CEDAR LANE DRAINAGE STUDY

TOWN OF OSSINING

NEW YORK

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November 2011

CAMCE No. 1849

<u>Appendix 1</u>: Soil Report of the Project Site

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Westchester County, New York

August 31, 2011

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://soils.usda.gov/sqi/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

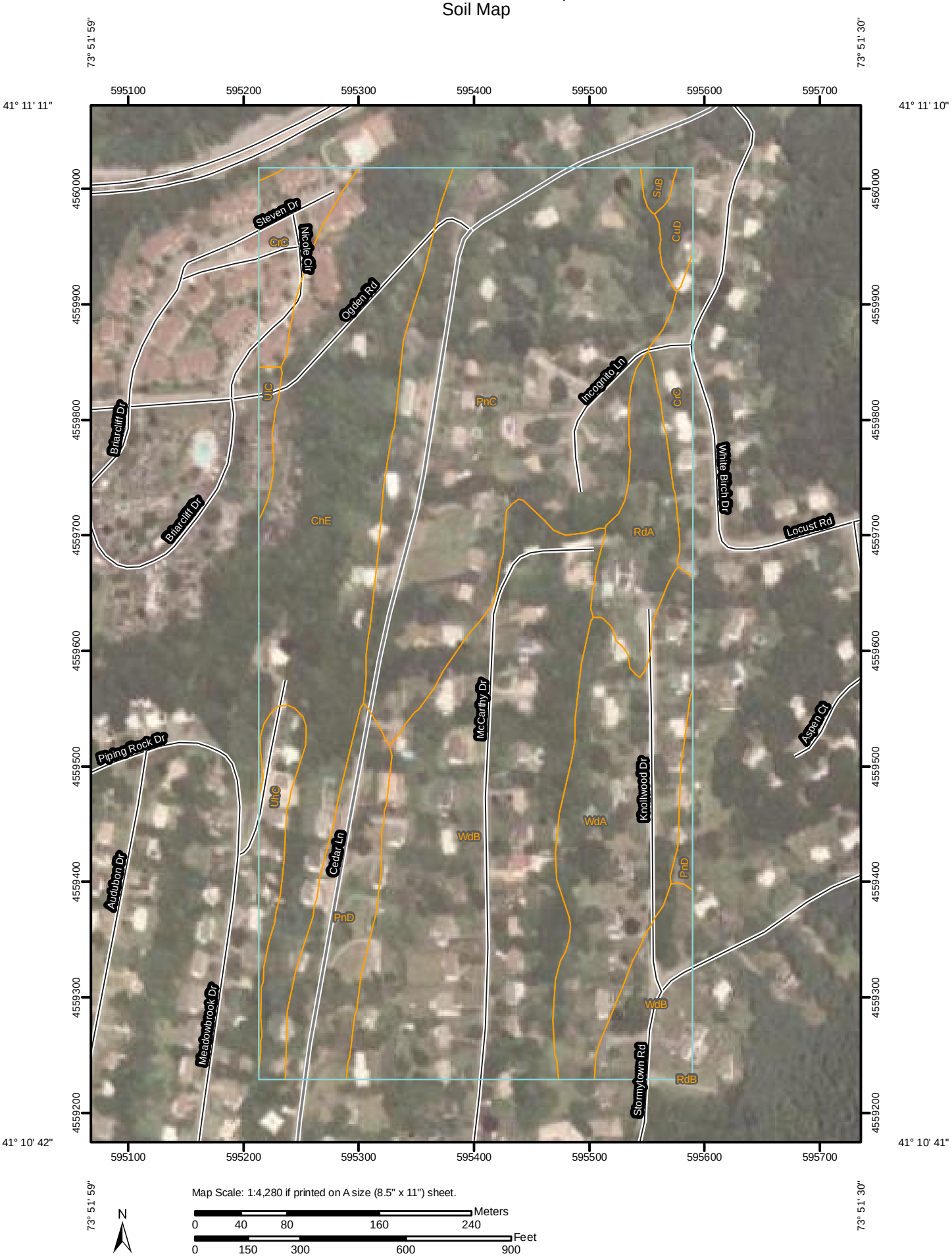
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:4,280 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 18N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Westchester County, New York
Survey Area Data: Version 6, Mar 10, 2011

Date(s) aerial images were photographed: 7/31/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Westchester County, New York (NY119)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
ChE	Charlton loam, 25 to 35 percent slopes	14.2	19.3%
CrC	Charlton-Chatfield complex, rolling, very rocky	3.2	4.4%
CuD	Chatfield-Hollis-Rock outcrop complex, hilly	0.6	0.8%
PnC	Paxton fine sandy loam, 8 to 15 percent slopes	19.2	26.1%
PnD	Paxton fine sandy loam, 15 to 25 percent slopes	4.2	5.8%
RdA	Ridgebury loam, 0 to 3 percent slopes	2.8	3.8%
RdB	Ridgebury loam, 3 to 8 percent slopes	0.0	0.0%
SuB	Sutton loam, 3 to 8 percent slopes	0.2	0.3%
UhC	Urban land-Charlton complex, 8 to 15 percent slopes	1.3	1.8%
UlC	Urban land-Charlton-Chatfield complex, rolling, very rocky	0.4	0.6%
WdA	Woodbridge loam, 0 to 3 percent slopes	8.0	10.9%
WdB	Woodbridge loam, 3 to 8 percent slopes	19.3	26.2%
Totals for Area of Interest		**73.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used.

Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Westchester County, New York

ChE—Charlton loam, 25 to 35 percent slopes

Map Unit Setting

Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Charlton and similar soils: 80 percent

Description of Charlton

Setting

Landform: Hills, ridges, till plains
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid loamy till derived mainly from schist, gneiss, or granite

Properties and qualities

Slope: 25 to 35 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.5 inches)

Interpretive groups

Land capability (nonirrigated): 6e

Typical profile

0 to 8 inches: Loam
8 to 24 inches: Sandy loam
24 to 60 inches: Sandy loam

CrC—Charlton-Chatfield complex, rolling, very rocky

Map Unit Setting

Elevation: 100 to 1,000 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Charlton and similar soils: 50 percent

Chatfield and similar soils: 30 percent

Description of Charlton

Setting

Landform: Hills, ridges, till plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid loamy till derived mainly from schist, gneiss, or granite

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.5 inches)

Interpretive groups

Land capability (nonirrigated): 6s

Typical profile

0 to 8 inches: Loam
8 to 24 inches: Sandy loam
24 to 60 inches: Sandy loam

Description of Chatfield

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till derived mainly from granite, gneiss, or schist

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Low to high (0.01 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 1 percent
Available water capacity: Low (about 3.2 inches)

Interpretive groups

Land capability (nonirrigated): 6s

Typical profile

0 to 7 inches: Loam

7 to 24 inches: Flaggy silt loam
24 to 28 inches: Unweathered bedrock

CuD—Chatfield-Hollis-Rock outcrop complex, hilly

Map Unit Setting

Elevation: 100 to 1,000 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Hollis and similar soils: 30 percent
Chatfield and similar soils: 30 percent
Rock outcrop: 25 percent

Description of Chatfield

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till derived mainly from granite, gneiss, or schist

Properties and qualities

Slope: 15 to 35 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Low to high (0.01 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 1 percent
Available water capacity: Low (about 3.2 inches)

Interpretive groups

Land capability (nonirrigated): 7s

Typical profile

0 to 7 inches: Loam
7 to 24 inches: Flaggy silt loam
24 to 28 inches: Unweathered bedrock

Description of Hollis

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: A thin mantle of loamy till derived mainly from schist, granite, and gneiss

Properties and qualities

Slope: 15 to 35 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.8 inches)

Interpretive groups

Land capability (nonirrigated): 7s

Typical profile

0 to 1 inches: Fine sandy loam
1 to 16 inches: Fine sandy loam
16 to 20 inches: Unweathered bedrock

Description of Rock Outcrop

Properties and qualities

Slope: 15 to 35 percent
Depth to restrictive feature: 0 inches to lithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Low to very high (0.01 to 19.98 in/hr)

Interpretive groups

Land capability (nonirrigated): 7s

PnC—Paxton fine sandy loam, 8 to 15 percent slopes

Map Unit Setting

Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Paxton and similar soils: 85 percent

Description of Paxton

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid loamy till derived mainly from crystalline rock

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 40 inches to dense material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 6.0 inches)

Interpretive groups

Land capability (nonirrigated): 3e

Typical profile

0 to 10 inches: Fine sandy loam
10 to 20 inches: Loam
20 to 60 inches: Gravelly sandy loam

PnD—Paxton fine sandy loam, 15 to 25 percent slopes

Map Unit Setting

Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Paxton and similar soils: 85 percent

Description of Paxton

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid loamy till derived mainly from crystalline rock

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: 20 to 40 inches to dense material
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None

Available water capacity: Low (about 6.0 inches)

Interpretive groups

Land capability (nonirrigated): 4e

Typical profile

0 to 10 inches: Fine sandy loam
10 to 20 inches: Loam
20 to 60 inches: Gravelly sandy loam

RdA—Ridgebury loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 50 to 1,000 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Ridgebury, poorly drained, and similar soils: 50 percent
Ridgebury, somewhat poorly drained, and similar soils: 35 percent

Description of Ridgebury, Poorly Drained

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy till derived mainly from granite, gneiss, and schist

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 18 to 30 inches to dense material
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability (nonirrigated): 3w

Typical profile

0 to 8 inches: Loam
8 to 26 inches: Gravelly fine sandy loam
26 to 60 inches: Gravelly loam

Description of Ridgebury, Somewhat Poorly Drained

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy till derived mainly from granite, gneiss, and schist

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 18 to 30 inches to dense material
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability (nonirrigated): 3w

Typical profile

0 to 8 inches: Loam
8 to 26 inches: Gravelly fine sandy loam
26 to 60 inches: Gravelly loam

RdB—Ridgebury loam, 3 to 8 percent slopes

Map Unit Setting

Elevation: 50 to 1,000 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Ridgebury, somewhat poorly drained, and similar soils: 50 percent
Ridgebury, poorly drained, and similar soils: 35 percent

Description of Ridgebury, Somewhat Poorly Drained

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Summit, footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy till derived mainly from granite, gneiss, and schist

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 18 to 30 inches to dense material
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability (nonirrigated): 3w

Typical profile

0 to 8 inches: Loam
8 to 26 inches: Gravelly fine sandy loam
26 to 60 inches: Gravelly loam

Description of Ridgebury, Poorly Drained

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Footslope, summit
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy till derived mainly from granite, gneiss, and schist

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 18 to 30 inches to dense material
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability (nonirrigated): 3w

Typical profile

0 to 8 inches: Loam
8 to 26 inches: Gravelly fine sandy loam
26 to 60 inches: Gravelly loam

SuB—Sutton loam, 3 to 8 percent slopes

Map Unit Setting

Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Sutton and similar soils: 85 percent

Description of Sutton

Setting

Landform: Hills, ridges, till plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Loamy till derived mainly from crystalline rock

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.4 inches)

Interpretive groups

Land capability (nonirrigated): 2e

Typical profile

0 to 9 inches: Loam
9 to 27 inches: Gravelly fine sandy loam
27 to 60 inches: Gravelly fine sandy loam

UhC—Urban land-Charlton complex, 8 to 15 percent slopes

Map Unit Setting

Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Urban land: 40 percent
Charlton and similar soils: 35 percent

Description of Charlton

Setting

Landform: Hills, ridges, till plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Acid loamy till derived mainly from schist, gneiss, or granite

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.5 inches)

Typical profile

0 to 8 inches: Loam
8 to 24 inches: Sandy loam
24 to 60 inches: Sandy loam

UIC—Urban land-Charlton-Chatfield complex, rolling, very rocky

Map Unit Setting

Elevation: 100 to 1,000 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Urban land: 40 percent
Charlton and similar soils: 20 percent
Chatfield and similar soils: 15 percent
Rock outcrop: 5 percent

Description of Charlton

Setting

Landform: Hills, ridges, till plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex

Across-slope shape: Convex
Parent material: Acid loamy till derived mainly from schist, gneiss, or granite

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 7.5 inches)

Typical profile

0 to 8 inches: Loam
8 to 24 inches: Sandy loam
24 to 60 inches: Sandy loam

Description of Chatfield

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till derived mainly from granite, gneiss, or schist

Properties and qualities

Slope: 2 to 15 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Low to high (0.01 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 1 percent
Available water capacity: Low (about 3.2 inches)

Typical profile

0 to 7 inches: Loam
7 to 24 inches: Flaggy silt loam
24 to 28 inches: Unweathered bedrock

Description of Rock Outcrop

Properties and qualities

Slope: 3 to 15 percent
Depth to restrictive feature: 0 inches to lithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Low to very high (0.01 to 19.98 in/hr)

Interpretive groups

Land capability (nonirrigated): 6s

Typical profile
0 to 60 inches: Unweathered bedrock

WdA—Woodbridge loam, 0 to 3 percent slopes

Map Unit Setting
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition
Woodbridge and similar soils: 85 percent

Description of Woodbridge

Setting
Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from crystalline rock

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to dense material
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.5 inches)

Interpretive groups
Land capability (nonirrigated): 2w

Typical profile
0 to 12 inches: Loam
12 to 29 inches: Gravelly loam
29 to 60 inches: Gravelly loam

WdB—Woodbridge loam, 3 to 8 percent slopes

Map Unit Setting

Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days

Map Unit Composition

Woodbridge and similar soils: 85 percent

Description of Woodbridge

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Loamy acid till derived mainly from crystalline rock

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 40 inches to dense material
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.5 inches)

Interpretive groups

Land capability (nonirrigated): 2e

Typical profile

0 to 12 inches: Loam
12 to 29 inches: Gravelly loam
29 to 60 inches: Gravelly loam

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://soils.usda.gov/

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://soils.usda.gov/

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://soils.usda.gov/

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://soils.usda.gov/

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.glti.nrcs.usda.gov/

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://soils.usda.gov/

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://soils.usda.gov/

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210.

Appendix 2: HydroCAD Analysis Reports

A - Alternate 1

Subcat | Reach | Pond | Link

Routing Diagram for Cedar Lane Drainage Study Alternate1

Prepared by Microsoft, Printed 11/23/2011

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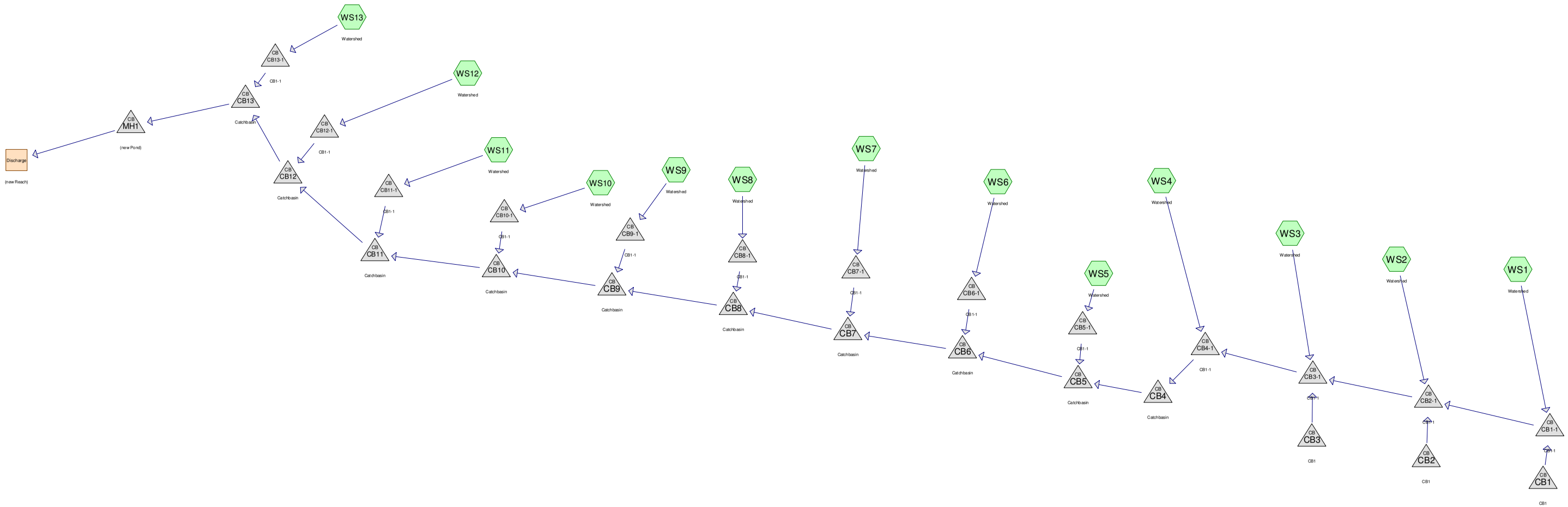

Subcat Reach Pond Link

Routing Diagram for Cedar Lane Drainage Study Alternate1

Prepared by Microsoft, Printed 11/23/2011

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
10.883	74	>75% Grass cover, Good, HSG C (WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
4.163	98	Paved parking, HSG C (WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
15.046	**81**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
15.046	HSG C	WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	HSG D	
0.000	Other	
15.046		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	10.883	0.000	0.000	10.883	>75% Grass cover, Good	WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	0.000	4.163	0.000	0.000	4.163	Paved parking	WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	**0.000**	**15.046**	**0.000**	**0.000**	**15.046**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	CB1	345.52	345.42	22.0	0.0045	0.013	15.0	0.0	0.0
2	CB1-1	345.22	343.67	150.0	0.0103	0.013	24.0	0.0	0.0
3	CB10	308.97	299.17	150.0	0.0653	0.013	36.0	0.0	0.0
4	CB10-1	311.92	310.92	22.0	0.0455	0.013	15.0	0.0	0.0
5	CB11	296.50	294.67	150.0	0.0122	0.013	36.0	0.0	0.0
6	CB11-1	302.17	300.92	22.0	0.0568	0.013	15.0	0.0	0.0
7	CB12	296.47	294.17	150.0	0.0153	0.013	36.0	0.0	0.0
8	CB12-1	299.67	298.42	22.0	0.0568	0.013	15.0	0.0	0.0
9	CB13	293.97	285.00	150.0	0.0598	0.013	36.0	0.0	0.0
10	CB13-1	296.42	295.92	22.0	0.0227	0.013	15.0	0.0	0.0
11	CB2	343.87	343.67	22.0	0.0091	0.013	15.0	0.0	0.0
12	CB2-1	343.47	341.67	150.0	0.0120	0.013	24.0	0.0	0.0
13	CB3	341.87	341.67	22.0	0.0091	0.013	15.0	0.0	0.0
14	CB3-1	341.47	336.17	150.0	0.0353	0.013	24.0	0.0	0.0
15	CB4	331.67	330.67	150.0	0.0067	0.013	36.0	0.0	0.0
16	CB4-1	335.00	331.87	22.0	0.1423	0.013	24.0	0.0	0.0
17	CB5	330.47	329.27	150.0	0.0080	0.013	36.0	0.0	0.0
18	CB5-1	333.92	330.67	22.0	0.1477	0.013	15.0	0.0	0.0
19	CB6	329.07	327.87	150.0	0.0080	0.013	36.0	0.0	0.0
20	CB6-1	335.92	334.42	22.0	0.0682	0.013	15.0	0.0	0.0
21	CB7	327.67	326.47	150.0	0.0080	0.013	36.0	0.0	0.0
22	CB7-1	334.42	333.17	22.0	0.0568	0.013	15.0	0.0	0.0
23	CB8	326.27	319.17	150.0	0.0473	0.013	36.0	0.0	0.0
24	CB8-1	330.17	329.67	22.0	0.0227	0.013	15.0	0.0	0.0
25	CB9	318.97	309.17	150.0	0.0653	0.013	36.0	0.0	0.0
26	CB9-1	321.92	320.92	22.0	0.0455	0.013	15.0	0.0	0.0
27	MH1	285.00	240.00	100.0	0.4500	0.013	36.0	0.0	0.0

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=345.79' Inflow=1.90 cfs 0.225 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=1.90 cfs 0.225 af

Pond CB10: Catchbasin Peak Elev=310.19' Inflow=10.13 cfs 1.183 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=10.13 cfs 1.183 af

Pond CB10-1: CB1-1 Peak Elev=312.41' Inflow=1.06 cfs 0.064 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.06 cfs 0.064 af

Pond CB11: Catchbasin Peak Elev=298.31' Inflow=10.82 cfs 1.242 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=10.82 cfs 1.242 af

Pond CB11-1: CB1-1 Peak Elev=302.57' Inflow=0.72 cfs 0.059 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=0.72 cfs 0.059 af

Pond CB12: Catchbasin Peak Elev=297.81' Inflow=12.08 cfs 1.354 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=12.08 cfs 1.354 af

Pond CB12-1: CB1-1 Peak Elev=300.24' Inflow=1.42 cfs 0.112 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.42 cfs 0.112 af

Pond CB13: Catchbasin Peak Elev=295.37' Inflow=12.96 cfs 1.431 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=12.96 cfs 1.431 af

Pond CB13-1: CB1-1 Peak Elev=296.86' Inflow=0.88 cfs 0.076 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=0.88 cfs 0.076 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.31' Inflow=3.89 cfs 0.445 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=3.89 cfs 0.445 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.42' Inflow=4.84 cfs 0.548 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=4.84 cfs 0.548 af

Pond CB4: Catchbasin Peak Elev=332.68' Inflow=6.38 cfs 0.739 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=6.38 cfs 0.739 af

Pond CB4-1: CB1-1 Peak Elev=336.11' Inflow=6.38 cfs 0.739 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=6.38 cfs 0.739 af

Pond CB5: Catchbasin Peak Elev=331.47' Inflow=6.54 cfs 0.765 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=6.54 cfs 0.765 af

Pond CB5-1: CB1-1 Peak Elev=334.22' Inflow=0.43 cfs 0.027 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.43 cfs 0.027 af

Pond CB6: Catchbasin Peak Elev=330.16' Inflow=7.72 cfs 0.884 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=7.72 cfs 0.884 af

Pond CB6-1: CB1-1 Peak Elev=336.46' Inflow=1.28 cfs 0.119 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.28 cfs 0.119 af

Pond CB7: Catchbasin Peak Elev=328.82' Inflow=8.73 cfs 0.993 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=8.73 cfs 0.993 af

Pond CB7-1: CB1-1 Peak Elev=334.98' Inflow=1.37 cfs 0.109 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.37 cfs 0.109 af

Pond CB8: Catchbasin Peak Elev=327.42' Inflow=9.06 cfs 1.044 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=9.06 cfs 1.044 af

Pond CB8-1: CB1-1 Peak Elev=330.60' Inflow=0.83 cfs 0.051 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=0.83 cfs 0.051 af

Pond CB9: Catchbasin Peak Elev=320.16' Inflow=9.69 cfs 1.119 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=9.69 cfs 1.119 af

Pond CB9-1: CB1-1 Peak Elev=322.40' Inflow=1.04 cfs 0.075 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.04 cfs 0.075 af

Pond MH1: (new Pond) Peak Elev=286.43' Inflow=12.96 cfs 1.431 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=12.96 cfs 1.431 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

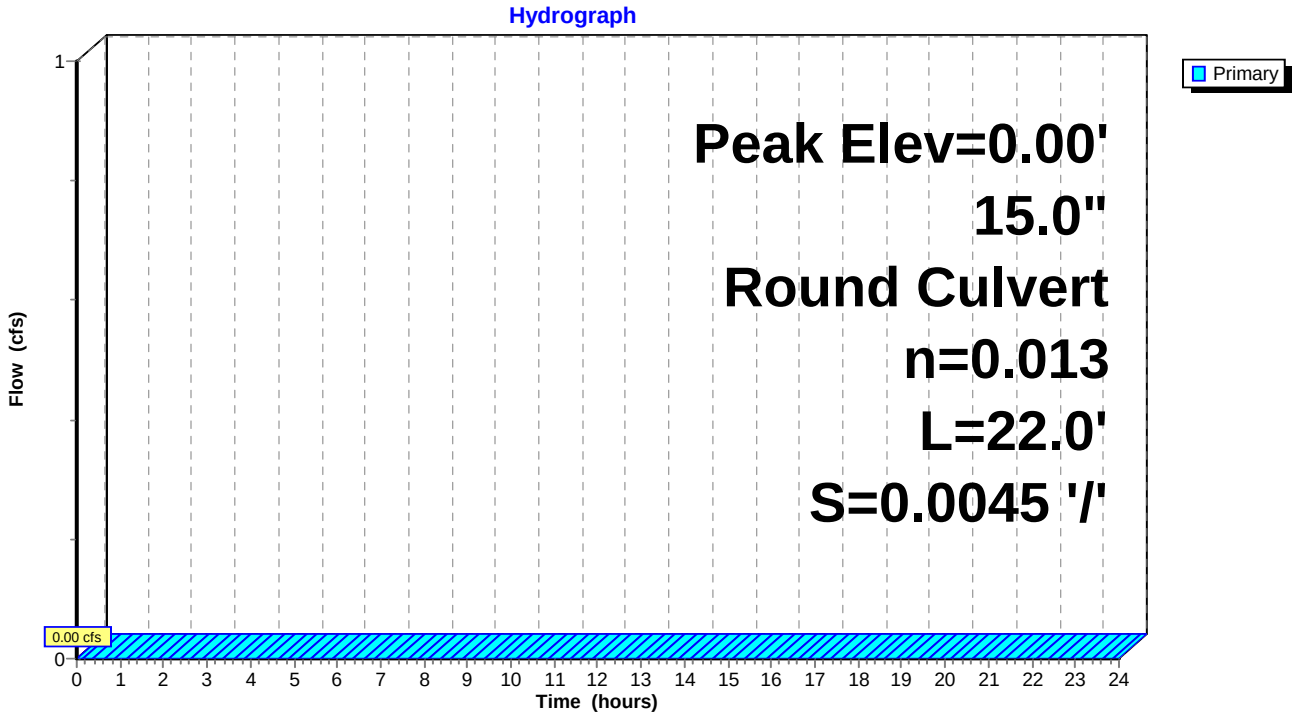
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

Pond CB1: CB1



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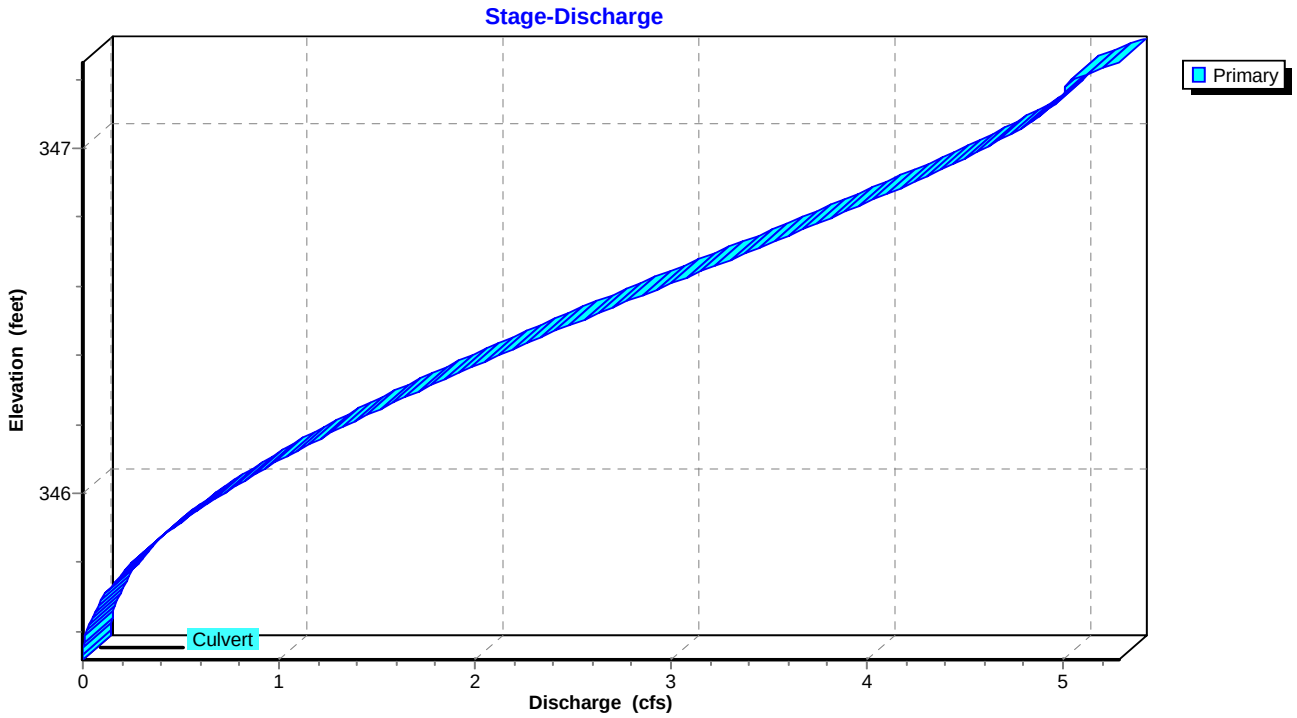

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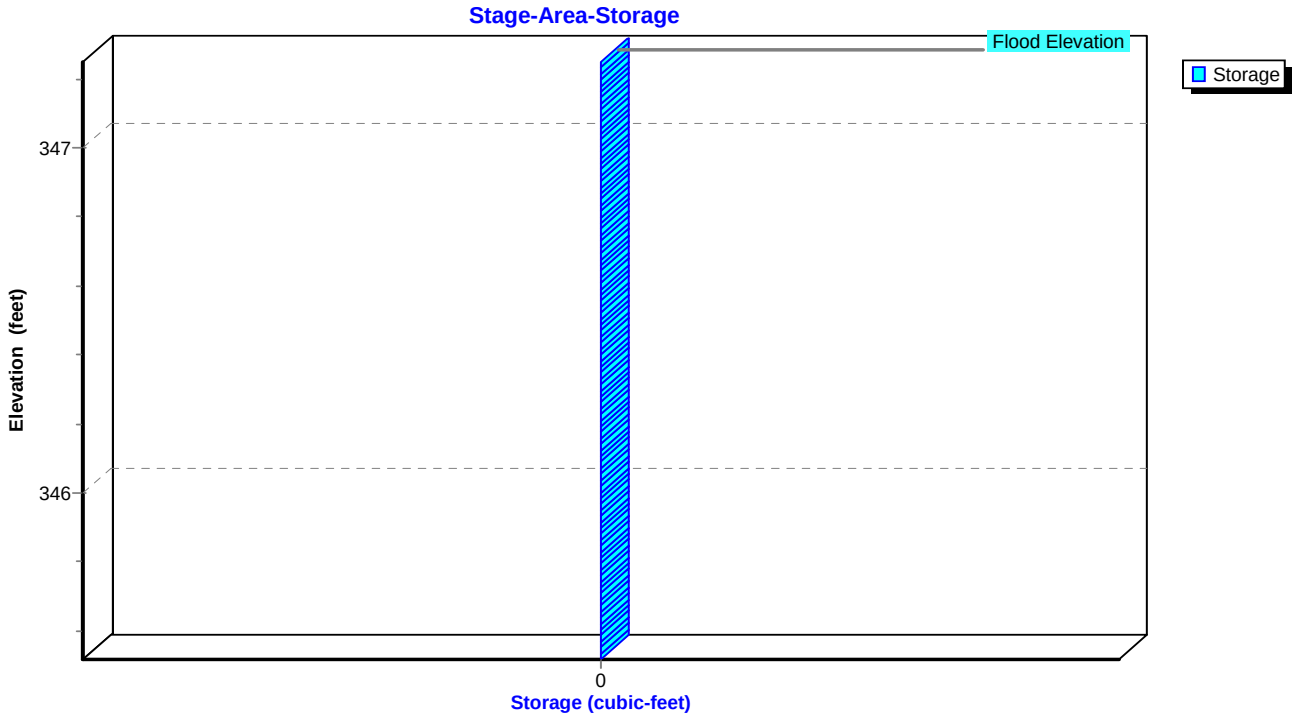


Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

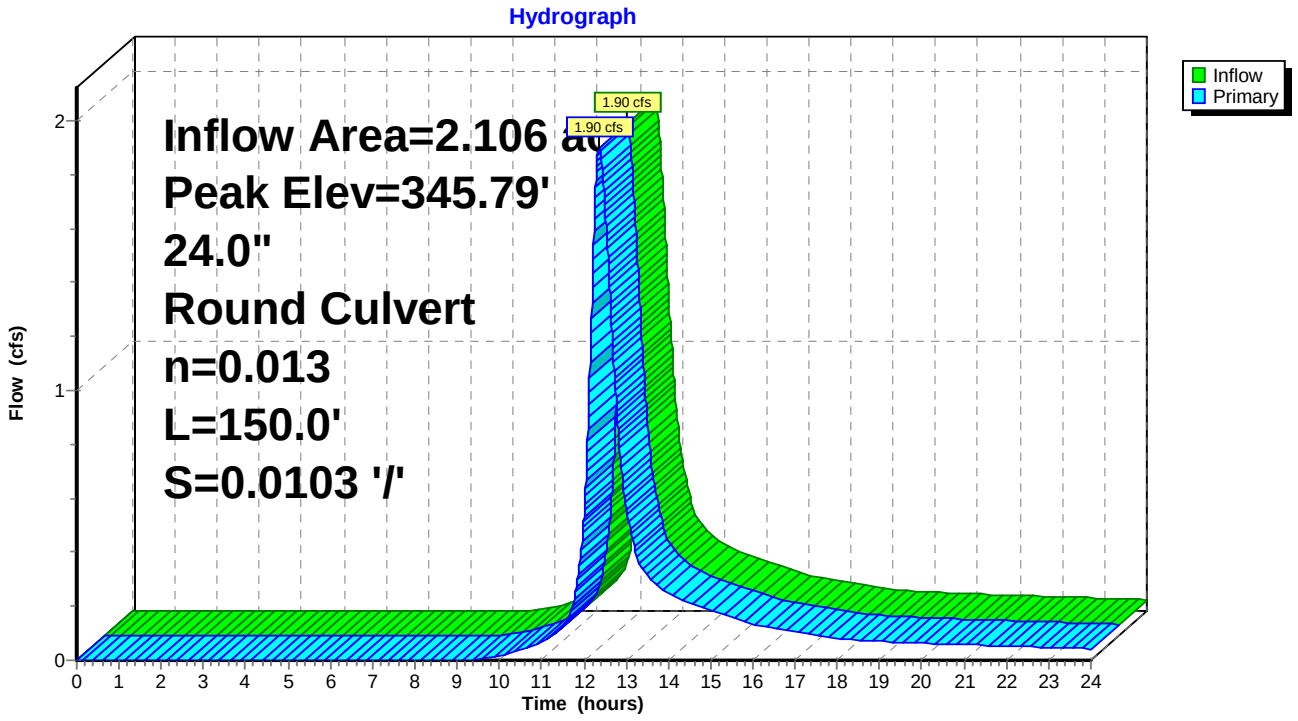
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.28" for 1-Year event
Inflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af
Outflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af, Atten= 0%, Lag= 0.0 min
Primary = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.79' @ 12.37 hrs
Flood Elev= 348.80'

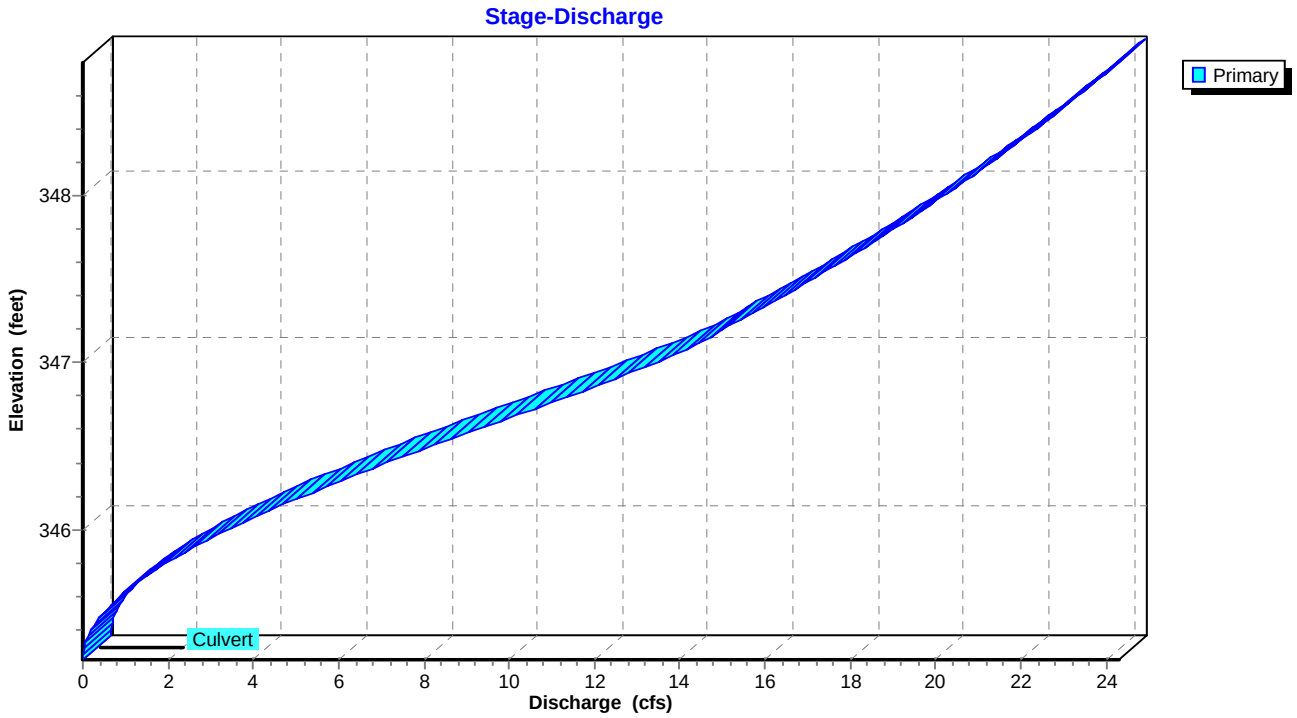
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=1.90 cfs @ 12.37 hrs HW=345.79' TW=344.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.90 cfs @ 2.57 fps)

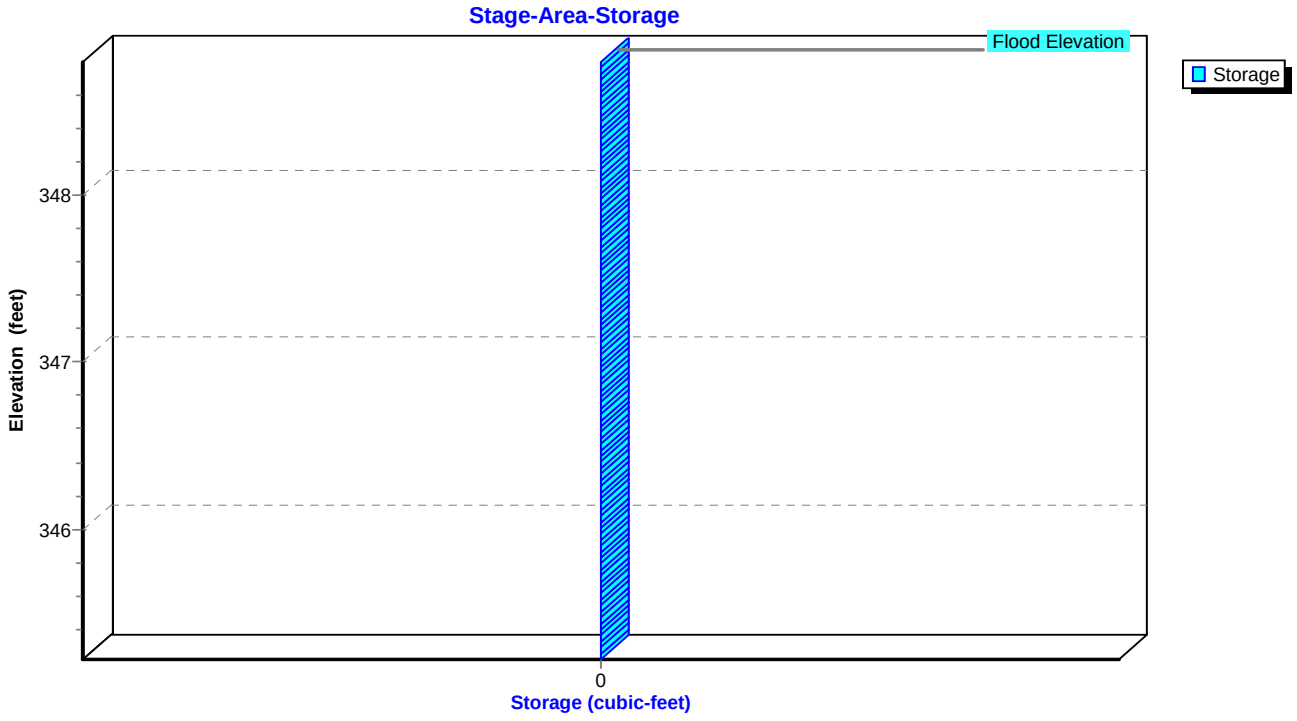
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.22	0.00
8.00	0.00	345.22	0.00
8.50	0.00	345.22	0.00
9.00	0.00	345.22	0.00
9.50	0.00	345.25	0.00
10.00	0.02	345.28	0.02
10.50	0.04	345.30	0.04
11.00	0.07	345.33	0.07
11.50	0.13	345.36	0.13
12.00	**0.53**	**345.52**	**0.53**
12.50	**1.69**	**345.76**	**1.69**
13.00	0.57	345.52	0.57
13.50	0.31	345.44	0.31
14.00	0.25	345.42	0.25
14.50	0.21	345.40	0.21
15.00	0.18	345.39	0.18
15.50	0.16	345.38	0.16
16.00	0.14	345.37	0.14
16.50	0.12	345.36	0.12
17.00	0.10	345.35	0.10
17.50	0.09	345.34	0.09
18.00	0.08	345.34	0.08
18.50	0.07	345.33	0.07
19.00	0.07	345.33	0.07
19.50	0.07	345.33	0.07
20.00	0.06	345.32	0.06
20.50	0.06	345.32	0.06
21.00	0.06	345.32	0.06
21.50	0.05	345.32	0.05
22.00	0.05	345.31	0.05
22.50	0.05	345.31	0.05
23.00	0.05	345.31	0.05
23.50	0.04	345.31	0.04
24.00	0.04	345.31	0.04

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

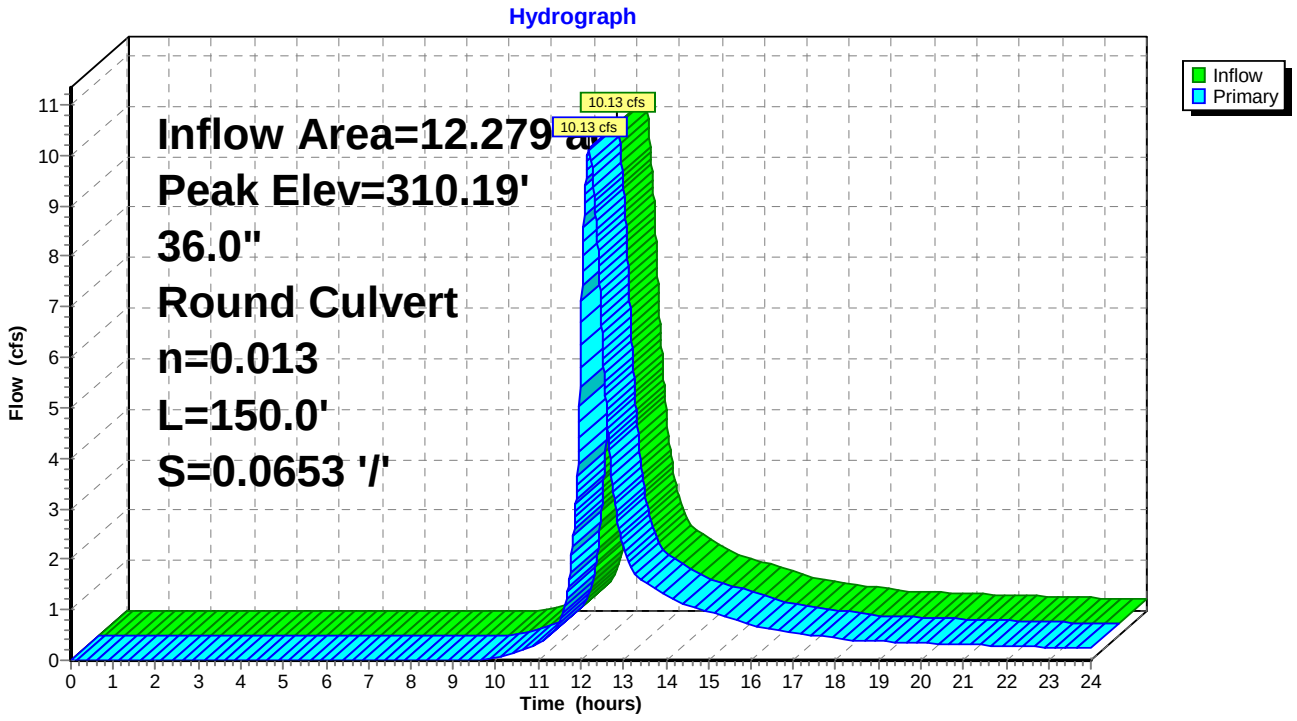
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af
Outflow = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af, Atten= 0%, Lag= 0.0 min
Primary = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.19' @ 12.18 hrs
Flood Elev= 313.50'

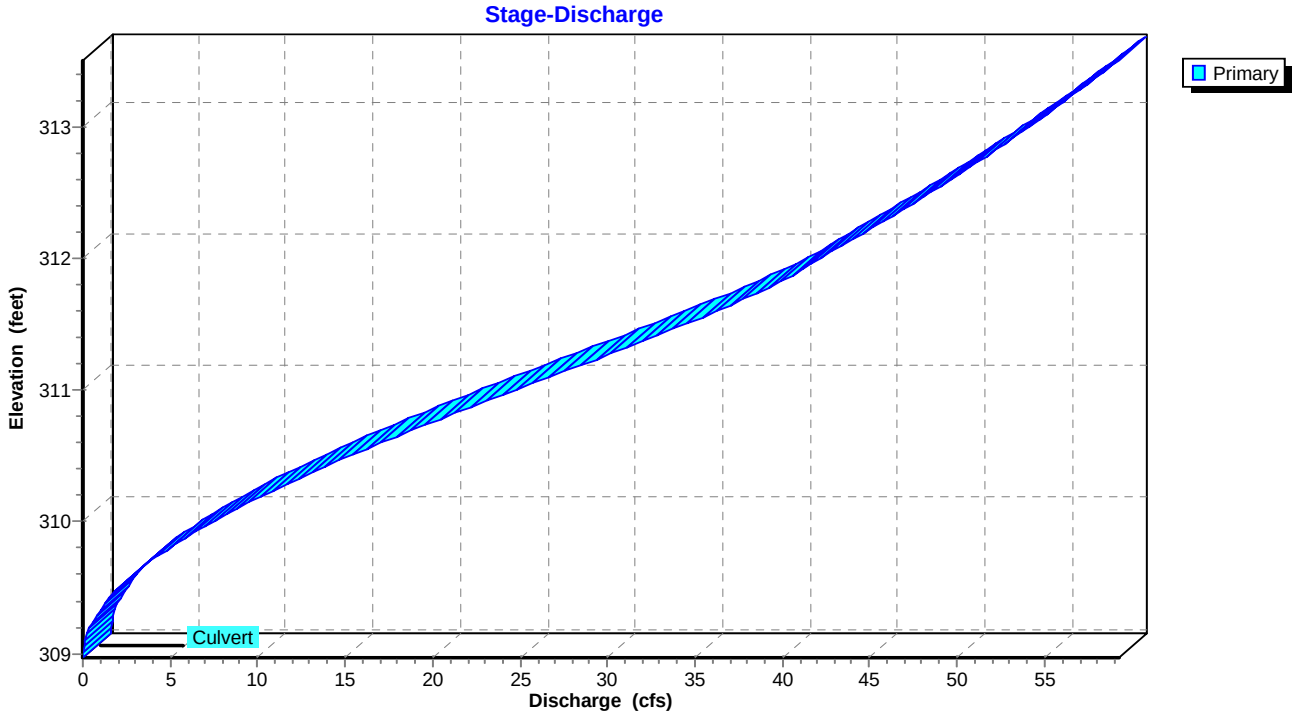
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.13 cfs @ 12.18 hrs HW=310.19' TW=298.31' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 10.13 cfs @ 3.76 fps)

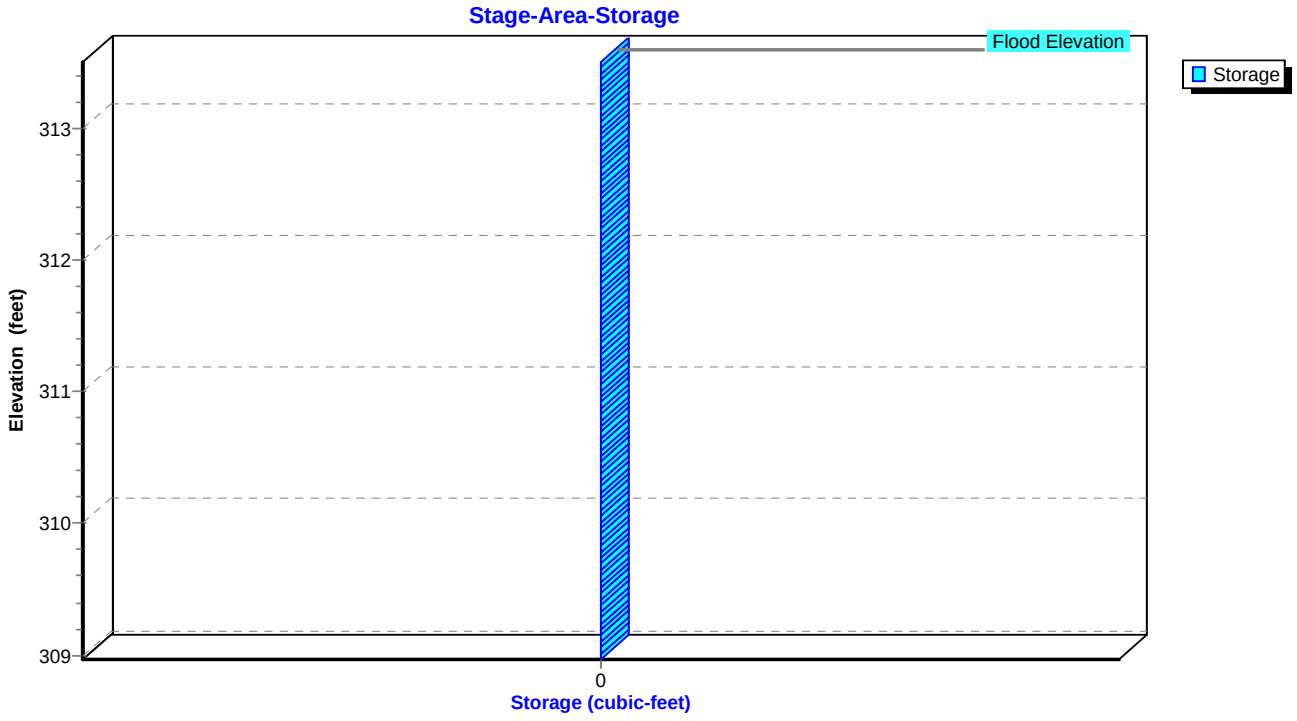
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.97	0.00
7.50	0.00	308.97	0.00
8.00	0.00	308.97	0.00
8.50	0.00	308.97	0.00
9.00	0.00	308.98	0.00
9.50	0.01	309.00	0.01
10.00	0.05	309.05	0.05
10.50	0.16	309.11	0.16
11.00	0.34	309.18	0.34
11.50	0.74	309.28	0.74
12.00	**6.25**	**309.91**	**6.25**
12.50	**6.47**	**309.93**	**6.47**
13.00	2.26	309.52	2.26
13.50	1.54	309.42	1.54
14.00	1.27	309.38	1.27
14.50	1.09	309.35	1.09
15.00	0.96	309.33	0.96
15.50	0.83	309.30	0.83
16.00	0.70	309.27	0.70
16.50	0.61	309.25	0.61
17.00	0.55	309.24	0.55
17.50	0.49	309.22	0.49
18.00	0.43	309.21	0.43
18.50	0.39	309.20	0.39
19.00	0.37	309.19	0.37
19.50	0.36	309.19	0.36
20.00	0.34	309.18	0.34
20.50	0.32	309.17	0.32
21.00	0.31	309.17	0.31
21.50	0.30	309.17	0.30
22.00	0.28	309.16	0.28
22.50	0.27	309.16	0.27
23.00	0.25	309.15	0.25
23.50	0.24	309.15	0.24
24.00	0.23	309.14	0.23

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

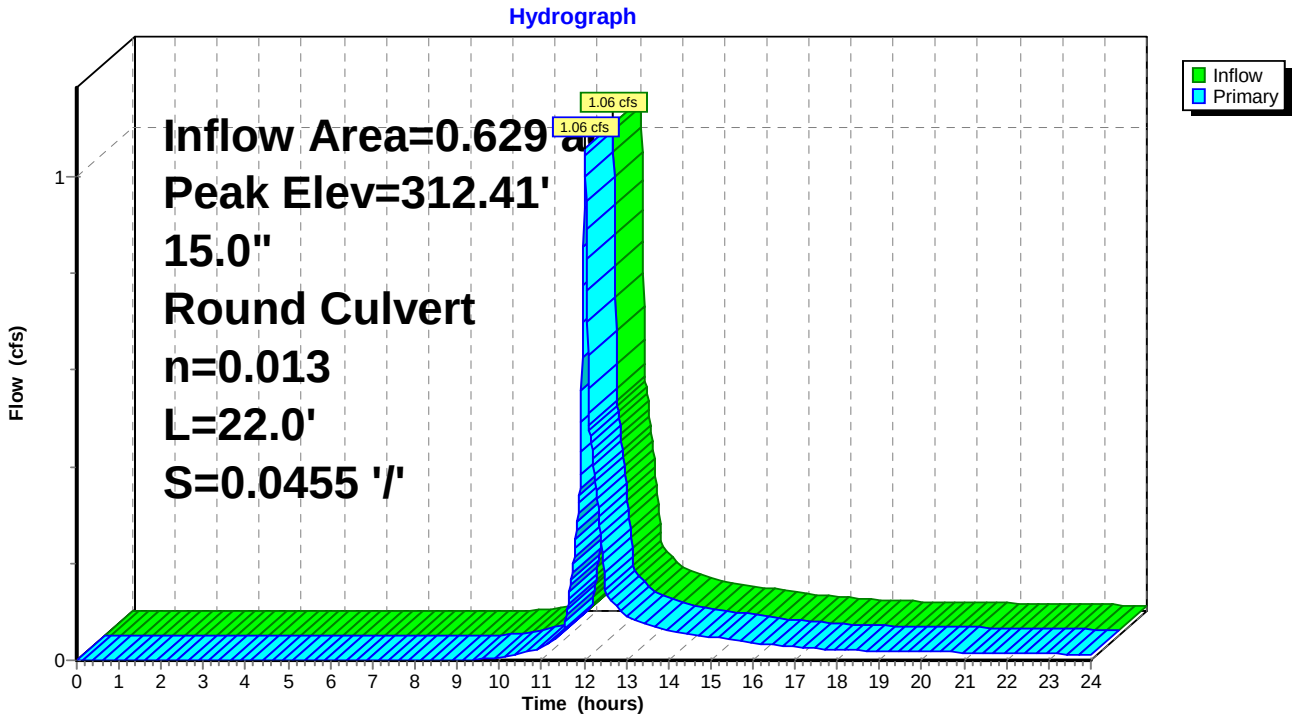
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af
Outflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.41' @ 12.02 hrs
Flood Elev= 314.50'

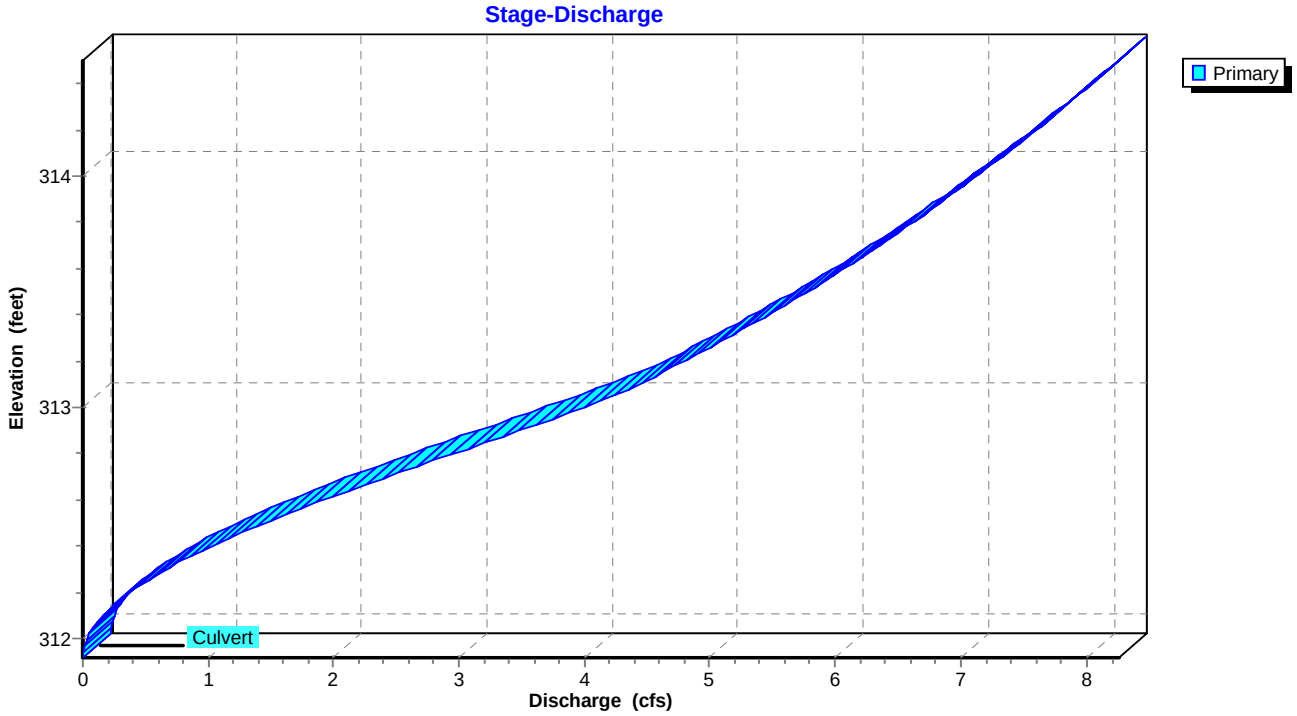
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.05 cfs @ 12.02 hrs HW=312.41' TW=309.98' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.05 cfs @ 2.38 fps)

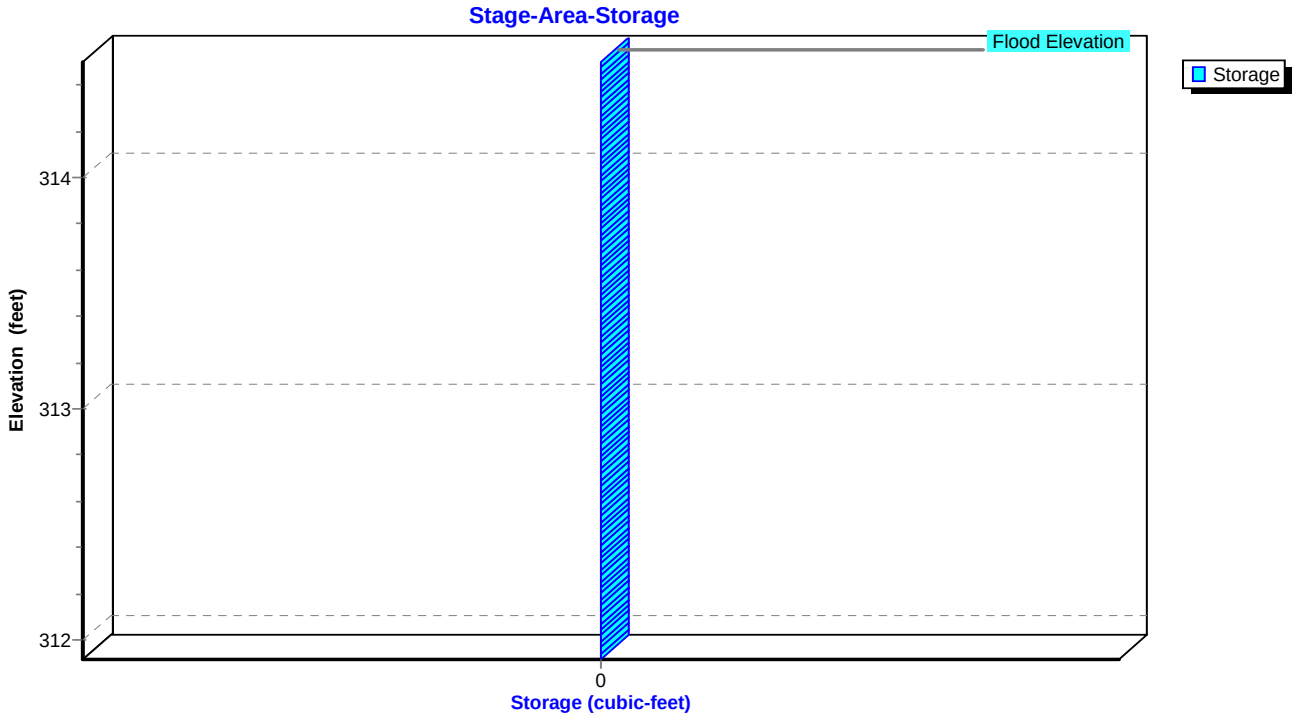
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.92	0.00
9.00	0.00	311.92	0.00
9.50	0.00	311.94	0.00
10.00	0.01	311.96	0.01
10.50	0.01	311.97	0.01
11.00	0.03	311.99	0.03
11.50	0.06	312.03	0.06
12.00	**0.94**	**312.38**	**0.94**
12.50	**0.16**	**312.10**	**0.16**
13.00	0.09	312.06	0.09
13.50	0.08	312.04	0.08
14.00	0.06	312.03	0.06
14.50	0.05	312.03	0.05
15.00	0.05	312.02	0.05
15.50	0.04	312.01	0.04
16.00	0.03	312.00	0.03
16.50	0.03	312.00	0.03
17.00	0.03	311.99	0.03
17.50	0.02	311.99	0.02
18.00	0.02	311.99	0.02
18.50	0.02	311.98	0.02
19.00	0.02	311.98	0.02
19.50	0.02	311.98	0.02
20.00	0.02	311.98	0.02
20.50	0.02	311.98	0.02
21.00	0.02	311.98	0.02
21.50	0.02	311.98	0.02
22.00	0.01	311.97	0.01
22.50	0.01	311.97	0.01
23.00	0.01	311.97	0.01
23.50	0.01	311.97	0.01
24.00	0.01	311.97	0.01

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

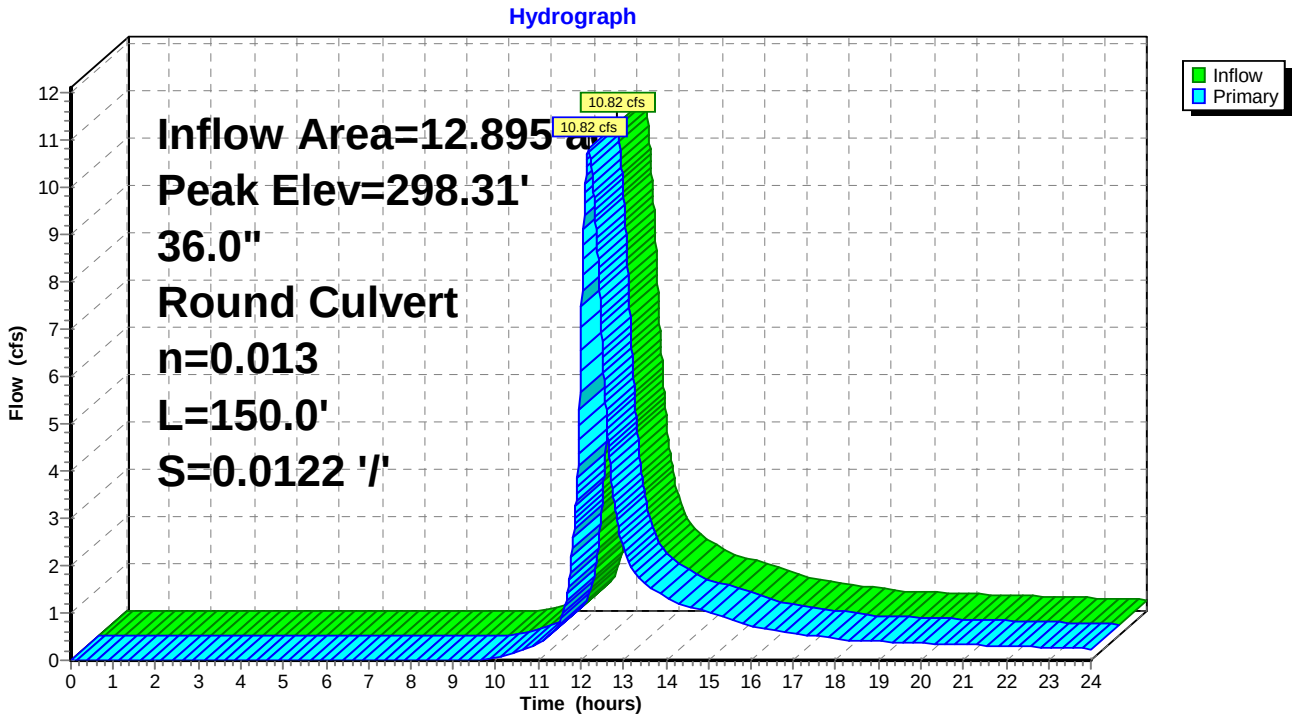
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af
Outflow = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af, Atten= 0%, Lag= 0.0 min
Primary = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.31' @ 12.17 hrs
Flood Elev= 304.00'

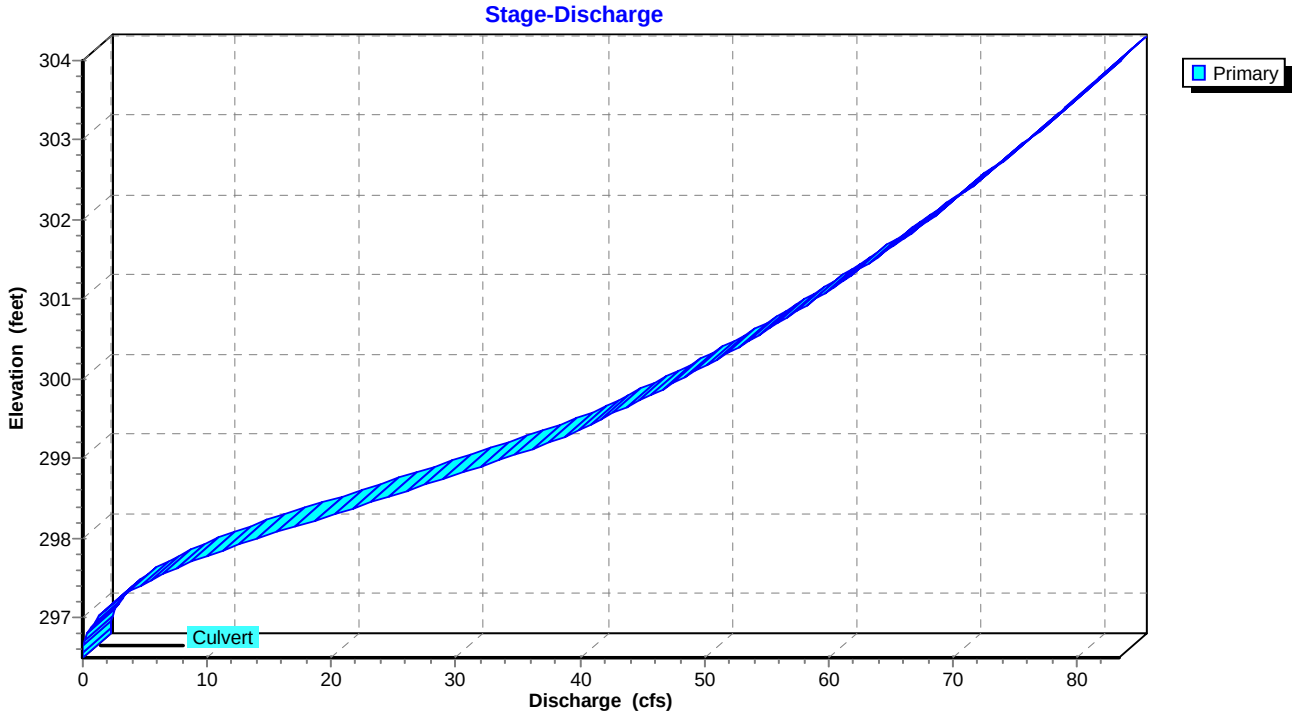
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.84 cfs @ 12.18 hrs HW=298.31' TW=297.81' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 10.84 cfs @ 3.48 fps)

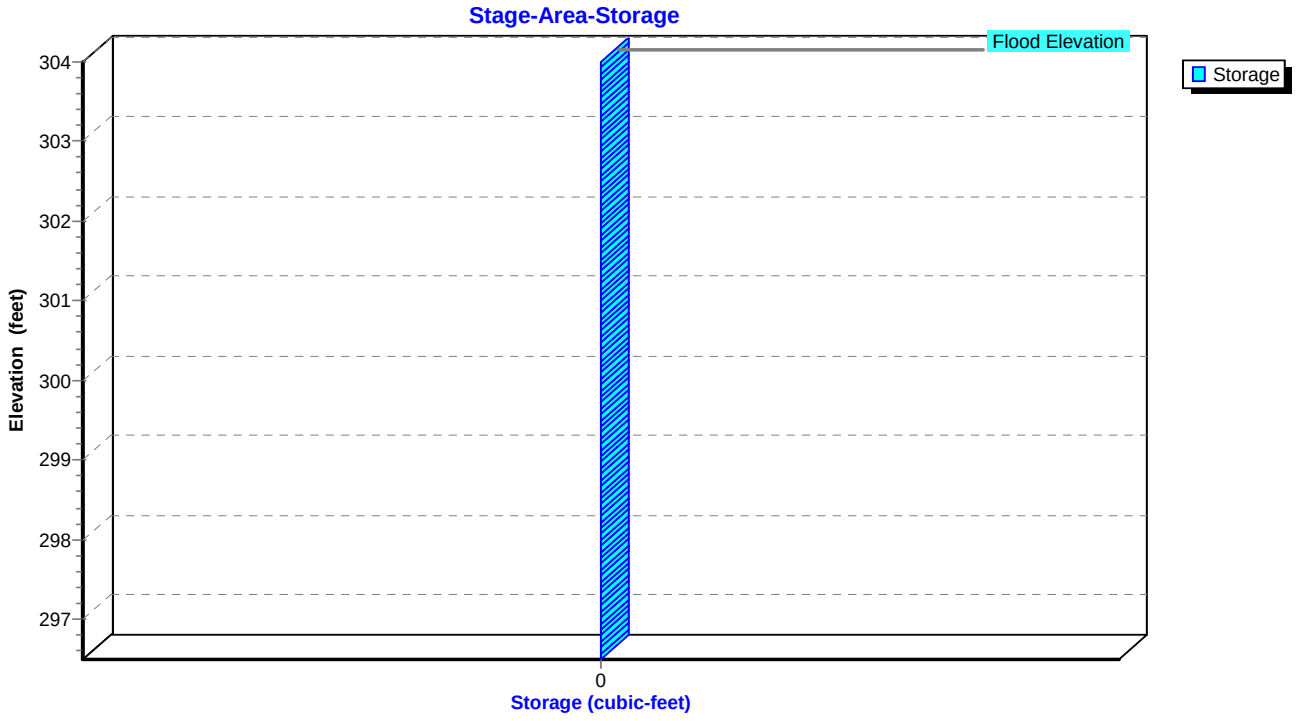
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.50	0.00
5.50	0.00	296.50	0.00
6.00	0.00	296.50	0.00
6.50	0.00	296.50	0.00
7.00	0.00	296.50	0.00
7.50	0.00	296.50	0.00
8.00	0.00	296.50	0.00
8.50	0.00	296.50	0.00
9.00	0.00	296.52	0.00
9.50	0.01	296.58	0.01
10.00	0.06	296.66	0.06
10.50	0.17	296.76	0.17
11.00	0.35	296.86	0.35
11.50	0.78	297.01	0.78
12.00	**6.56**	**297.88**	**6.56**
12.50	**6.75**	**297.92**	**6.75**
13.00	2.36	297.35	2.36
13.50	1.61	297.22	1.61
14.00	1.33	297.16	1.33
14.50	1.14	297.11	1.14
15.00	1.01	297.08	1.01
15.50	0.87	297.04	0.87
16.00	0.73	297.00	0.73
16.50	0.64	296.97	0.64
17.00	0.58	296.95	0.58
17.50	0.51	296.93	0.51
18.00	0.45	296.91	0.45
18.50	0.41	296.89	0.41
19.00	0.39	296.88	0.39
19.50	0.37	296.87	0.37
20.00	0.36	296.87	0.36
20.50	0.34	296.86	0.34
21.00	0.33	296.85	0.33
21.50	0.31	296.85	0.31
22.00	0.30	296.84	0.30
22.50	0.28	296.83	0.28
23.00	0.27	296.82	0.27
23.50	0.25	296.82	0.25
24.00	0.24	296.81	0.24

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

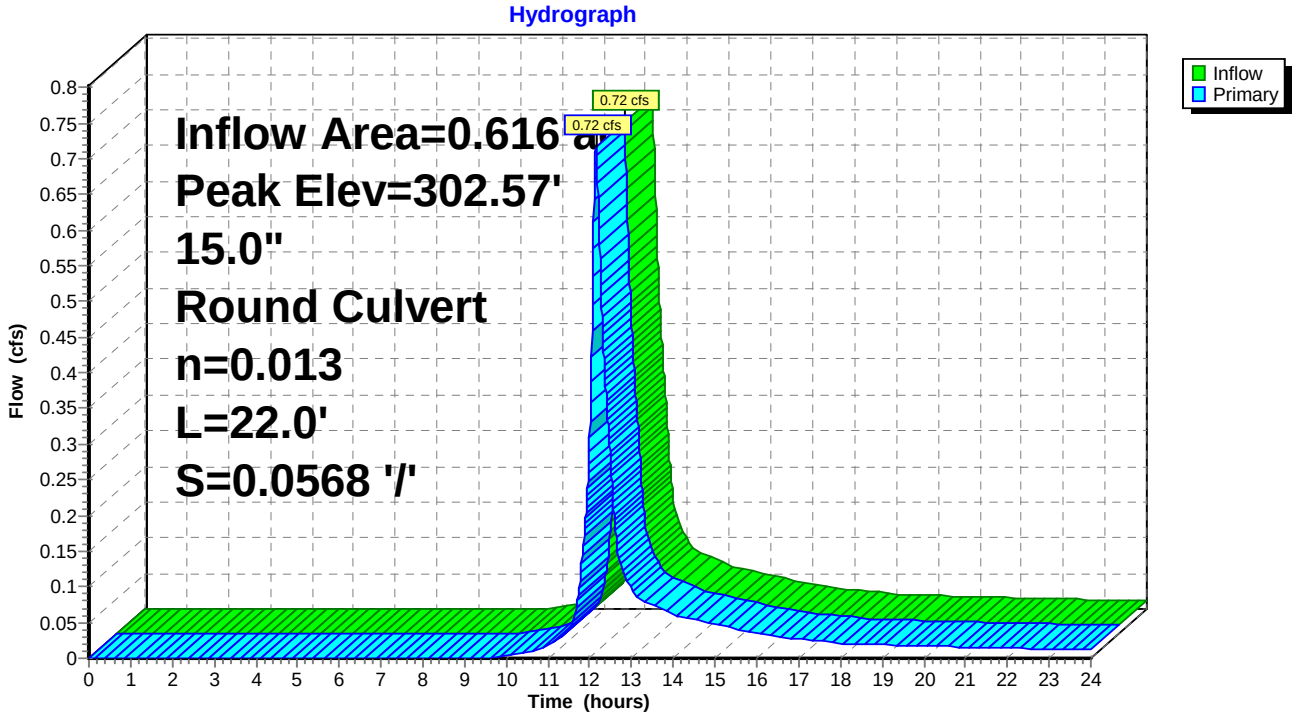
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af
Outflow = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.57' @ 12.15 hrs
Flood Elev= 304.80'

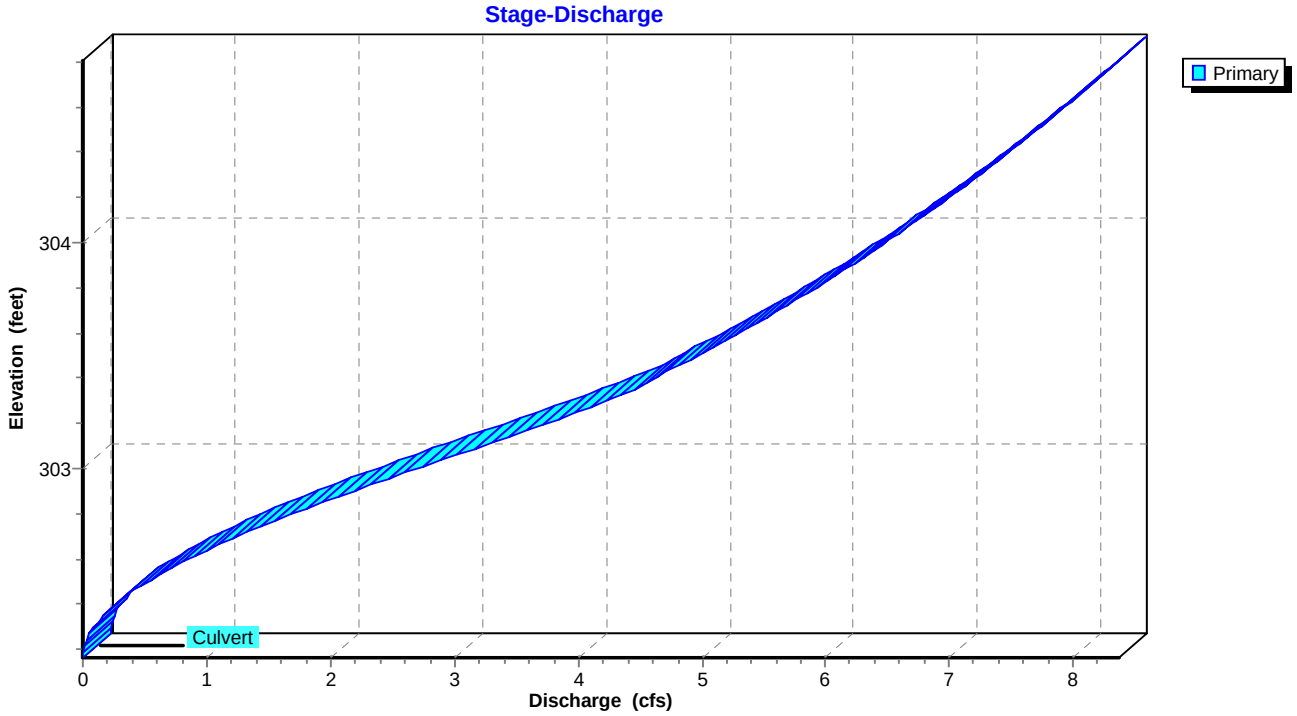
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.72 cfs @ 12.15 hrs HW=302.57' TW=298.30' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.72 cfs @ 2.14 fps)

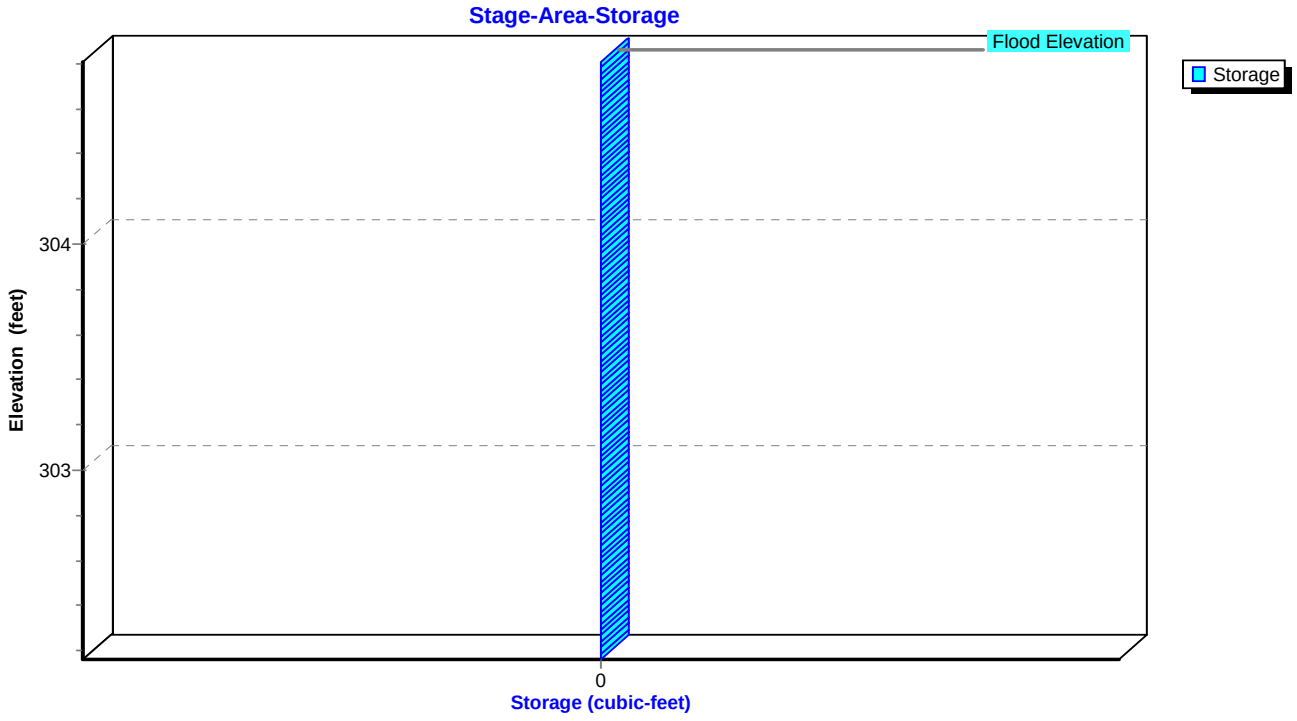
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.17	0.00
8.50	0.00	302.17	0.00
9.00	0.00	302.17	0.00
9.50	0.00	302.17	0.00
10.00	0.00	302.19	0.00
10.50	0.01	302.21	0.01
11.00	0.02	302.23	0.02
11.50	0.04	302.26	0.04
12.00	**0.31**	**302.43**	**0.31**
12.50	**0.27**	**302.41**	**0.27**
13.00	0.10	302.31	0.10
13.50	0.07	302.29	0.07
14.00	0.06	302.28	0.06
14.50	0.05	302.27	0.05
15.00	0.05	302.27	0.05
15.50	0.04	302.26	0.04
16.00	0.03	302.25	0.03
16.50	0.03	302.25	0.03
17.00	0.03	302.24	0.03
17.50	0.02	302.24	0.02
18.00	0.02	302.24	0.02
18.50	0.02	302.23	0.02
19.00	0.02	302.23	0.02
19.50	0.02	302.23	0.02
20.00	0.02	302.23	0.02
20.50	0.02	302.23	0.02
21.00	0.02	302.23	0.02
21.50	0.01	302.22	0.01
22.00	0.01	302.22	0.01
22.50	0.01	302.22	0.01
23.00	0.01	302.22	0.01
23.50	0.01	302.22	0.01
24.00	0.01	302.22	0.01

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

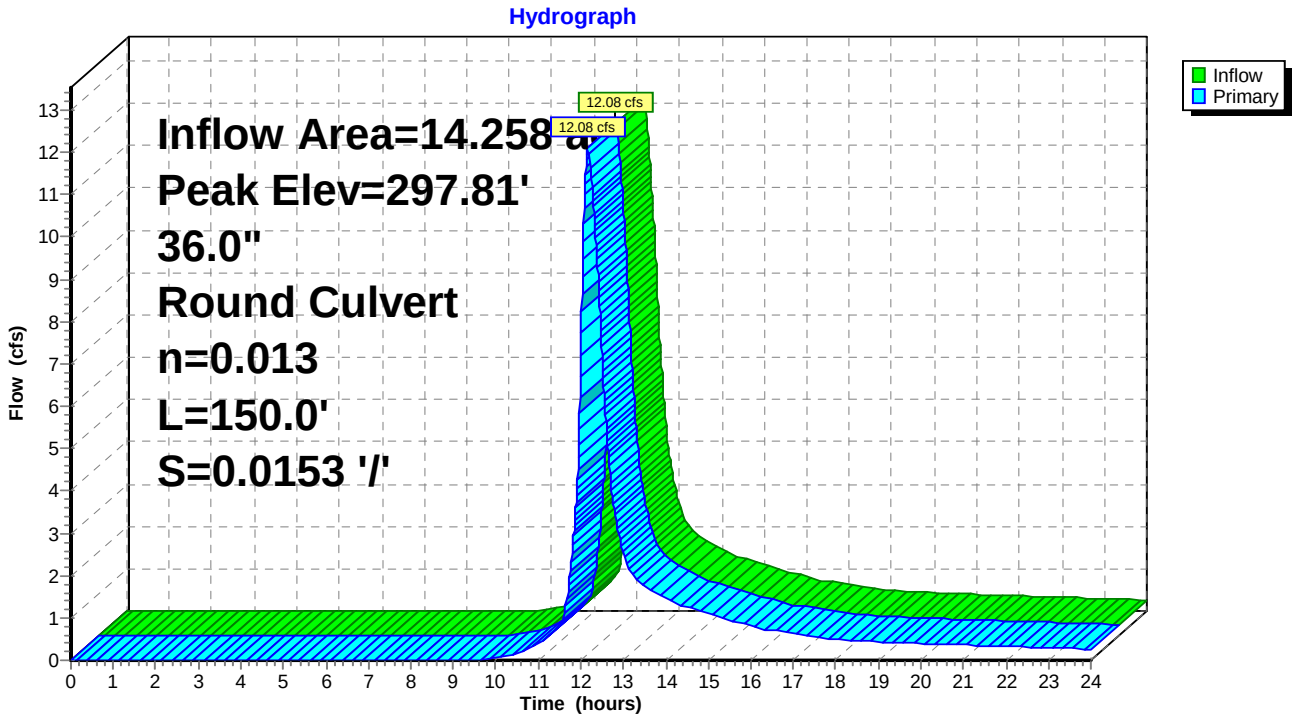
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 1.14" for 1-Year event
Inflow = 12.08 cfs @ 12.16 hrs, Volume= 1.354 af
Outflow = 12.08 cfs @ 12.16 hrs, Volume= 1.354 af, Atten= 0%, Lag= 0.0 min
Primary = 12.08 cfs @ 12.16 hrs, Volume= 1.354 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.81' @ 12.16 hrs
Flood Elev= 301.50'

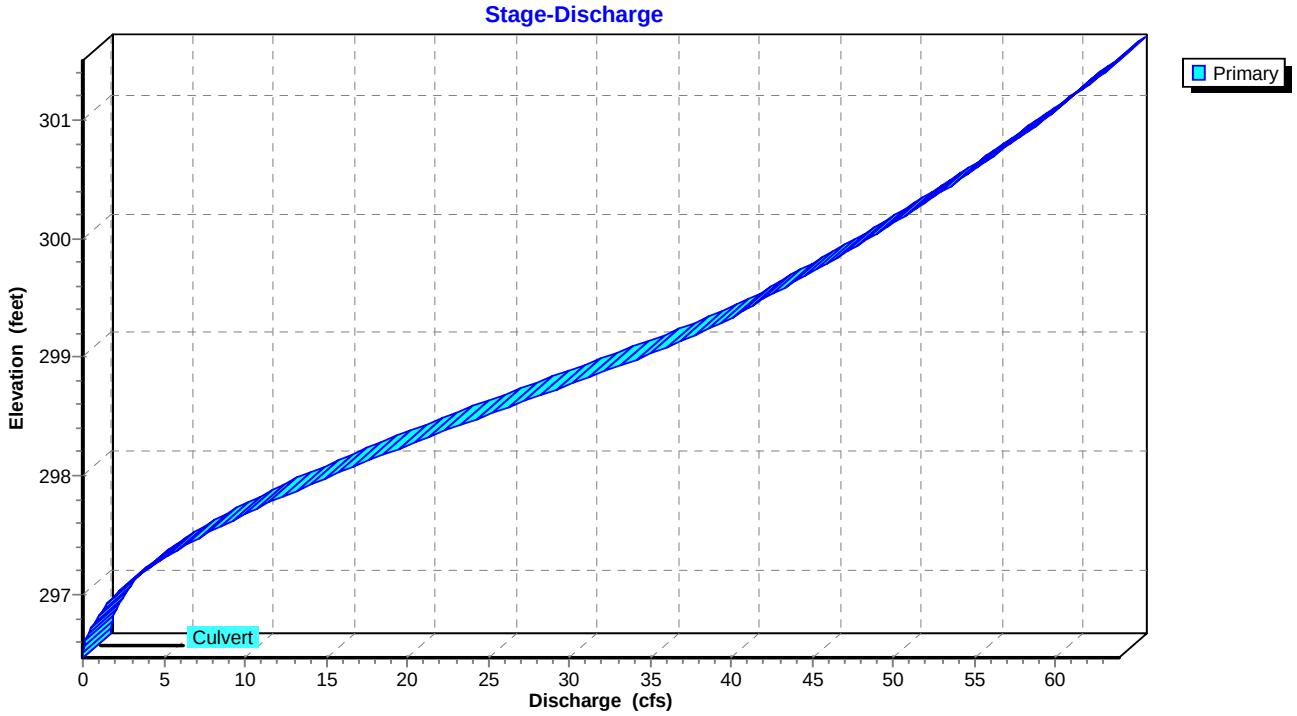
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=12.08 cfs @ 12.16 hrs HW=297.81' TW=295.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.08 cfs @ 3.94 fps)

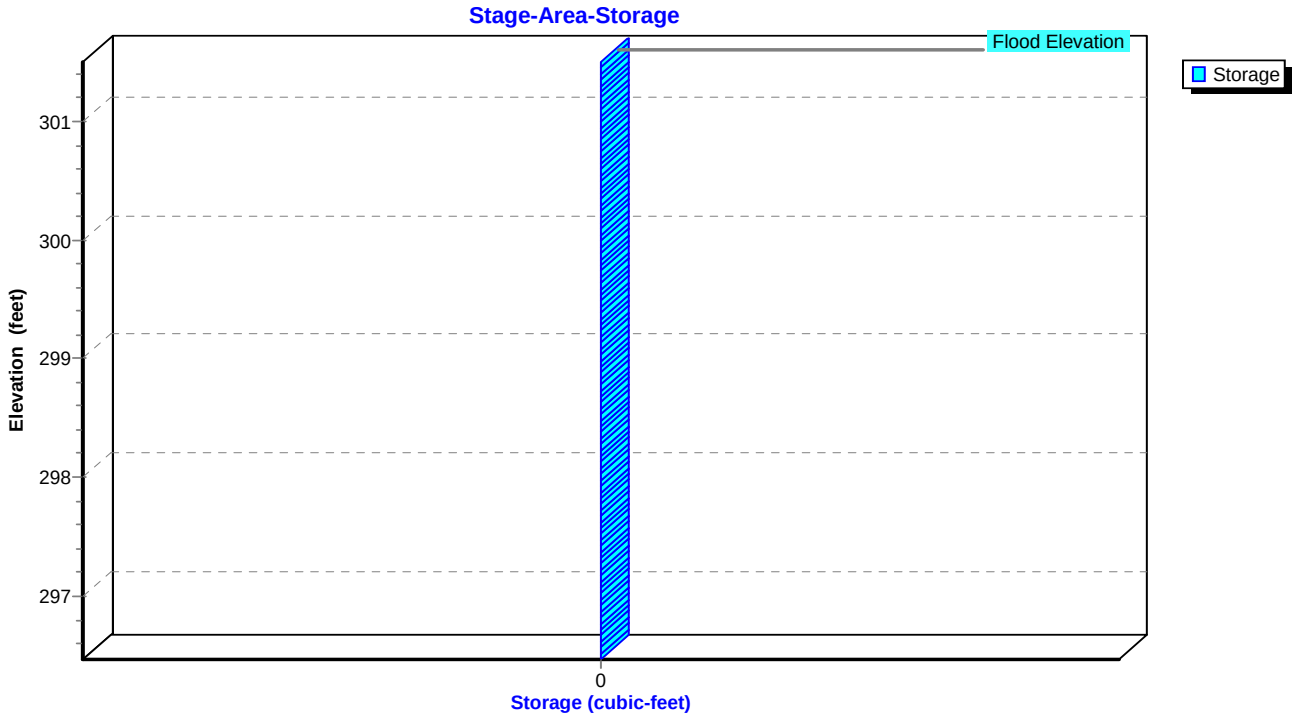
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.47	0.00
7.00	0.00	296.47	0.00
7.50	0.00	296.47	0.00
8.00	0.00	296.47	0.00
8.50	0.00	296.47	0.00
9.00	0.00	296.48	0.00
9.50	0.01	296.51	0.01
10.00	0.06	296.55	0.06
10.50	0.17	296.62	0.17
11.00	0.37	296.69	0.37
11.50	0.84	296.80	0.84
12.00	**7.20**	**297.48**	**7.20**
12.50	**7.22**	**297.48**	**7.22**
13.00	2.54	297.06	2.54
13.50	1.76	296.96	1.76
14.00	1.45	296.91	1.45
14.50	1.25	296.88	1.25
15.00	1.10	296.85	1.10
15.50	0.96	296.83	0.96
16.00	0.80	296.79	0.80
16.50	0.70	296.77	0.70
17.00	0.63	296.76	0.63
17.50	0.56	296.74	0.56
18.00	0.49	296.72	0.49
18.50	0.45	296.71	0.45
19.00	0.43	296.71	0.43
19.50	0.41	296.70	0.41
20.00	0.39	296.70	0.39
20.50	0.37	296.69	0.37
21.00	0.36	296.69	0.36
21.50	0.34	296.68	0.34
22.00	0.32	296.68	0.32
22.50	0.31	296.67	0.31
23.00	0.29	296.66	0.29
23.50	0.28	296.66	0.28
24.00	0.26	296.65	0.26

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

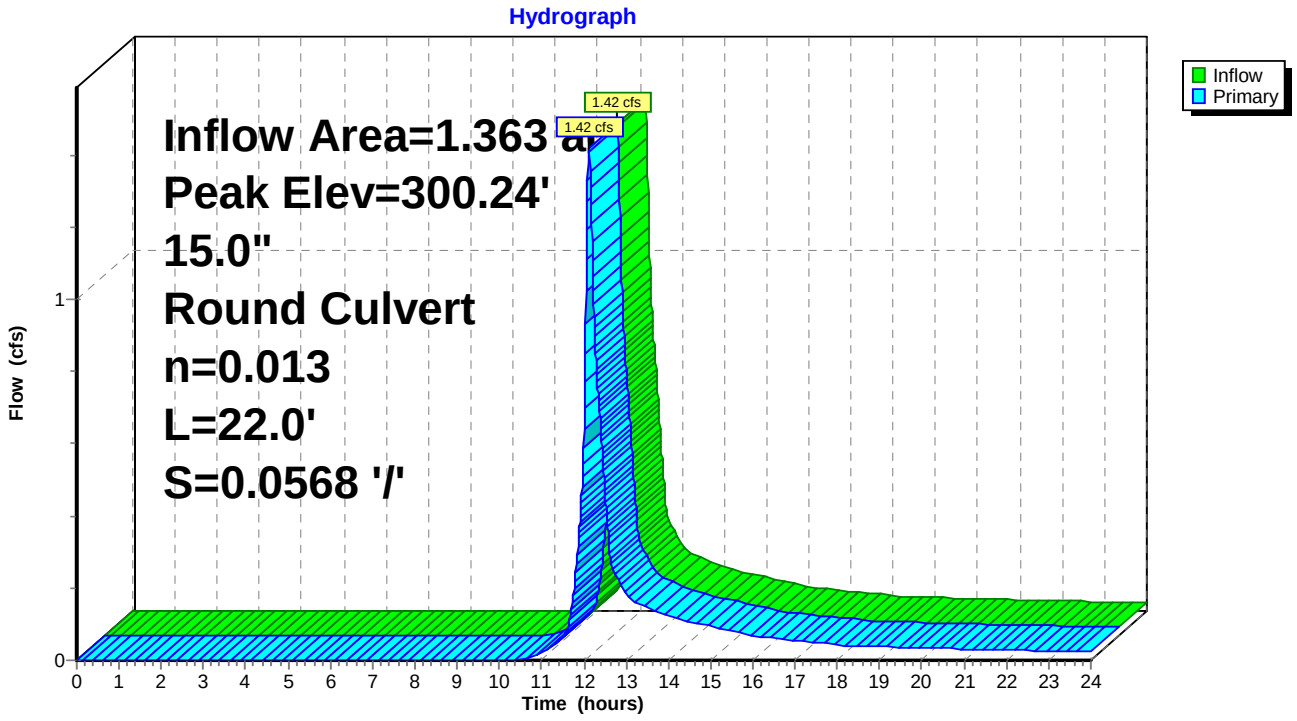
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 0.99" for 1-Year event
Inflow = 1.42 cfs @ 12.12 hrs, Volume= 0.112 af
Outflow = 1.42 cfs @ 12.12 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.42 cfs @ 12.12 hrs, Volume= 0.112 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.24' @ 12.12 hrs
Flood Elev= 302.80'

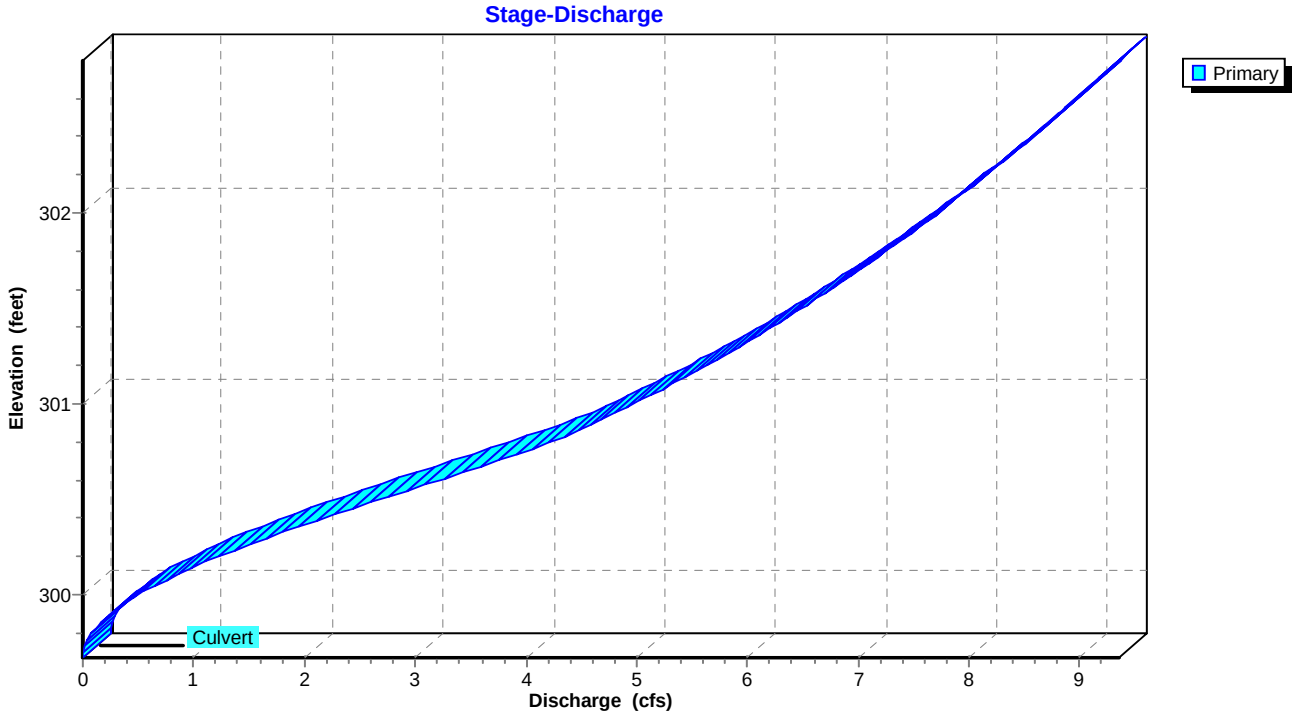
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.42 cfs @ 12.12 hrs HW=300.24' TW=297.79' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.42 cfs @ 2.58 fps)

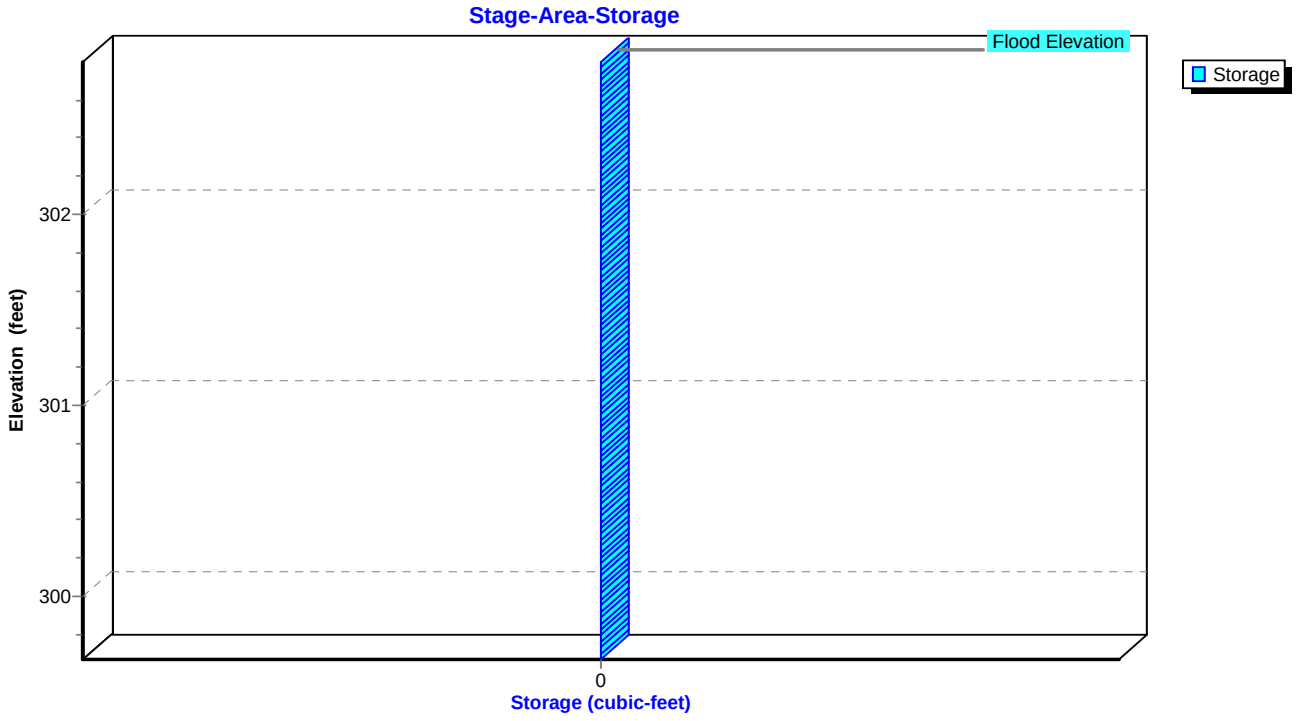
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.00	299.67	0.00
9.00	0.00	299.67	0.00
9.50	0.00	299.67	0.00
10.00	0.00	299.67	0.00
10.50	0.00	299.70	0.00
11.00	0.02	299.73	0.02
11.50	0.06	299.78	0.06
12.00	**0.64**	**300.04**	**0.64**
12.50	**0.47**	**299.99**	**0.47**
13.00	0.19	299.87	0.19
13.50	0.15	299.84	0.15
14.00	0.12	299.83	0.12
14.50	0.11	299.82	0.11
15.00	0.09	299.81	0.09
15.50	0.08	299.80	0.08
16.00	0.07	299.79	0.07
16.50	0.06	299.78	0.06
17.00	0.05	299.77	0.05
17.50	0.05	299.77	0.05
18.00	0.04	299.76	0.04
18.50	0.04	299.76	0.04
19.00	0.04	299.76	0.04
19.50	0.04	299.76	0.04
20.00	0.03	299.75	0.03
20.50	0.03	299.75	0.03
21.00	0.03	299.75	0.03
21.50	0.03	299.75	0.03
22.00	0.03	299.75	0.03
22.50	0.03	299.74	0.03
23.00	0.03	299.74	0.03
23.50	0.02	299.74	0.02
24.00	0.02	299.74	0.02

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	**9.33**
299.75	0.03	300.77	4.08	301.79	7.22		
299.77	0.05	300.79	4.18	301.81	7.27		
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
299.67	**0**
299.72	0
299.77	0
299.82	0
299.87	0
299.92	0
299.97	0
300.02	0
300.07	0
300.12	0
300.17	0
300.22	0
300.27	0
300.32	0
300.37	0
300.42	0
300.47	0
300.52	0
300.57	0
300.62	0
300.67	0
300.72	0
300.77	0
300.82	0
300.87	0
300.92	0
300.97	0
301.02	0
301.07	0
301.12	0
301.17	0
301.22	0
301.27	0
301.32	0
301.37	0
301.42	0
301.47	0
301.52	0
301.57	0
301.62	0
301.67	0
301.72	0
301.77	0
301.82	0
301.87	0
301.92	0
301.97	0
302.02	0
302.07	0
302.12	0
302.17	0
302.22	0
302.27	0
302.32	0
302.37	0
302.42	0
302.47	0
302.52	0
302.57	0
302.62	0
302.67	0
302.72	0
302.77	0

Summary for Pond CB13: Catchbasin

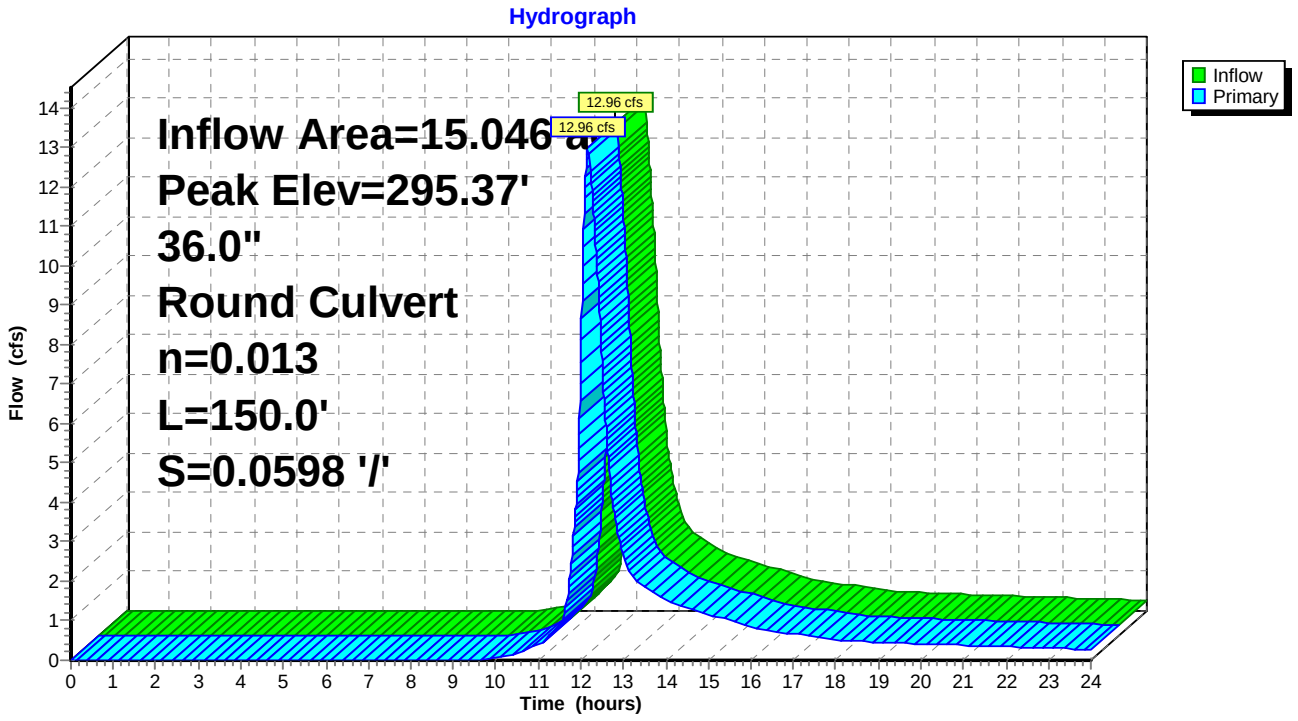
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 1.14" for 1-Year event
Inflow = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af
Outflow = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af, Atten= 0%, Lag= 0.0 min
Primary = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.37' @ 12.16 hrs
Flood Elev= 298.50'

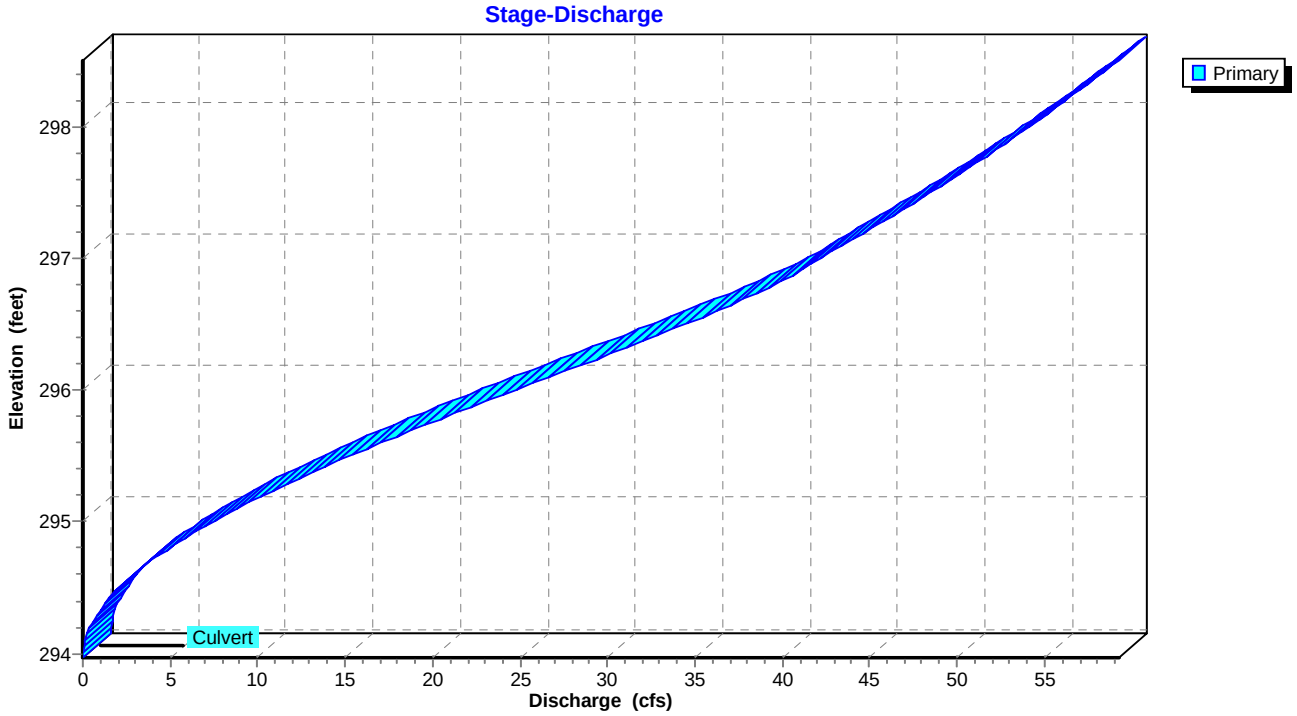
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=12.96 cfs @ 12.16 hrs HW=295.37' TW=286.43' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.96 cfs @ 4.02 fps)

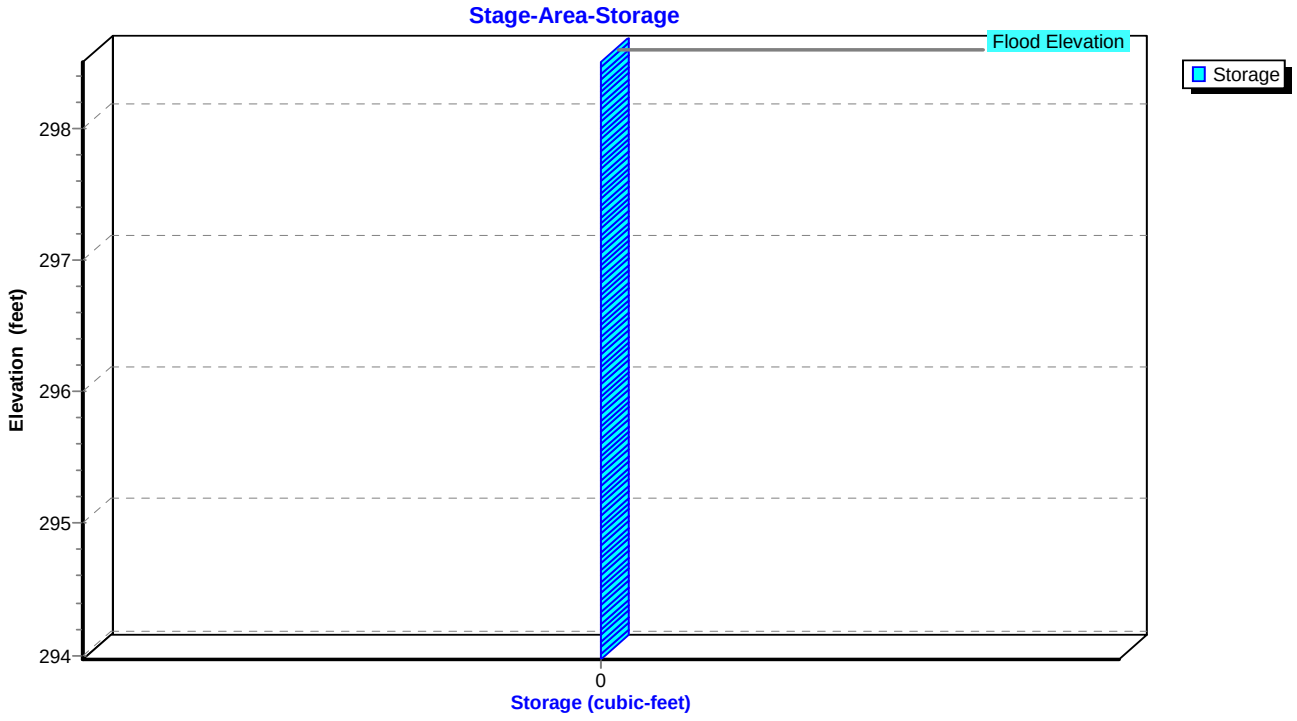
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.00	293.97	0.00
7.50	0.00	293.97	0.00
8.00	0.00	293.97	0.00
8.50	0.00	293.97	0.00
9.00	0.00	293.98	0.00
9.50	0.01	294.00	0.01
10.00	0.06	294.06	0.06
10.50	0.18	294.12	0.18
11.00	0.40	294.20	0.40
11.50	0.89	294.31	0.89
12.00	**7.56**	**295.01**	**7.56**
12.50	**7.59**	**295.01**	**7.59**
13.00	2.67	294.57	2.67
13.50	1.86	294.47	1.86
14.00	1.53	294.42	1.53
14.50	1.32	294.39	1.32
15.00	1.17	294.36	1.17
15.50	1.01	294.33	1.01
16.00	0.85	294.30	0.85
16.50	0.74	294.28	0.74
17.00	0.66	294.27	0.66
17.50	0.59	294.25	0.59
18.00	0.52	294.23	0.52
18.50	0.48	294.22	0.48
19.00	0.45	294.21	0.45
19.50	0.43	294.21	0.43
20.00	0.41	294.20	0.41
20.50	0.39	294.20	0.39
21.00	0.38	294.19	0.38
21.50	0.36	294.19	0.36
22.00	0.34	294.18	0.34
22.50	0.33	294.18	0.33
23.00	0.31	294.17	0.31
23.50	0.29	294.16	0.29
24.00	0.27	294.16	0.27

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	**58.95**
295.97	24.10		
296.02	25.09		
296.07	26.08		
296.12	27.07		
296.17	28.05		
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

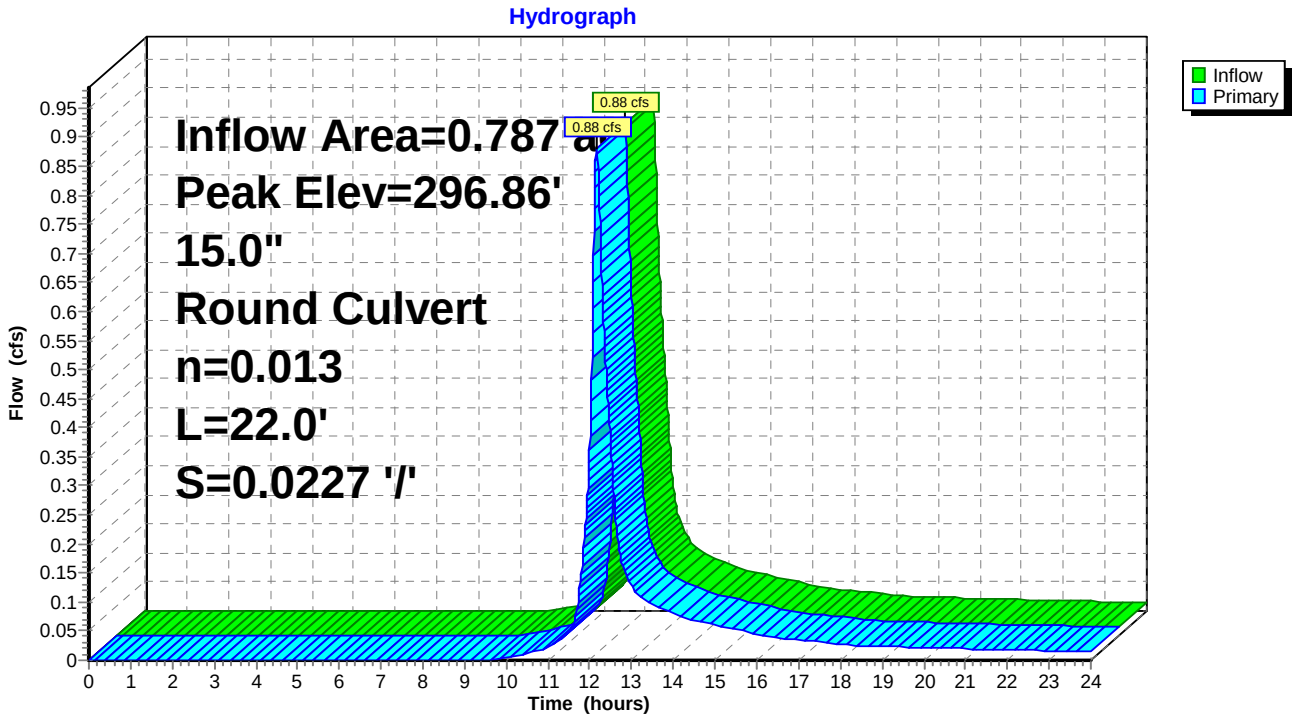
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.88 cfs @ 12.17 hrs, Volume= 0.076 af
Outflow = 0.88 cfs @ 12.17 hrs, Volume= 0.076 af, Atten= 0%, Lag= 0.0 min
Primary = 0.88 cfs @ 12.17 hrs, Volume= 0.076 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.86' @ 12.17 hrs
Flood Elev= 299.00'

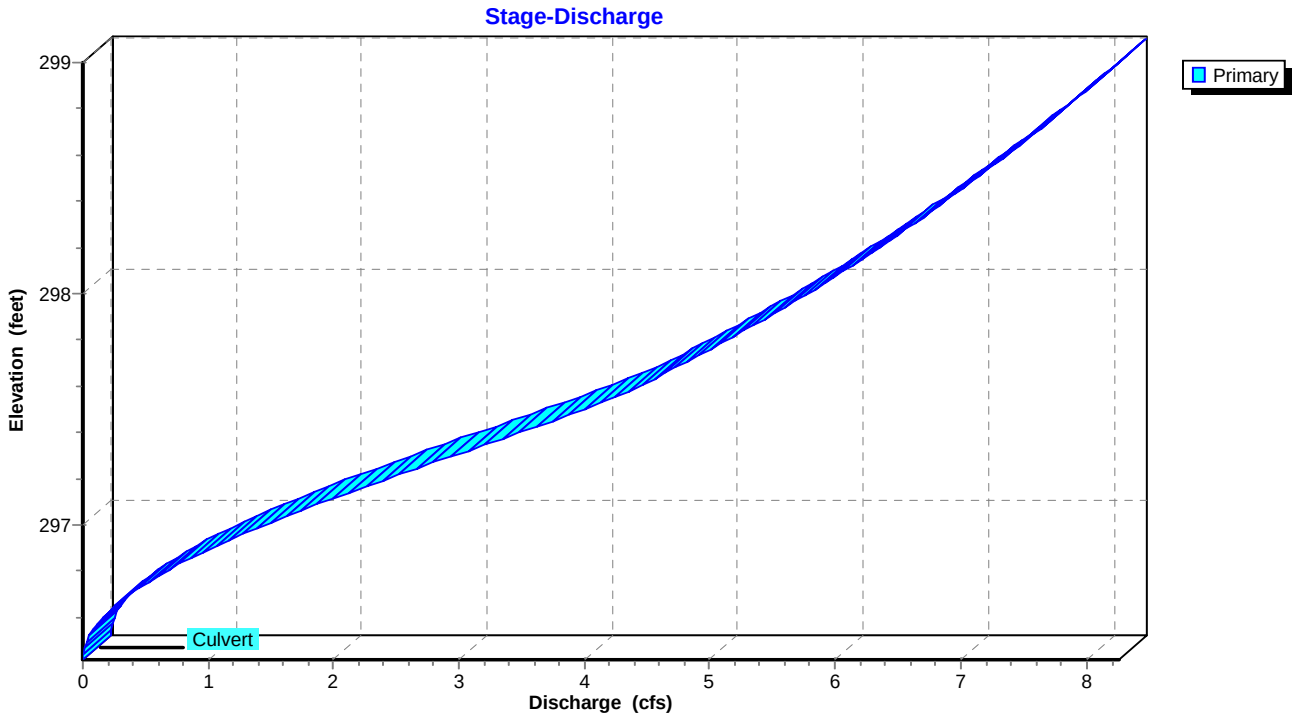
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.88 cfs @ 12.17 hrs HW=296.86' TW=295.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.88 cfs @ 2.26 fps)

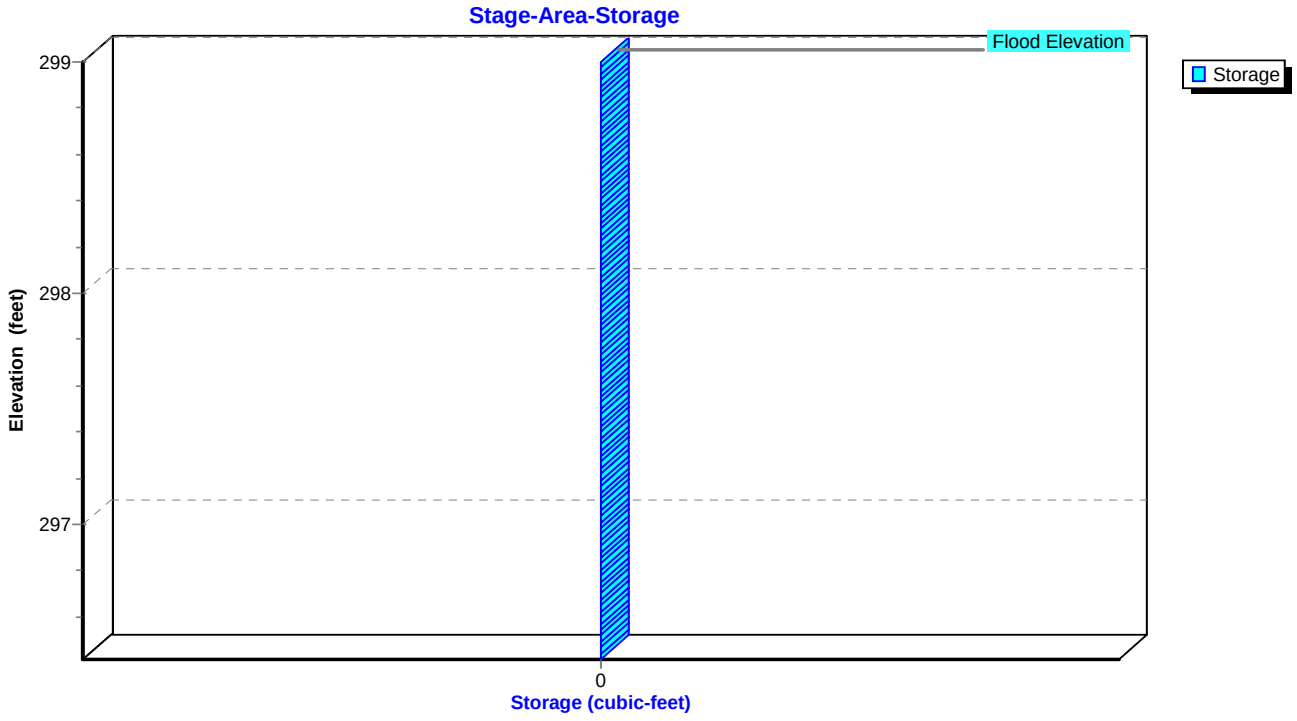
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.42	0.00
8.00	0.00	296.42	0.00
8.50	0.00	296.42	0.00
9.00	0.00	296.42	0.00
9.50	0.00	296.42	0.00
10.00	0.00	296.45	0.00
10.50	0.01	296.47	0.01
11.00	0.02	296.49	0.02
11.50	0.05	296.52	0.05
12.00	**0.36**	**296.70**	**0.36**
12.50	**0.37**	**296.70**	**0.37**
13.00	0.13	296.58	0.13
13.50	0.10	296.56	0.10
14.00	0.08	296.55	0.08
14.50	0.07	296.54	0.07
15.00	0.06	296.53	0.06
15.50	0.05	296.52	0.05
16.00	0.04	296.51	0.04
16.50	0.04	296.51	0.04
17.00	0.03	296.50	0.03
17.50	0.03	296.50	0.03
18.00	0.03	296.49	0.03
18.50	0.03	296.49	0.03
19.00	0.02	296.49	0.02
19.50	0.02	296.49	0.02
20.00	0.02	296.49	0.02
20.50	0.02	296.48	0.02
21.00	0.02	296.48	0.02
21.50	0.02	296.48	0.02
22.00	0.02	296.48	0.02
22.50	0.02	296.48	0.02
23.00	0.02	296.48	0.02
23.50	0.02	296.48	0.02
24.00	0.01	296.47	0.01

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

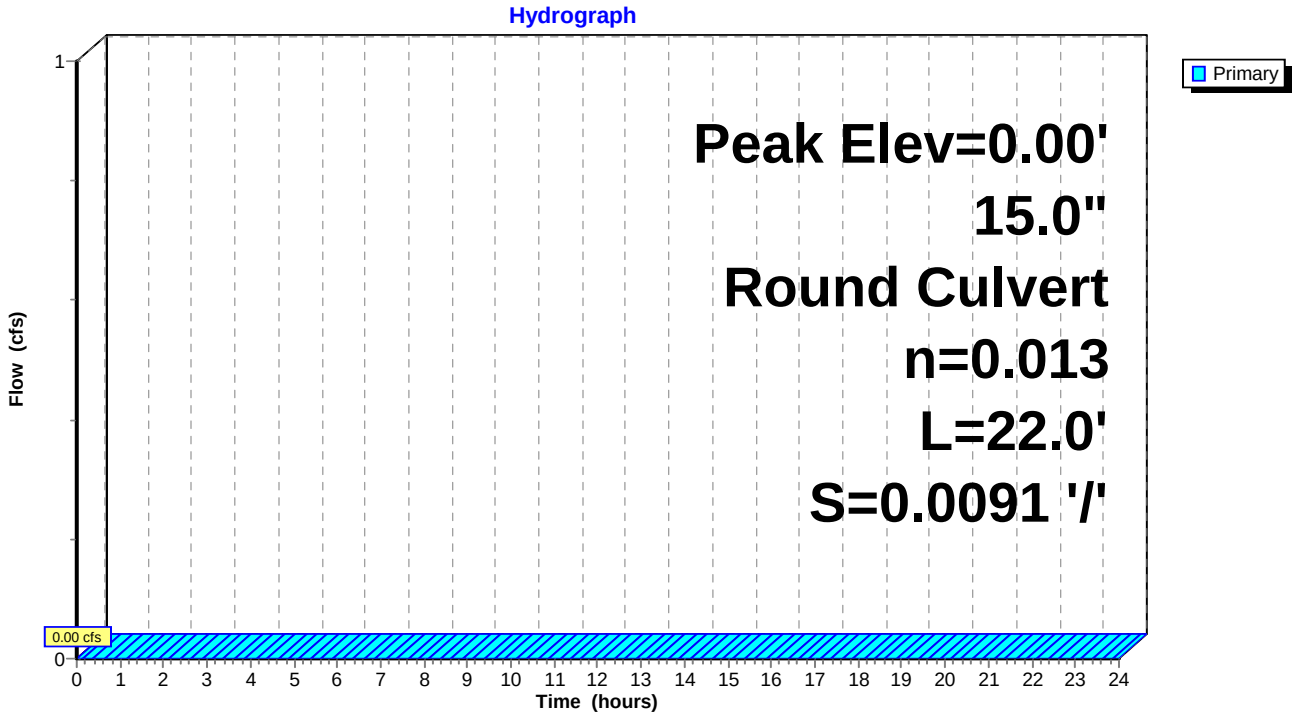
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

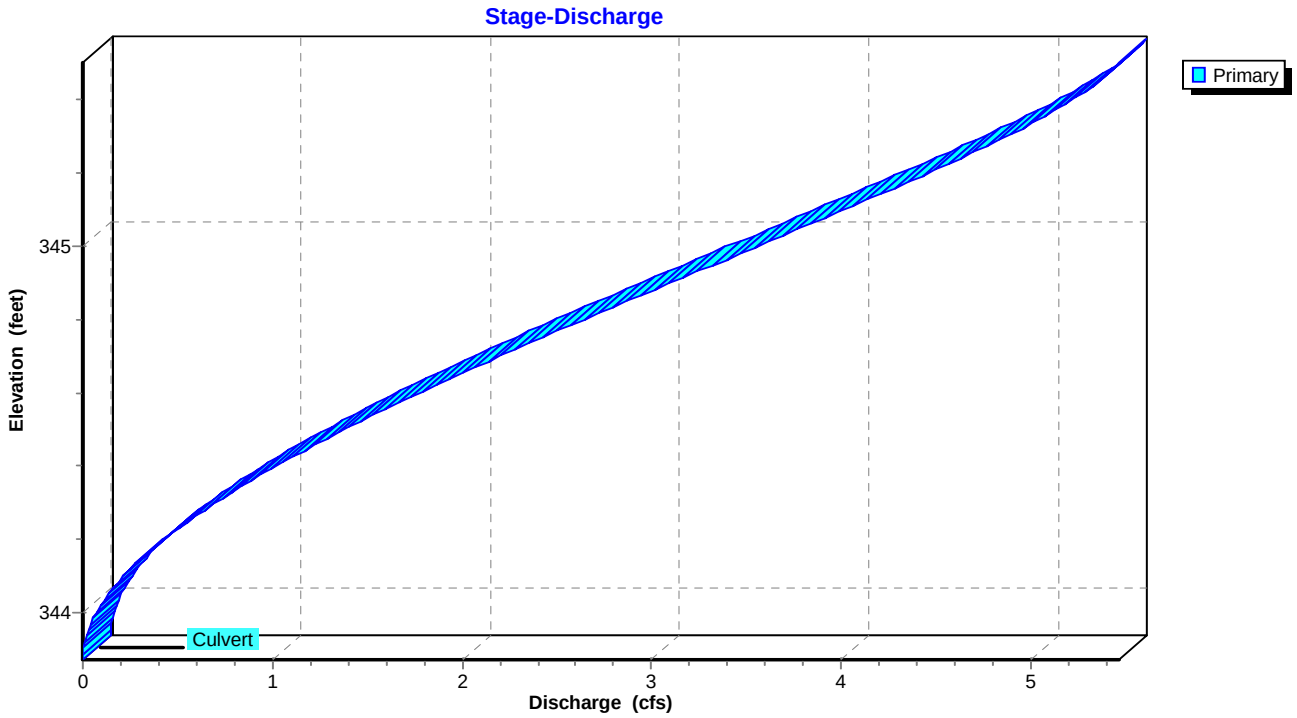
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

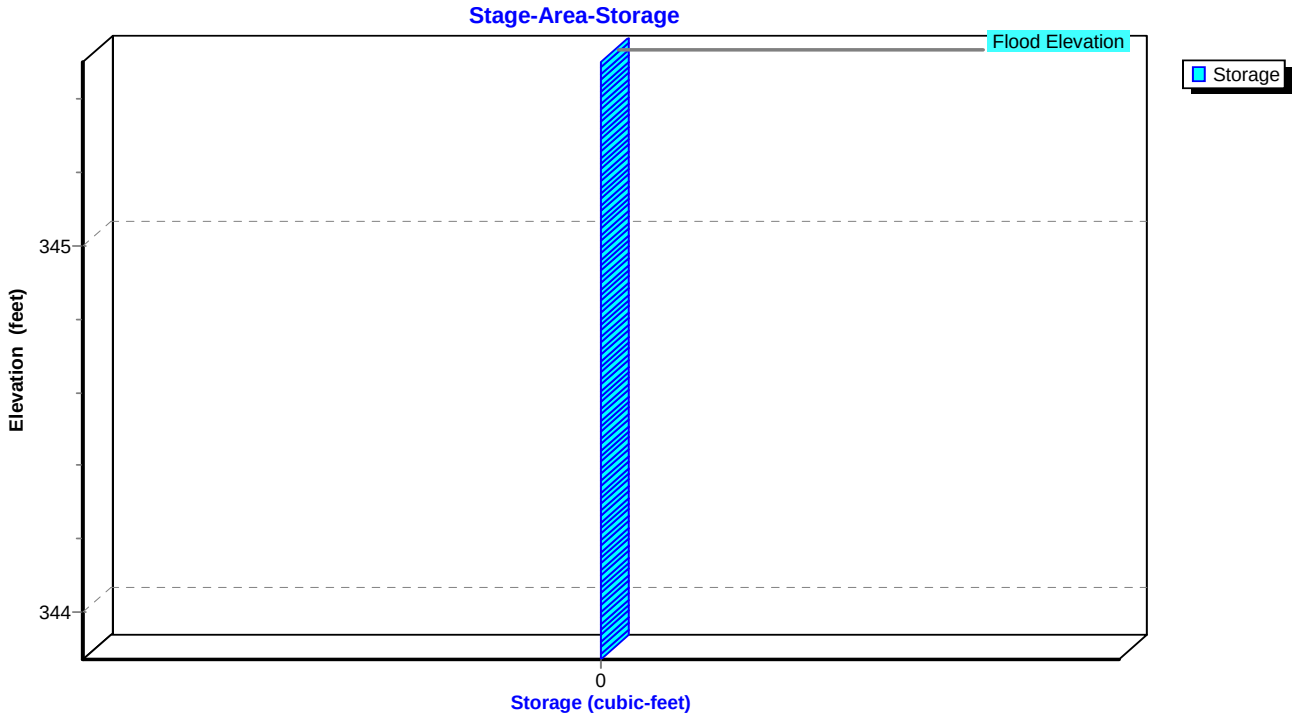
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

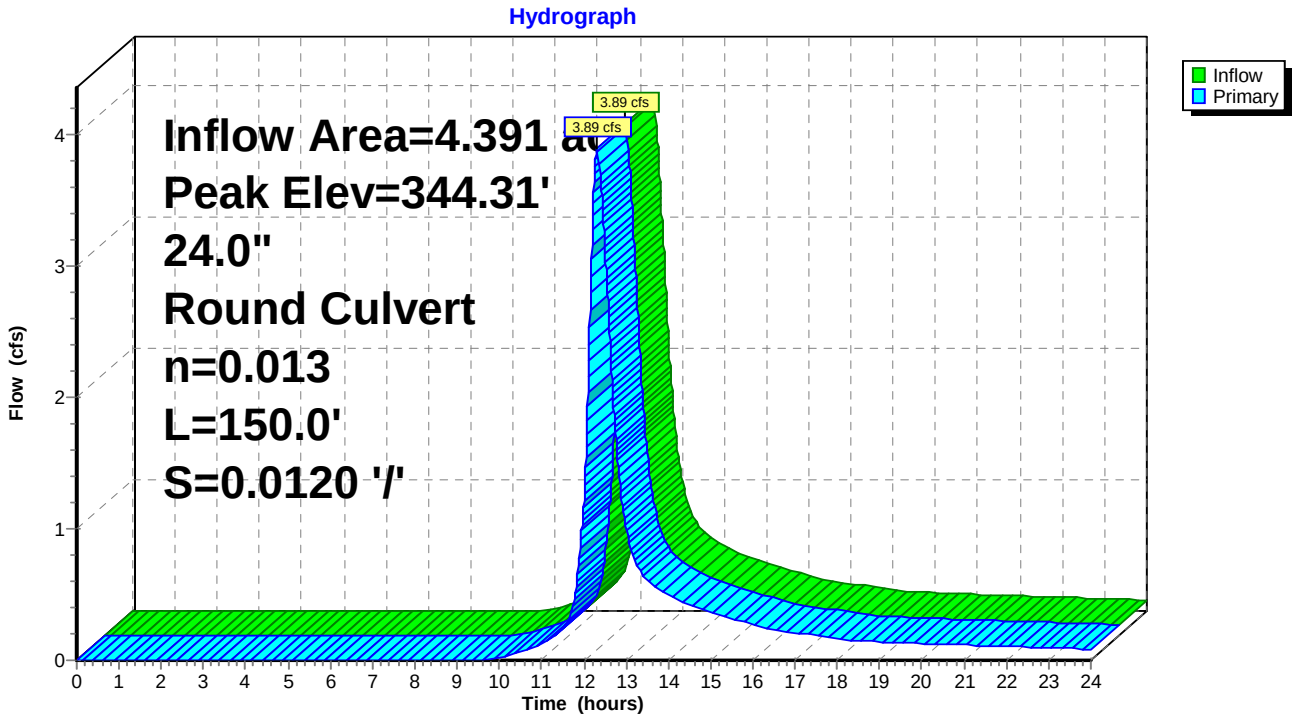
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af
Outflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af, Atten= 0%, Lag= 0.0 min
Primary = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.31' @ 12.31 hrs
Flood Elev= 347.00'

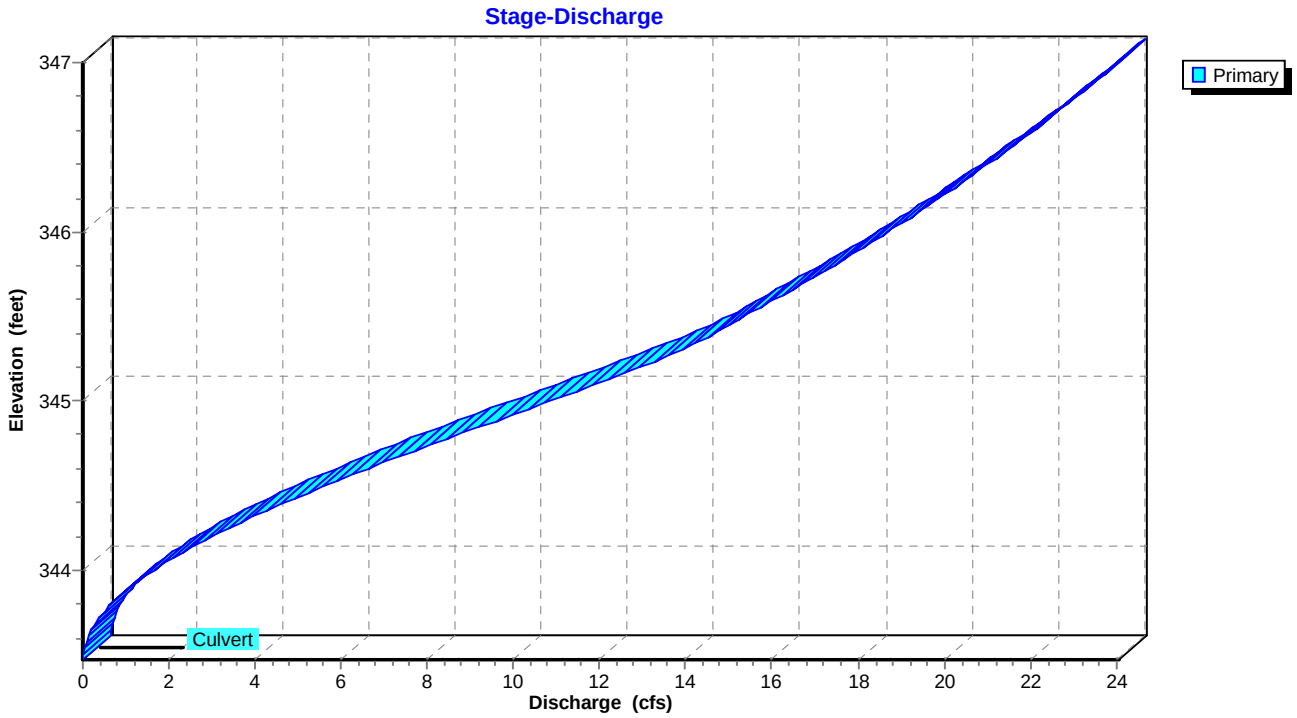
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.89 cfs @ 12.31 hrs HW=344.31' TW=342.42' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.89 cfs @ 3.12 fps)

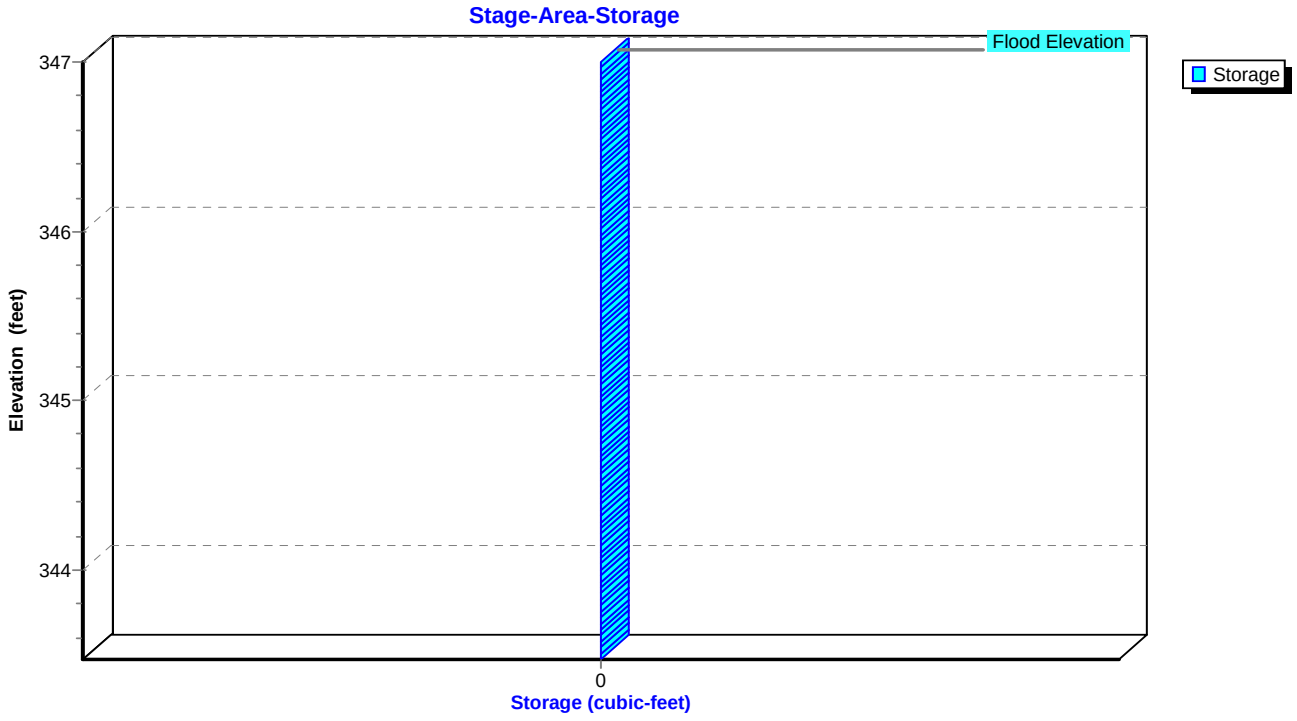
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.47	0.00
8.00	0.00	343.47	0.00
8.50	0.00	343.47	0.00
9.00	0.00	343.47	0.00
9.50	0.00	343.49	0.00
10.00	0.02	343.53	0.02
10.50	0.06	343.57	0.06
11.00	0.13	343.61	0.13
11.50	0.25	343.67	0.25
12.00	**1.21**	**343.92**	**1.21**
12.50	**3.15**	**344.22**	**3.15**
13.00	1.01	343.88	1.01
13.50	0.60	343.78	0.60
14.00	0.49	343.75	0.49
14.50	0.42	343.73	0.42
15.00	0.37	343.71	0.37
15.50	0.32	343.70	0.32
16.00	0.27	343.68	0.27
16.50	0.23	343.66	0.23
17.00	0.21	343.65	0.21
17.50	0.19	343.64	0.19
18.00	0.16	343.63	0.16
18.50	0.15	343.62	0.15
19.00	0.14	343.62	0.14
19.50	0.13	343.62	0.13
20.00	0.13	343.61	0.13
20.50	0.12	343.61	0.12
21.00	0.12	343.61	0.12
21.50	0.11	343.60	0.11
22.00	0.11	343.60	0.11
22.50	0.10	343.60	0.10
23.00	0.09	343.59	0.09
23.50	0.09	343.59	0.09
24.00	0.08	343.59	0.08

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.47	**0**	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		
345.27	0		
345.32	0		
345.37	0		
345.42	0		
345.47	0		
345.52	0		
345.57	0		
345.62	0		
345.67	0		
345.72	0		
345.77	0		
345.82	0		
345.87	0		
345.92	0		
345.97	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

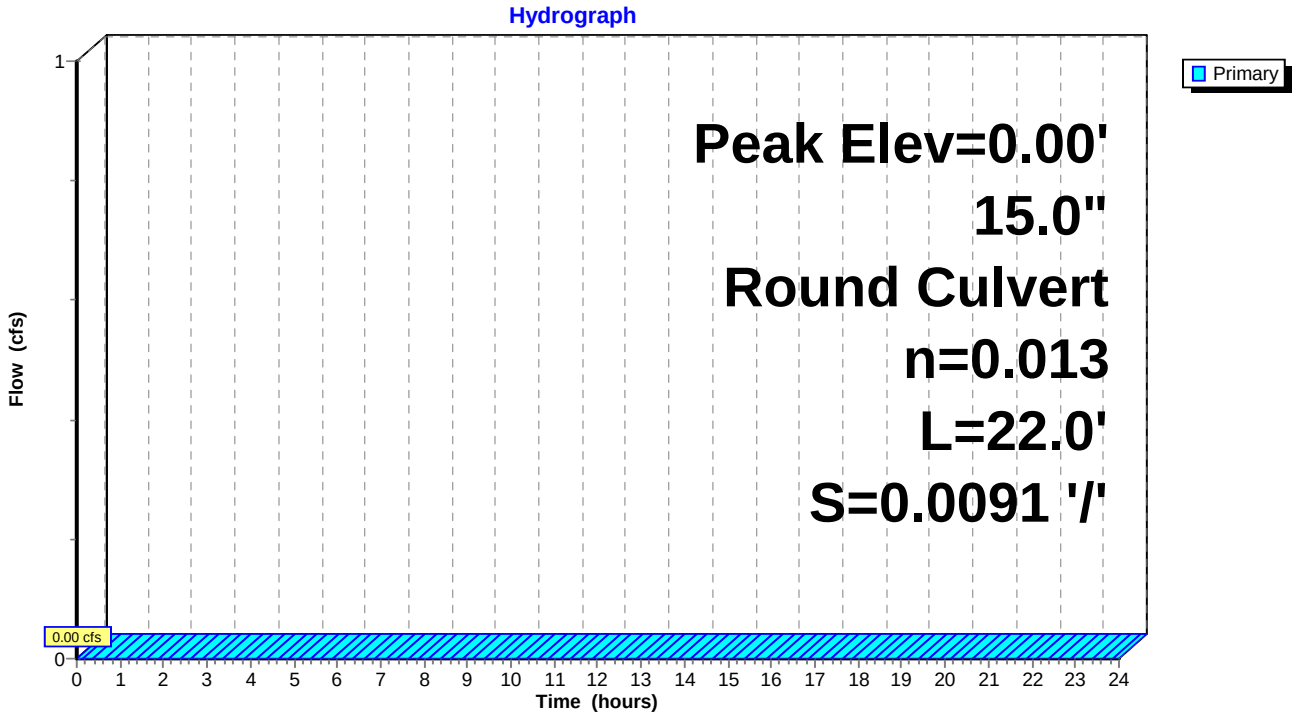
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

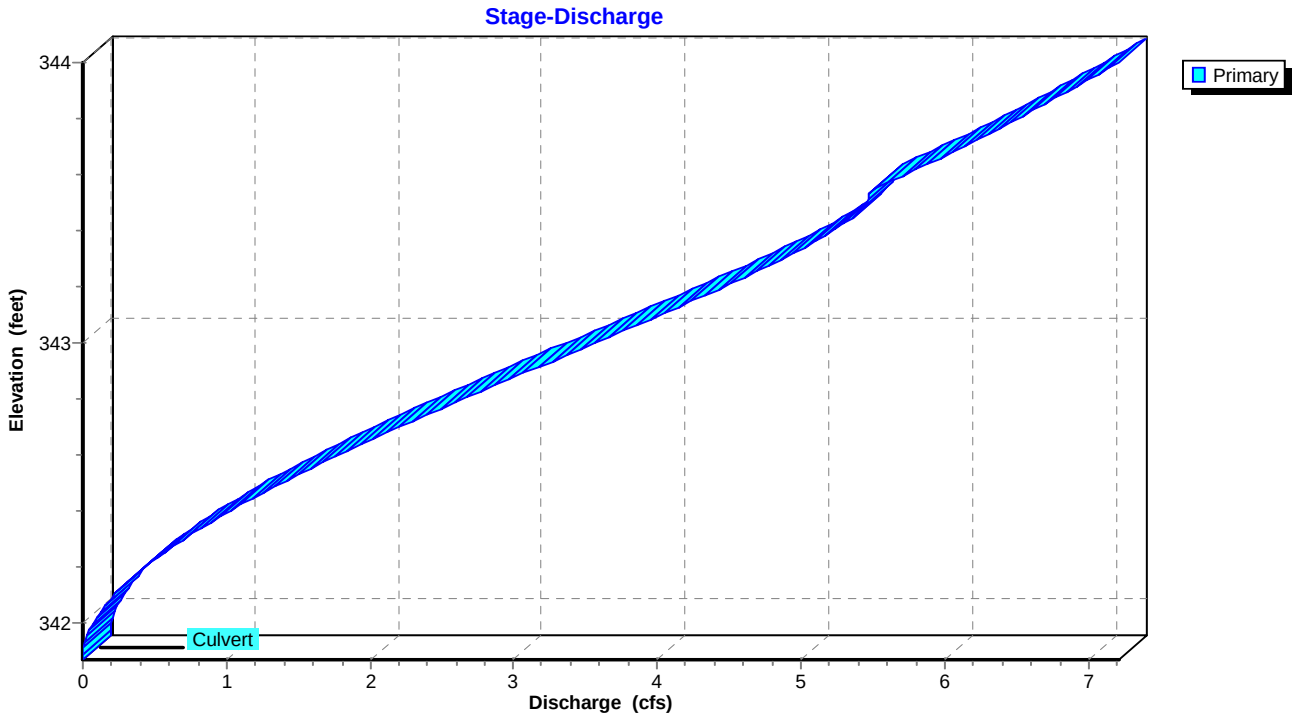
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

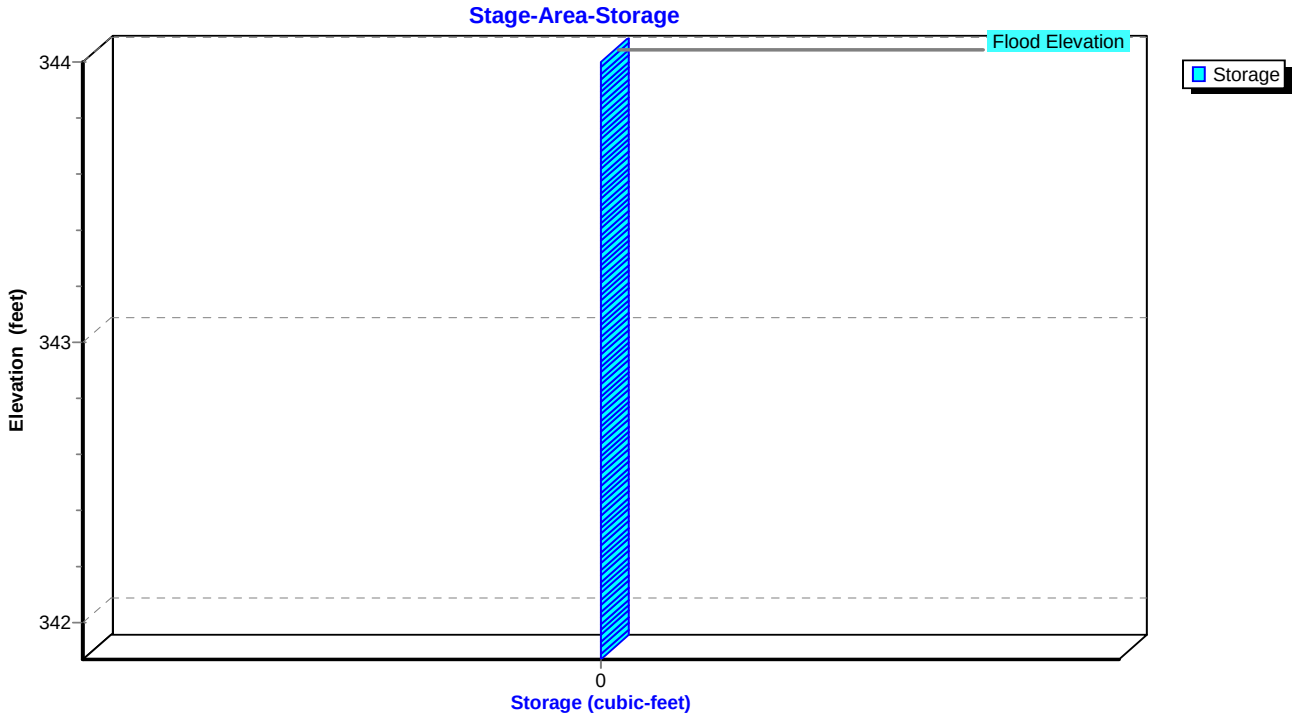
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

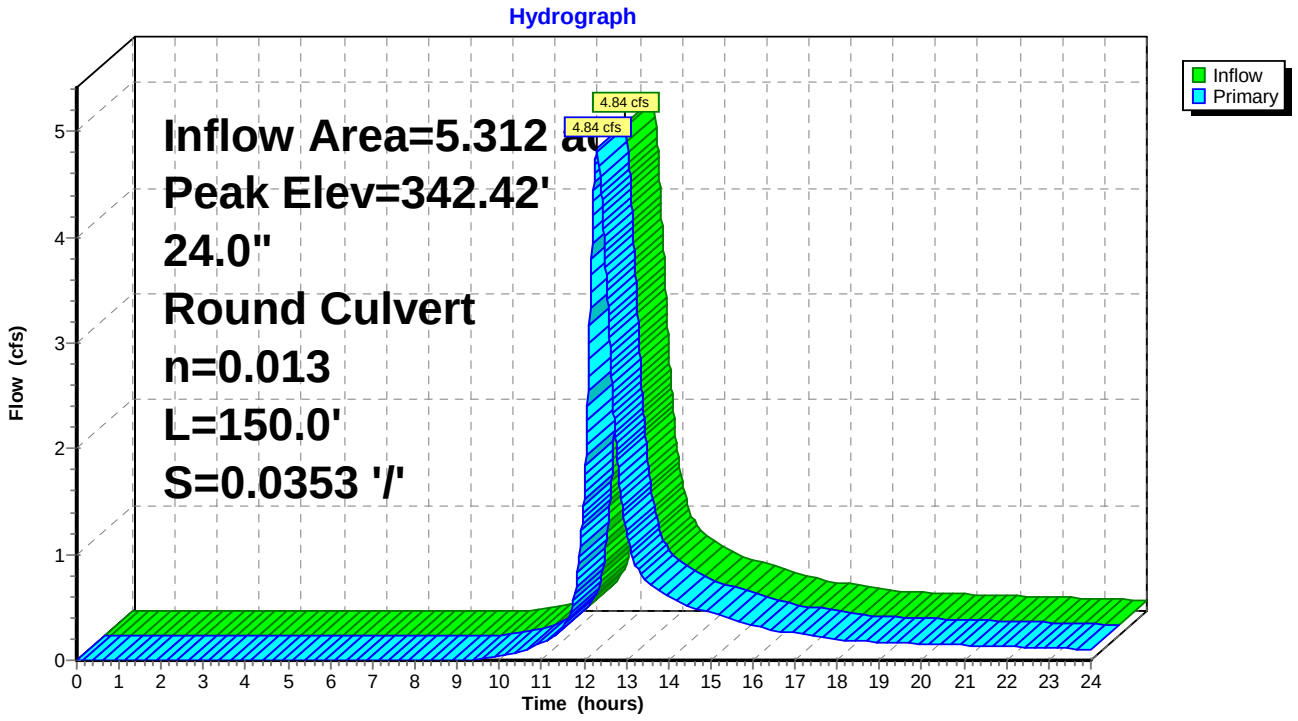
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.24" for 1-Year event
Inflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af
Outflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af, Atten= 0%, Lag= 0.0 min
Primary = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.42' @ 12.31 hrs
Flood Elev= 345.00'

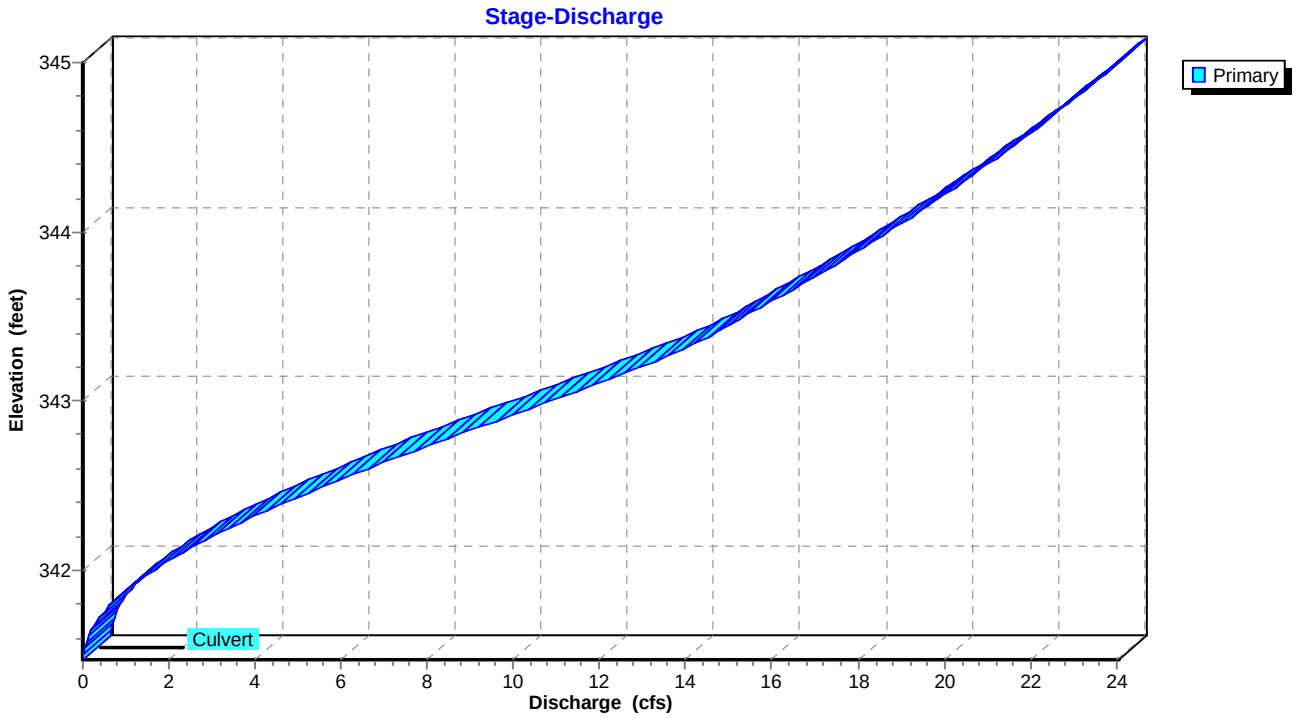
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.84 cfs @ 12.31 hrs HW=342.42' TW=336.10' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.84 cfs @ 3.31 fps)

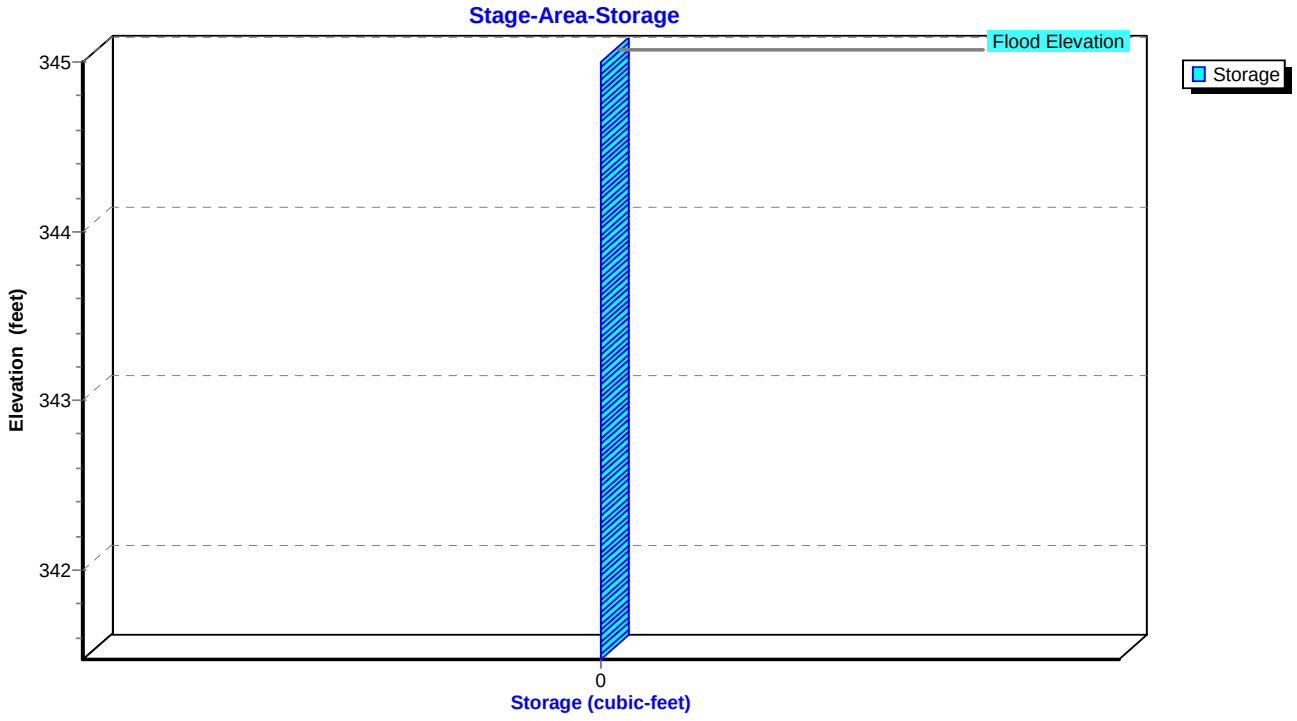
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.47	0.00
7.50	0.00	341.47	0.00
8.00	0.00	341.47	0.00
8.50	0.00	341.47	0.00
9.00	0.00	341.48	0.00
9.50	0.01	341.51	0.01
10.00	0.03	341.54	0.03
10.50	0.08	341.59	0.08
11.00	0.16	341.63	0.16
11.50	0.32	341.70	0.32
12.00	**1.53**	**341.98**	**1.53**
12.50	**3.86**	**342.30**	**3.86**
13.00	1.23	341.92	1.23
13.50	0.74	341.82	0.74
14.00	0.60	341.78	0.60
14.50	0.51	341.76	0.51
15.00	0.45	341.74	0.45
15.50	0.39	341.72	0.39
16.00	0.33	341.70	0.33
16.50	0.28	341.68	0.28
17.00	0.25	341.67	0.25
17.50	0.23	341.66	0.23
18.00	0.20	341.65	0.20
18.50	0.18	341.64	0.18
19.00	0.17	341.63	0.17
19.50	0.16	341.63	0.16
20.00	0.15	341.63	0.15
20.50	0.15	341.62	0.15
21.00	0.14	341.62	0.14
21.50	0.13	341.62	0.13
22.00	0.13	341.61	0.13
22.50	0.12	341.61	0.12
23.00	0.12	341.61	0.12
23.50	0.11	341.60	0.11
24.00	0.10	341.60	0.10

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

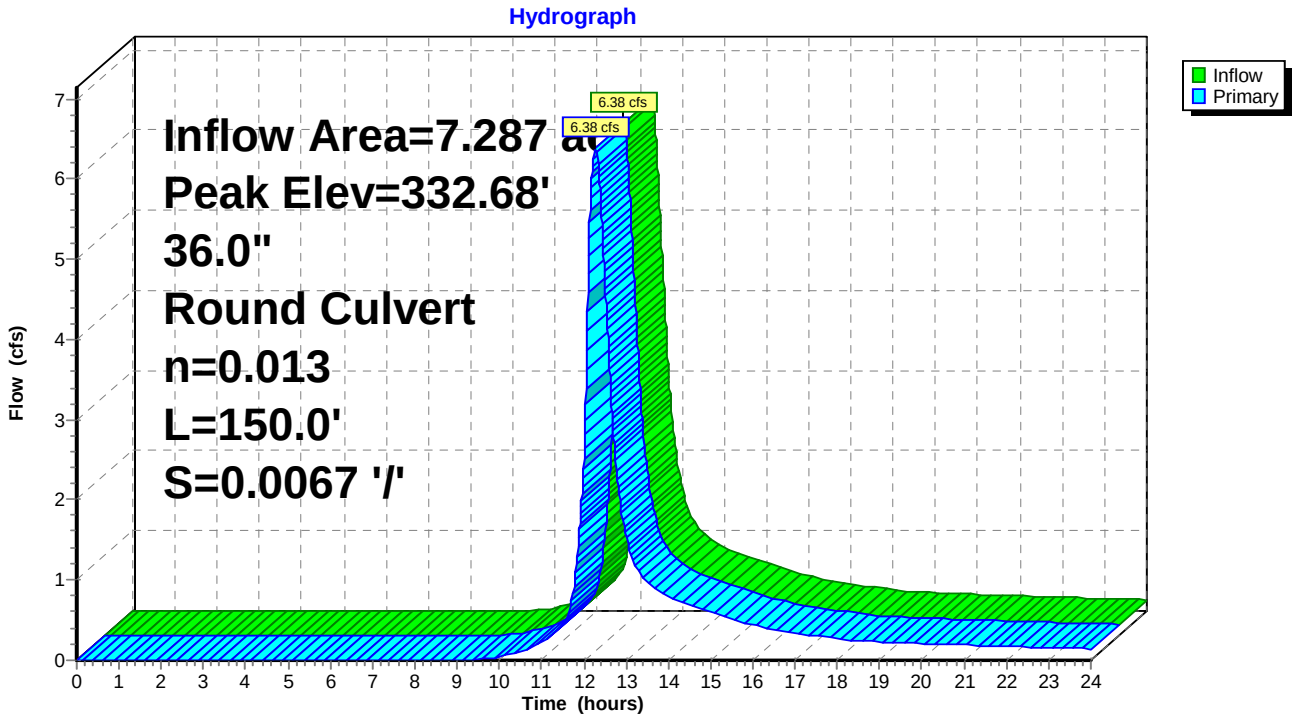
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.68' @ 12.27 hrs
Flood Elev= 337.75'

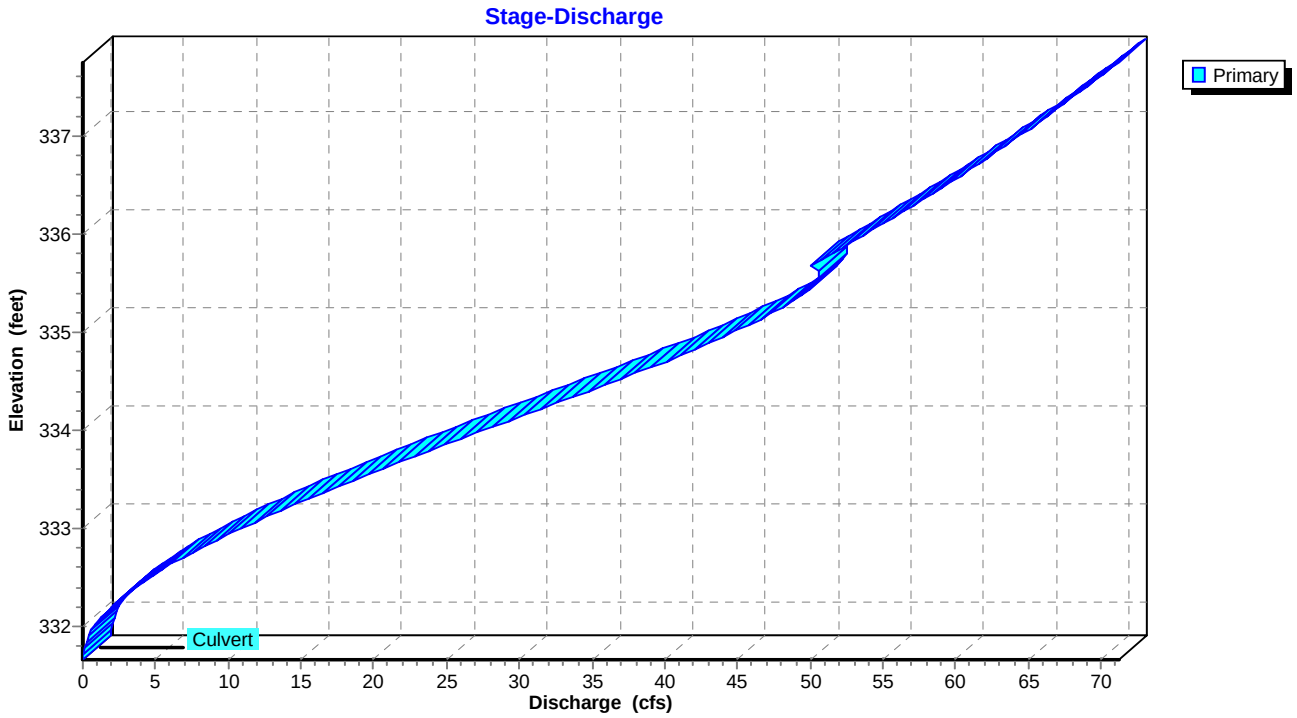
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=332.67' TW=331.47' (Dynamic Tailwater)
1=Culvert (Outlet Controls 6.38 cfs @ 4.58 fps)

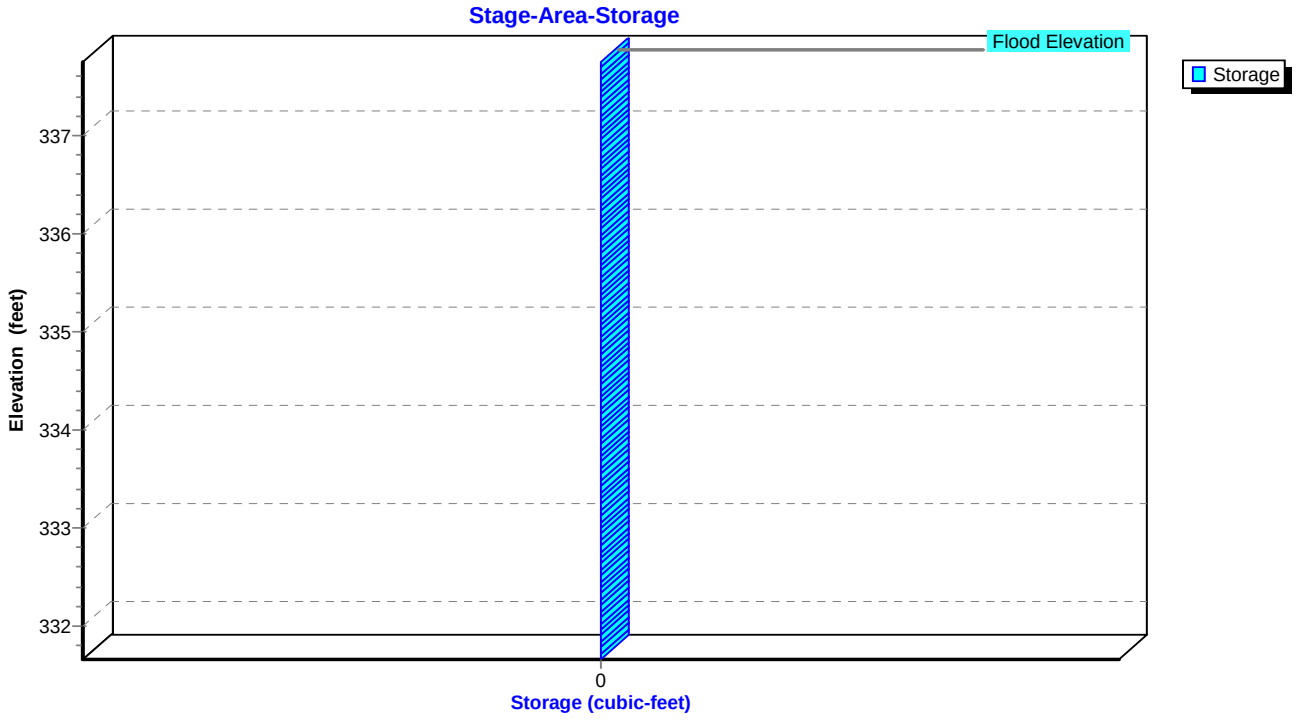
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.67	0.00
7.50	0.00	331.67	0.00
8.00	0.00	331.67	0.00
8.50	0.00	331.67	0.00
9.00	0.00	331.68	0.00
9.50	0.01	331.71	0.01
10.00	0.04	331.76	0.04
10.50	0.11	331.81	0.11
11.00	0.22	331.86	0.22
11.50	0.45	331.93	0.45
12.00	**2.51**	**332.28**	**2.51**
12.50	**4.74**	**332.52**	**4.74**
13.00	1.55	332.15	1.55
13.50	0.98	332.05	0.98
14.00	0.80	332.02	0.80
14.50	0.68	331.99	0.68
15.00	0.60	331.97	0.60
15.50	0.52	331.95	0.52
16.00	0.44	331.93	0.44
16.50	0.38	331.91	0.38
17.00	0.34	331.90	0.34
17.50	0.30	331.89	0.30
18.00	0.27	331.87	0.27
18.50	0.24	331.86	0.24
19.00	0.23	331.86	0.23
19.50	0.22	331.86	0.22
20.00	0.21	331.85	0.21
20.50	0.20	331.85	0.20
21.00	0.19	331.84	0.19
21.50	0.18	331.84	0.18
22.00	0.17	331.84	0.17
22.50	0.16	331.83	0.16
23.00	0.16	331.83	0.16
23.50	0.15	331.82	0.15
24.00	0.14	331.82	0.14

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

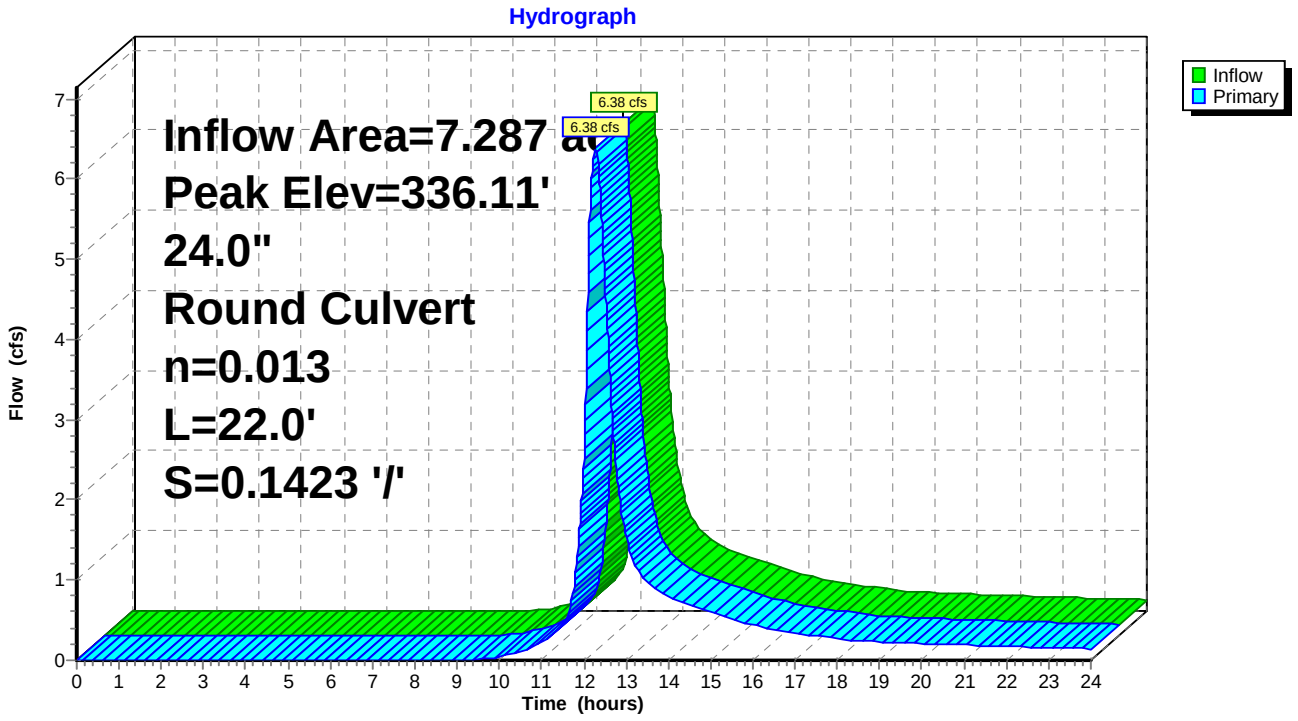
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.11' @ 12.27 hrs
Flood Elev= 339.50'

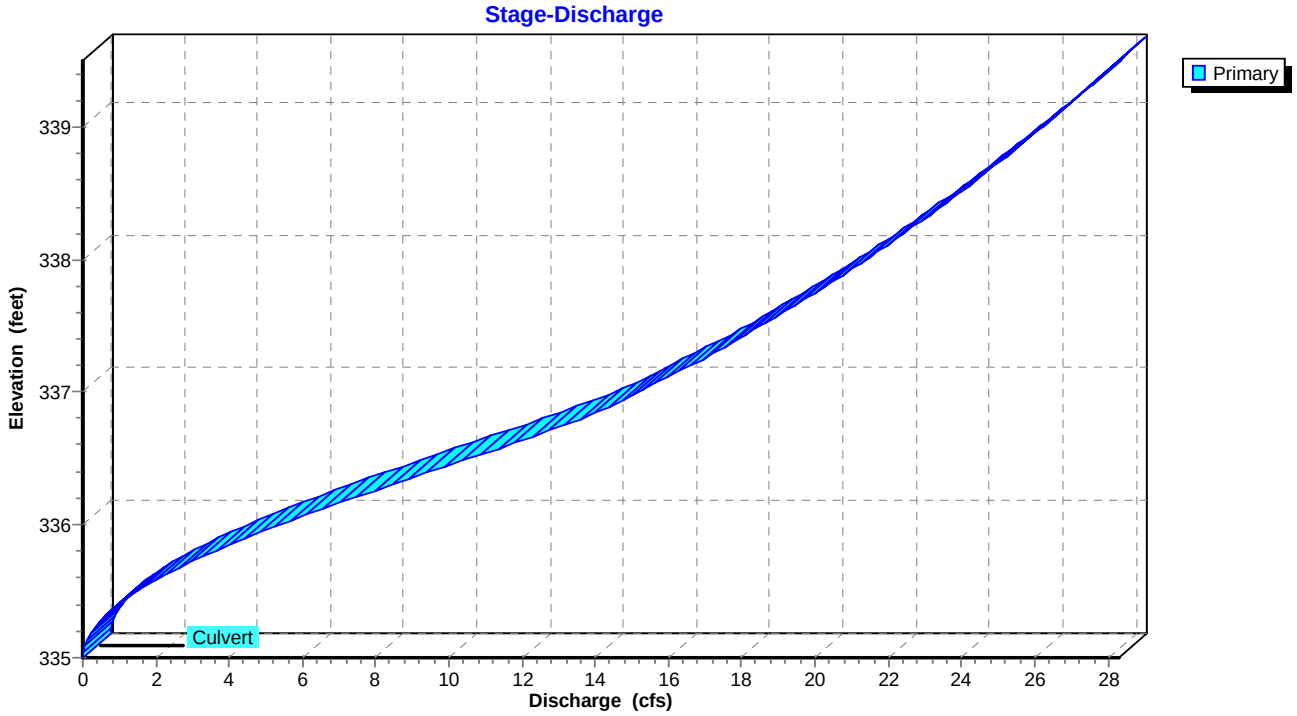
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=336.11' TW=332.67' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.38 cfs @ 3.58 fps)

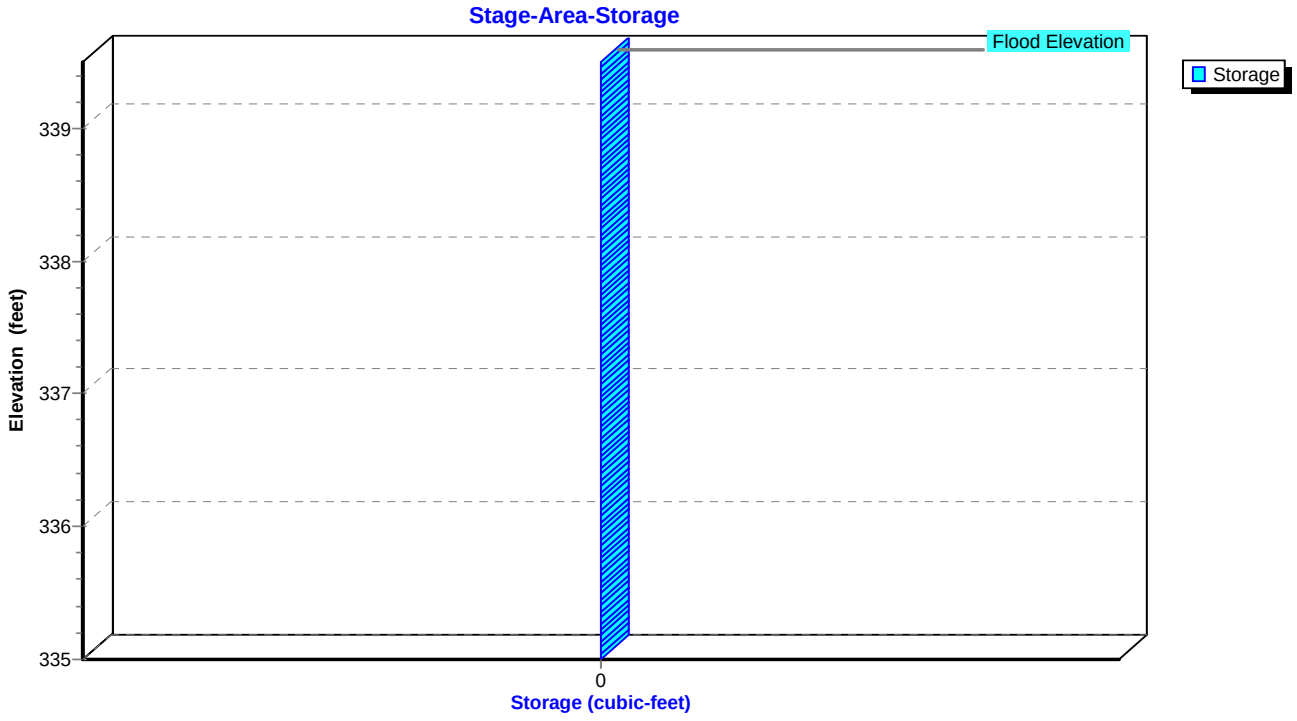
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.00	0.00
7.50	0.00	335.00	0.00
8.00	0.00	335.00	0.00
8.50	0.00	335.00	0.00
9.00	0.00	335.01	0.00
9.50	0.01	335.04	0.01
10.00	0.04	335.08	0.04
10.50	0.11	335.13	0.11
11.00	0.22	335.19	0.22
11.50	0.45	335.27	0.45
12.00	**2.51**	**335.66**	**2.51**
12.50	**4.74**	**335.94**	**4.74**
13.00	1.55	335.51	1.55
13.50	0.98	335.40	0.98
14.00	0.80	335.36	0.80
14.50	0.68	335.33	0.68
15.00	0.60	335.31	0.60
15.50	0.52	335.29	0.52
16.00	0.44	335.27	0.44
16.50	0.38	335.25	0.38
17.00	0.34	335.23	0.34
17.50	0.30	335.22	0.30
18.00	0.27	335.21	0.27
18.50	0.24	335.20	0.24
19.00	0.23	335.19	0.23
19.50	0.22	335.19	0.22
20.00	0.21	335.18	0.21
20.50	0.20	335.18	0.20
21.00	0.19	335.17	0.19
21.50	0.18	335.17	0.18
22.00	0.17	335.17	0.17
22.50	0.16	335.16	0.16
23.00	0.16	335.16	0.16
23.50	0.15	335.15	0.15
24.00	0.14	335.15	0.14

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

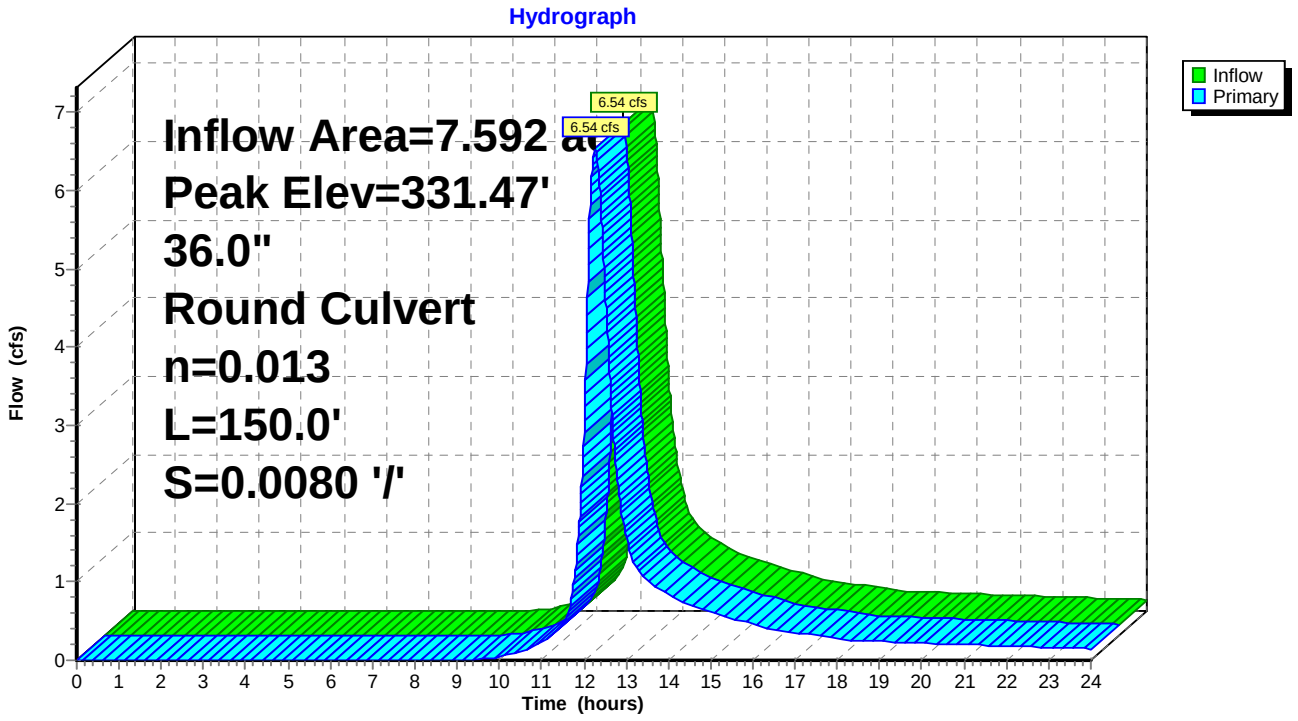
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 1.21" for 1-Year event
Inflow = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af
Outflow = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af, Atten= 0%, Lag= 0.0 min
Primary = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.47' @ 12.26 hrs
Flood Elev= 335.00'

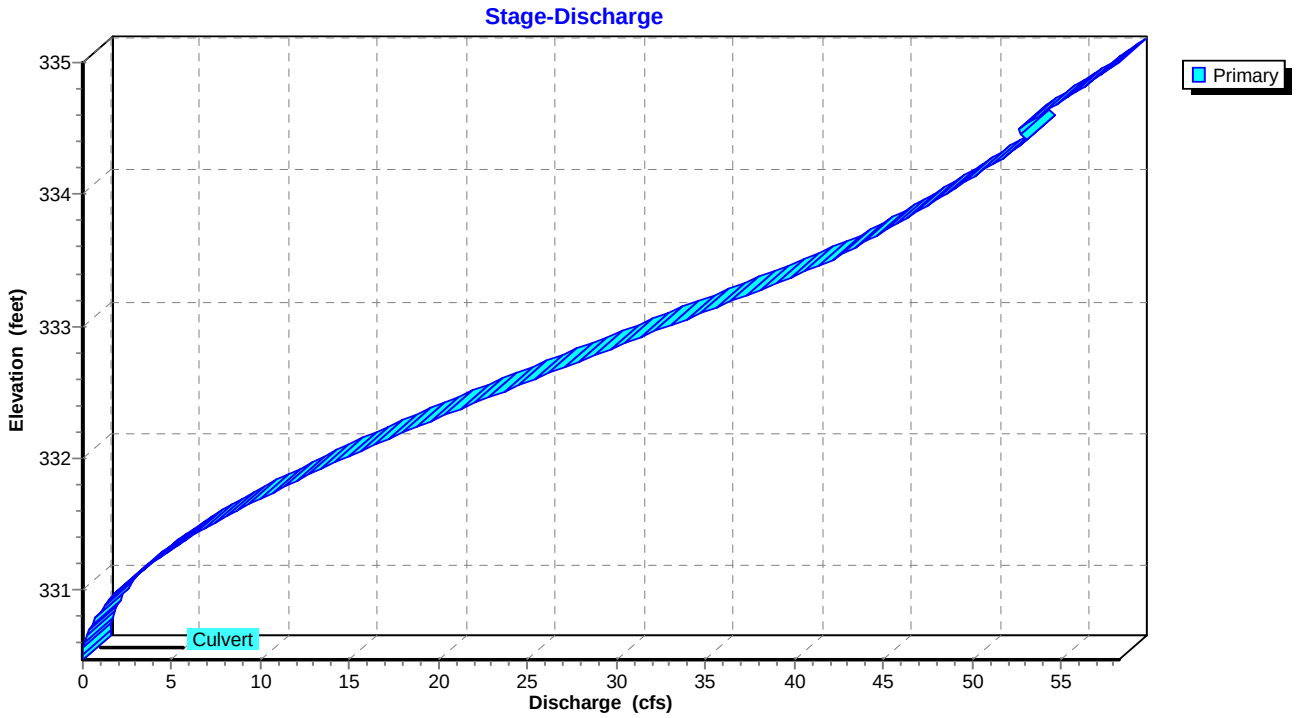
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.54 cfs @ 12.27 hrs HW=331.47' TW=330.16' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.54 cfs @ 4.76 fps)

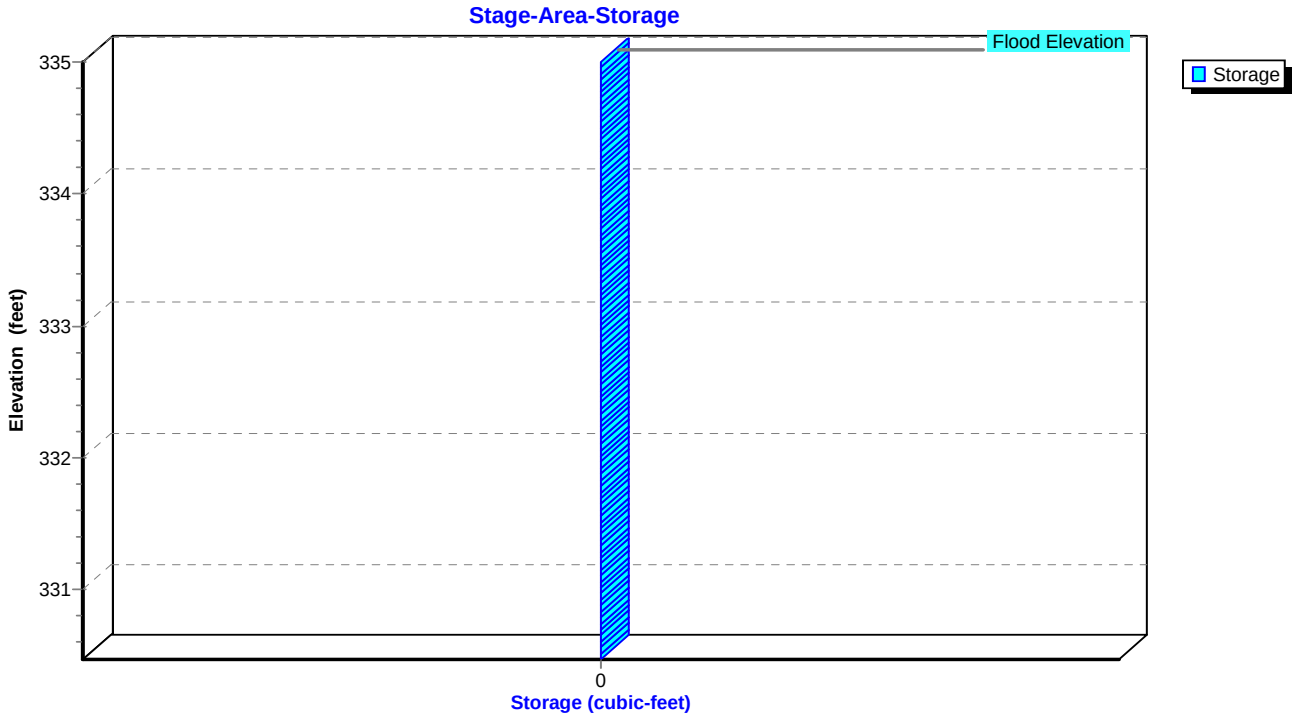
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.47	0.00
7.50	0.00	330.47	0.00
8.00	0.00	330.47	0.00
8.50	0.00	330.47	0.00
9.00	0.00	330.48	0.00
9.50	0.01	330.51	0.01
10.00	0.04	330.55	0.04
10.50	0.12	330.60	0.12
11.00	0.23	330.65	0.23
11.50	0.47	330.73	0.47
12.00	**2.90**	**331.10**	**2.90**
12.50	**4.81**	**331.30**	**4.81**
13.00	1.58	330.93	1.58
13.50	1.01	330.84	1.01
14.00	0.83	330.81	0.83
14.50	0.70	330.78	0.70
15.00	0.62	330.76	0.62
15.50	0.54	330.74	0.54
16.00	0.45	330.72	0.45
16.50	0.39	330.71	0.39
17.00	0.35	330.69	0.35
17.50	0.32	330.68	0.32
18.00	0.28	330.67	0.28
18.50	0.25	330.66	0.25
19.00	0.24	330.66	0.24
19.50	0.23	330.65	0.23
20.00	0.22	330.65	0.22
20.50	0.21	330.64	0.21
21.00	0.20	330.64	0.20
21.50	0.19	330.64	0.19
22.00	0.18	330.63	0.18
22.50	0.17	330.63	0.17
23.00	0.16	330.62	0.16
23.50	0.15	330.62	0.15
24.00	0.14	330.62	0.14

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

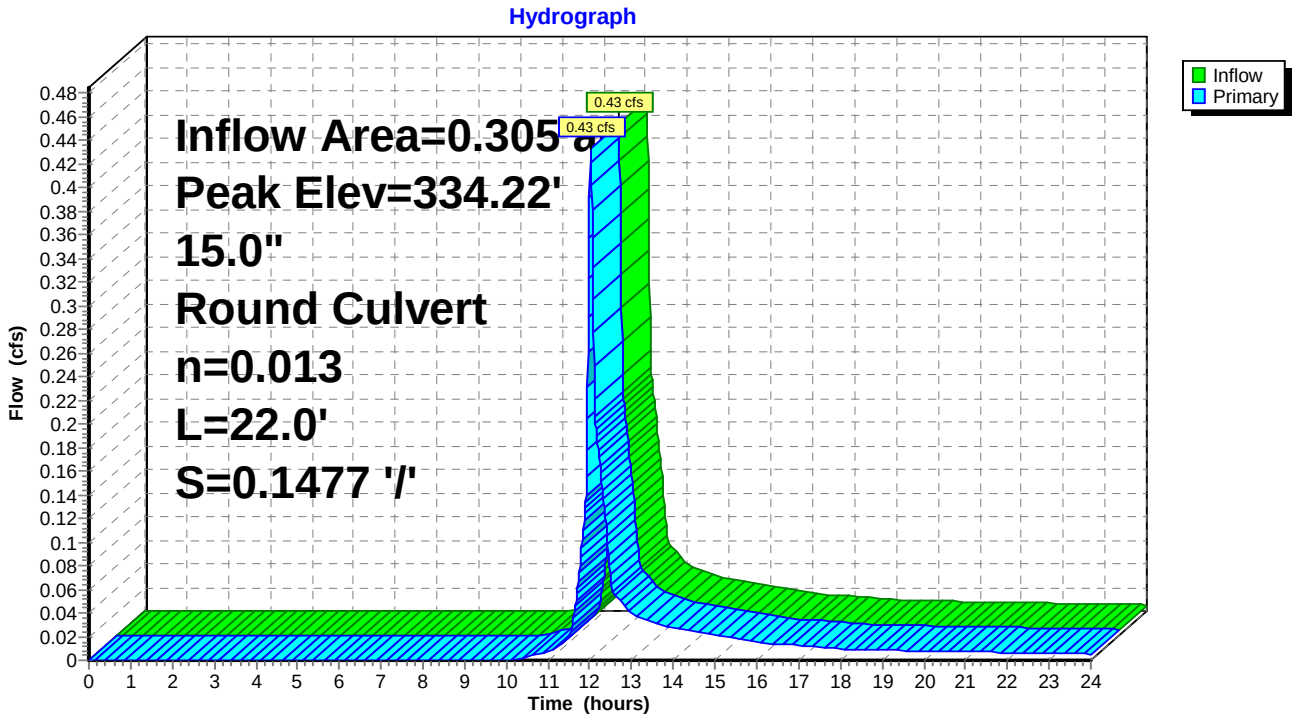
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af
Outflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.22' @ 12.02 hrs
Flood Elev= 336.50'

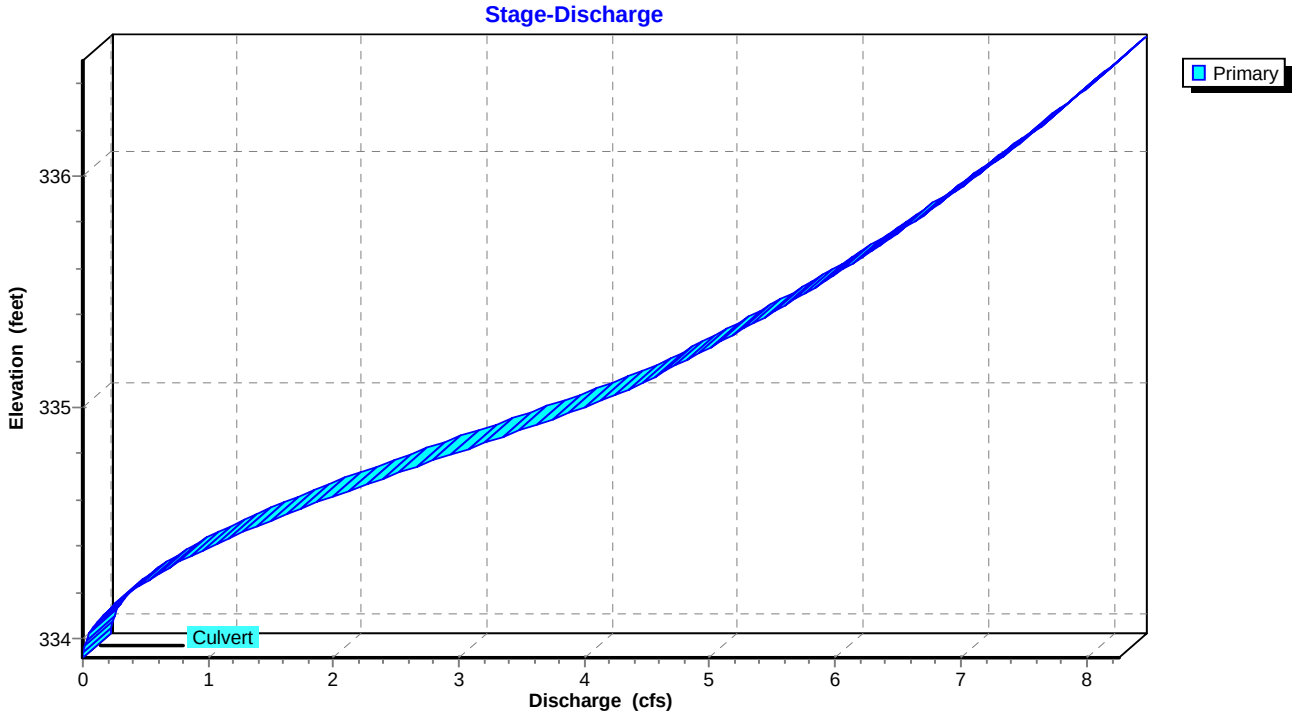
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.43 cfs @ 12.02 hrs HW=334.22' TW=331.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.43 cfs @ 1.88 fps)

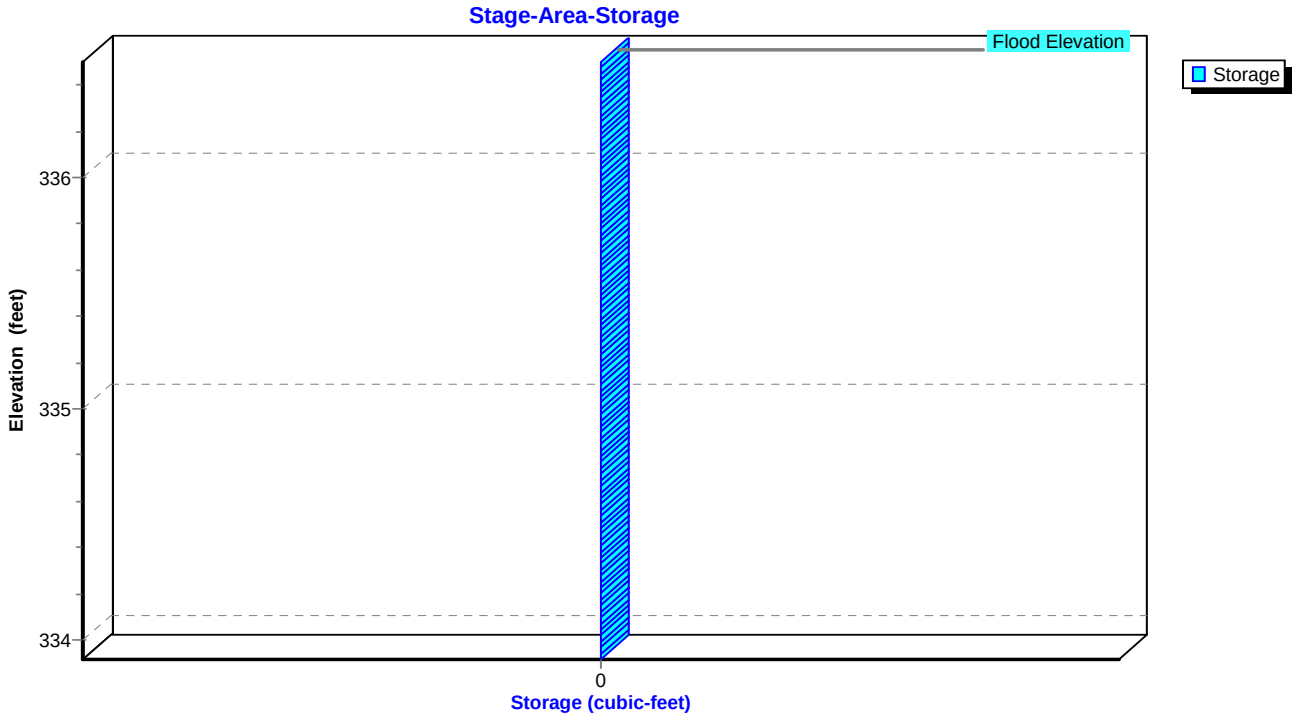
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.92	0.00
10.00	0.00	333.92	0.00
10.50	0.00	333.94	0.00
11.00	0.01	333.96	0.01
11.50	0.02	333.98	0.02
12.00	**0.39**	**334.21**	**0.39**
12.50	**0.07**	**334.04**	**0.07**
13.00	0.04	334.01	0.04
13.50	0.03	334.00	0.03
14.00	0.03	333.99	0.03
14.50	0.02	333.99	0.02
15.00	0.02	333.99	0.02
15.50	0.02	333.98	0.02
16.00	0.02	333.97	0.02
16.50	0.01	333.97	0.01
17.00	0.01	333.97	0.01
17.50	0.01	333.97	0.01
18.00	0.01	333.96	0.01
18.50	0.01	333.96	0.01
19.00	0.01	333.96	0.01
19.50	0.01	333.96	0.01
20.00	0.01	333.96	0.01
20.50	0.01	333.96	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.96	0.01
22.50	0.01	333.96	0.01
23.00	0.01	333.95	0.01
23.50	0.01	333.95	0.01
24.00	0.01	333.95	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

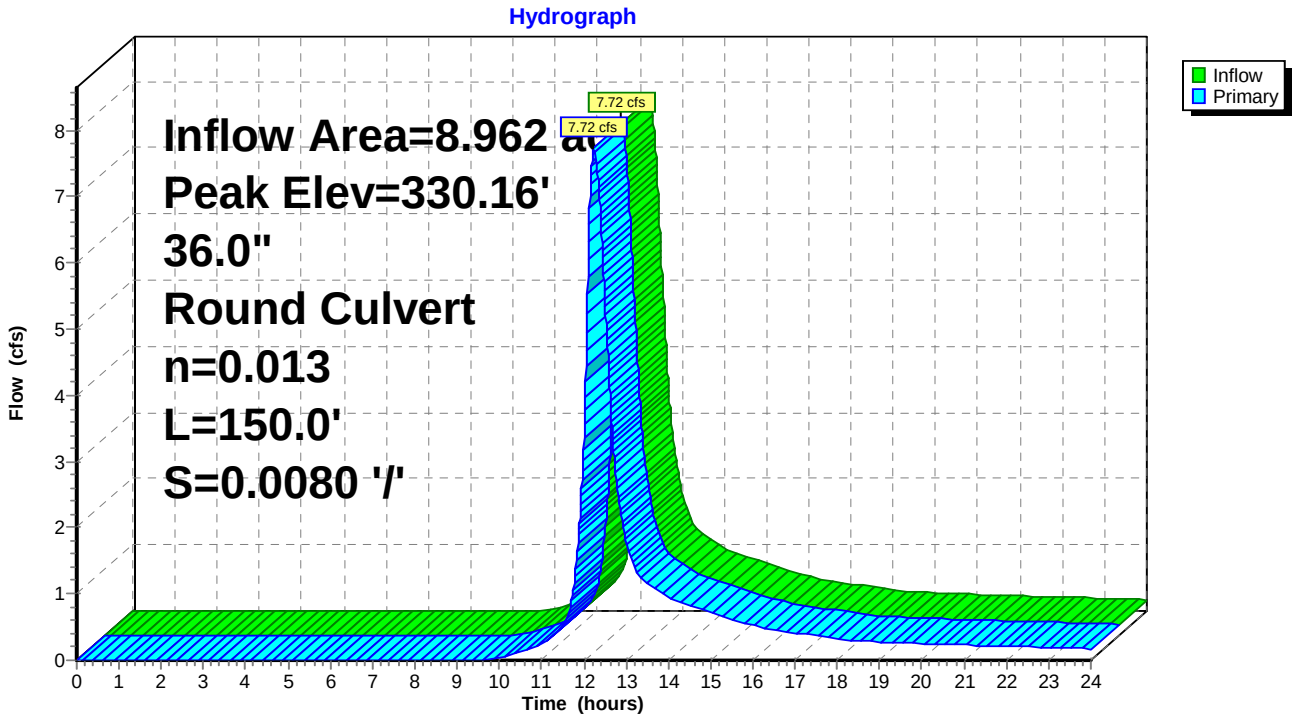
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.18" for 1-Year event
Inflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af
Outflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af, Atten= 0%, Lag= 0.0 min
Primary = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.16' @ 12.23 hrs
Flood Elev= 337.00'

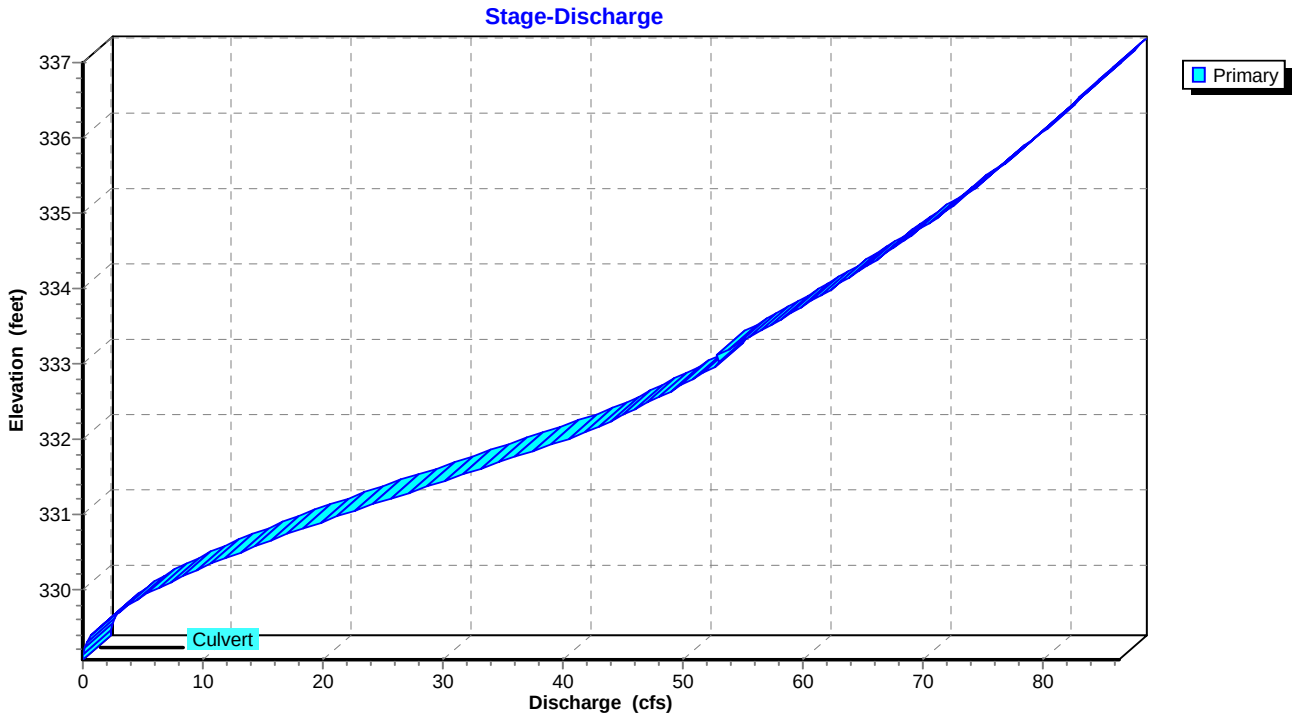
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=7.73 cfs @ 12.23 hrs HW=330.16' TW=328.82' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 7.73 cfs @ 4.96 fps)

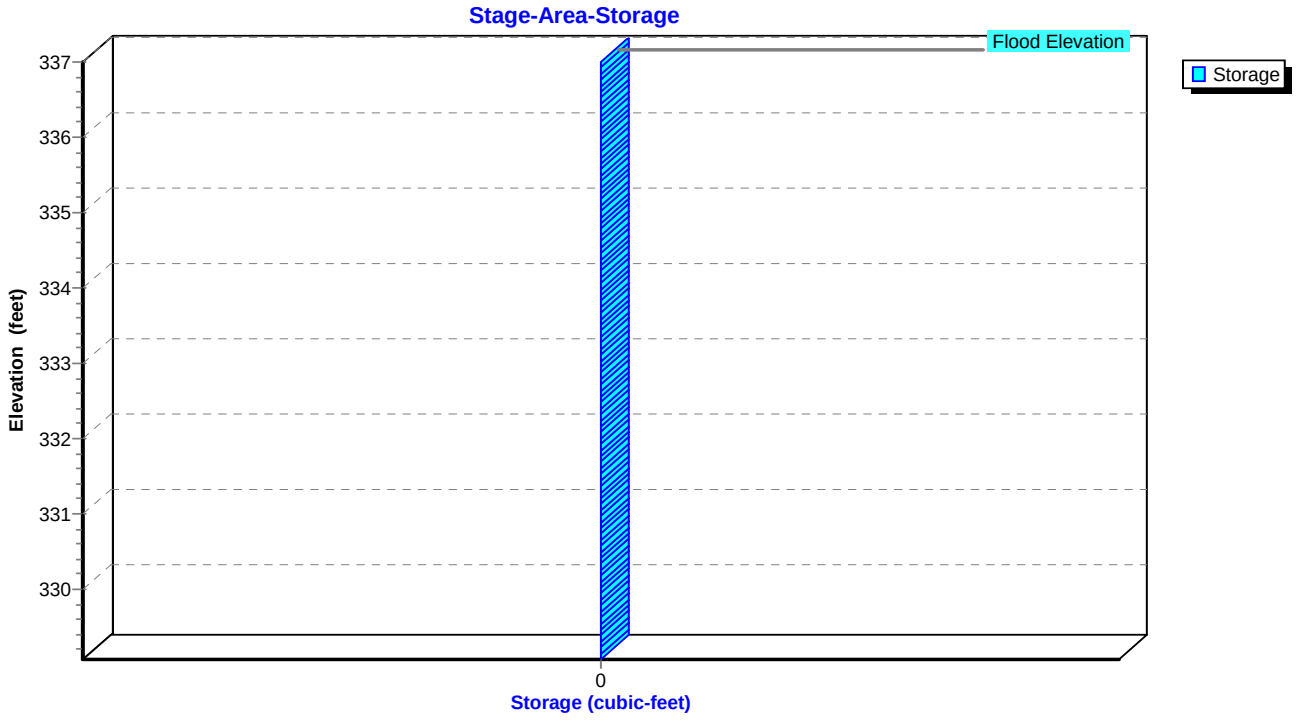
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.07	0.00
7.50	0.00	329.07	0.00
8.00	0.00	329.07	0.00
8.50	0.00	329.07	0.00
9.00	0.00	329.08	0.00
9.50	0.01	329.11	0.01
10.00	0.04	329.15	0.04
10.50	0.12	329.21	0.12
11.00	0.25	329.26	0.25
11.50	0.53	329.34	0.53
12.00	**3.37**	**329.75**	**3.37**
12.50	**5.46**	**329.96**	**5.46**
13.00	1.80	329.57	1.80
13.50	1.17	329.47	1.17
14.00	0.96	329.43	0.96
14.50	0.82	329.41	0.82
15.00	0.72	329.39	0.72
15.50	0.63	329.36	0.63
16.00	0.53	329.34	0.53
16.50	0.46	329.32	0.46
17.00	0.41	329.31	0.41
17.50	0.37	329.30	0.37
18.00	0.32	329.28	0.32
18.50	0.29	329.27	0.29
19.00	0.28	329.27	0.28
19.50	0.26	329.26	0.26
20.00	0.25	329.26	0.25
20.50	0.24	329.26	0.24
21.00	0.23	329.25	0.23
21.50	0.22	329.25	0.22
22.00	0.21	329.24	0.21
22.50	0.20	329.24	0.20
23.00	0.19	329.24	0.19
23.50	0.18	329.23	0.18
24.00	0.17	329.23	0.17

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

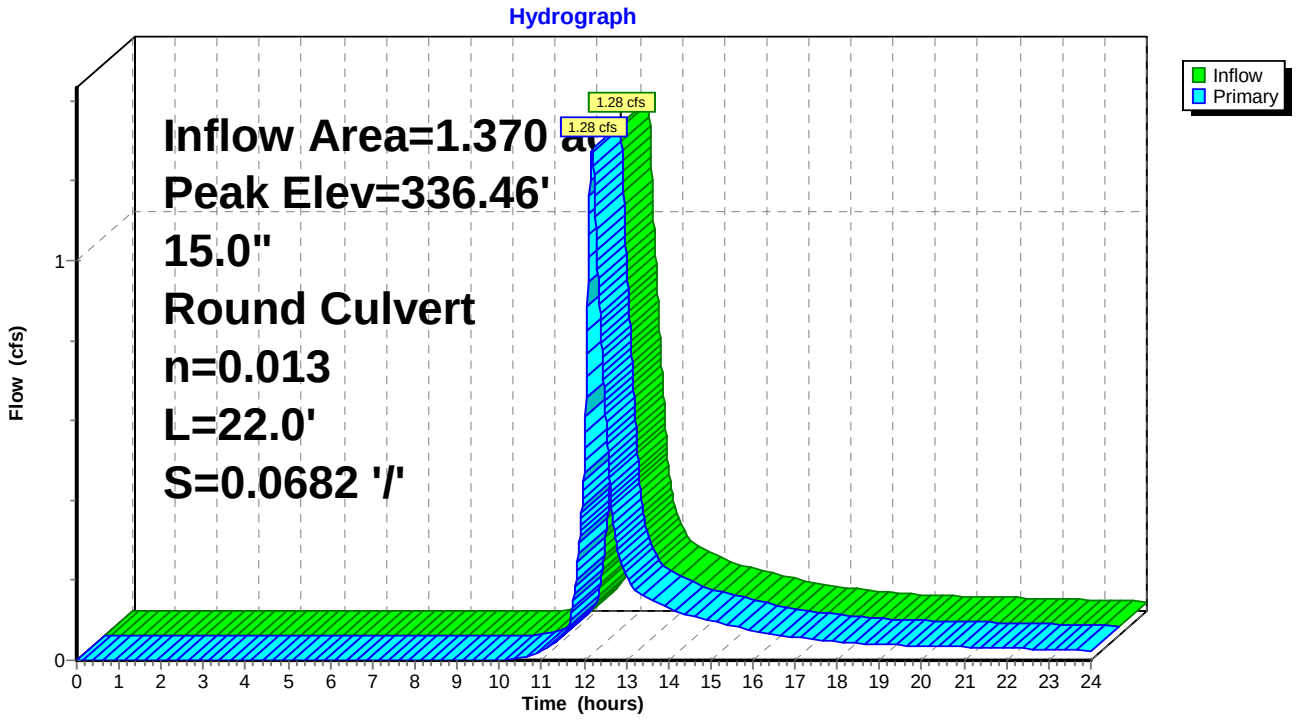
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af
Outflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.46' @ 12.19 hrs
Flood Elev= 338.50'

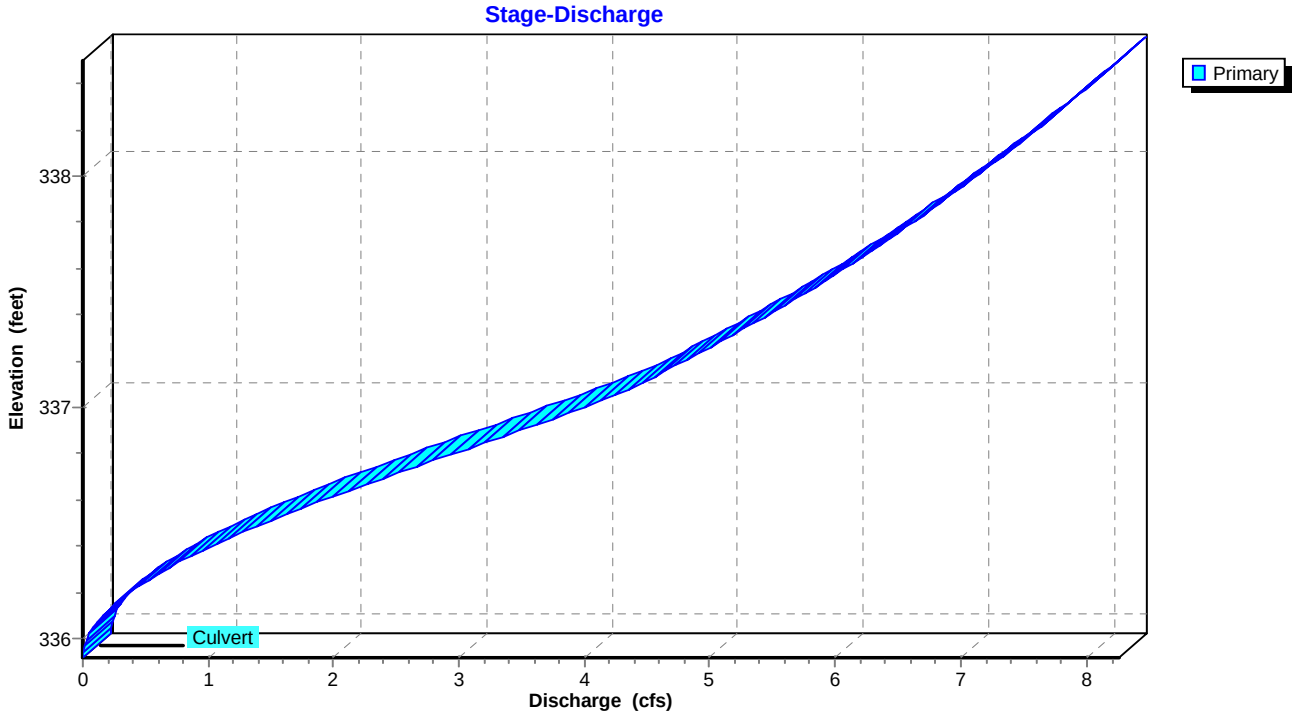
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.28 cfs @ 12.19 hrs HW=336.46' TW=330.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.28 cfs @ 2.51 fps)

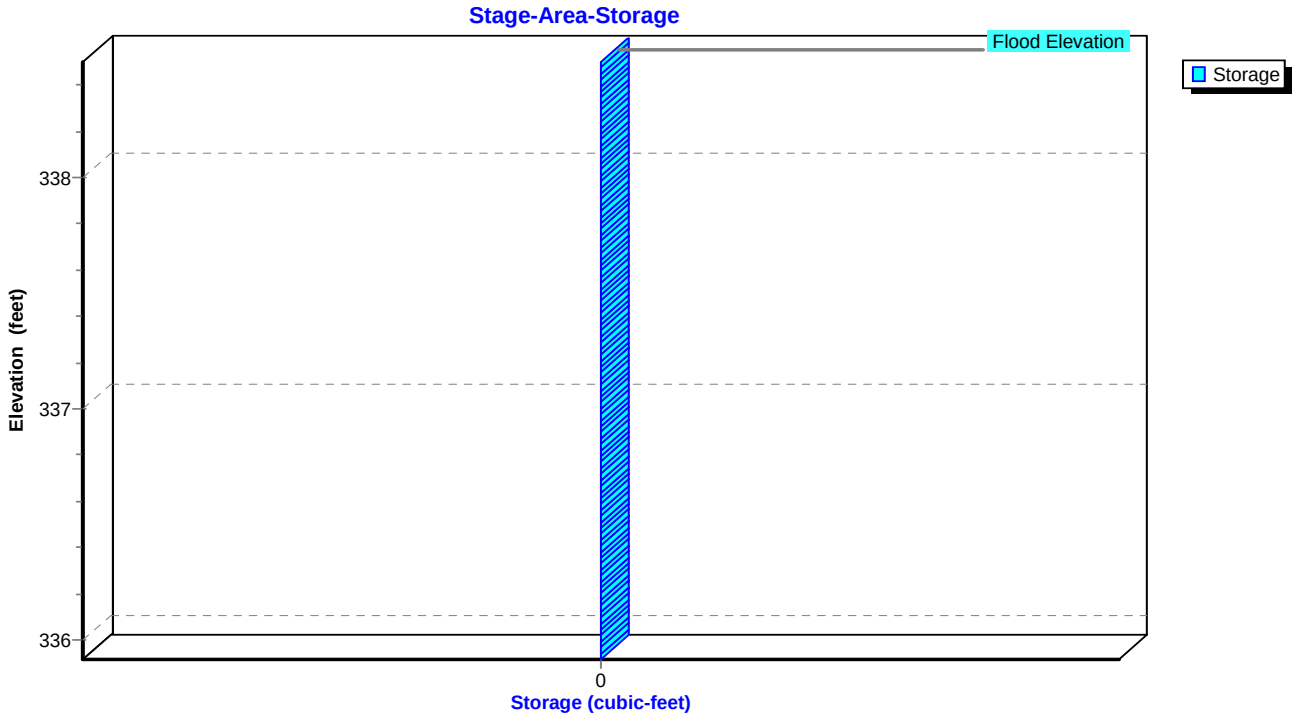
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.92	0.00
10.00	0.00	335.92	0.00
10.50	0.01	335.96	0.01
11.00	0.02	335.99	0.02
11.50	0.06	336.03	0.06
12.00	**0.47**	**336.24**	**0.47**
12.50	**0.65**	**336.30**	**0.65**
13.00	0.21	336.13	0.21
13.50	0.16	336.10	0.16
14.00	0.13	336.08	0.13
14.50	0.11	336.07	0.11
15.00	0.10	336.06	0.10
15.50	0.09	336.05	0.09
16.00	0.07	336.04	0.07
16.50	0.06	336.03	0.06
17.00	0.06	336.03	0.06
17.50	0.05	336.02	0.05
18.00	0.04	336.02	0.04
18.50	0.04	336.01	0.04
19.00	0.04	336.01	0.04
19.50	0.04	336.01	0.04
20.00	0.04	336.00	0.04
20.50	0.03	336.00	0.03
21.00	0.03	336.00	0.03
21.50	0.03	336.00	0.03
22.00	0.03	336.00	0.03
22.50	0.03	336.00	0.03
23.00	0.03	335.99	0.03
23.50	0.03	335.99	0.03
24.00	0.02	335.99	0.02

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

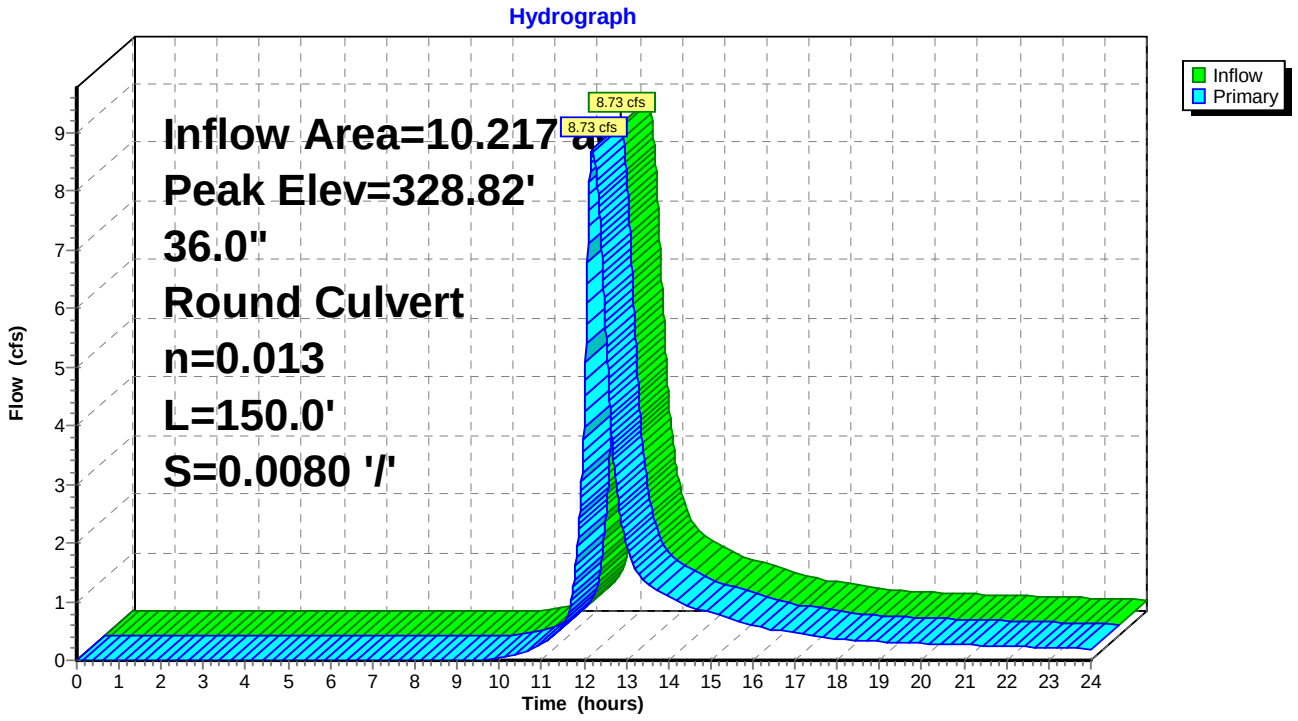
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 1.17" for 1-Year event
Inflow = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af
Outflow = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af, Atten= 0%, Lag= 0.0 min
Primary = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.82' @ 12.21 hrs
Flood Elev= 335.75'

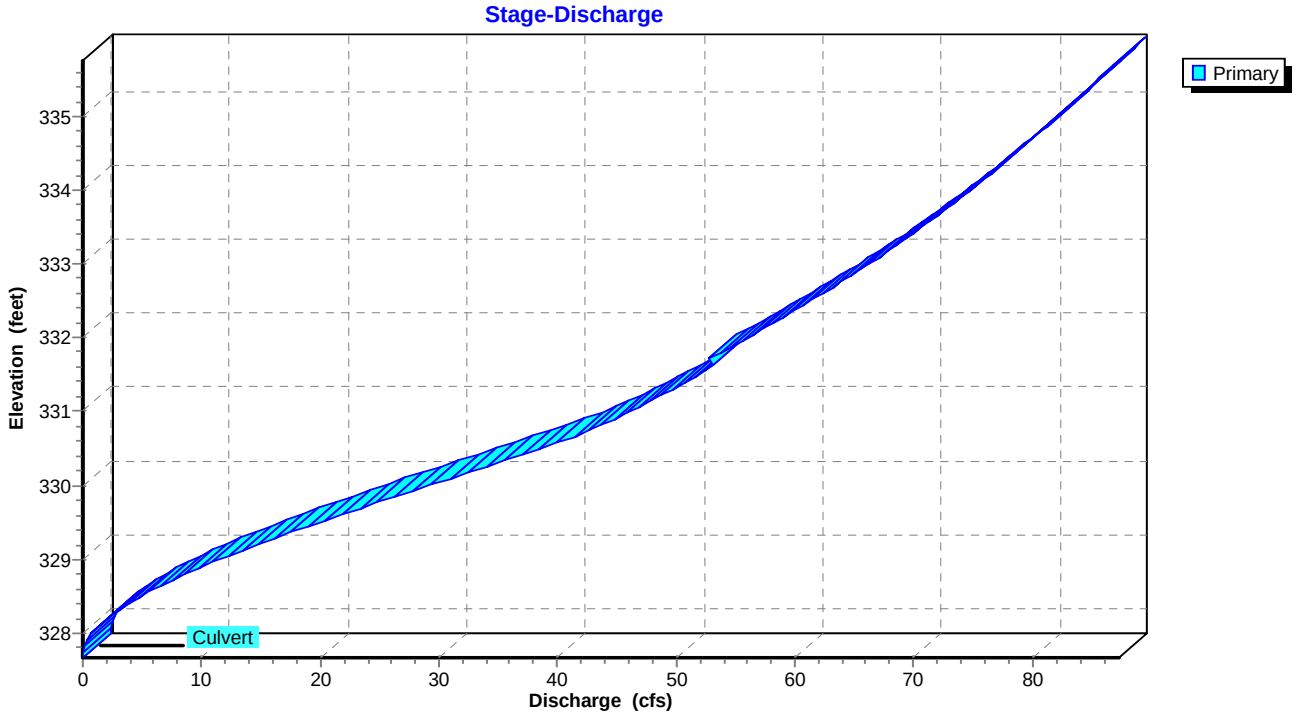
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.73 cfs @ 12.21 hrs HW=328.82' TW=327.42' (Dynamic Tailwater)
1=Culvert (Outlet Controls 8.73 cfs @ 5.17 fps)

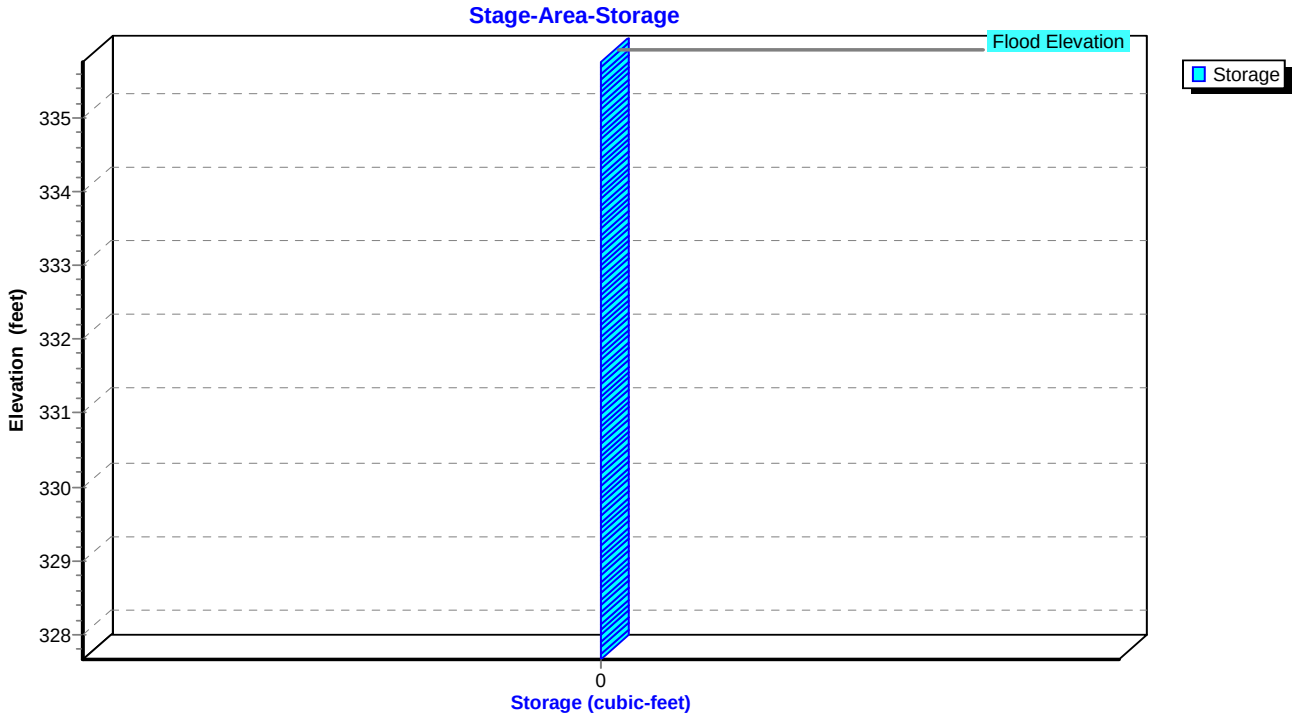
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.67	0.00
7.50	0.00	327.67	0.00
8.00	0.00	327.67	0.00
8.50	0.00	327.67	0.00
9.00	0.00	327.68	0.00
9.50	0.01	327.71	0.01
10.00	0.04	327.75	0.04
10.50	0.13	327.81	0.13
11.00	0.28	327.87	0.28
11.50	0.59	327.96	0.59
12.00	**3.99**	**328.42**	**3.99**
12.50	**5.92**	**328.60**	**5.92**
13.00	1.98	328.19	1.98
13.50	1.31	328.09	1.31
14.00	1.08	328.05	1.08
14.50	0.92	328.03	0.92
15.00	0.81	328.00	0.81
15.50	0.70	327.98	0.70
16.00	0.59	327.96	0.59
16.50	0.51	327.94	0.51
17.00	0.46	327.92	0.46
17.50	0.41	327.91	0.41
18.00	0.36	327.90	0.36
18.50	0.33	327.89	0.33
19.00	0.31	327.88	0.31
19.50	0.30	327.88	0.30
20.00	0.28	327.87	0.28
20.50	0.27	327.87	0.27
21.00	0.26	327.86	0.26
21.50	0.25	327.86	0.25
22.00	0.24	327.85	0.24
22.50	0.23	327.85	0.23
23.00	0.21	327.85	0.21
23.50	0.20	327.84	0.20
24.00	0.19	327.84	0.19

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

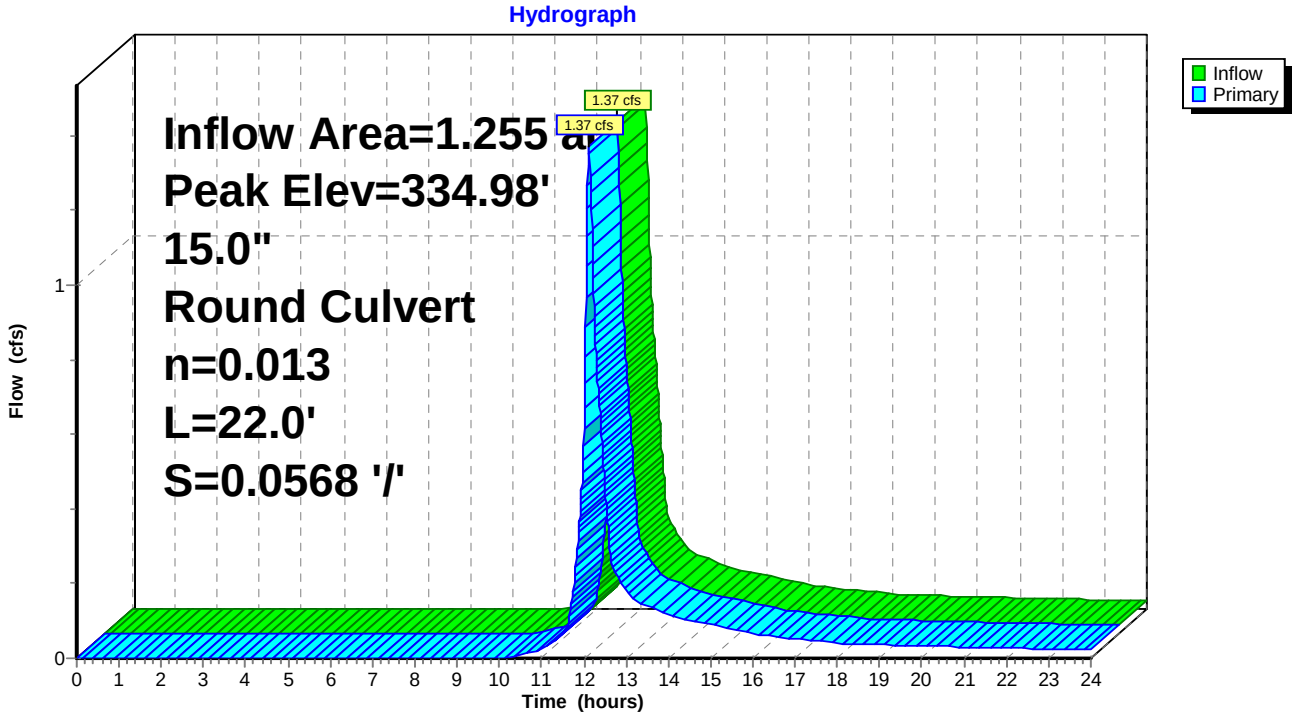
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af
Outflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.98' @ 12.13 hrs
Flood Elev= 337.00'

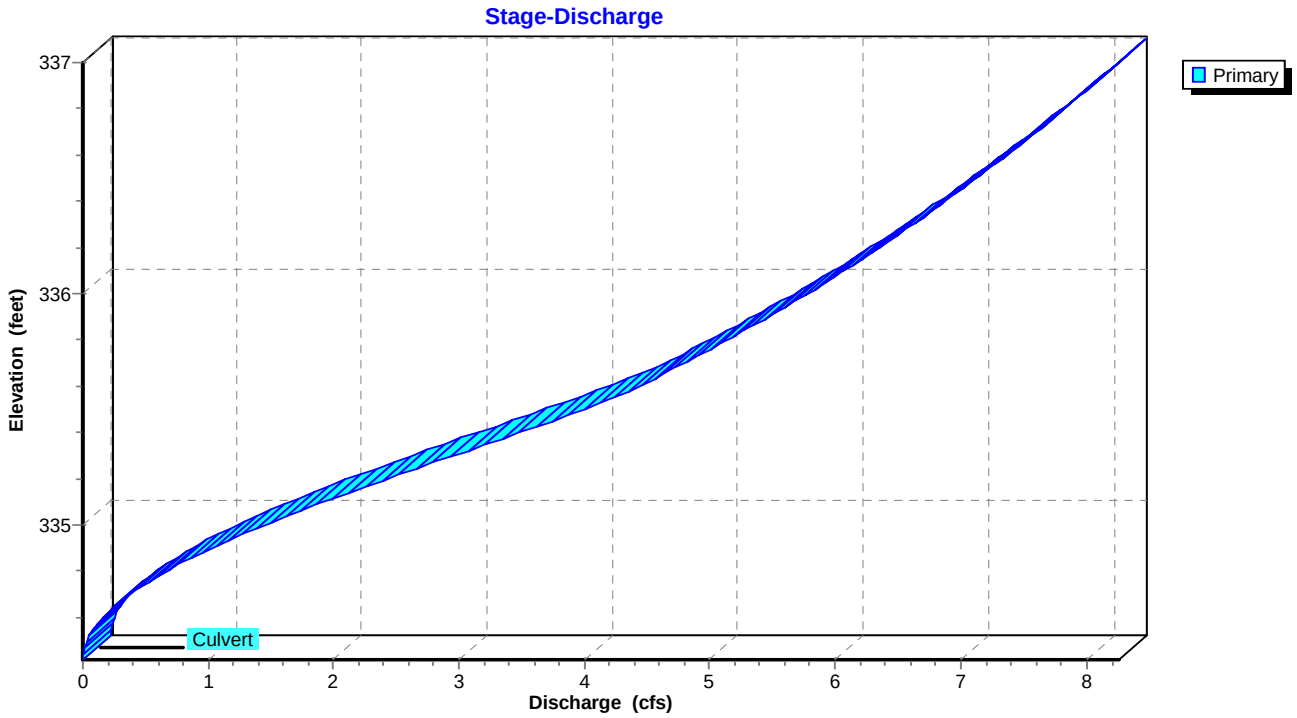
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.37 cfs @ 12.13 hrs HW=334.98' TW=328.75' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.37 cfs @ 2.55 fps)

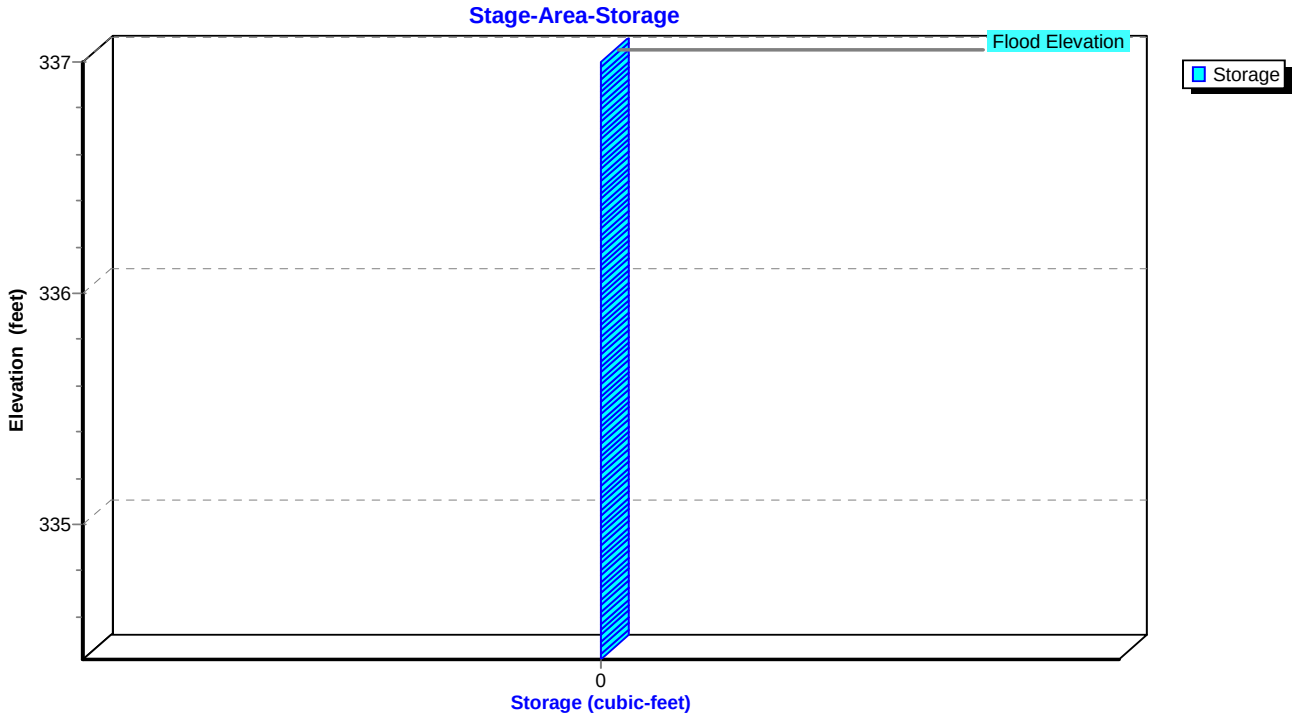
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.42	0.00
10.00	0.00	334.42	0.00
10.50	0.01	334.46	0.01
11.00	0.02	334.49	0.02
11.50	0.07	334.53	0.07
12.00	**0.62**	**334.79**	**0.62**
12.50	**0.46**	**334.74**	**0.46**
13.00	0.18	334.61	0.18
13.50	0.14	334.59	0.14
14.00	0.12	334.57	0.12
14.50	0.10	334.56	0.10
15.00	0.09	334.56	0.09
15.50	0.08	334.55	0.08
16.00	0.06	334.53	0.06
16.50	0.06	334.53	0.06
17.00	0.05	334.52	0.05
17.50	0.05	334.52	0.05
18.00	0.04	334.51	0.04
18.50	0.04	334.51	0.04
19.00	0.04	334.50	0.04
19.50	0.03	334.50	0.03
20.00	0.03	334.50	0.03
20.50	0.03	334.50	0.03
21.00	0.03	334.50	0.03
21.50	0.03	334.50	0.03
22.00	0.03	334.49	0.03
22.50	0.03	334.49	0.03
23.00	0.02	334.49	0.02
23.50	0.02	334.49	0.02
24.00	0.02	334.49	0.02

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

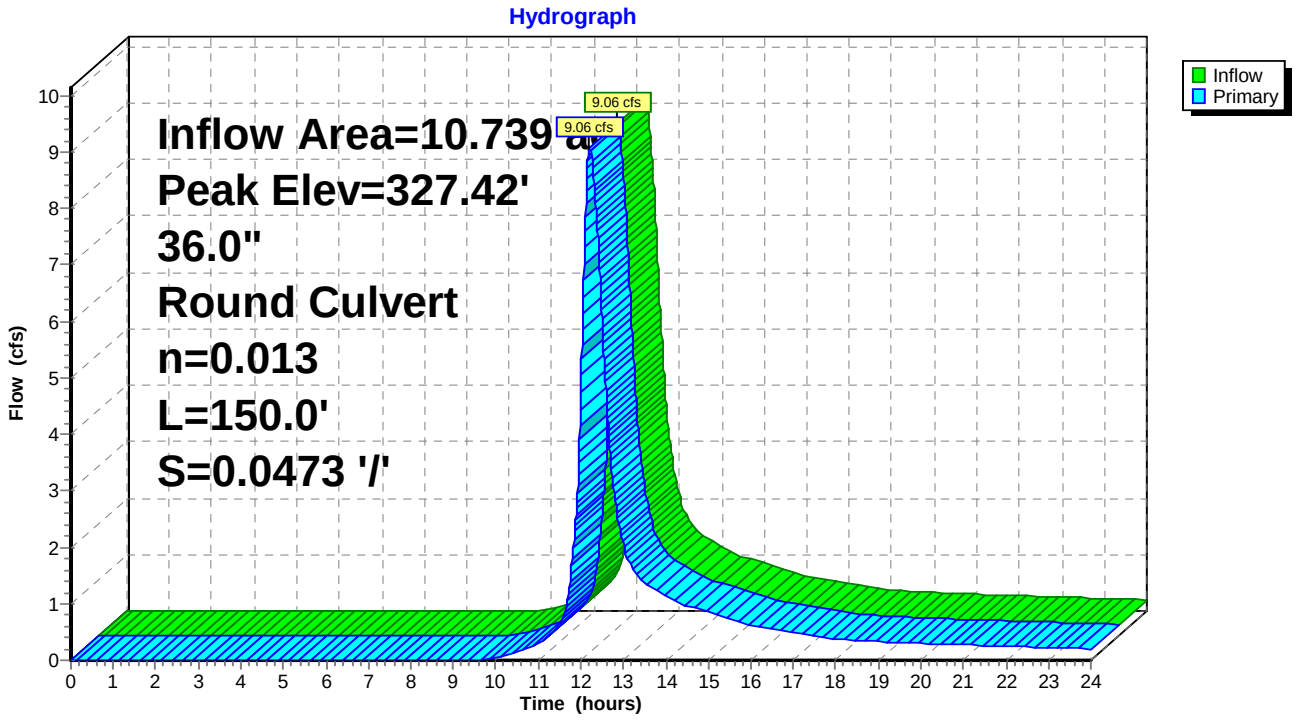
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 1.17" for 1-Year event
Inflow = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af
Outflow = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af, Atten= 0%, Lag= 0.0 min
Primary = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 327.42' @ 12.20 hrs
Flood Elev= 332.25'

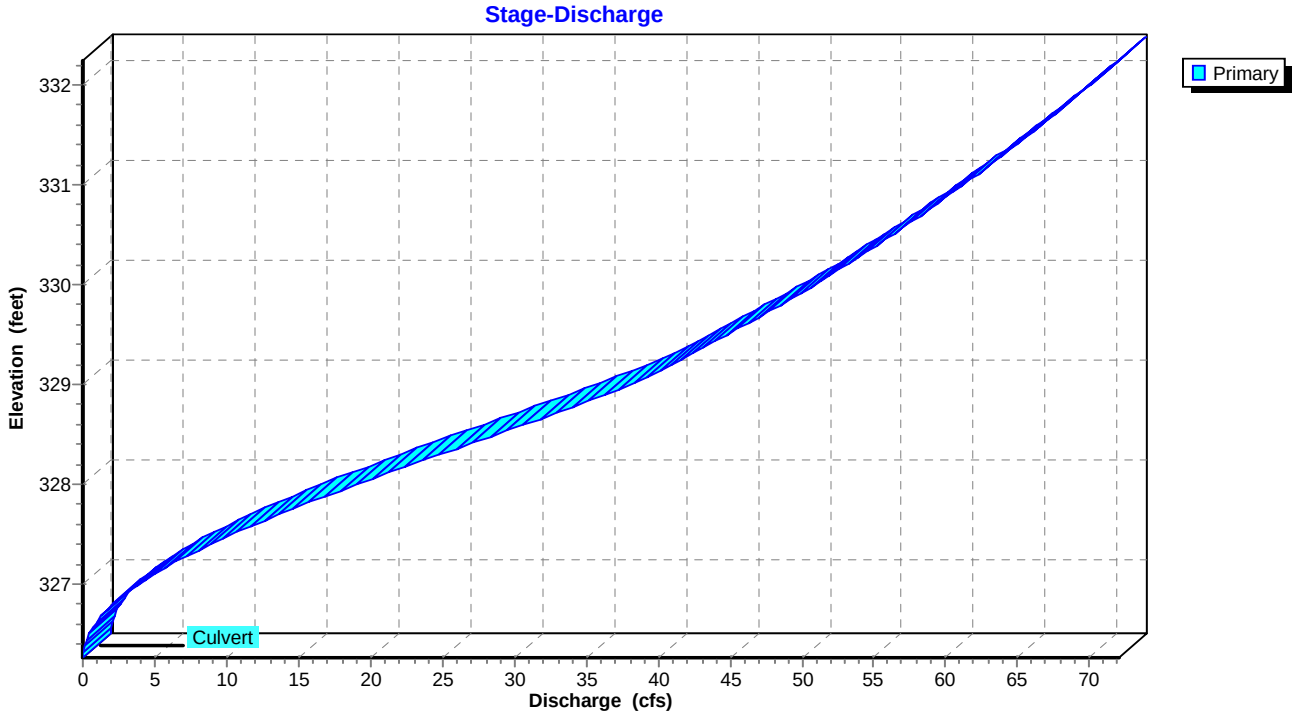
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.06 cfs @ 12.20 hrs HW=327.42' TW=320.16' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 9.06 cfs @ 3.65 fps)

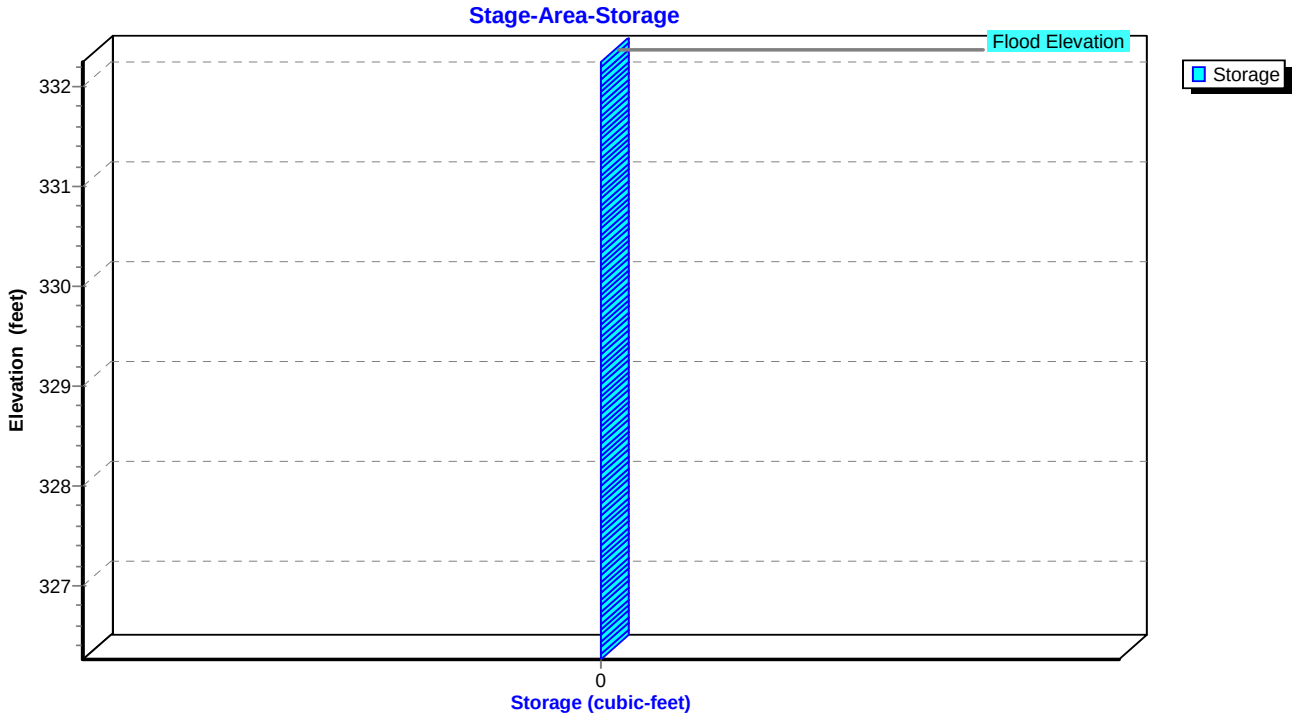
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.27	0.00
7.50	0.00	326.27	0.00
8.00	0.00	326.27	0.00
8.50	0.00	326.27	0.00
9.00	0.00	326.28	0.00
9.50	0.01	326.30	0.01
10.00	0.05	326.35	0.05
10.50	0.14	326.40	0.14
11.00	0.29	326.47	0.29
11.50	0.64	326.56	0.64
12.00	**4.74**	**327.08**	**4.74**
12.50	**6.05**	**327.19**	**6.05**
13.00	2.05	326.80	2.05
13.50	1.37	326.70	1.37
14.00	1.13	326.66	1.13
14.50	0.96	326.63	0.96
15.00	0.85	326.60	0.85
15.50	0.74	326.58	0.74
16.00	0.62	326.56	0.62
16.50	0.54	326.54	0.54
17.00	0.48	326.52	0.48
17.50	0.43	326.51	0.43
18.00	0.38	326.49	0.38
18.50	0.35	326.48	0.35
19.00	0.33	326.48	0.33
19.50	0.31	326.47	0.31
20.00	0.30	326.47	0.30
20.50	0.28	326.46	0.28
21.00	0.27	326.46	0.27
21.50	0.26	326.45	0.26
22.00	0.25	326.45	0.25
22.50	0.24	326.44	0.24
23.00	0.22	326.44	0.22
23.50	0.21	326.44	0.21
24.00	0.20	326.43	0.20

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

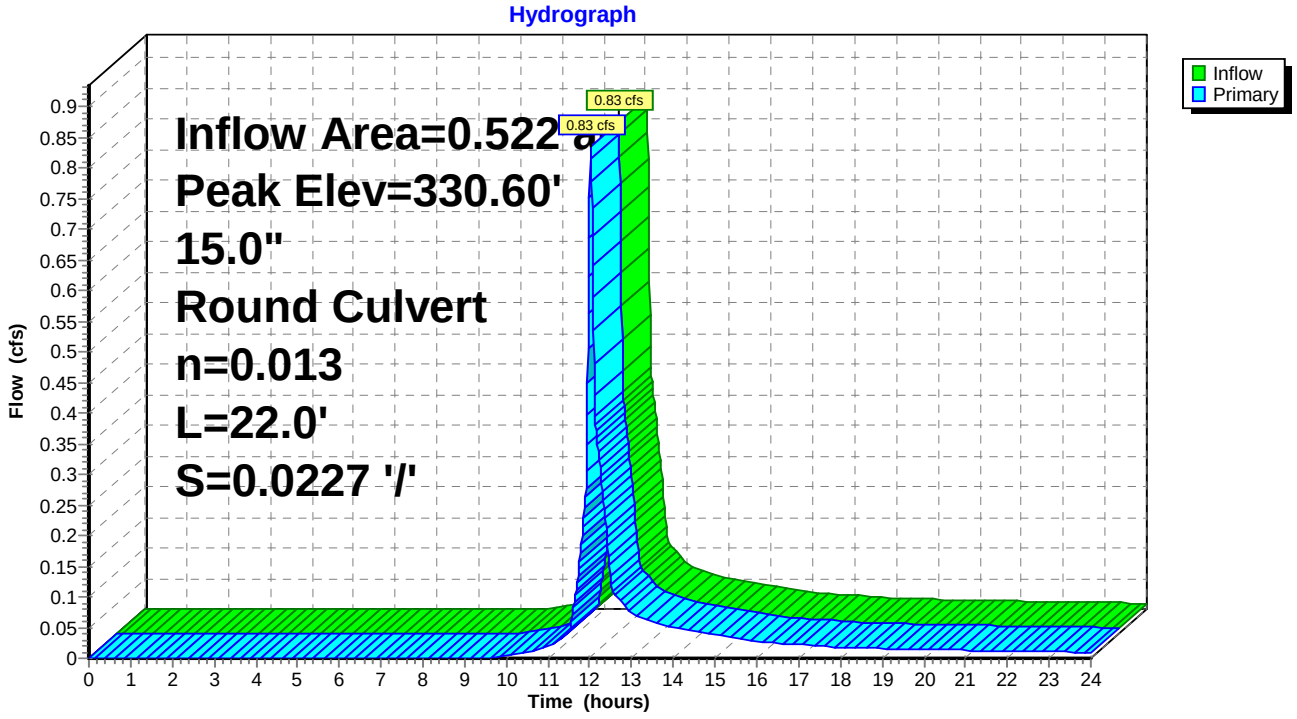
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af
Outflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.60' @ 12.02 hrs
Flood Elev= 332.80'

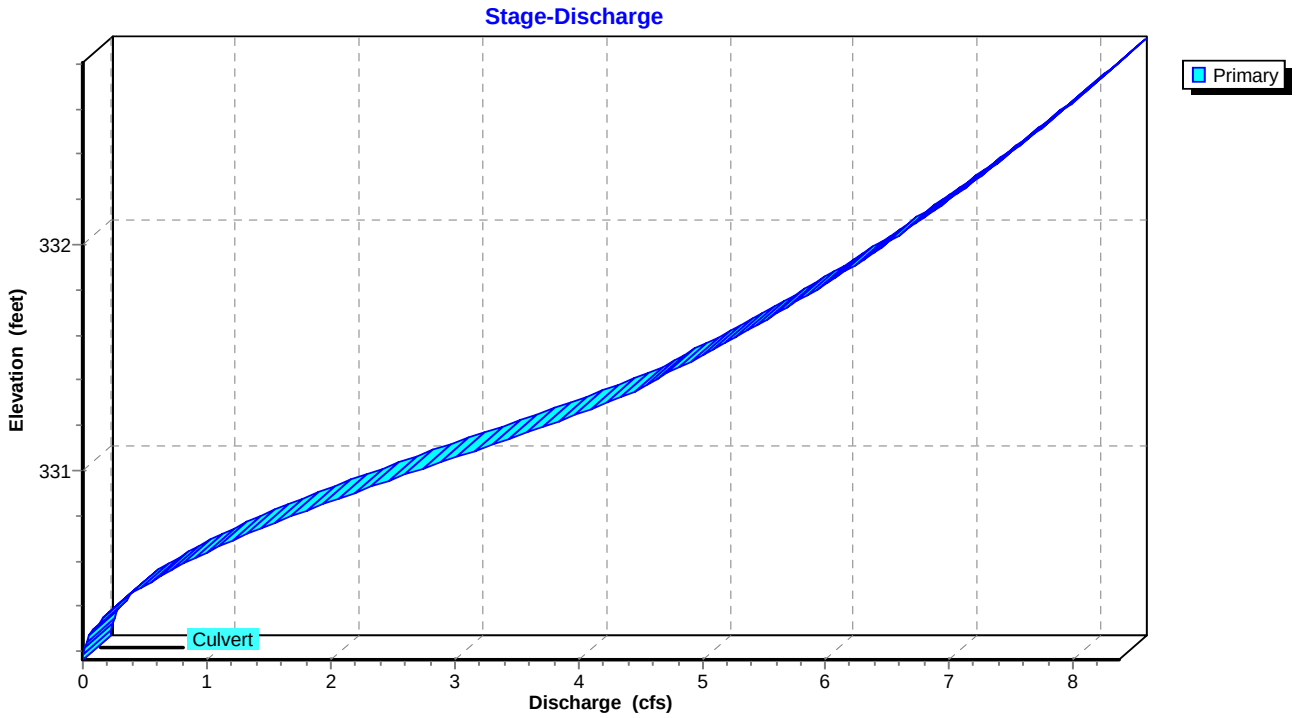
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.83 cfs @ 12.02 hrs HW=330.60' TW=327.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.83 cfs @ 2.23 fps)

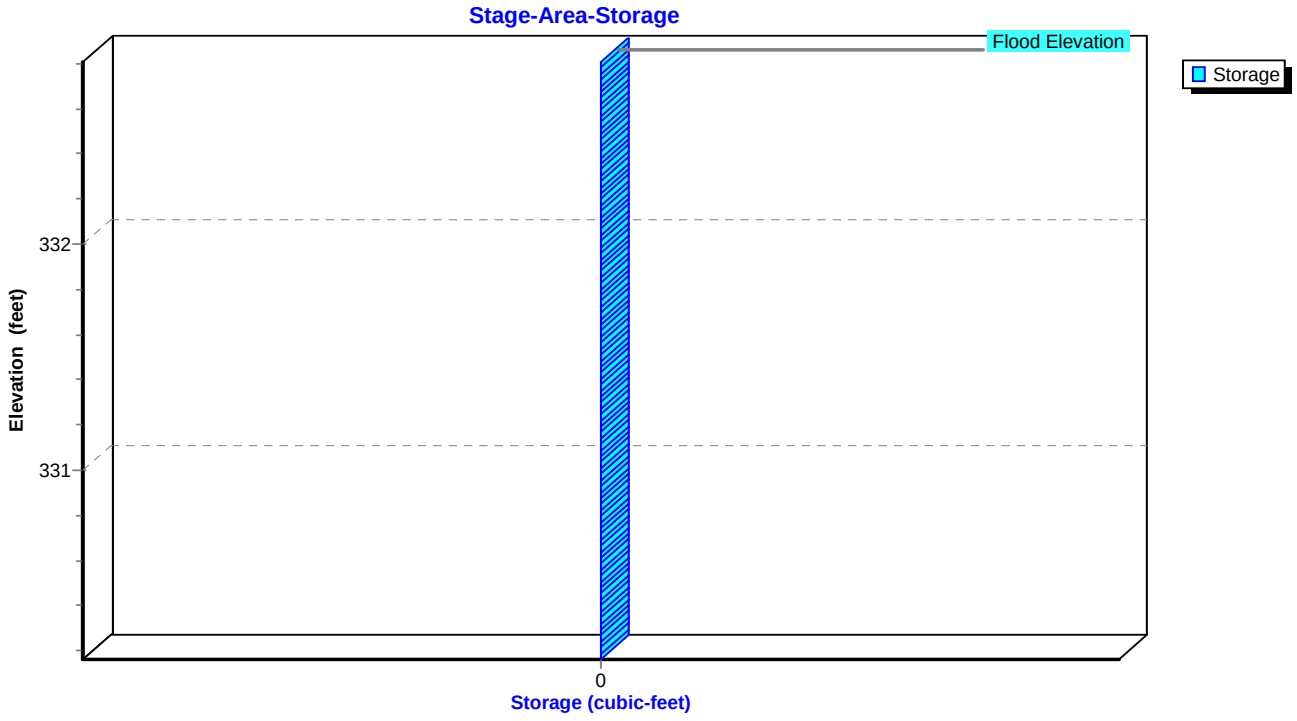
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.17	0.00
9.50	0.00	330.17	0.00
10.00	0.00	330.20	0.00
10.50	0.01	330.21	0.01
11.00	0.02	330.23	0.02
11.50	0.04	330.26	0.04
12.00	**0.75**	**330.58**	**0.75**
12.50	**0.12**	**330.33**	**0.12**
13.00	0.07	330.29	0.07
13.50	0.06	330.28	0.06
14.00	0.05	330.27	0.05
14.50	0.04	330.26	0.04
15.00	0.04	330.26	0.04
15.50	0.03	330.25	0.03
16.00	0.03	330.24	0.03
16.50	0.02	330.24	0.02
17.00	0.02	330.24	0.02
17.50	0.02	330.23	0.02
18.00	0.02	330.23	0.02
18.50	0.02	330.23	0.02
19.00	0.02	330.23	0.02
19.50	0.01	330.22	0.01
20.00	0.01	330.22	0.01
20.50	0.01	330.22	0.01
21.00	0.01	330.22	0.01
21.50	0.01	330.22	0.01
22.00	0.01	330.22	0.01
22.50	0.01	330.22	0.01
23.00	0.01	330.22	0.01
23.50	0.01	330.21	0.01
24.00	0.01	330.21	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

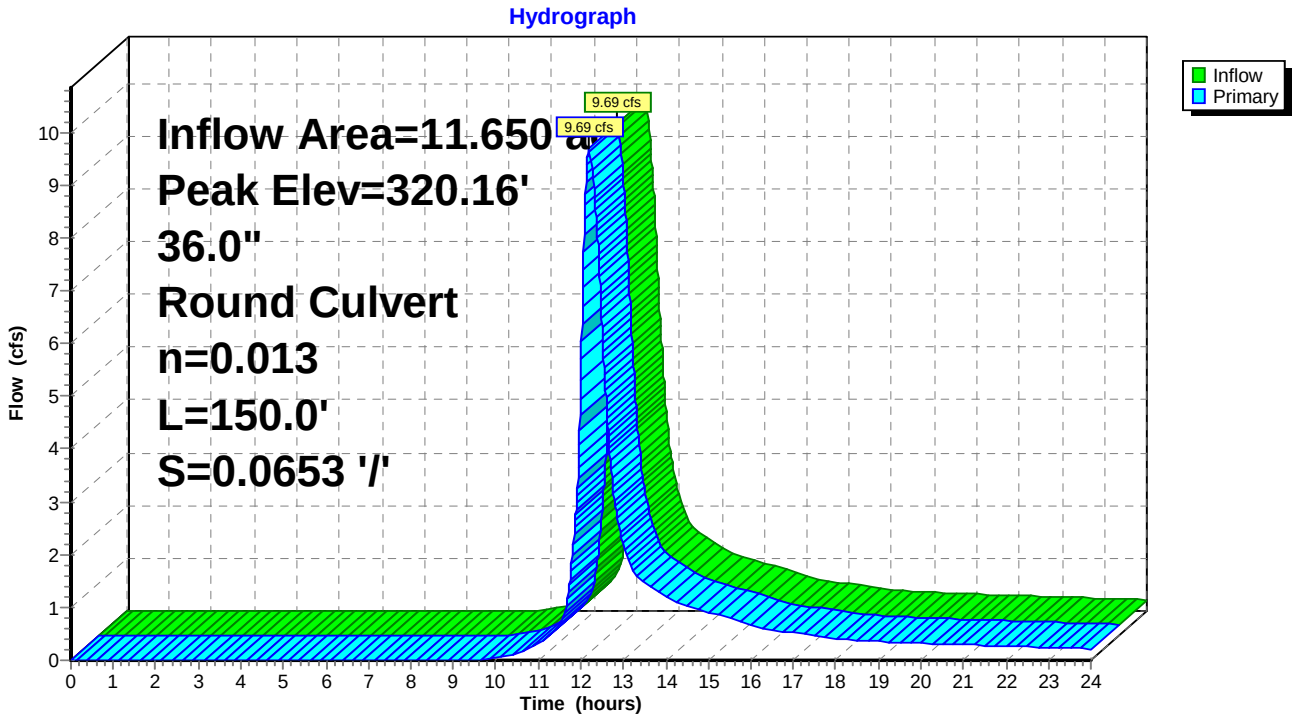
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 1.15" for 1-Year event
Inflow = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af
Outflow = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af, Atten= 0%, Lag= 0.0 min
Primary = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.16' @ 12.19 hrs
Flood Elev= 338.50'

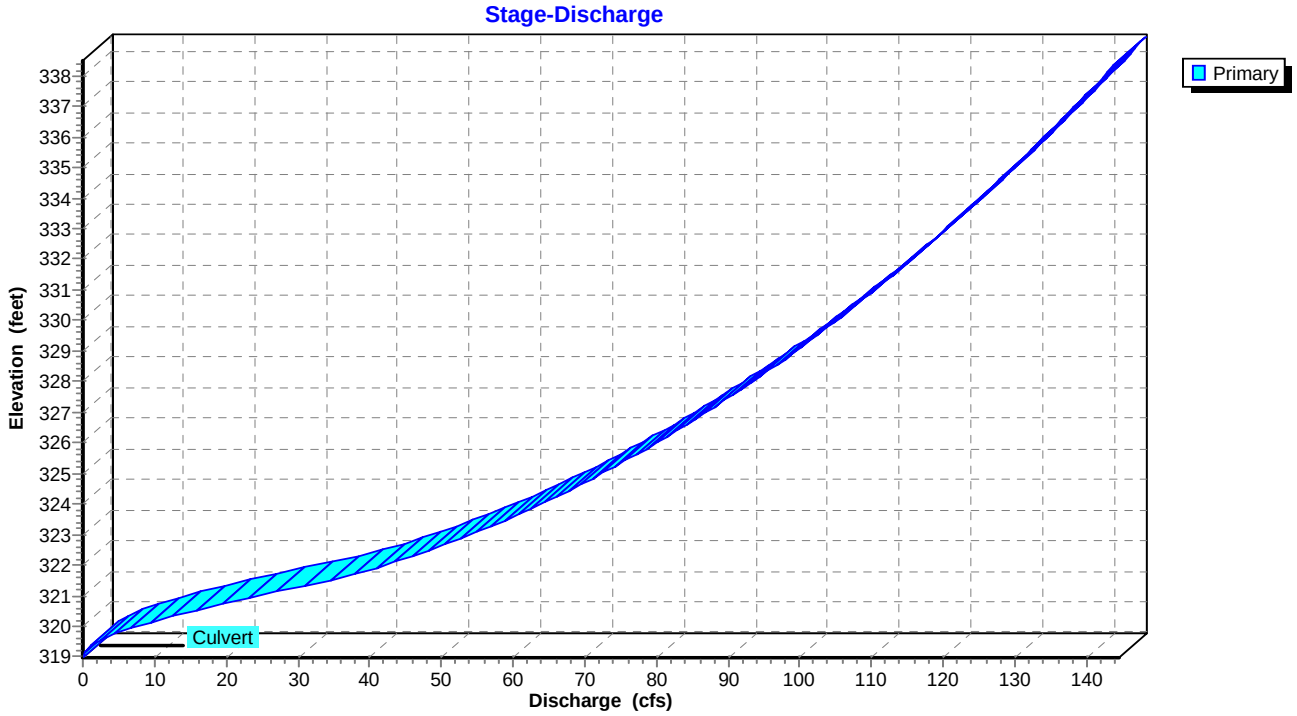
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.69 cfs @ 12.19 hrs HW=320.16' TW=310.19' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.69 cfs @ 3.71 fps)

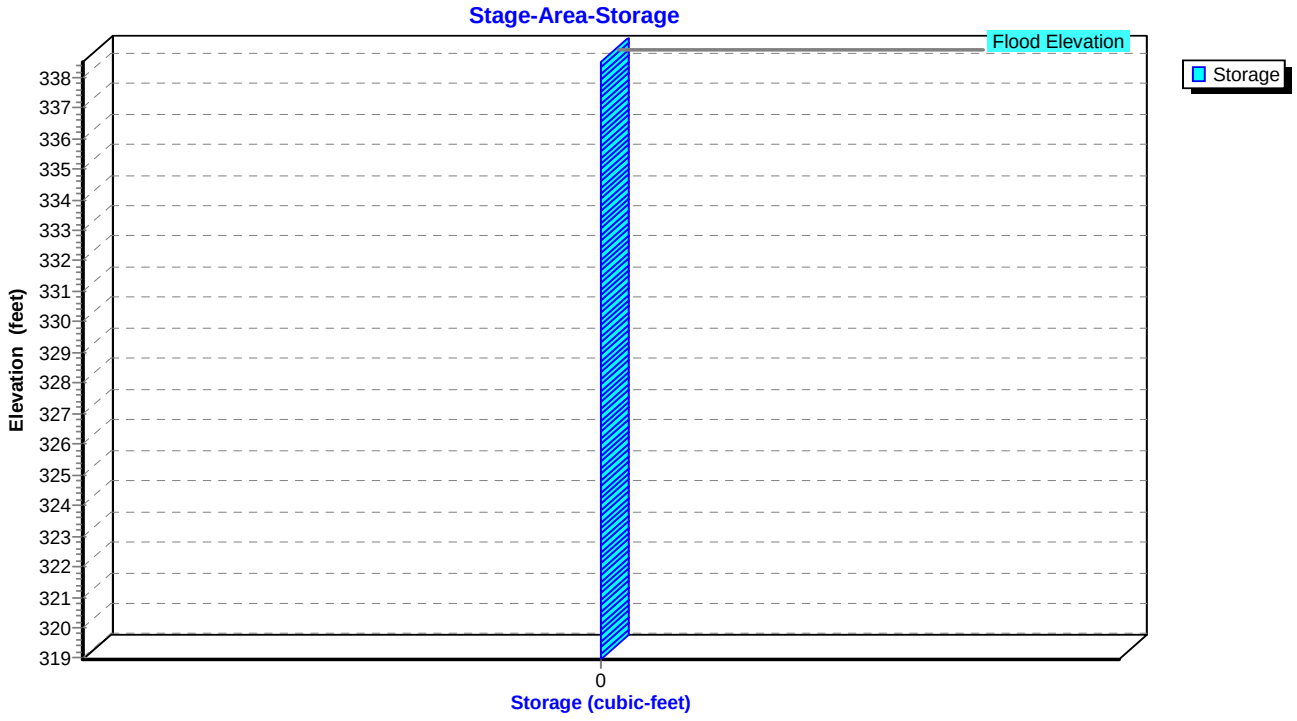
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.00	318.97	0.00
8.00	0.00	318.97	0.00
8.50	0.00	318.97	0.00
9.00	0.00	318.97	0.00
9.50	0.01	319.00	0.01
10.00	0.05	319.05	0.05
10.50	0.14	319.11	0.14
11.00	0.31	319.17	0.31
11.50	0.68	319.27	0.68
12.00	**5.31**	**319.83**	**5.31**
12.50	**6.32**	**319.92**	**6.32**
13.00	2.17	319.51	2.17
13.50	1.46	319.41	1.46
14.00	1.21	319.37	1.21
14.50	1.03	319.34	1.03
15.00	0.91	319.32	0.91
15.50	0.79	319.29	0.79
16.00	0.66	319.27	0.66
16.50	0.58	319.24	0.58
17.00	0.52	319.23	0.52
17.50	0.46	319.22	0.46
18.00	0.41	319.20	0.41
18.50	0.37	319.19	0.37
19.00	0.35	319.18	0.35
19.50	0.34	319.18	0.34
20.00	0.32	319.17	0.32
20.50	0.31	319.17	0.31
21.00	0.29	319.17	0.29
21.50	0.28	319.16	0.28
22.00	0.27	319.16	0.27
22.50	0.25	319.15	0.25
23.00	0.24	319.15	0.24
23.50	0.23	319.14	0.23
24.00	0.21	319.14	0.21

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

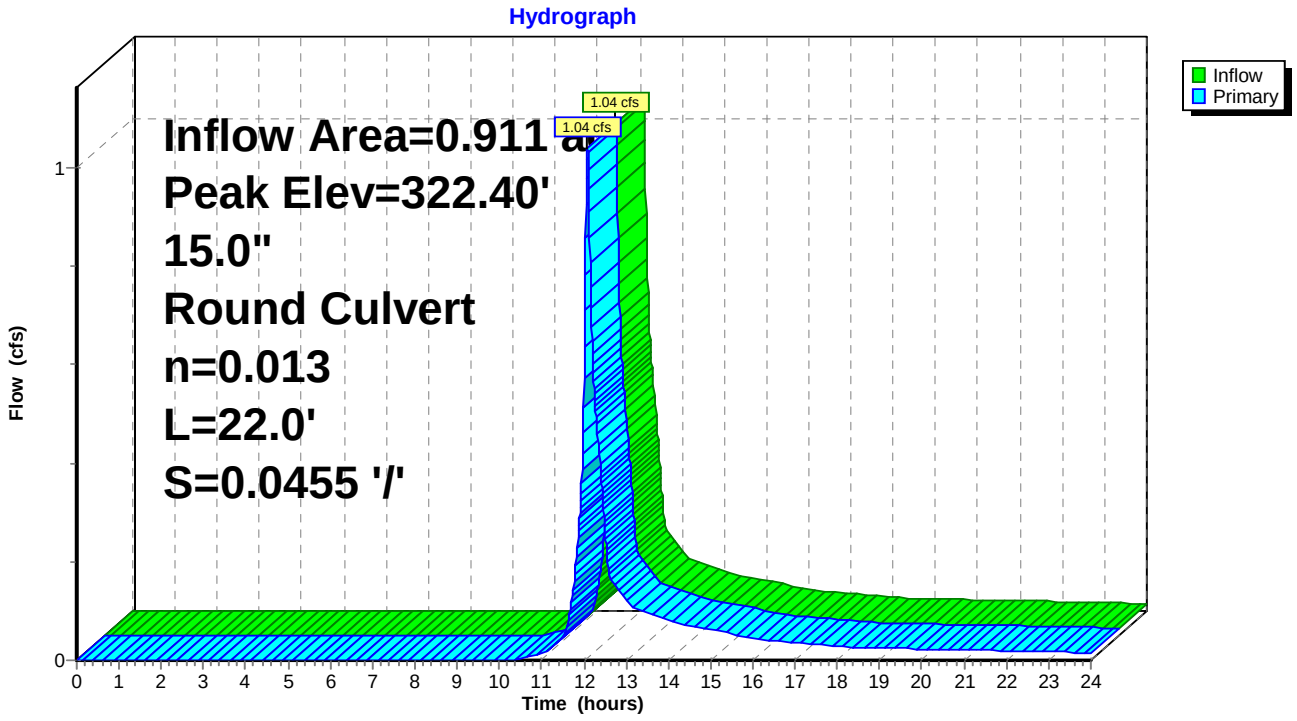
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 0.99" for 1-Year event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.40' @ 12.09 hrs
Flood Elev= 324.50'

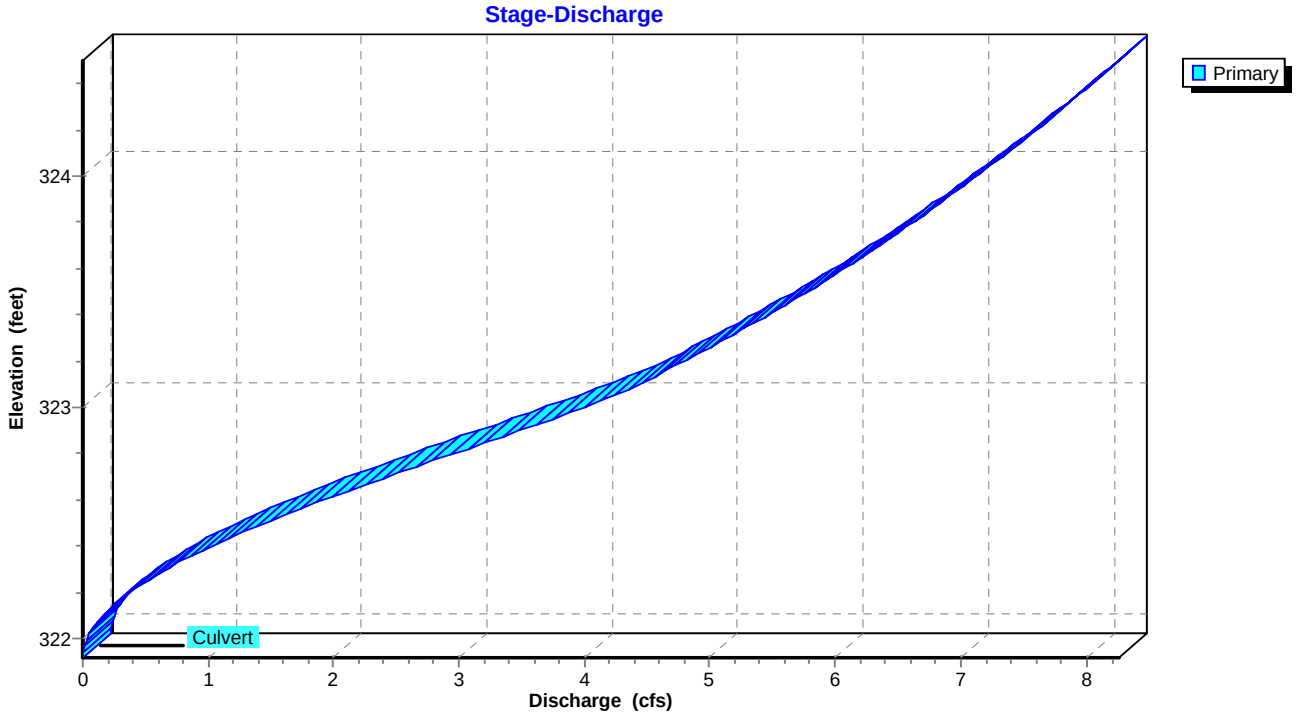
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=322.40' TW=320.06' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.04 cfs @ 2.37 fps)

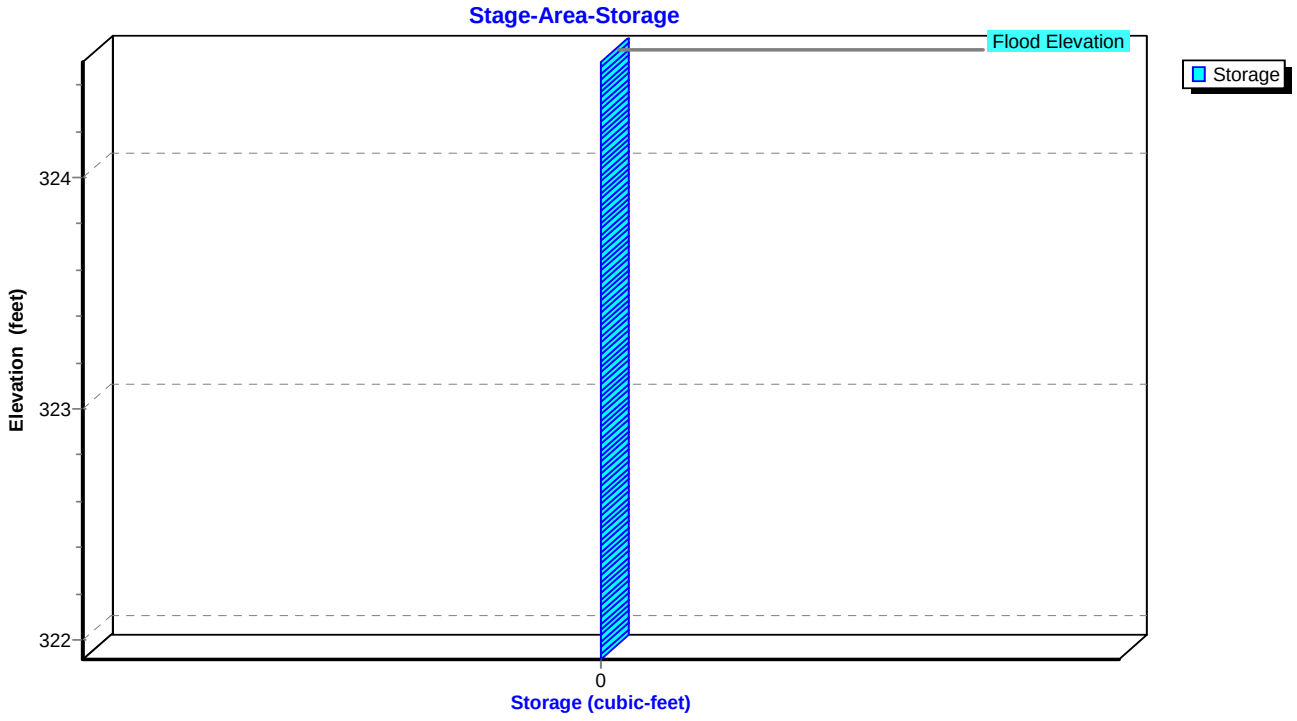
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.92	0.00
10.00	0.00	321.92	0.00
10.50	0.00	321.94	0.00
11.00	0.01	321.97	0.01
11.50	0.04	322.01	0.04
12.00	**0.57**	**322.27**	**0.57**
12.50	**0.27**	**322.16**	**0.27**
13.00	0.12	322.08	0.12
13.50	0.10	322.06	0.10
14.00	0.08	322.05	0.08
14.50	0.07	322.04	0.07
15.00	0.06	322.03	0.06
15.50	0.05	322.02	0.05
16.00	0.04	322.01	0.04
16.50	0.04	322.01	0.04
17.00	0.04	322.01	0.04
17.50	0.03	322.00	0.03
18.00	0.03	321.99	0.03
18.50	0.03	321.99	0.03
19.00	0.03	321.99	0.03
19.50	0.02	321.99	0.02
20.00	0.02	321.99	0.02
20.50	0.02	321.99	0.02
21.00	0.02	321.98	0.02
21.50	0.02	321.98	0.02
22.00	0.02	321.98	0.02
22.50	0.02	321.98	0.02
23.00	0.02	321.98	0.02
23.50	0.02	321.98	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

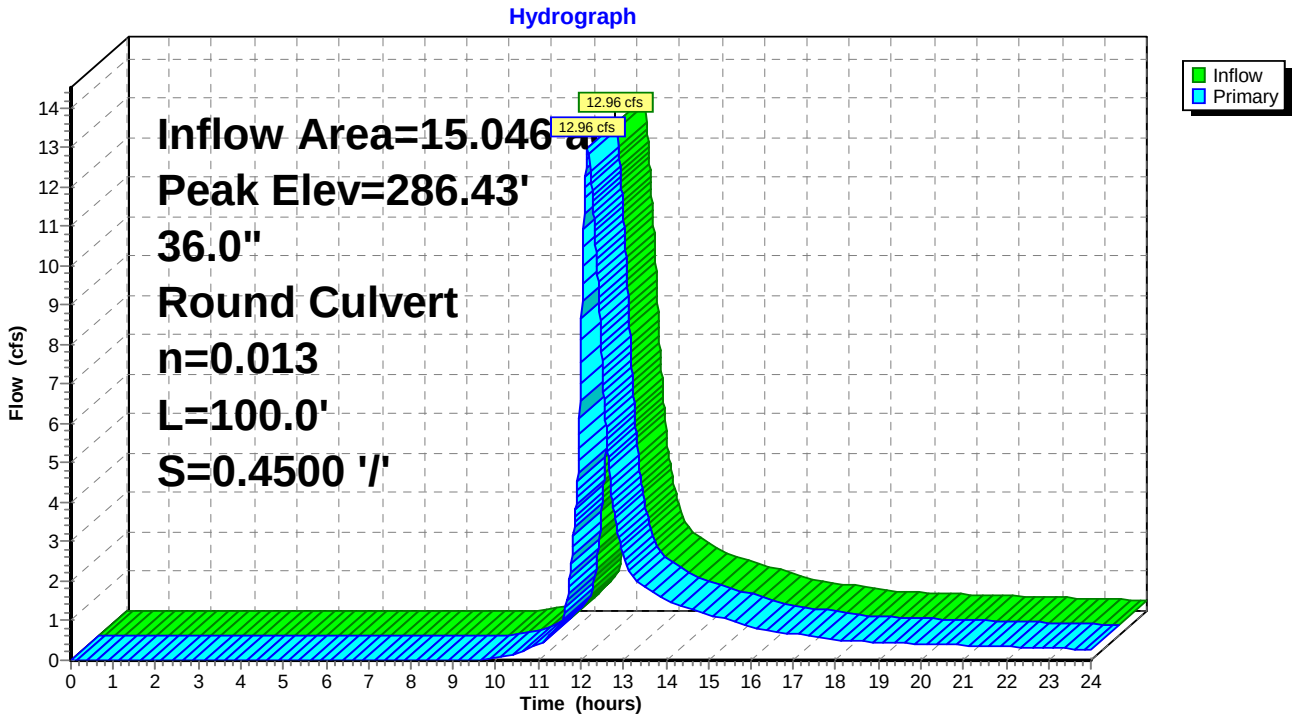
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 1.14" for 1-Year event
Inflow = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af
Outflow = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af, Atten= 0%, Lag= 0.0 min
Primary = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 286.43' @ 12.16 hrs
Flood Elev= 295.00'

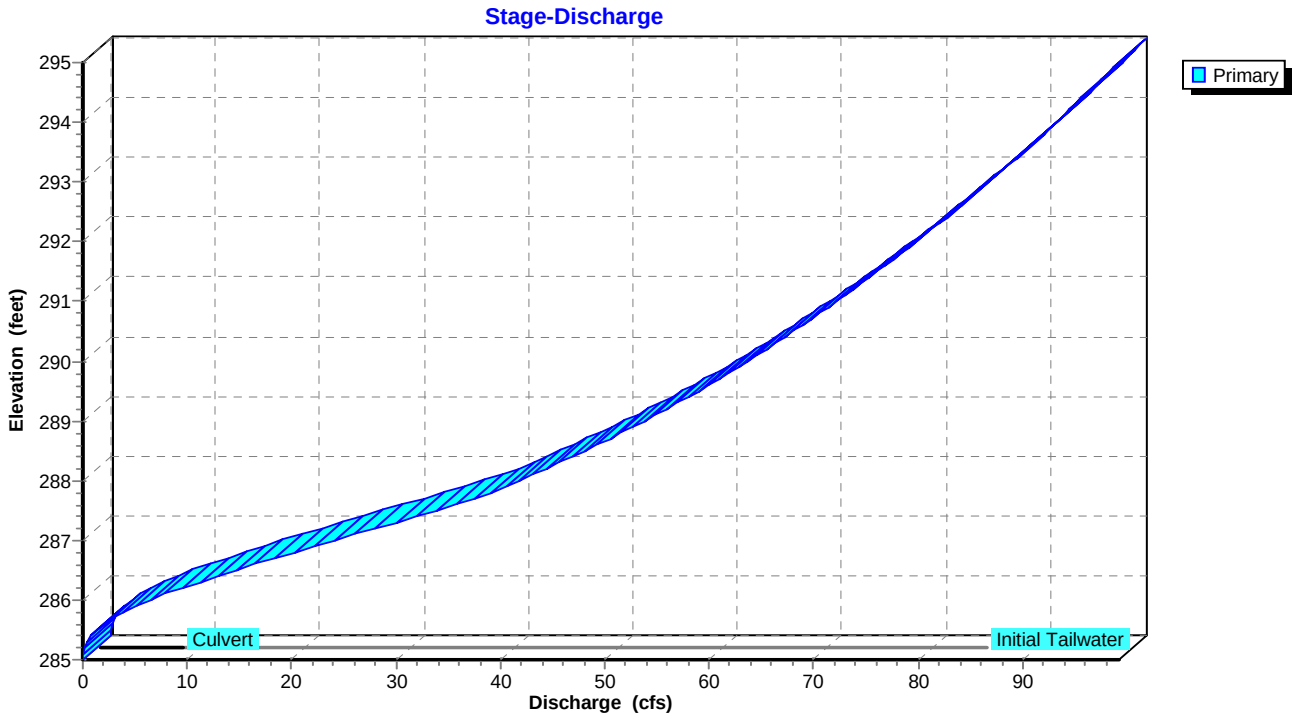
Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=12.96 cfs @ 12.16 hrs HW=286.43' TW=285.15' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 12.96 cfs @ 5.73 fps)

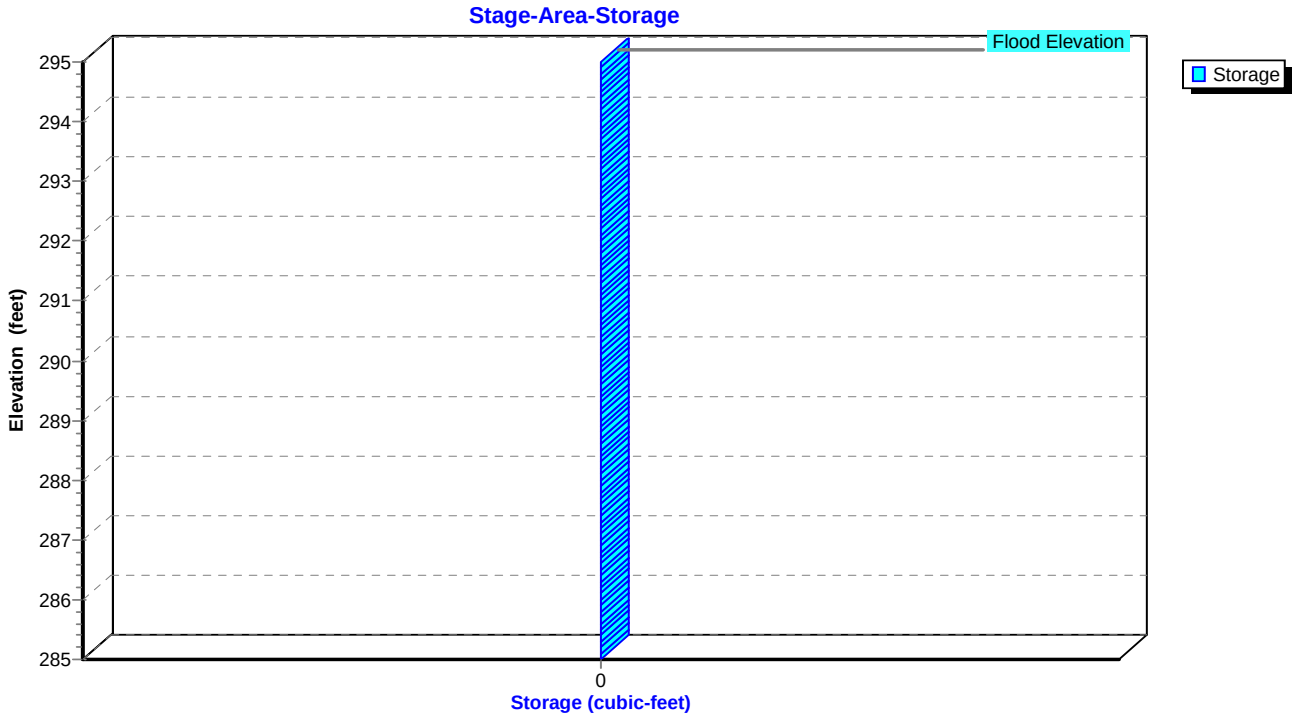
Pond MH1: (new Pond)



Pond MH1: (new Pond)



Pond MH1: (new Pond)



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.00	0.00
5.50	0.00	285.00	0.00
6.00	0.00	285.00	0.00
6.50	0.00	285.00	0.00
7.00	0.00	285.00	0.00
7.50	0.00	285.00	0.00
8.00	0.00	285.00	0.00
8.50	0.00	285.00	0.00
9.00	0.00	285.02	0.00
9.50	0.01	285.07	0.01
10.00	0.06	285.15	0.06
10.50	0.18	285.23	0.18
11.00	0.40	285.31	0.40
11.50	0.89	285.43	0.89
12.00	**7.56**	**286.10**	**7.56**
12.50	**7.59**	**286.11**	**7.59**
13.00	2.67	285.69	2.67
13.50	1.86	285.59	1.86
14.00	1.53	285.54	1.53
14.50	1.32	285.51	1.32
15.00	1.17	285.48	1.17
15.50	1.01	285.46	1.01
16.00	0.85	285.42	0.85
16.50	0.74	285.40	0.74
17.00	0.66	285.38	0.66
17.50	0.59	285.37	0.59
18.00	0.52	285.35	0.52
18.50	0.48	285.33	0.48
19.00	0.45	285.33	0.45
19.50	0.43	285.32	0.43
20.00	0.41	285.32	0.41
20.50	0.39	285.31	0.39
21.00	0.38	285.30	0.38
21.50	0.36	285.30	0.36
22.00	0.34	285.29	0.34
22.50	0.33	285.29	0.33
23.00	0.31	285.28	0.31
23.50	0.29	285.27	0.29
24.00	0.27	285.27	0.27

Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=345.92' Inflow=2.76 cfs 0.324 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=2.76 cfs 0.324 af

Pond CB10: Catchbasin Peak Elev=310.50' Inflow=15.18 cfs 1.740 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=15.18 cfs 1.740 af

Pond CB10-1: CB1-1 Peak Elev=312.52' Inflow=1.56 cfs 0.093 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.56 cfs 0.093 af

Pond CB11: Catchbasin Peak Elev=298.76' Inflow=16.21 cfs 1.827 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=16.21 cfs 1.827 af

Pond CB11-1: CB1-1 Peak Elev=302.66' Inflow=1.07 cfs 0.087 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.07 cfs 0.087 af

Pond CB12: Catchbasin Peak Elev=298.16' Inflow=18.22 cfs 1.997 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=18.22 cfs 1.997 af

Pond CB12-1: CB1-1 Peak Elev=300.41' Inflow=2.20 cfs 0.170 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.20 cfs 0.170 af

Pond CB13: Catchbasin Peak Elev=295.73' Inflow=19.53 cfs 2.109 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=19.53 cfs 2.109 af

Pond CB13-1: CB1-1 Peak Elev=296.97' Inflow=1.31 cfs 0.112 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.31 cfs 0.112 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.51' Inflow=5.75 cfs 0.648 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=5.75 cfs 0.648 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.65' Inflow=7.11 cfs 0.796 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=7.11 cfs 0.796 af

Pond CB4: Catchbasin Peak Elev=332.93' Inflow=9.40 cfs 1.077 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=9.40 cfs 1.077 af

Pond CB4-1: CB1-1 Peak Elev=336.39' Inflow=9.40 cfs 1.077 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=9.40 cfs 1.077 af

Pond CB5: Catchbasin Peak Elev=331.73' Inflow=9.64 cfs 1.117 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=9.64 cfs 1.117 af

Pond CB5-1: CB1-1 Peak Elev=334.30' Inflow=0.66 cfs 0.040 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.66 cfs 0.040 af

Pond CB6: Catchbasin Peak Elev=330.46' Inflow=11.49 cfs 1.295 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=11.49 cfs 1.295 af

Pond CB6-1: CB1-1 Peak Elev=336.61' Inflow=1.96 cfs 0.178 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.96 cfs 0.178 af

Pond CB7: Catchbasin Peak Elev=329.13' Inflow=13.06 cfs 1.458 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=13.06 cfs 1.458 af

Pond CB7-1: CB1-1 Peak Elev=335.14' Inflow=2.10 cfs 0.163 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.10 cfs 0.163 af

Pond CB8: Catchbasin Peak Elev=327.70' Inflow=13.55 cfs 1.533 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=13.55 cfs 1.533 af

Pond CB8-1: CB1-1 Peak Elev=330.70' Inflow=1.24 cfs 0.074 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.24 cfs 0.074 af

Pond CB9: Catchbasin Peak Elev=320.46' Inflow=14.55 cfs 1.646 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=14.55 cfs 1.646 af

Pond CB9-1: CB1-1 Peak Elev=322.54' Inflow=1.61 cfs 0.114 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.61 cfs 0.114 af

Pond MH1: (new Pond) Peak Elev=286.76' Inflow=19.53 cfs 2.109 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=19.53 cfs 2.109 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

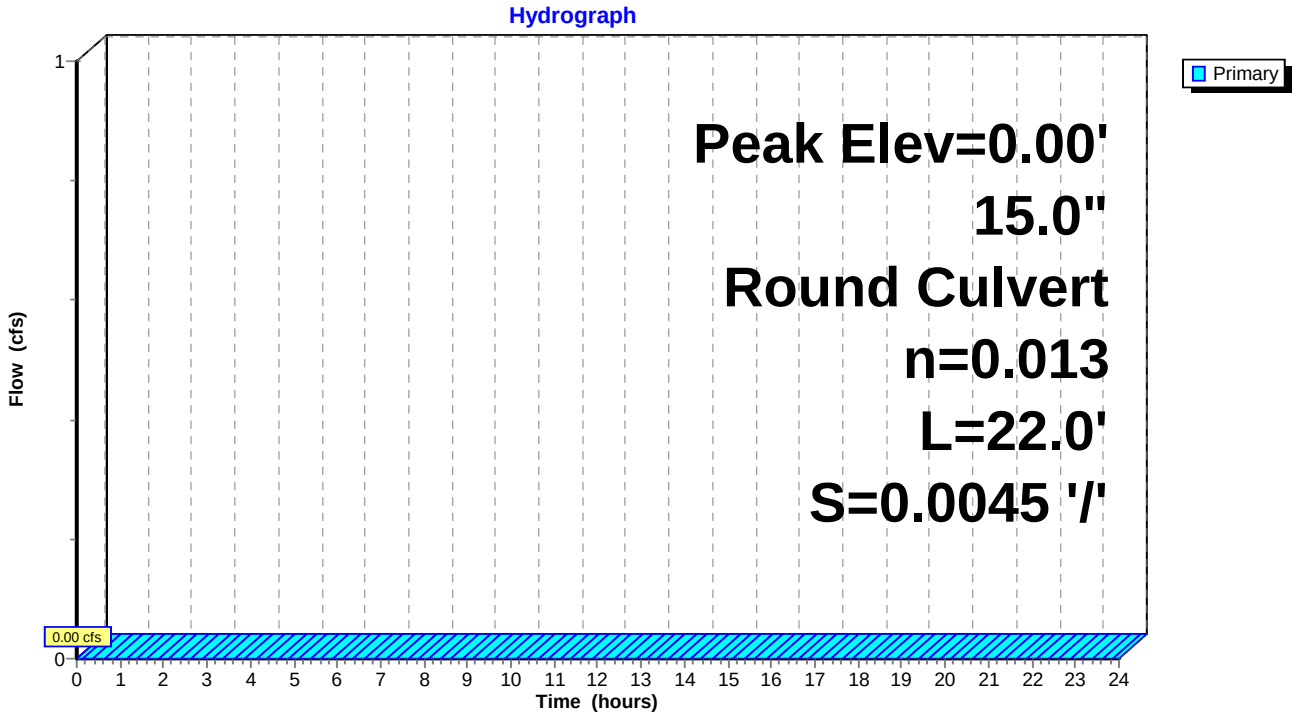
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

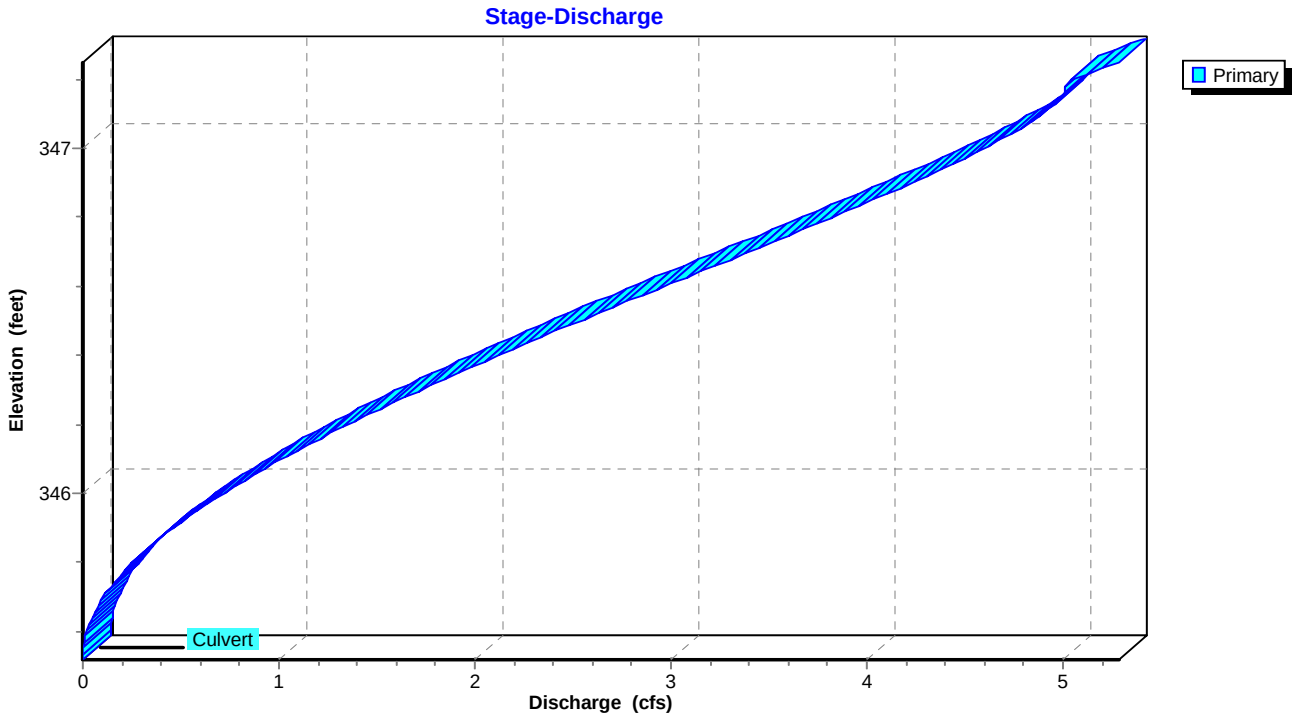
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

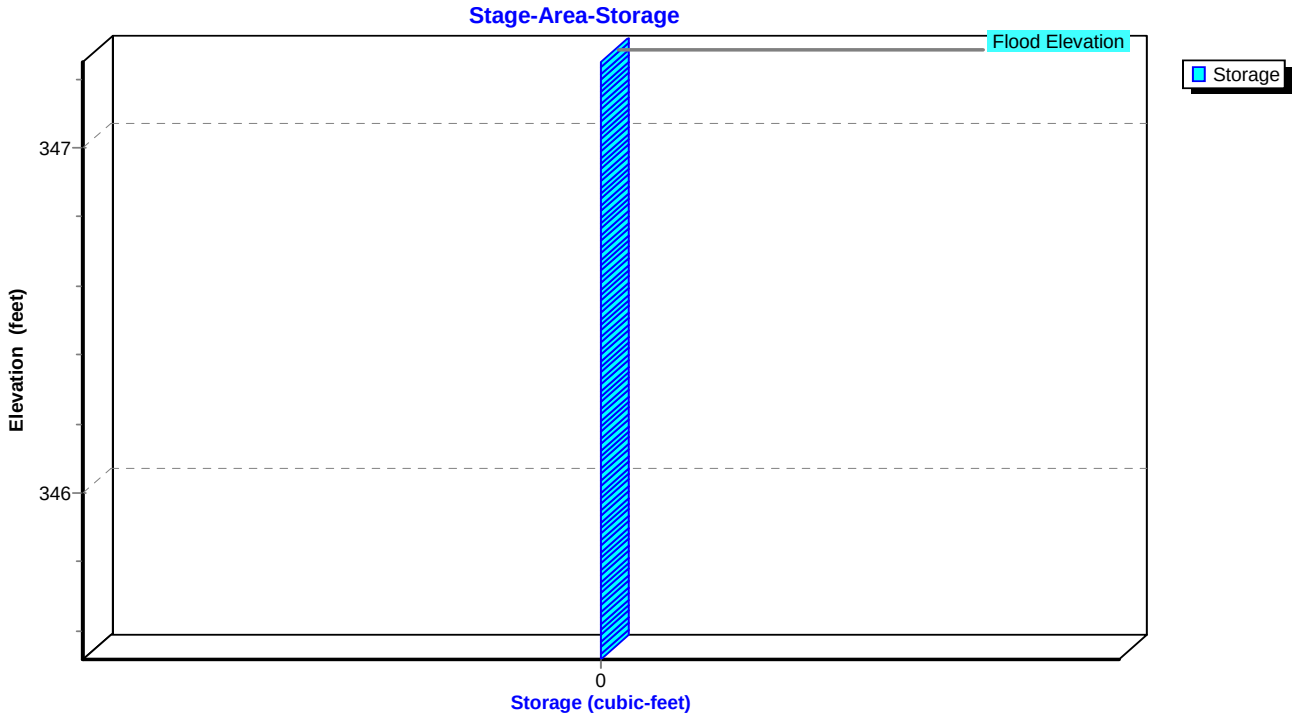
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

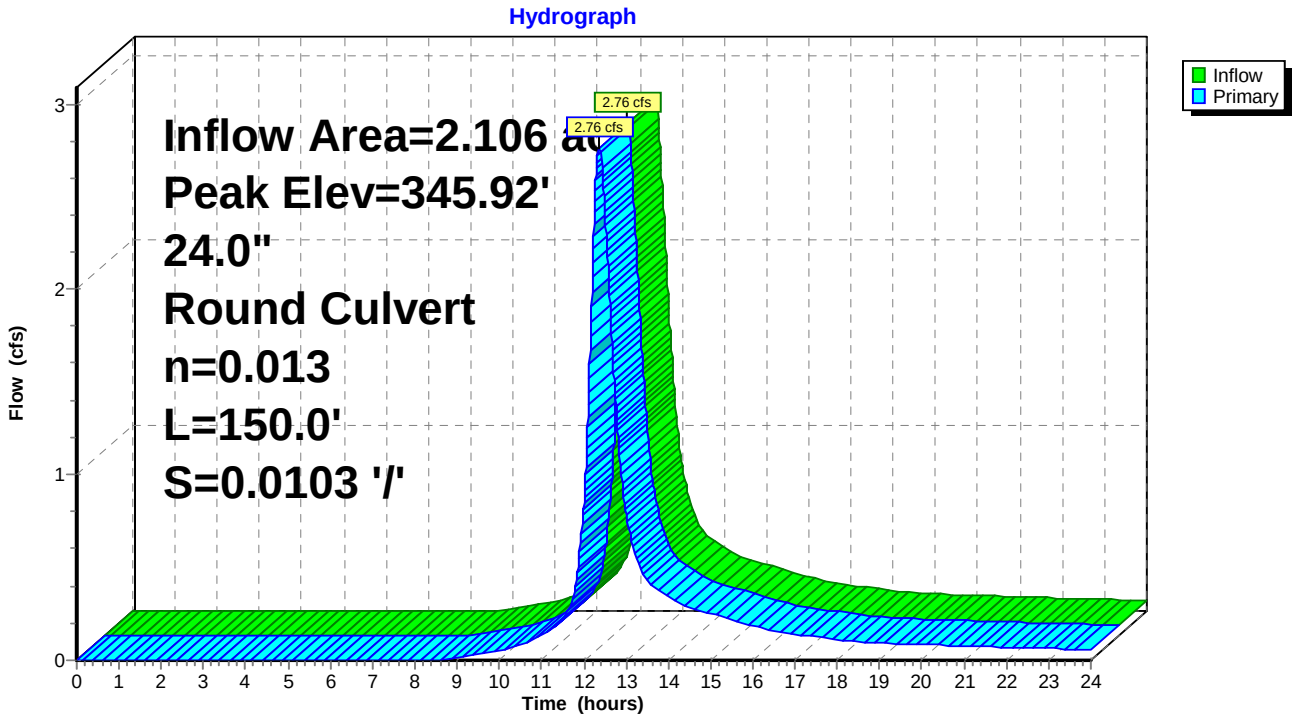
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.85" for 2-Year event
Inflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af
Outflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af, Atten= 0%, Lag= 0.0 min
Primary = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.92' @ 12.35 hrs
Flood Elev= 348.80'

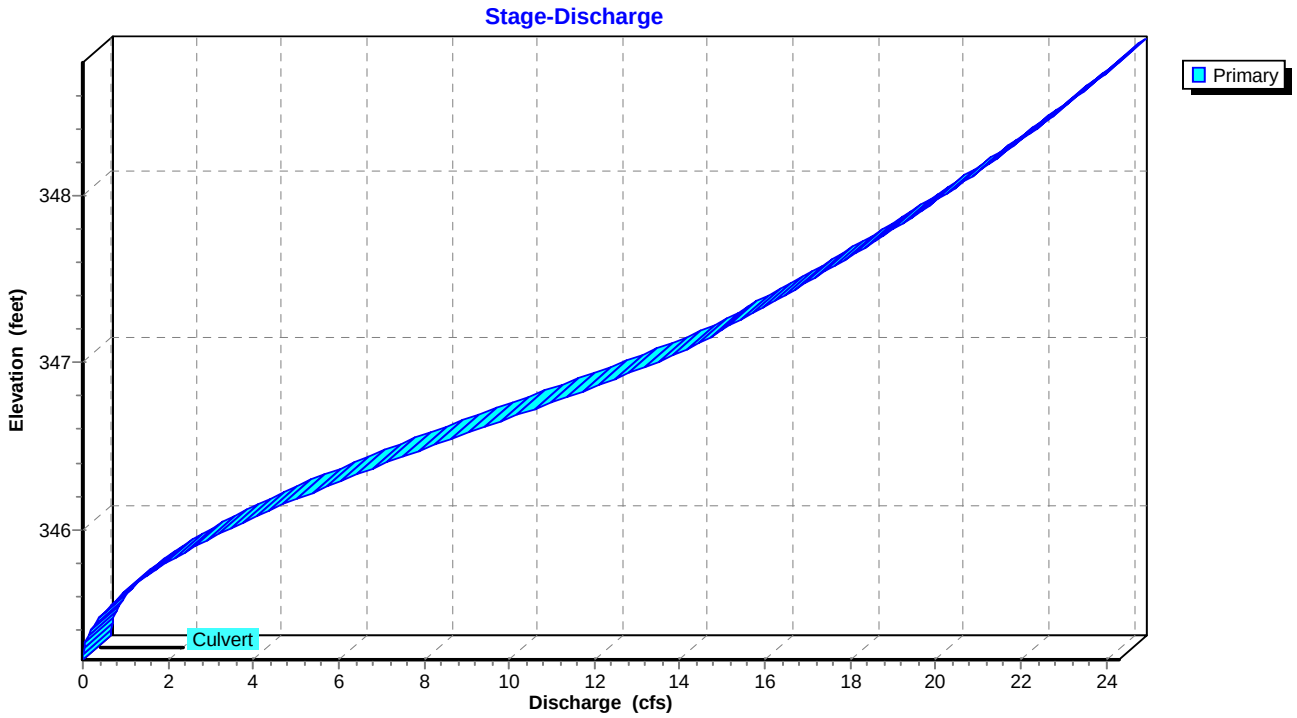
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=2.77 cfs @ 12.36 hrs HW=345.92' TW=344.49' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 2.77 cfs @ 4.23 fps)

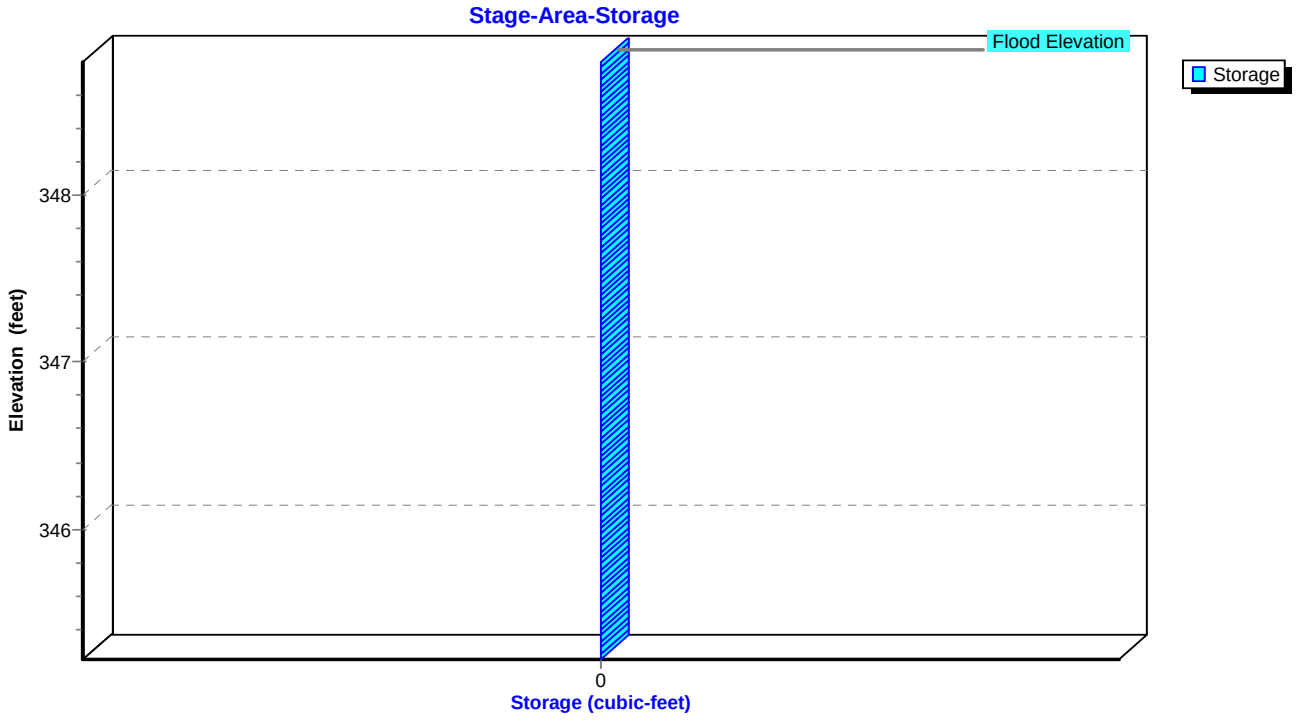
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.22	0.00
8.00	0.00	345.22	0.00
8.50	0.00	345.24	0.00
9.00	0.01	345.27	0.01
9.50	0.03	345.29	0.03
10.00	0.05	345.32	0.05
10.50	0.09	345.34	0.09
11.00	0.13	345.37	0.13
11.50	0.22	345.41	0.22
12.00	**0.85**	**345.59**	**0.85**
12.50	**2.43**	**345.87**	**2.43**
13.00	0.79	345.58	0.79
13.50	0.43	345.48	0.43
14.00	0.34	345.46	0.34
14.50	0.28	345.43	0.28
15.00	0.25	345.42	0.25
15.50	0.22	345.41	0.22
16.00	0.18	345.39	0.18
16.50	0.16	345.38	0.16
17.00	0.14	345.37	0.14
17.50	0.12	345.36	0.12
18.00	0.11	345.35	0.11
18.50	0.10	345.35	0.10
19.00	0.09	345.34	0.09
19.50	0.09	345.34	0.09
20.00	0.08	345.34	0.08
20.50	0.08	345.34	0.08
21.00	0.08	345.33	0.08
21.50	0.07	345.33	0.07
22.00	0.07	345.33	0.07
22.50	0.07	345.33	0.07
23.00	0.06	345.32	0.06
23.50	0.06	345.32	0.06
24.00	0.06	345.32	0.06

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

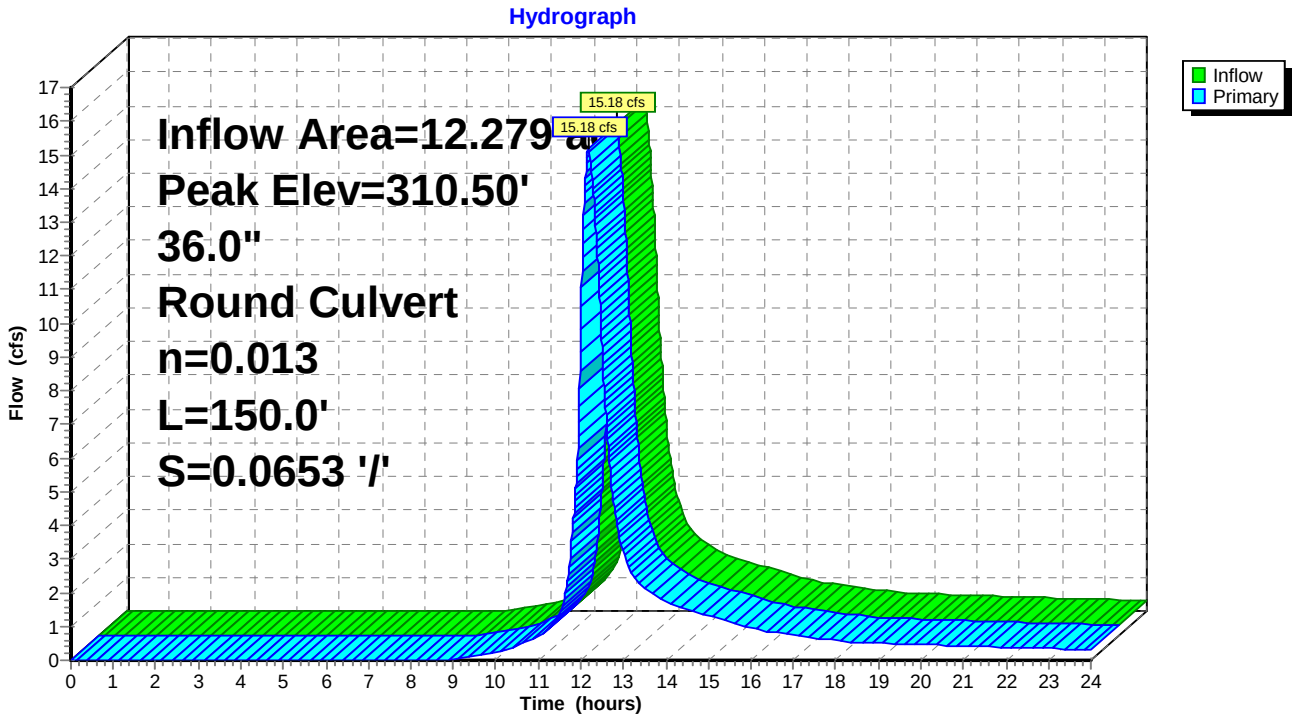
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af
Outflow = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af, Atten= 0%, Lag= 0.0 min
Primary = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.50' @ 12.18 hrs
Flood Elev= 313.50'

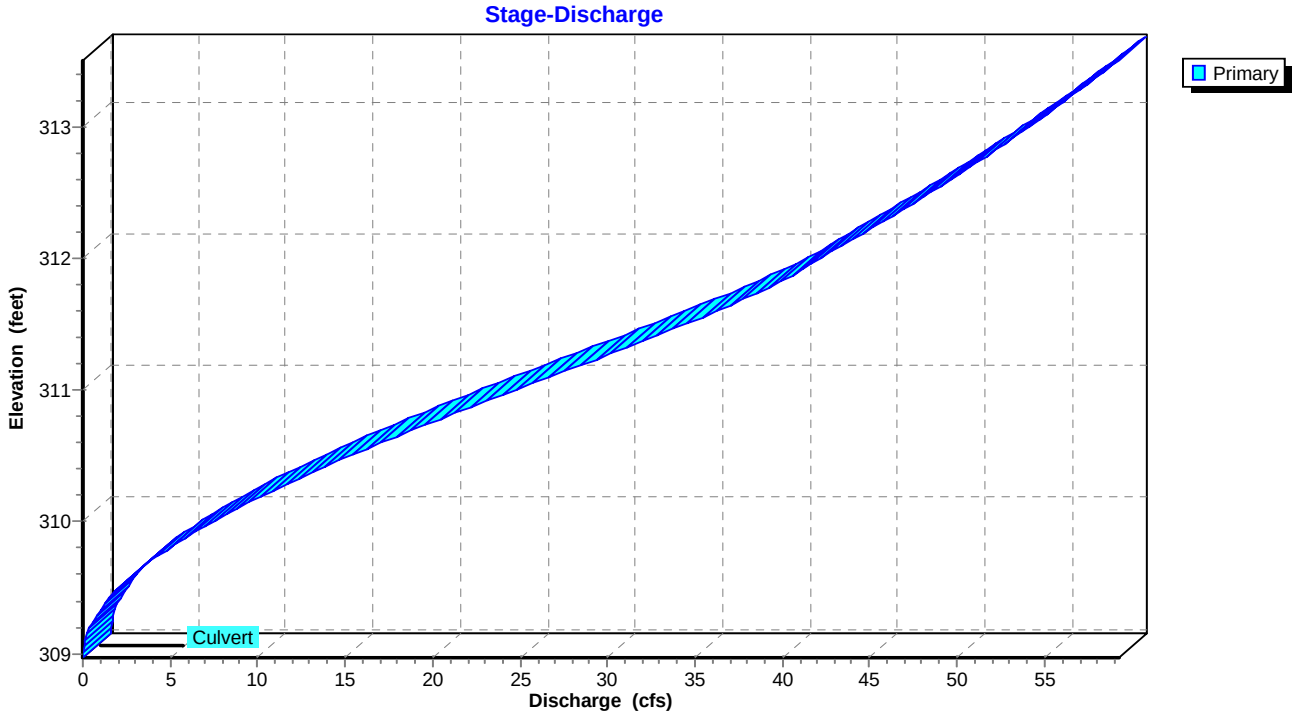
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=15.18 cfs @ 12.18 hrs HW=310.50' TW=298.76' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.18 cfs @ 4.20 fps)

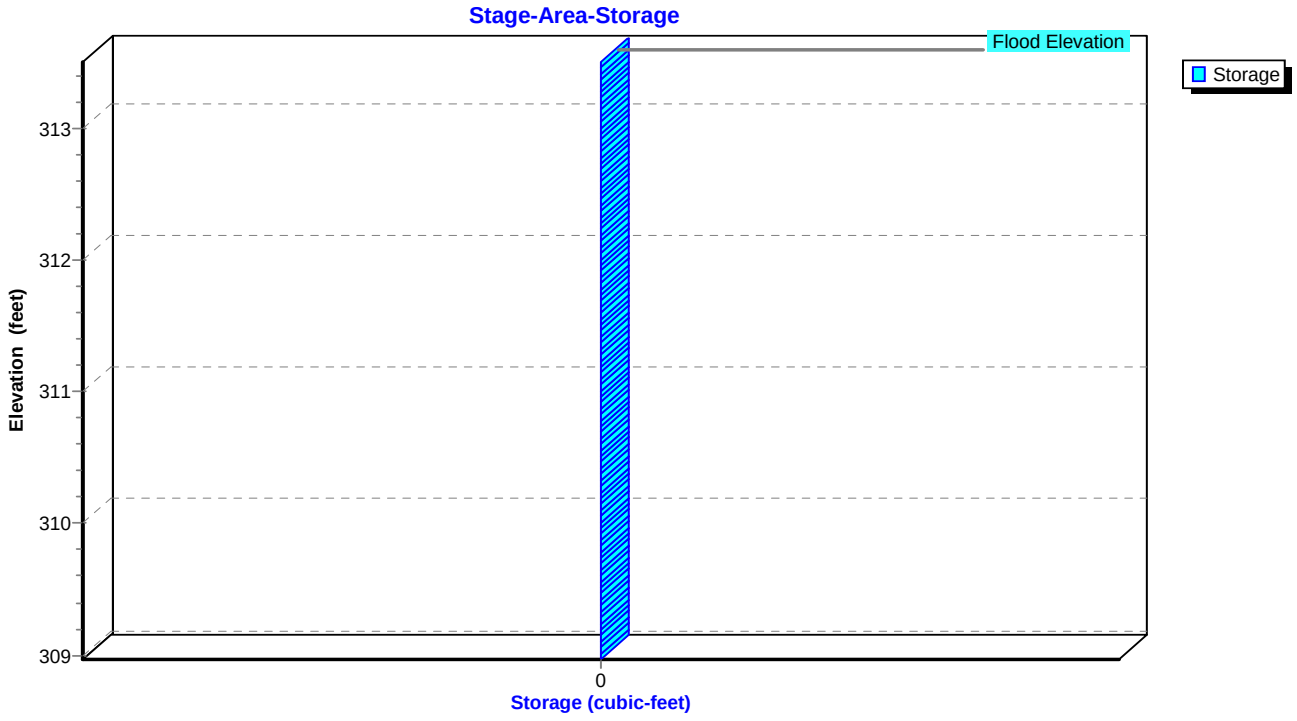
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.97	0.00
7.50	0.00	308.97	0.00
8.00	0.00	308.97	0.00
8.50	0.01	309.00	0.01
9.00	0.04	309.04	0.04
9.50	0.11	309.09	0.11
10.00	0.24	309.15	0.24
10.50	0.43	309.21	0.43
11.00	0.71	309.28	0.71
11.50	1.37	309.40	1.37
12.00	**9.81**	**310.17**	**9.81**
12.50	**9.29**	**310.13**	**9.29**
13.00	3.17	309.63	3.17
13.50	2.14	309.51	2.14
14.00	1.76	309.46	1.76
14.50	1.50	309.42	1.50
15.00	1.32	309.39	1.32
15.50	1.14	309.36	1.14
16.00	0.96	309.33	0.96
16.50	0.83	309.30	0.83
17.00	0.75	309.28	0.75
17.50	0.67	309.27	0.67
18.00	0.58	309.25	0.58
18.50	0.53	309.23	0.53
19.00	0.51	309.23	0.51
19.50	0.48	309.22	0.48
20.00	0.46	309.21	0.46
20.50	0.44	309.21	0.44
21.00	0.42	309.20	0.42
21.50	0.40	309.20	0.40
22.00	0.38	309.19	0.38
22.50	0.36	309.19	0.36
23.00	0.34	309.18	0.34
23.50	0.33	309.18	0.33
24.00	0.31	309.17	0.31

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

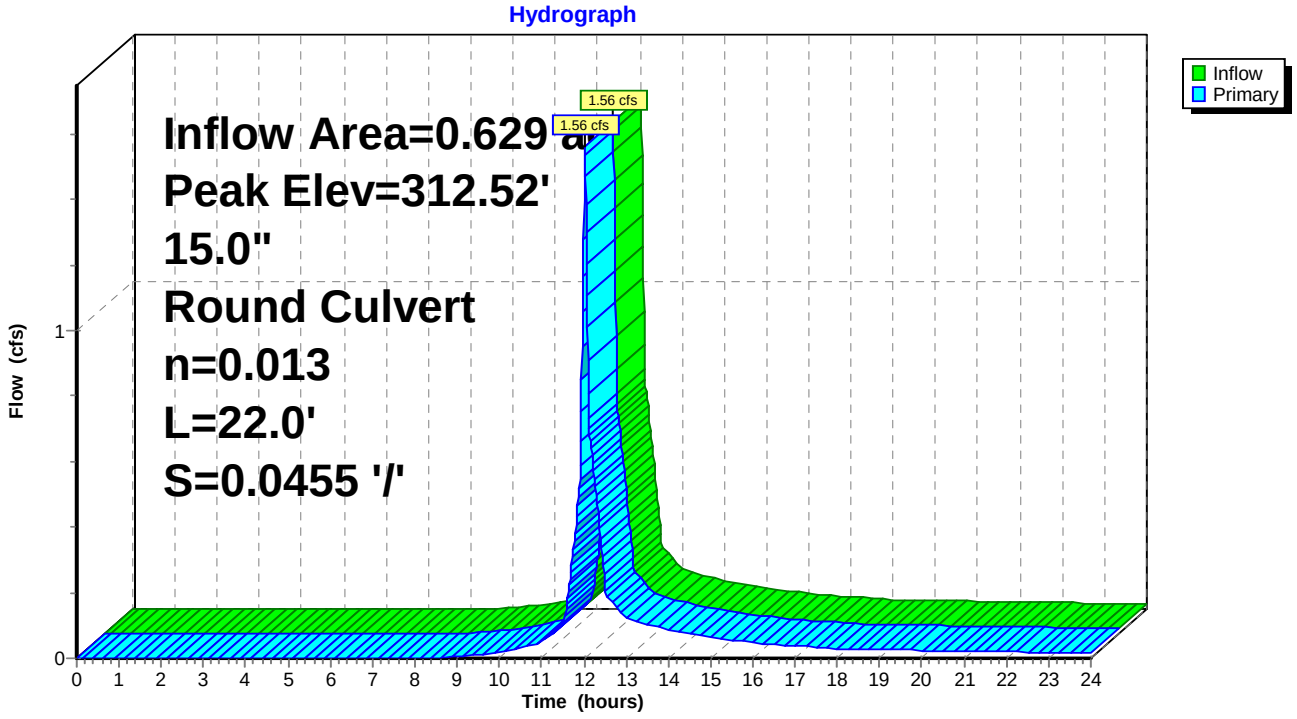
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.78" for 2-Year event
Inflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.52' @ 12.02 hrs
Flood Elev= 314.50'

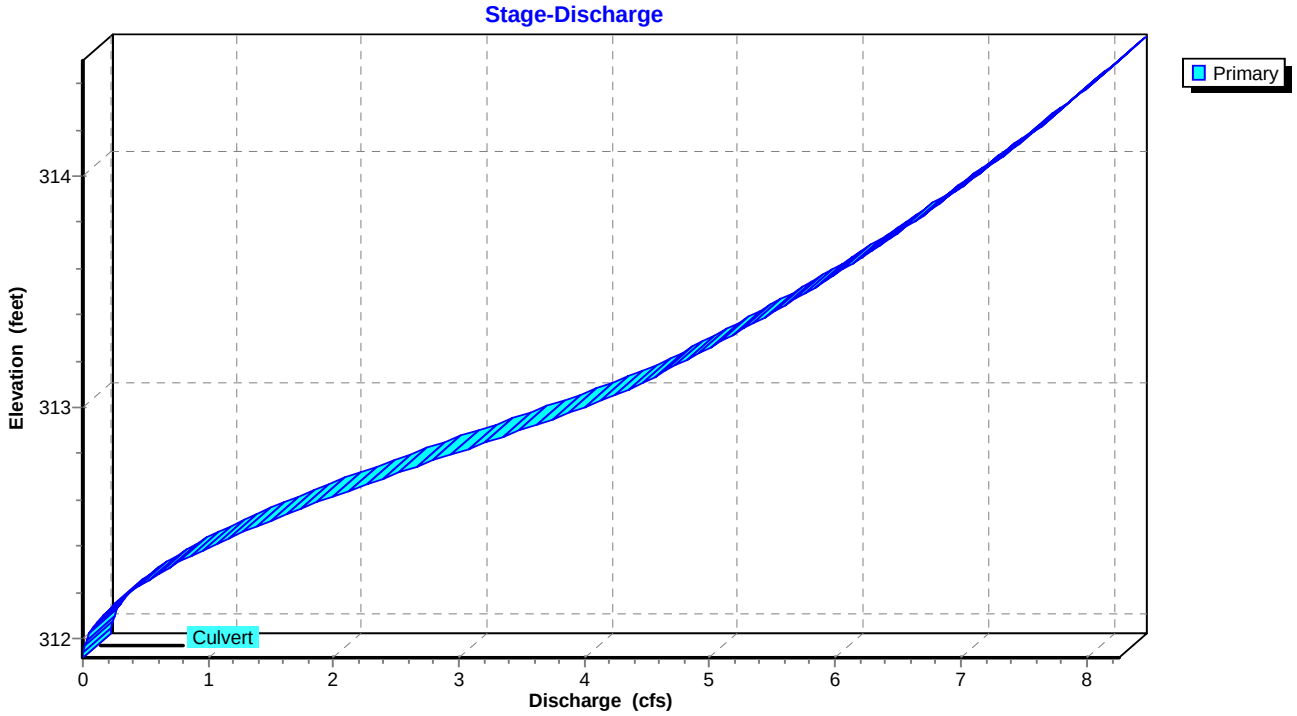
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.55 cfs @ 12.02 hrs HW=312.52' TW=310.25' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.55 cfs @ 2.64 fps)

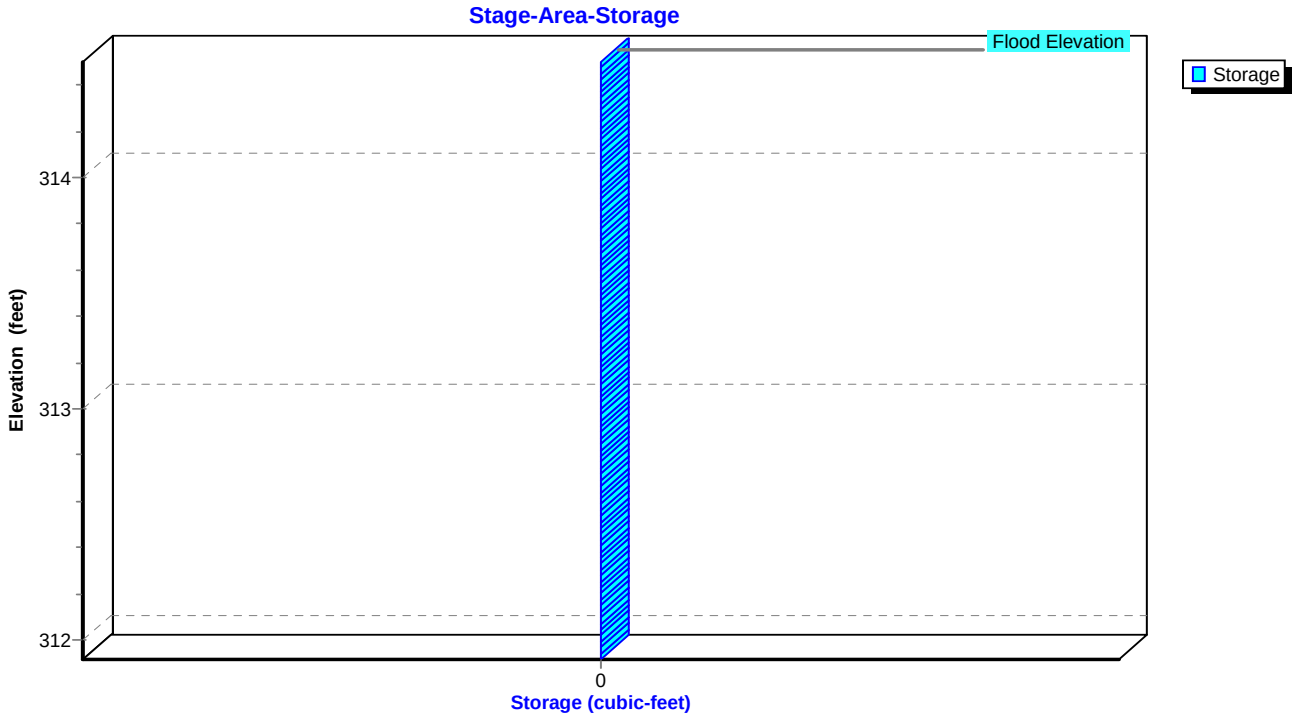
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.93	0.00
9.00	0.00	311.95	0.00
9.50	0.01	311.97	0.01
10.00	0.02	311.98	0.02
10.50	0.03	312.00	0.03
11.00	0.05	312.02	0.05
11.50	0.10	312.06	0.10
12.00	**1.39**	**312.49**	**1.39**
12.50	**0.22**	**312.13**	**0.22**
13.00	0.12	312.08	0.12
13.50	0.10	312.07	0.10
14.00	0.08	312.05	0.08
14.50	0.08	312.04	0.08
15.00	0.07	312.04	0.07
15.50	0.06	312.03	0.06
16.00	0.05	312.02	0.05
16.50	0.04	312.01	0.04
17.00	0.04	312.01	0.04
17.50	0.03	312.00	0.03
18.00	0.03	312.00	0.03
18.50	0.03	311.99	0.03
19.00	0.03	311.99	0.03
19.50	0.02	311.99	0.02
20.00	0.02	311.99	0.02
20.50	0.02	311.99	0.02
21.00	0.02	311.99	0.02
21.50	0.02	311.98	0.02
22.00	0.02	311.98	0.02
22.50	0.02	311.98	0.02
23.00	0.02	311.98	0.02
23.50	0.02	311.98	0.02
24.00	0.02	311.98	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

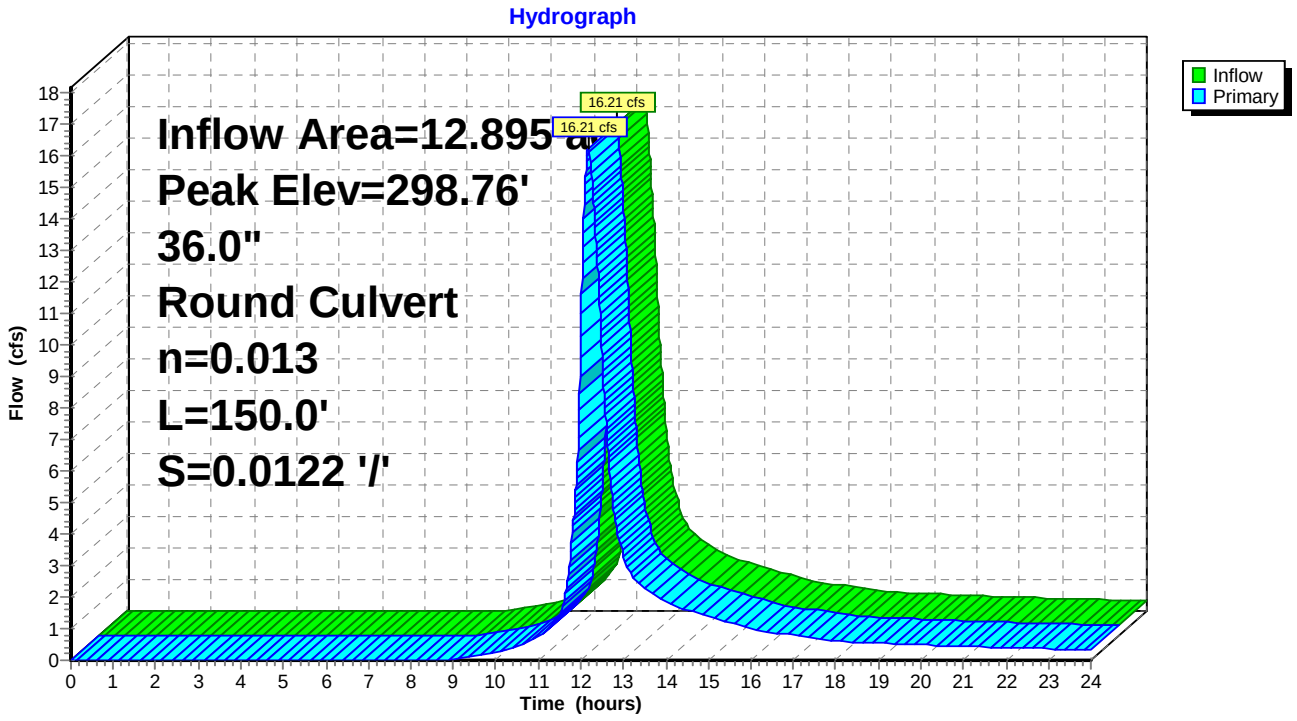
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af
Outflow = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af, Atten= 0%, Lag= 0.0 min
Primary = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.76' @ 12.17 hrs
Flood Elev= 304.00'

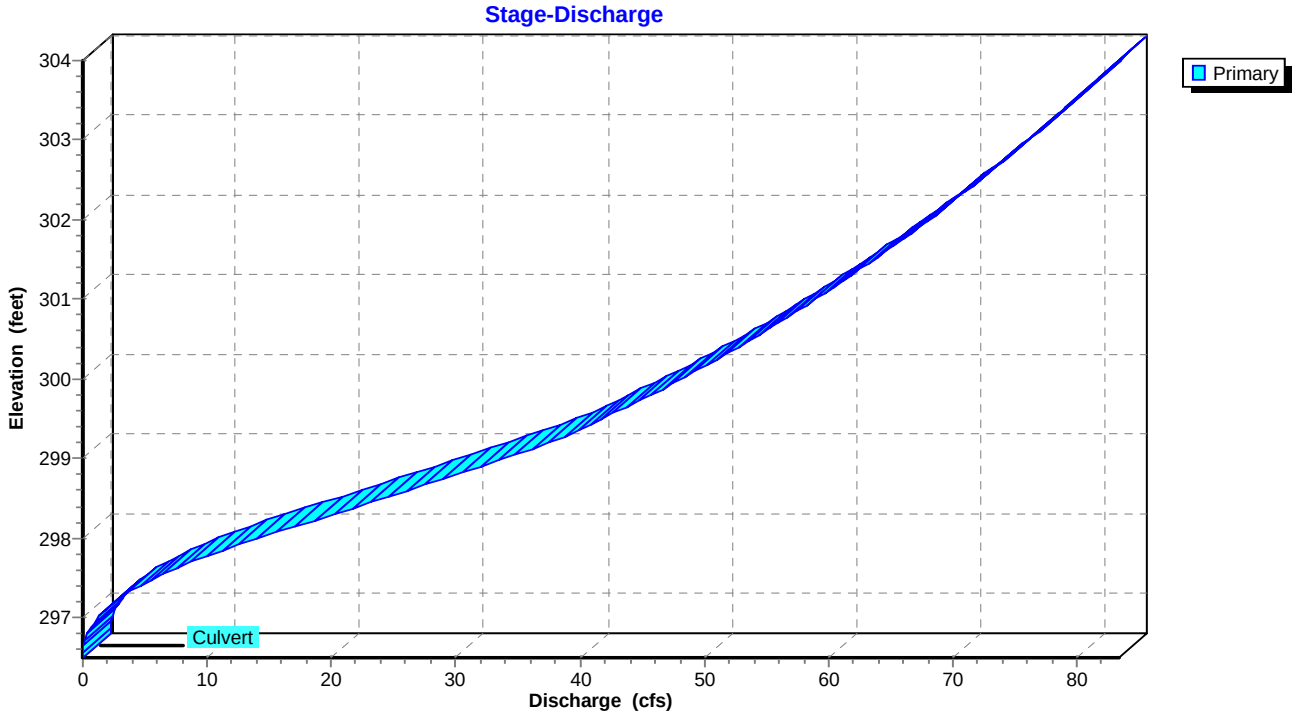
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.26 cfs @ 12.17 hrs HW=298.76' TW=298.16' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.26 cfs @ 3.95 fps)

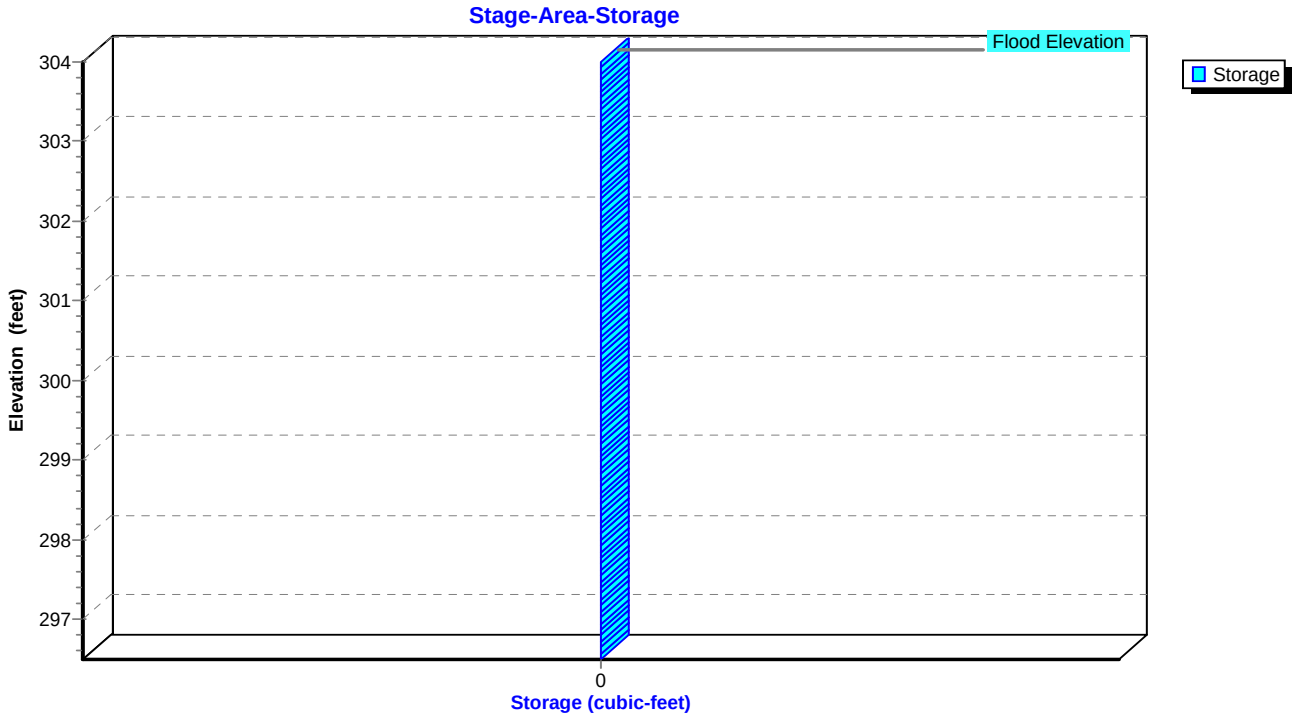
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.50	0.00
5.50	0.00	296.50	0.00
6.00	0.00	296.50	0.00
6.50	0.00	296.50	0.00
7.00	0.00	296.50	0.00
7.50	0.00	296.50	0.00
8.00	0.00	296.51	0.00
8.50	0.01	296.56	0.01
9.00	0.04	296.64	0.04
9.50	0.12	296.73	0.12
10.00	0.26	296.82	0.26
10.50	0.46	296.91	0.46
11.00	0.75	297.01	0.75
11.50	1.44	297.18	1.44
12.00	**10.30**	**298.24**	**10.30**
12.50	**9.68**	**298.21**	**9.68**
13.00	3.31	297.50	3.31
13.50	2.25	297.34	2.25
14.00	1.84	297.26	1.84
14.50	1.58	297.21	1.58
15.00	1.39	297.17	1.39
15.50	1.20	297.13	1.20
16.00	1.00	297.08	1.00
16.50	0.87	297.04	0.87
17.00	0.79	297.02	0.79
17.50	0.70	296.99	0.70
18.00	0.61	296.96	0.61
18.50	0.56	296.95	0.56
19.00	0.53	296.94	0.53
19.50	0.51	296.93	0.51
20.00	0.48	296.92	0.48
20.50	0.46	296.91	0.46
21.00	0.44	296.90	0.44
21.50	0.42	296.89	0.42
22.00	0.40	296.89	0.40
22.50	0.38	296.88	0.38
23.00	0.36	296.87	0.36
23.50	0.34	296.86	0.34
24.00	0.32	296.85	0.32

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

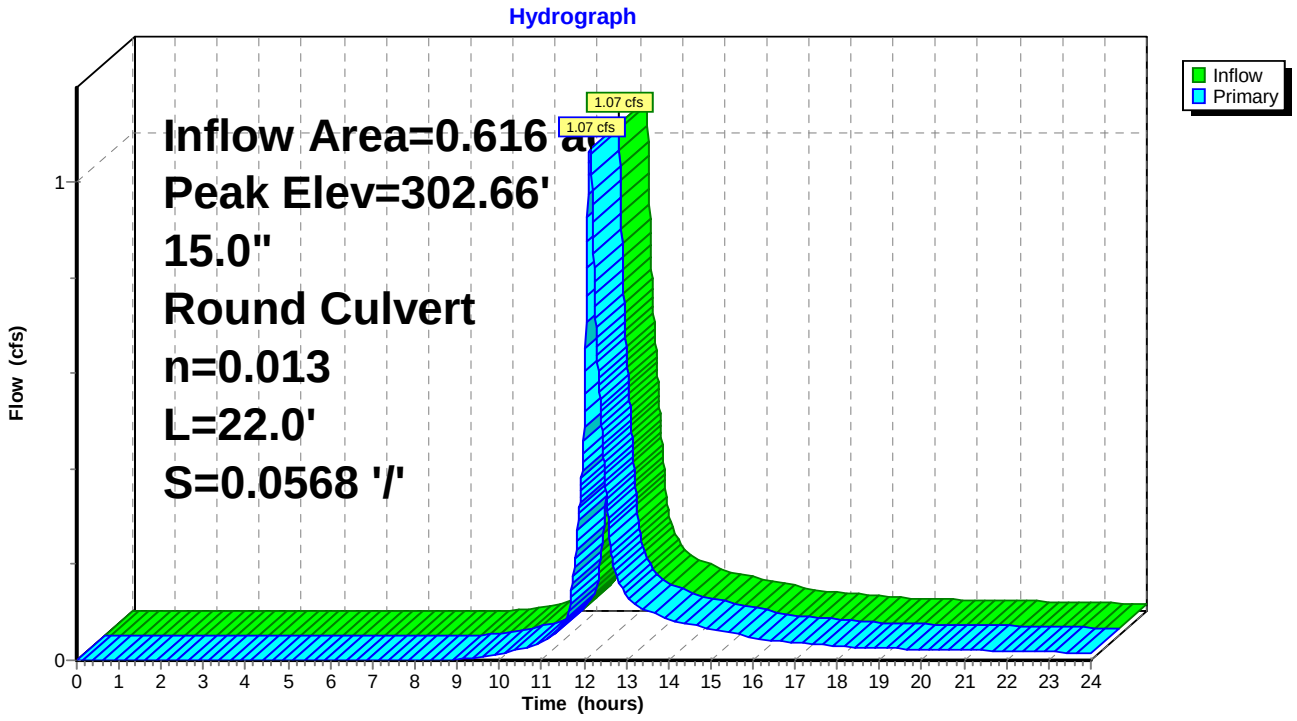
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af
Outflow = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.66' @ 12.14 hrs
Flood Elev= 304.80'

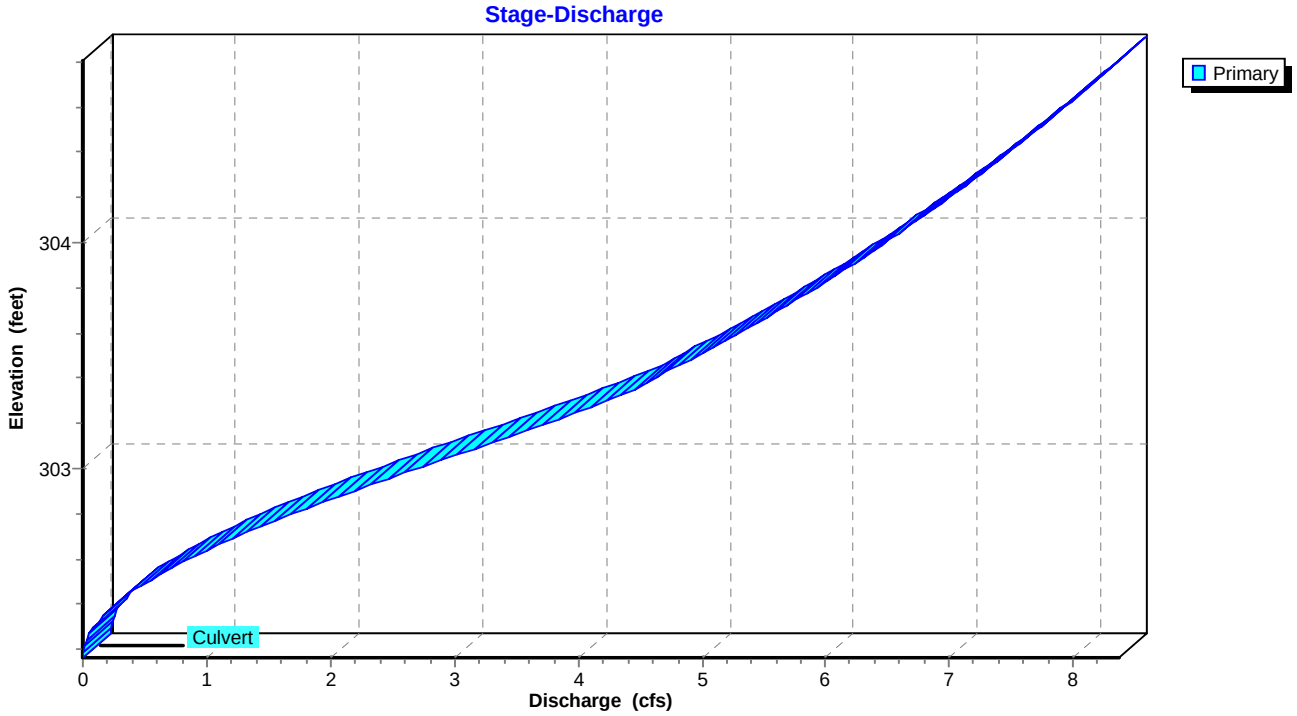
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.07 cfs @ 12.14 hrs HW=302.66' TW=298.75' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.07 cfs @ 2.39 fps)

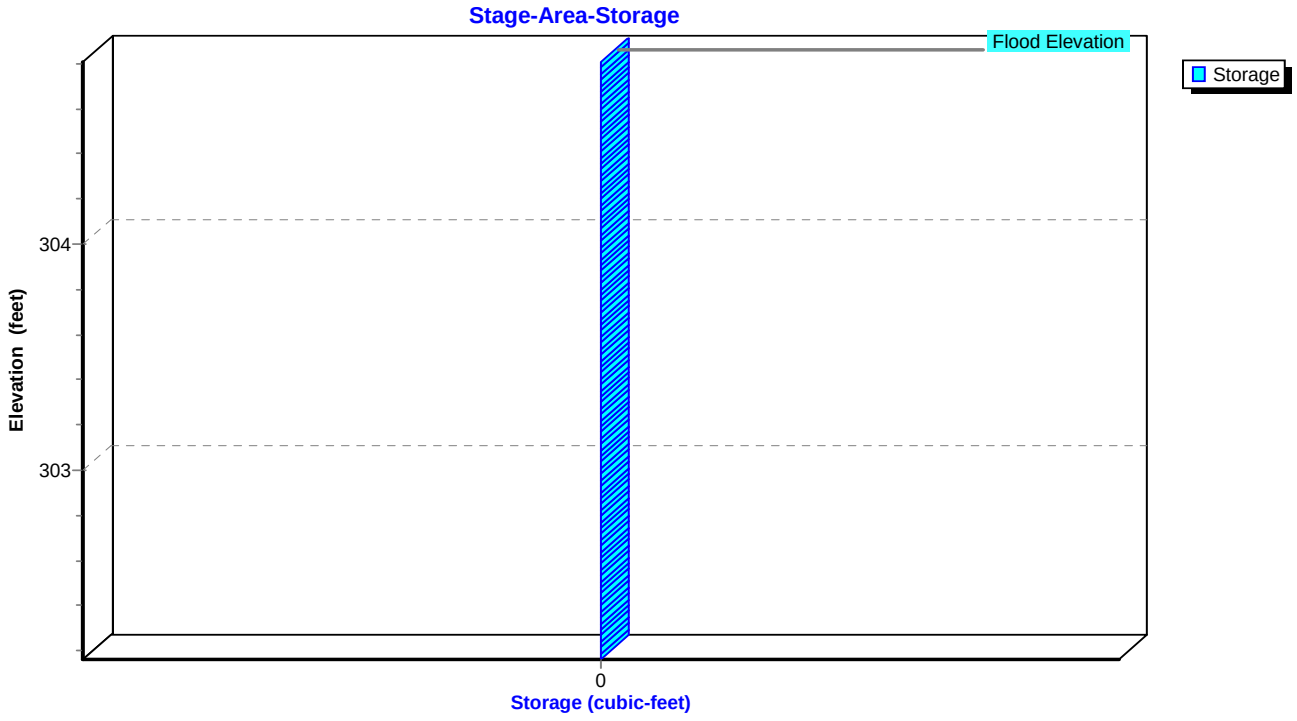
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.17	0.00
8.50	0.00	302.17	0.00
9.00	0.00	302.19	0.00
9.50	0.01	302.21	0.01
10.00	0.01	302.22	0.01
10.50	0.02	302.24	0.02
11.00	0.04	302.26	0.04
11.50	0.07	302.29	0.07
12.00	**0.49**	**302.49**	**0.49**
12.50	**0.39**	**302.46**	**0.39**
13.00	0.14	302.34	0.14
13.50	0.10	302.32	0.10
14.00	0.09	302.30	0.09
14.50	0.07	302.29	0.07
15.00	0.07	302.29	0.07
15.50	0.06	302.28	0.06
16.00	0.05	302.27	0.05
16.50	0.04	302.26	0.04
17.00	0.04	302.26	0.04
17.50	0.03	302.25	0.03
18.00	0.03	302.25	0.03
18.50	0.03	302.24	0.03
19.00	0.03	302.24	0.03
19.50	0.02	302.24	0.02
20.00	0.02	302.24	0.02
20.50	0.02	302.24	0.02
21.00	0.02	302.23	0.02
21.50	0.02	302.23	0.02
22.00	0.02	302.23	0.02
22.50	0.02	302.23	0.02
23.00	0.02	302.23	0.02
23.50	0.02	302.23	0.02
24.00	0.02	302.23	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

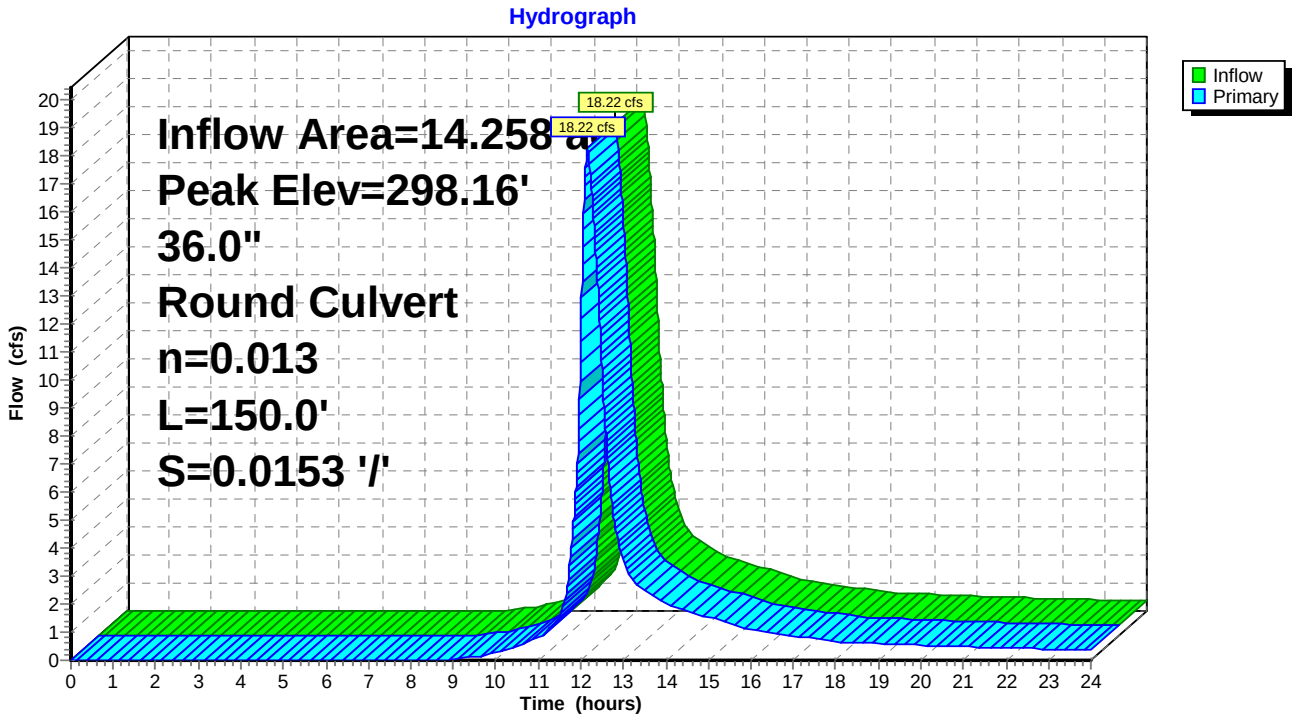
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 1.68" for 2-Year event
Inflow = 18.22 cfs @ 12.16 hrs, Volume= 1.997 af
Outflow = 18.22 cfs @ 12.16 hrs, Volume= 1.997 af, Atten= 0%, Lag= 0.0 min
Primary = 18.22 cfs @ 12.16 hrs, Volume= 1.997 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.16' @ 12.16 hrs
Flood Elev= 301.50'

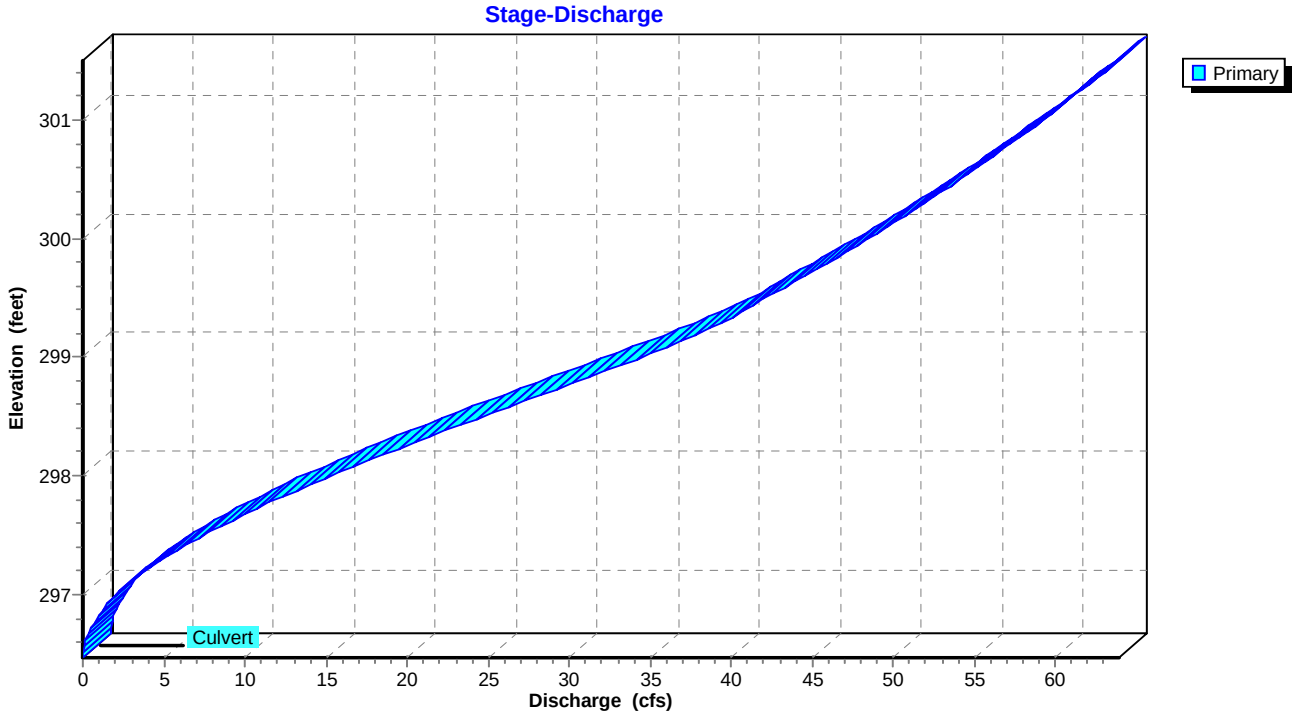
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=18.21 cfs @ 12.16 hrs HW=298.16' TW=295.73' (Dynamic Tailwater)
1=Culvert (Inlet Controls 18.21 cfs @ 4.43 fps)

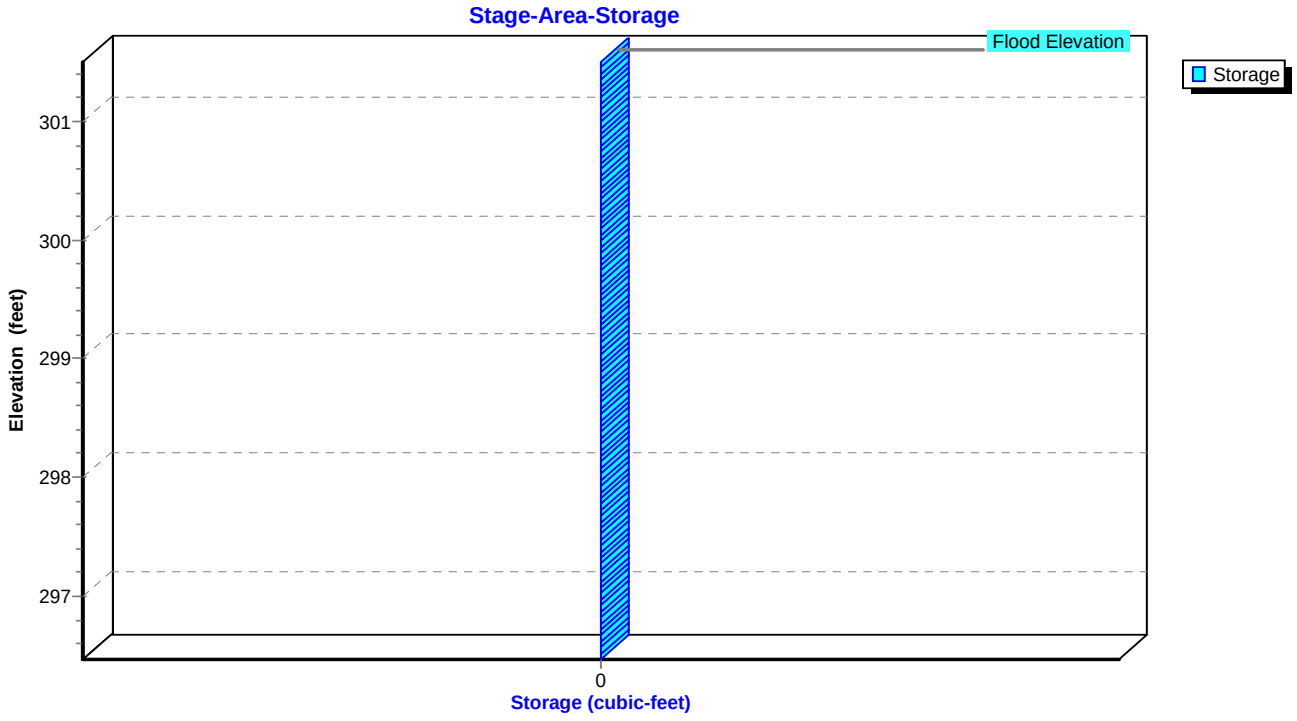
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.47	0.00
7.00	0.00	296.47	0.00
7.50	0.00	296.47	0.00
8.00	0.00	296.47	0.00
8.50	0.01	296.50	0.01
9.00	0.04	296.54	0.04
9.50	0.12	296.59	0.12
10.00	0.27	296.66	0.27
10.50	0.49	296.72	0.49
11.00	0.81	296.80	0.81
11.50	1.57	296.93	1.57
12.00	**11.35**	**297.77**	**11.35**
12.50	**10.37**	**297.70**	**10.37**
13.00	3.58	297.17	3.58
13.50	2.46	297.05	2.46
14.00	2.02	296.99	2.02
14.50	1.73	296.95	1.73
15.00	1.52	296.92	1.52
15.50	1.31	296.89	1.31
16.00	1.10	296.85	1.10
16.50	0.96	296.83	0.96
17.00	0.86	296.81	0.86
17.50	0.77	296.79	0.77
18.00	0.67	296.77	0.67
18.50	0.62	296.75	0.62
19.00	0.59	296.75	0.59
19.50	0.56	296.74	0.56
20.00	0.53	296.73	0.53
20.50	0.51	296.73	0.51
21.00	0.48	296.72	0.48
21.50	0.46	296.72	0.46
22.00	0.44	296.71	0.44
22.50	0.42	296.70	0.42
23.00	0.40	296.70	0.40
23.50	0.38	296.69	0.38
24.00	0.35	296.68	0.35

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

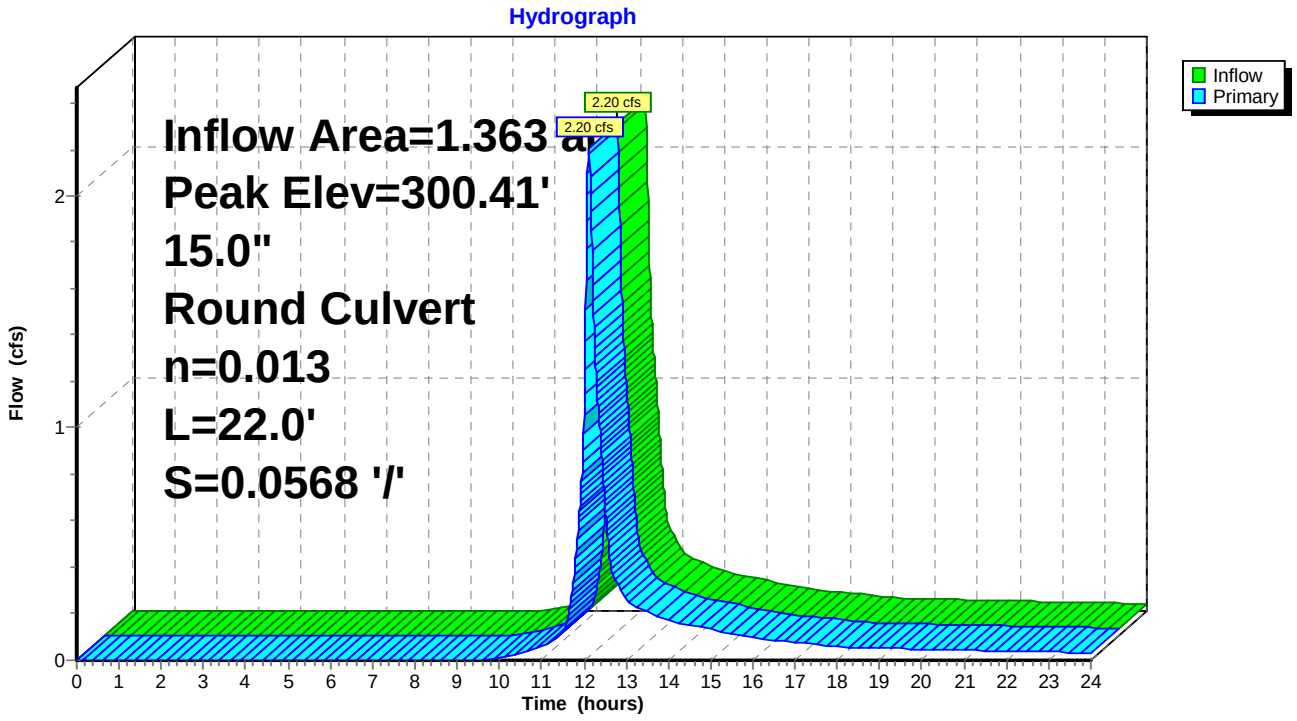
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 1.49" for 2-Year event
Inflow = 2.20 cfs @ 12.12 hrs, Volume= 0.170 af
Outflow = 2.20 cfs @ 12.12 hrs, Volume= 0.170 af, Atten= 0%, Lag= 0.0 min
Primary = 2.20 cfs @ 12.12 hrs, Volume= 0.170 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.41' @ 12.12 hrs
Flood Elev= 302.80'

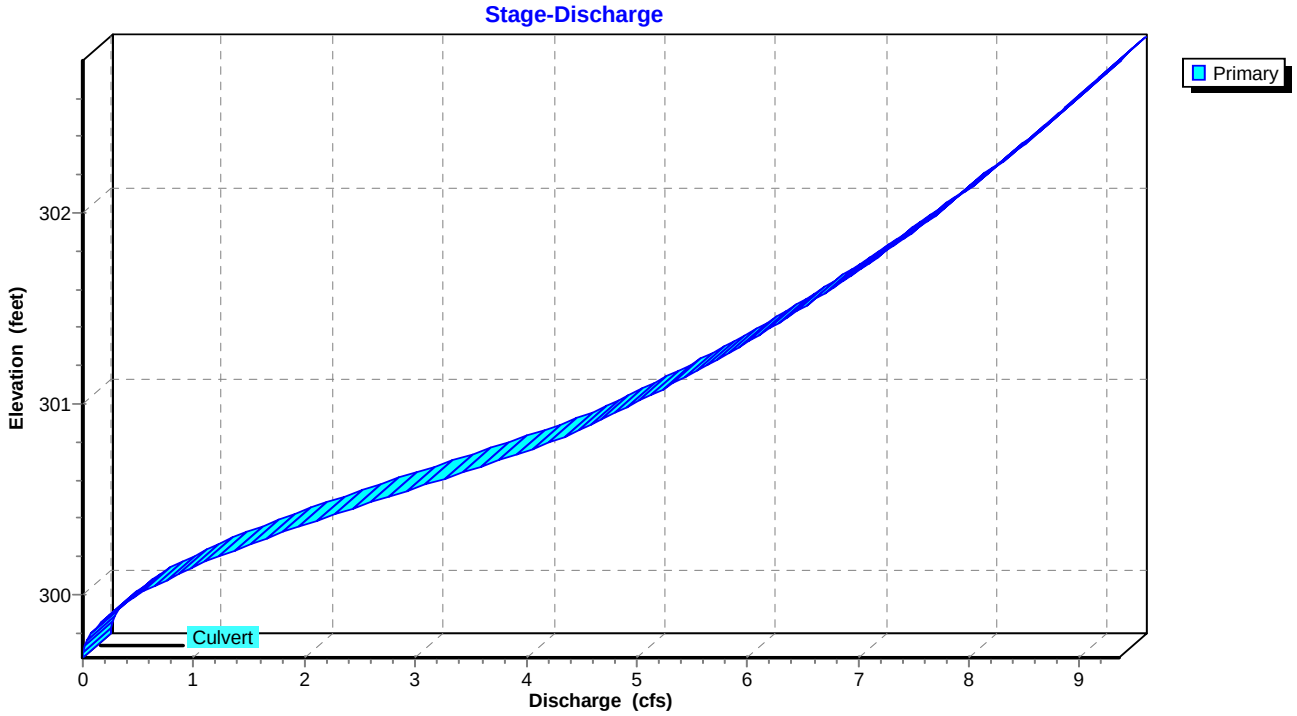
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.20 cfs @ 12.12 hrs HW=300.41' TW=298.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.20 cfs @ 2.92 fps)

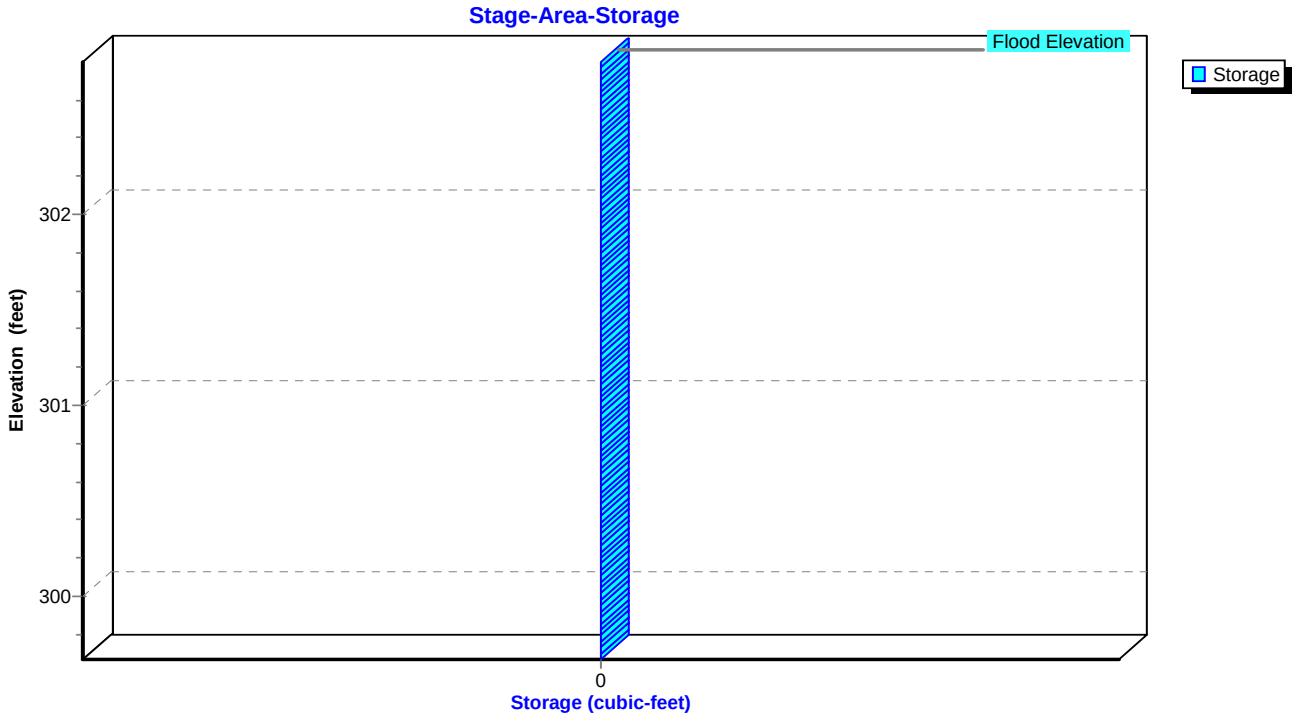
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.00	299.67	0.00
9.00	0.00	299.67	0.00
9.50	0.00	299.68	0.00
10.00	0.01	299.72	0.01
10.50	0.03	299.75	0.03
11.00	0.06	299.78	0.06
11.50	0.13	299.83	0.13
12.00	**1.05**	**300.16**	**1.05**
12.50	**0.69**	**300.06**	**0.69**
13.00	0.27	299.91	0.27
13.50	0.21	299.88	0.21
14.00	0.17	299.86	0.17
14.50	0.15	299.85	0.15
15.00	0.13	299.84	0.13
15.50	0.11	299.82	0.11
16.00	0.10	299.81	0.10
16.50	0.08	299.80	0.08
17.00	0.08	299.79	0.08
17.50	0.07	299.79	0.07
18.00	0.06	299.78	0.06
18.50	0.05	299.78	0.05
19.00	0.05	299.77	0.05
19.50	0.05	299.77	0.05
20.00	0.05	299.77	0.05
20.50	0.05	299.77	0.05
21.00	0.04	299.76	0.04
21.50	0.04	299.76	0.04
22.00	0.04	299.76	0.04
22.50	0.04	299.76	0.04
23.00	0.04	299.75	0.04
23.50	0.03	299.75	0.03
24.00	0.03	299.75	0.03

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	**9.33**
299.75	0.03	300.77	4.08	301.79	7.22		
299.77	0.05	300.79	4.18	301.81	7.27		
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
299.67	**0**
299.72	0
299.77	0
299.82	0
299.87	0
299.92	0
299.97	0
300.02	0
300.07	0
300.12	0
300.17	0
300.22	0
300.27	0
300.32	0
300.37	0
300.42	0
300.47	0
300.52	0
300.57	0
300.62	0
300.67	0
300.72	0
300.77	0
300.82	0
300.87	0
300.92	0
300.97	0
301.02	0
301.07	0
301.12	0
301.17	0
301.22	0
301.27	0
301.32	0
301.37	0
301.42	0
301.47	0
301.52	0
301.57	0
301.62	0
301.67	0
301.72	0
301.77	0
301.82	0
301.87	0
301.92	0
301.97	0
302.02	0
302.07	0
302.12	0
302.17	0
302.22	0
302.27	0
302.32	0
302.37	0
302.42	0
302.47	0
302.52	0
302.57	0
302.62	0
302.67	0
302.72	0
302.77	0

Summary for Pond CB13: Catchbasin

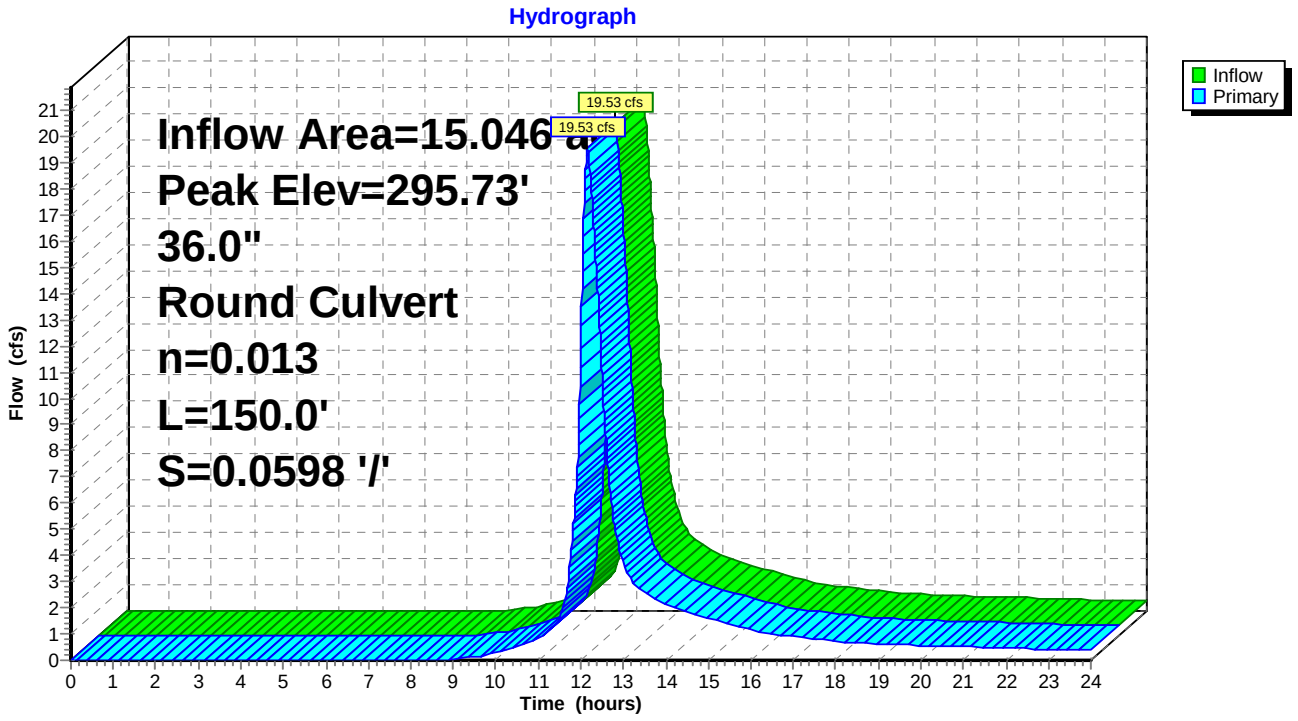
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 1.68" for 2-Year event
Inflow = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af
Outflow = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af, Atten= 0%, Lag= 0.0 min
Primary = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.73' @ 12.16 hrs
Flood Elev= 298.50'

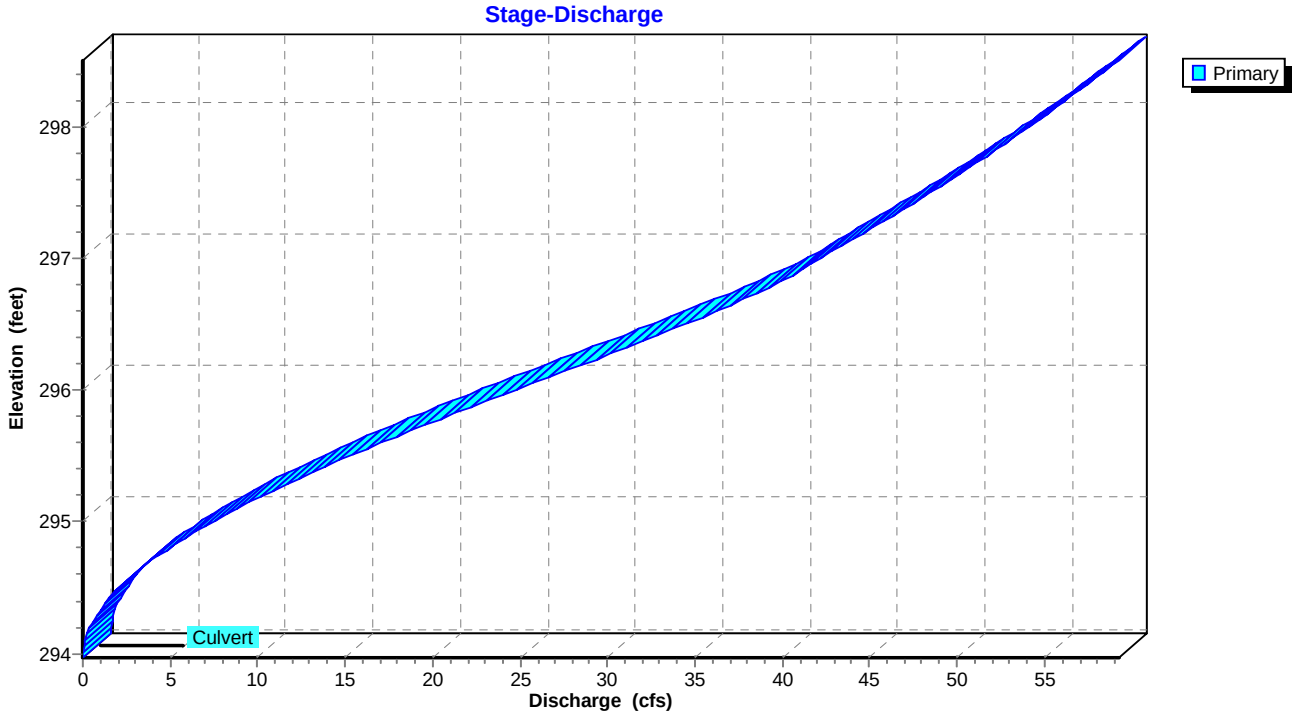
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.52 cfs @ 12.16 hrs HW=295.73' TW=286.76' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.52 cfs @ 4.52 fps)

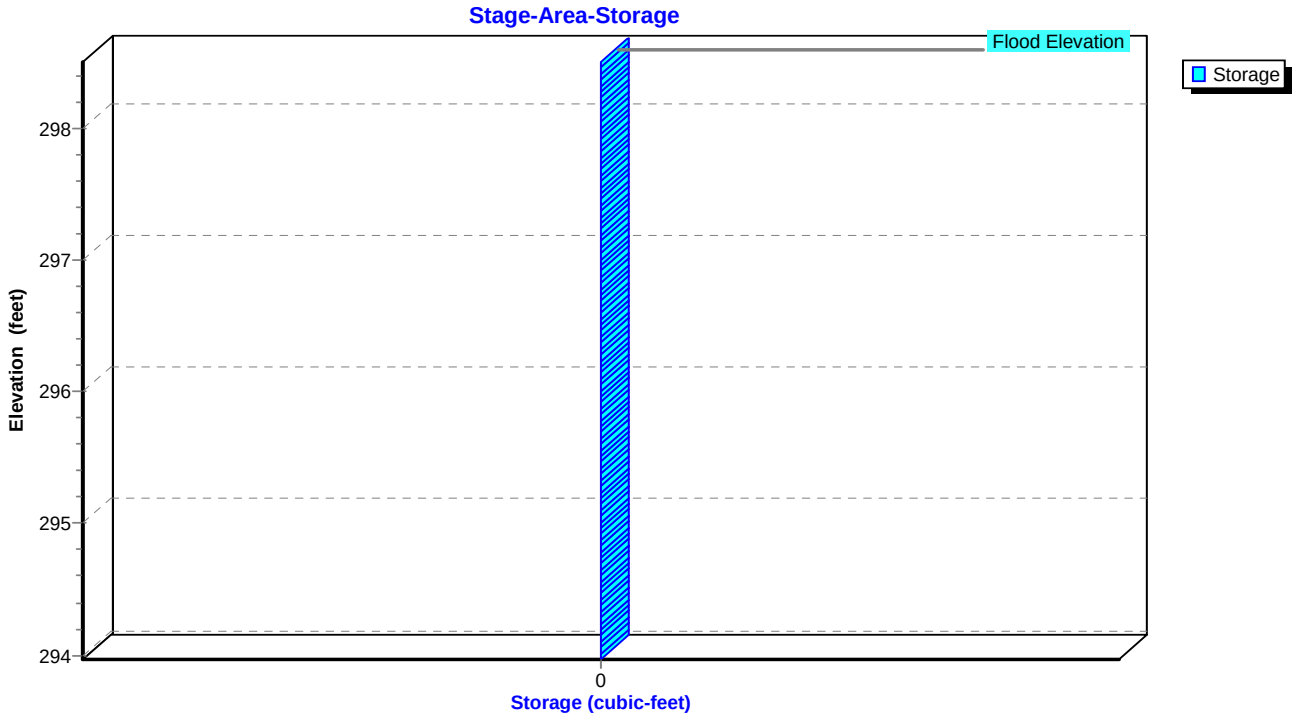
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.00	293.97	0.00
7.50	0.00	293.97	0.00
8.00	0.00	293.97	0.00
8.50	0.01	294.00	0.01
9.00	0.04	294.04	0.04
9.50	0.13	294.10	0.13
10.00	0.28	294.16	0.28
10.50	0.52	294.23	0.52
11.00	0.86	294.31	0.86
11.50	1.66	294.44	1.66
12.00	**11.93**	**295.30**	**11.93**
12.50	**10.90**	**295.24**	**10.90**
13.00	3.76	294.69	3.76
13.50	2.59	294.56	2.59
14.00	2.13	294.51	2.13
14.50	1.82	294.46	1.82
15.00	1.61	294.43	1.61
15.50	1.39	294.40	1.39
16.00	1.16	294.36	1.16
16.50	1.01	294.34	1.01
17.00	0.91	294.32	0.91
17.50	0.81	294.30	0.81
18.00	0.71	294.28	0.71
18.50	0.65	294.26	0.65
19.00	0.62	294.25	0.62
19.50	0.59	294.25	0.59
20.00	0.56	294.24	0.56
20.50	0.53	294.23	0.53
21.00	0.51	294.23	0.51
21.50	0.49	294.22	0.49
22.00	0.47	294.22	0.47
22.50	0.44	294.21	0.44
23.00	0.42	294.20	0.42
23.50	0.40	294.20	0.40
24.00	0.37	294.19	0.37

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	**58.95**
295.97	24.10		
296.02	25.09		
296.07	26.08		
296.12	27.07		
296.17	28.05		
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

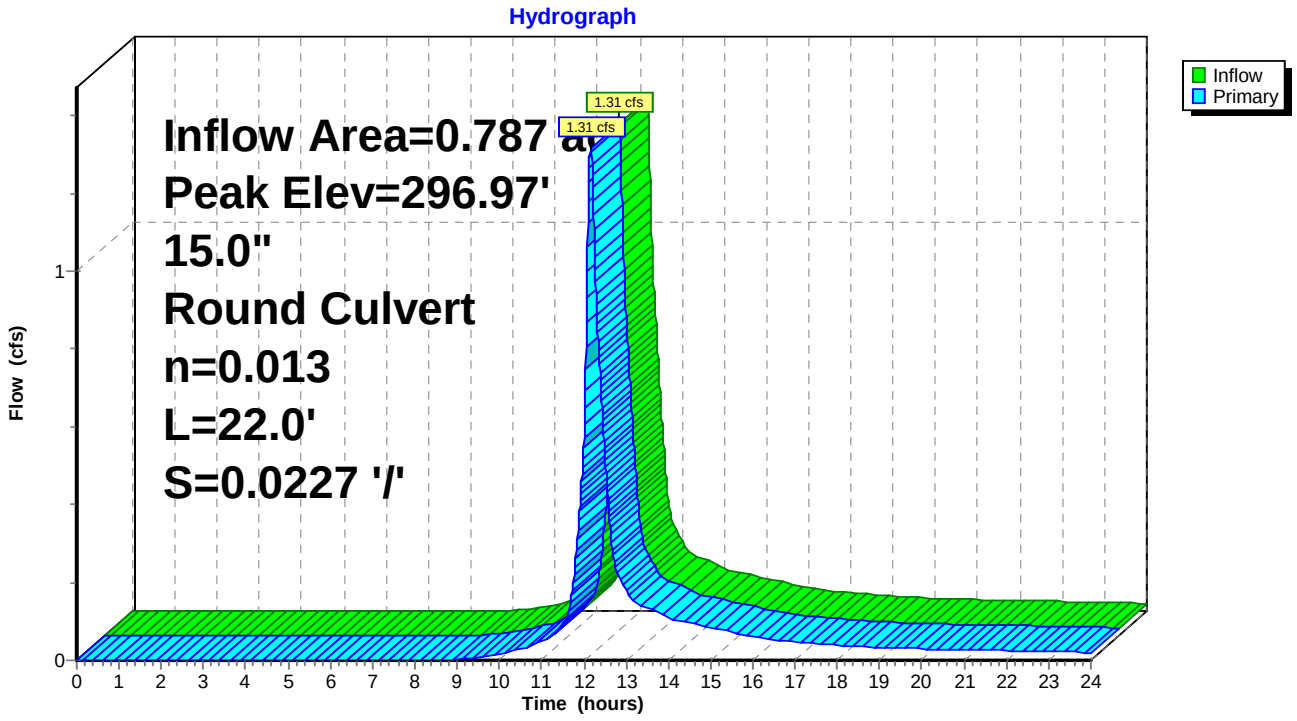
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 1.31 cfs @ 12.16 hrs, Volume= 0.112 af
Outflow = 1.31 cfs @ 12.16 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.16 hrs, Volume= 0.112 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.97' @ 12.16 hrs
Flood Elev= 299.00'

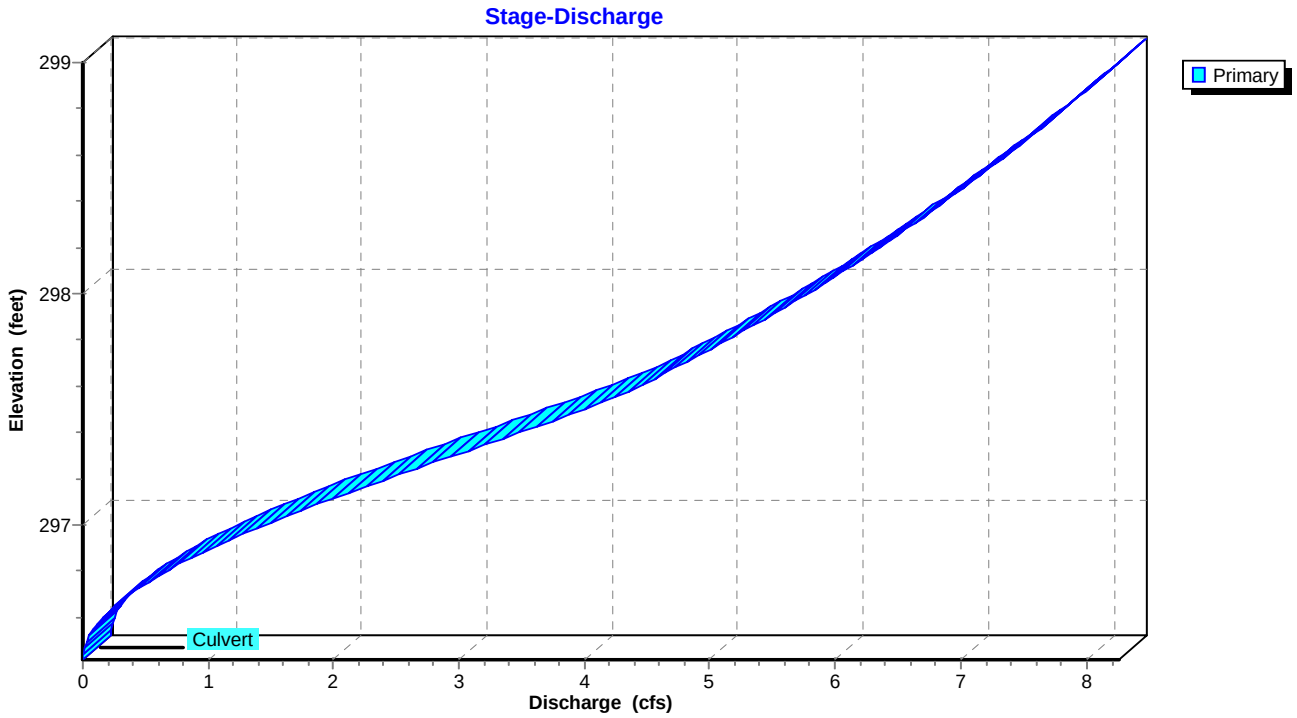
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.31 cfs @ 12.16 hrs HW=296.97' TW=295.73' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.31 cfs @ 2.52 fps)

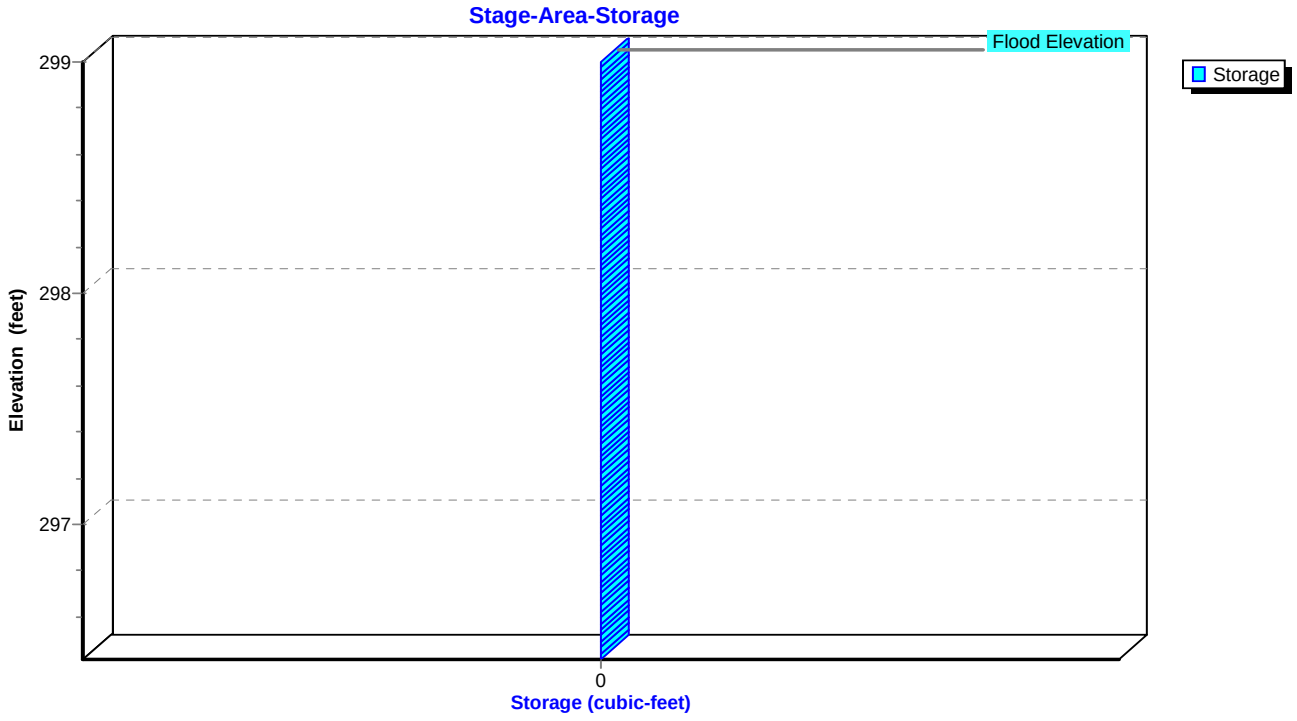
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.42	0.00
8.00	0.00	296.42	0.00
8.50	0.00	296.42	0.00
9.00	0.00	296.44	0.00
9.50	0.01	296.46	0.01
10.00	0.02	296.48	0.02
10.50	0.03	296.50	0.03
11.00	0.05	296.52	0.05
11.50	0.09	296.56	0.09
12.00	**0.57**	**296.77**	**0.57**
12.50	**0.53**	**296.76**	**0.53**
13.00	0.18	296.61	0.18
13.50	0.13	296.59	0.13
14.00	0.11	296.57	0.11
14.50	0.10	296.56	0.10
15.00	0.08	296.55	0.08
15.50	0.07	296.54	0.07
16.00	0.06	296.53	0.06
16.50	0.05	296.52	0.05
17.00	0.05	296.52	0.05
17.50	0.04	296.51	0.04
18.00	0.04	296.51	0.04
18.50	0.03	296.50	0.03
19.00	0.03	296.50	0.03
19.50	0.03	296.50	0.03
20.00	0.03	296.50	0.03
20.50	0.03	296.50	0.03
21.00	0.03	296.49	0.03
21.50	0.03	296.49	0.03
22.00	0.02	296.49	0.02
22.50	0.02	296.49	0.02
23.00	0.02	296.49	0.02
23.50	0.02	296.48	0.02
24.00	0.02	296.48	0.02

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

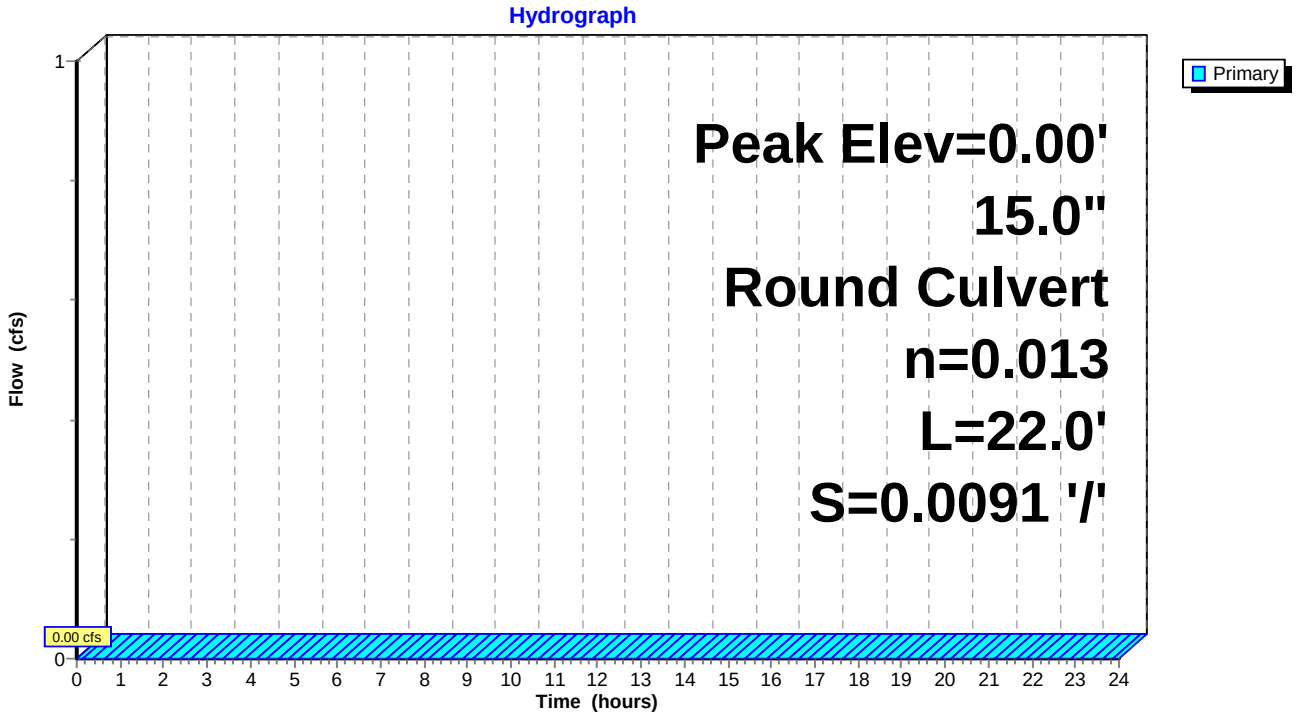
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

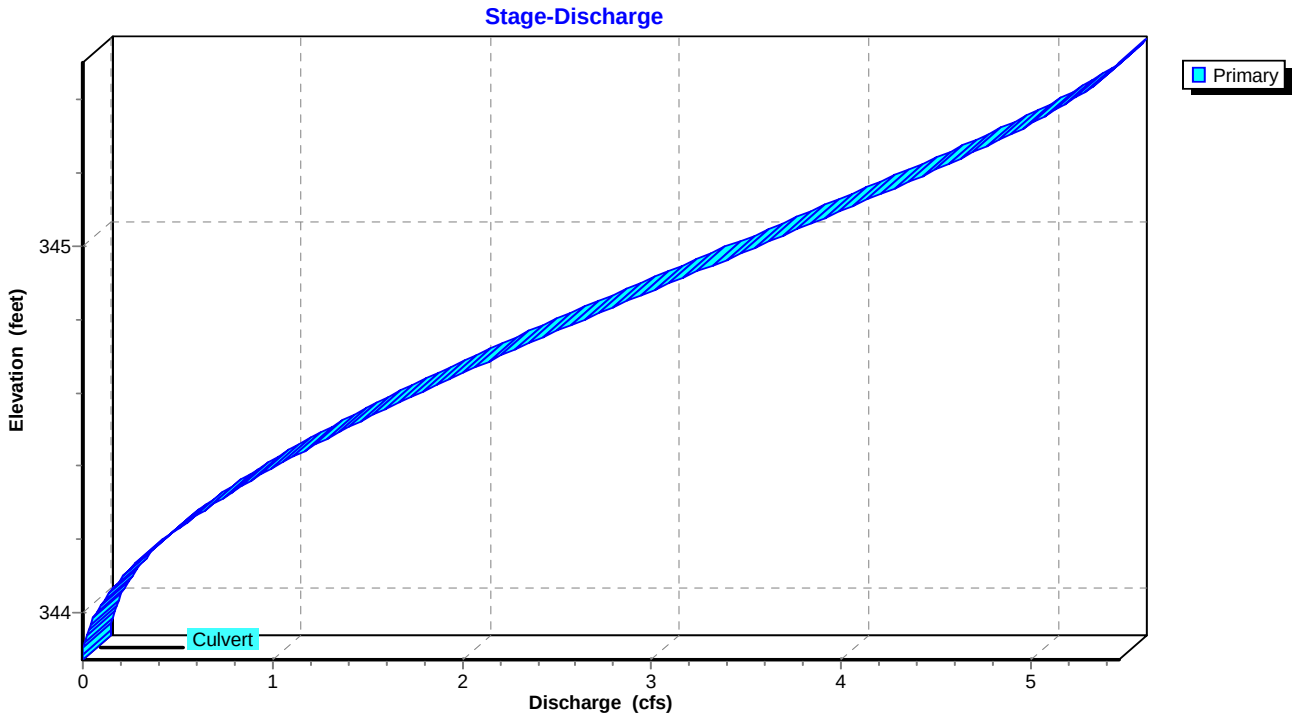
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

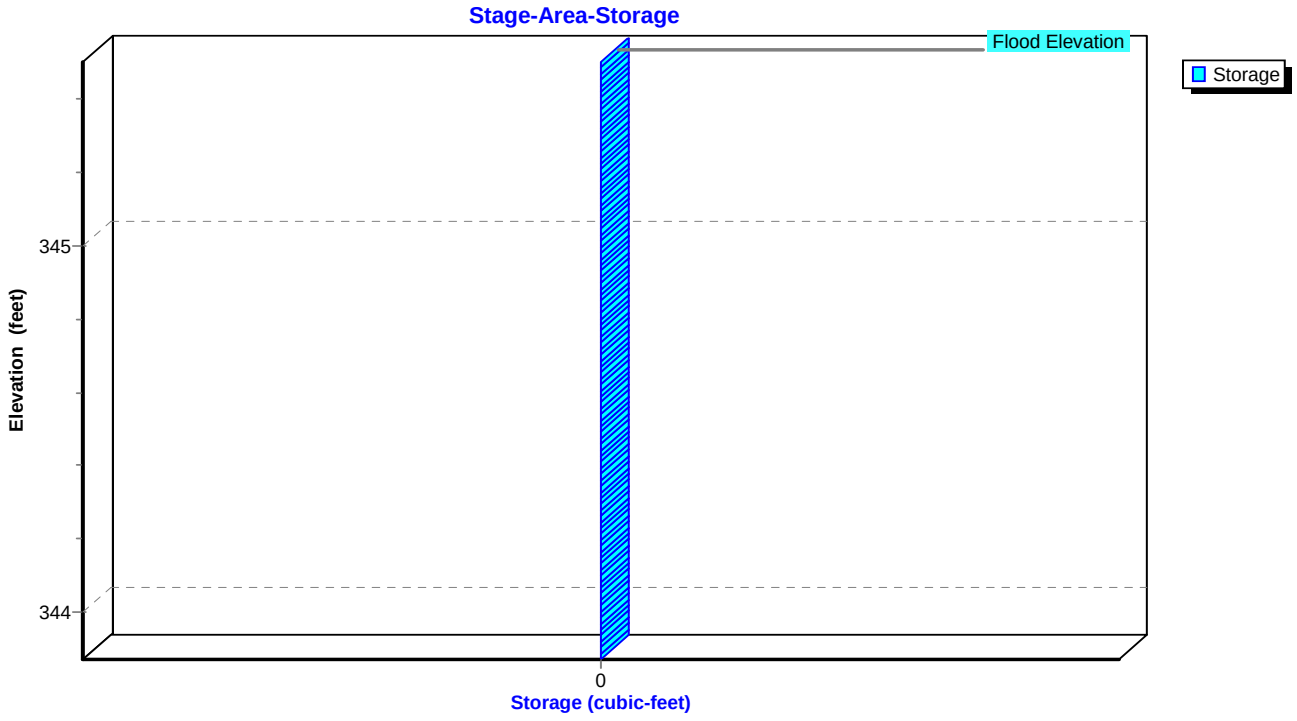
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

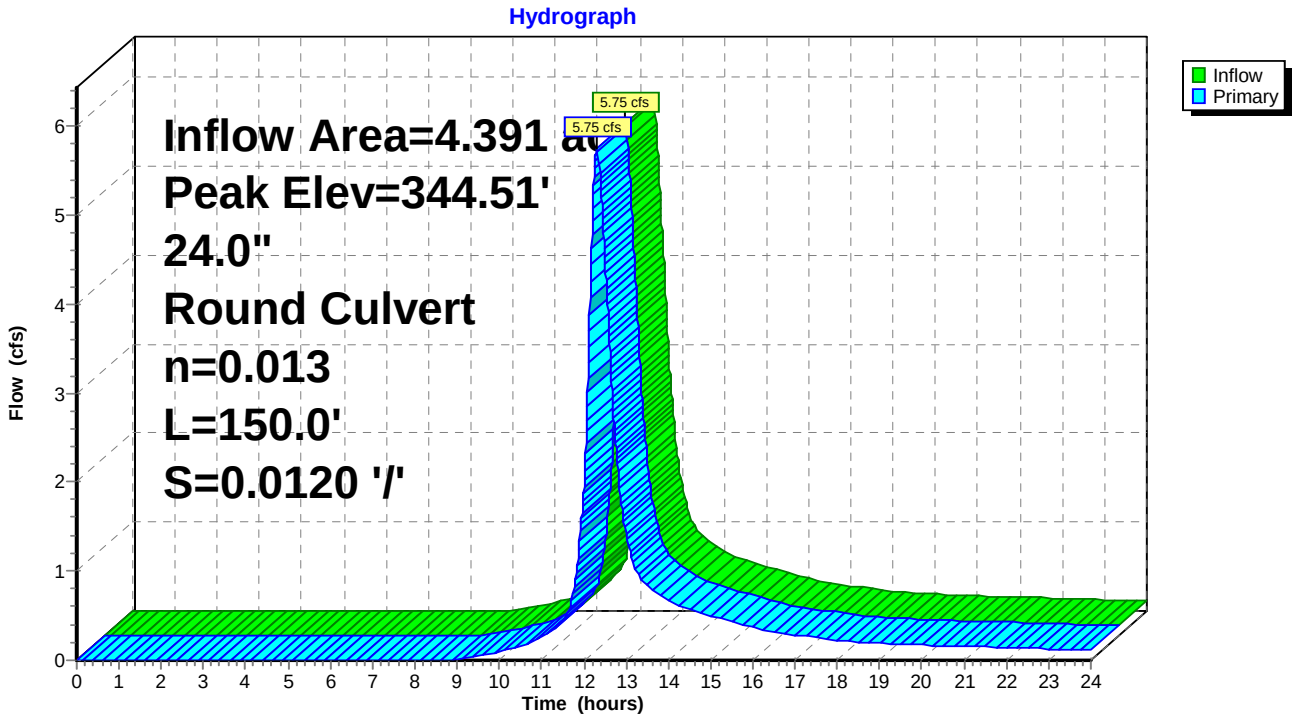
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af
Outflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af, Atten= 0%, Lag= 0.0 min
Primary = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.51' @ 12.31 hrs
Flood Elev= 347.00'

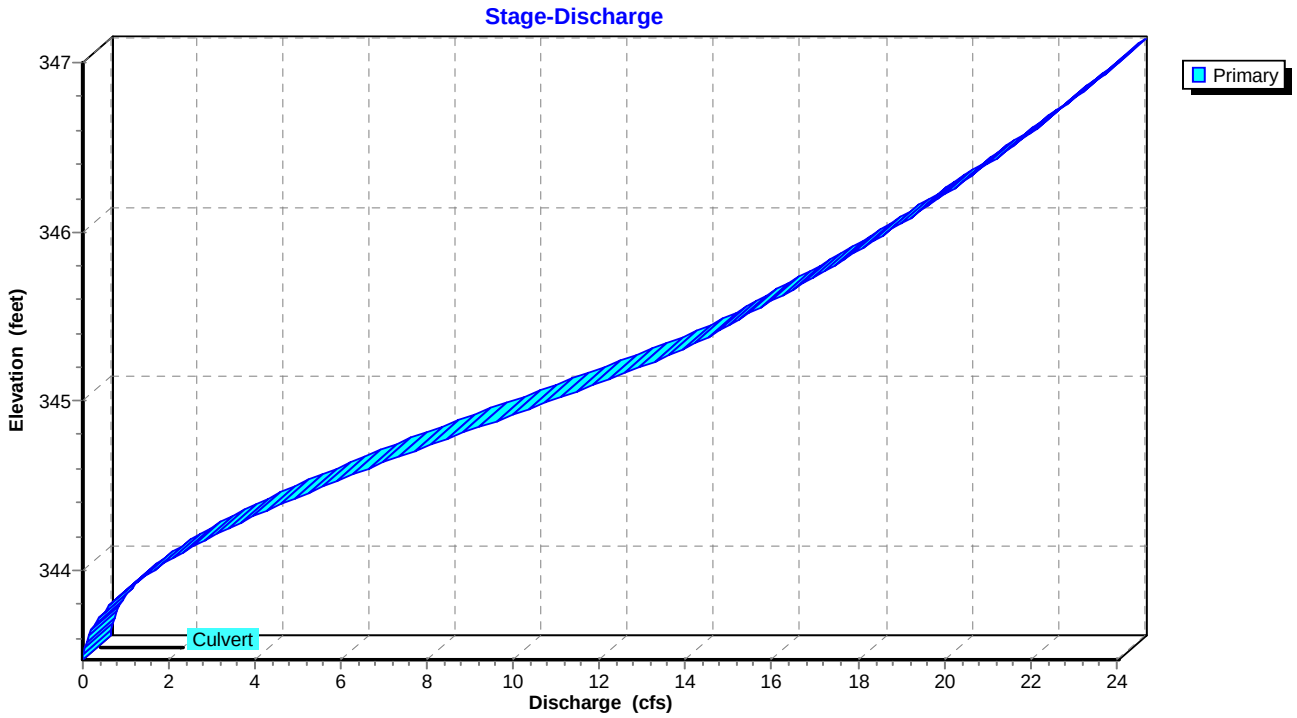
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.74 cfs @ 12.31 hrs HW=344.51' TW=342.65' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.74 cfs @ 3.47 fps)

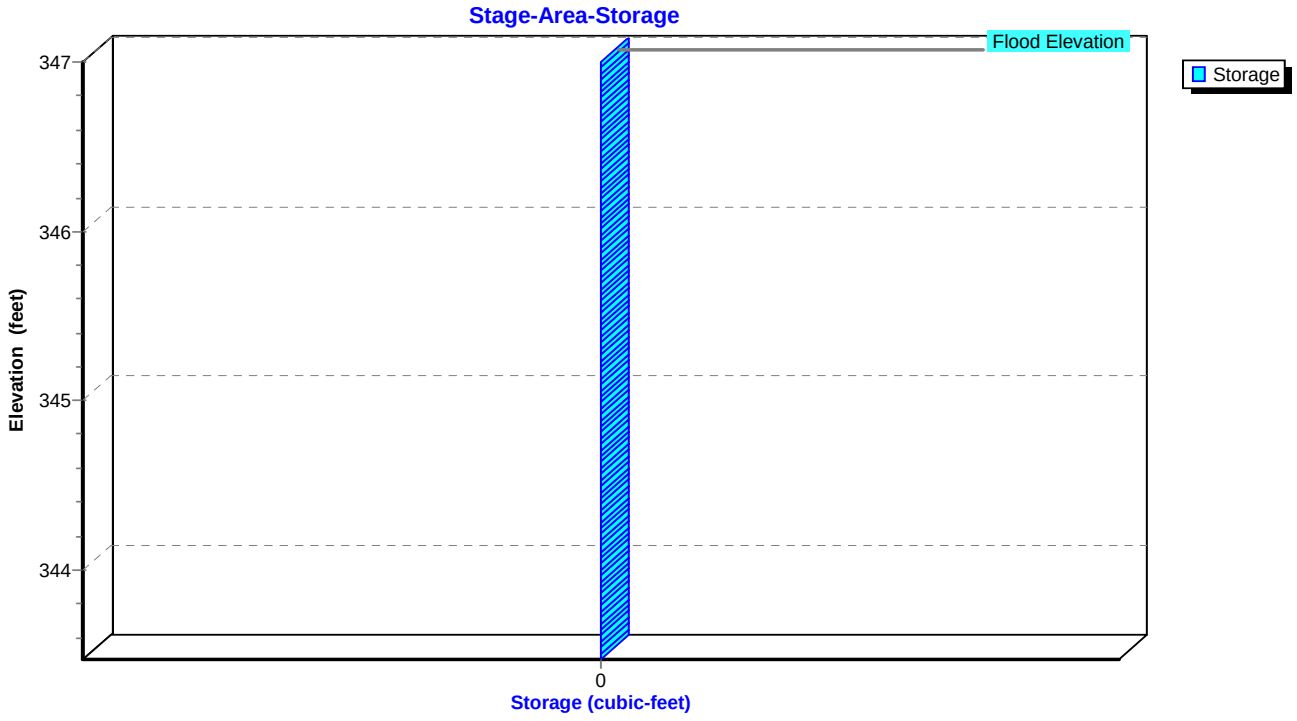
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.47	0.00
8.00	0.00	343.47	0.00
8.50	0.00	343.49	0.00
9.00	0.01	343.52	0.01
9.50	0.05	343.56	0.05
10.00	0.09	343.59	0.09
10.50	0.16	343.63	0.16
11.00	0.26	343.67	0.26
11.50	0.45	343.74	0.45
12.00	**1.95**	**344.05**	**1.95**
12.50	**4.53**	**344.38**	**4.53**
13.00	1.42	343.96	1.42
13.50	0.84	343.84	0.84
14.00	0.68	343.80	0.68
14.50	0.57	343.78	0.57
15.00	0.50	343.76	0.50
15.50	0.44	343.74	0.44
16.00	0.37	343.71	0.37
16.50	0.31	343.69	0.31
17.00	0.28	343.68	0.28
17.50	0.25	343.67	0.25
18.00	0.22	343.66	0.22
18.50	0.20	343.65	0.20
19.00	0.19	343.64	0.19
19.50	0.18	343.64	0.18
20.00	0.17	343.63	0.17
20.50	0.16	343.63	0.16
21.00	0.16	343.63	0.16
21.50	0.15	343.62	0.15
22.00	0.14	343.62	0.14
22.50	0.13	343.62	0.13
23.00	0.13	343.61	0.13
23.50	0.12	343.61	0.12
24.00	0.11	343.60	0.11

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

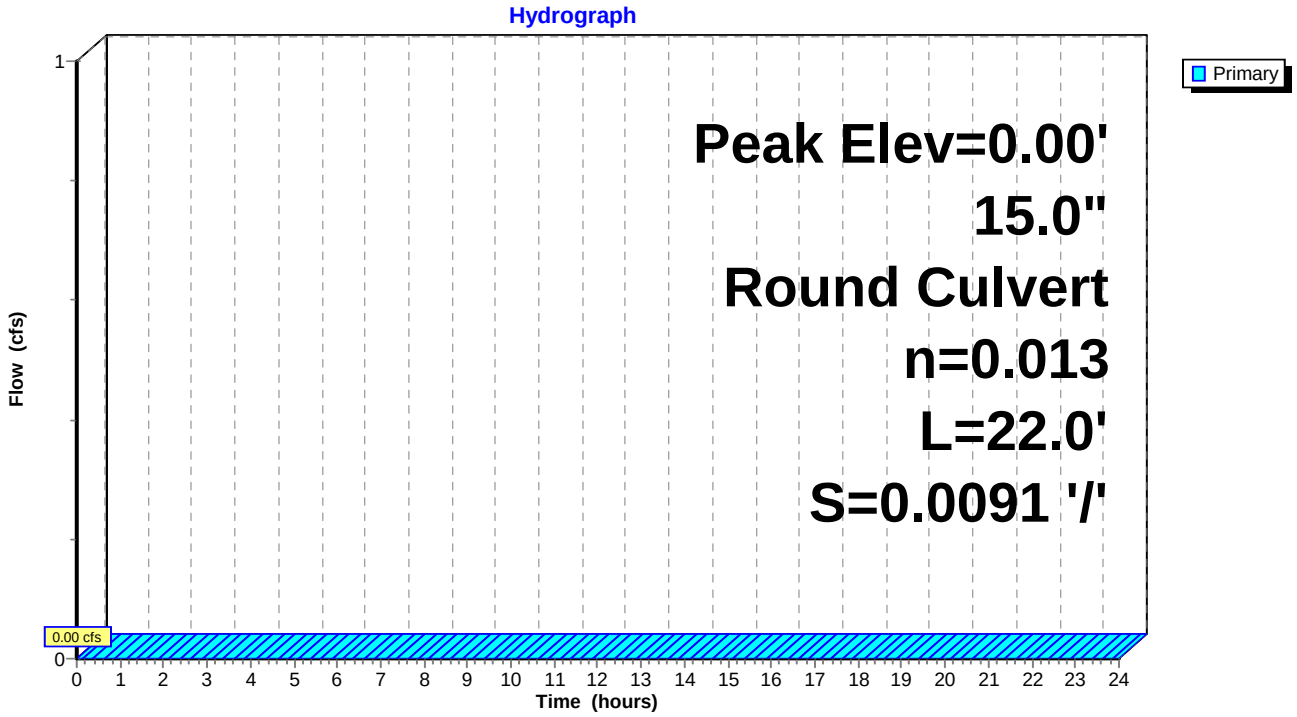
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

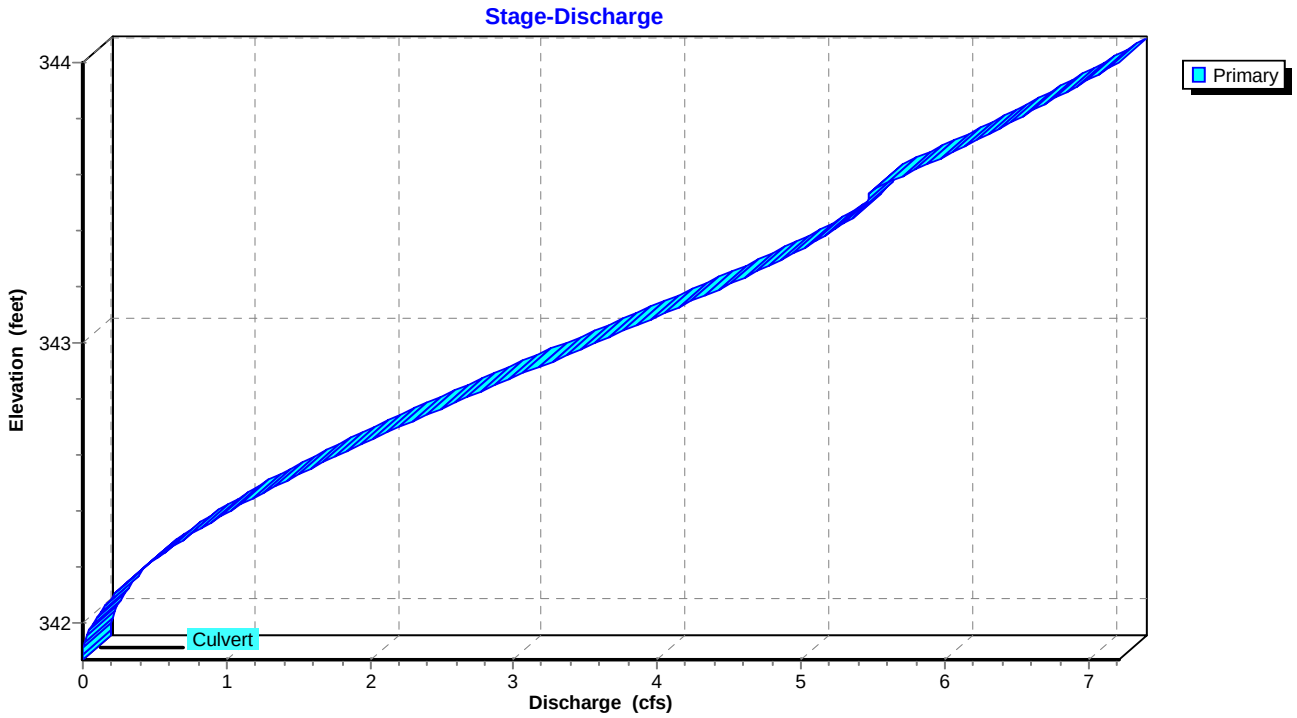
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

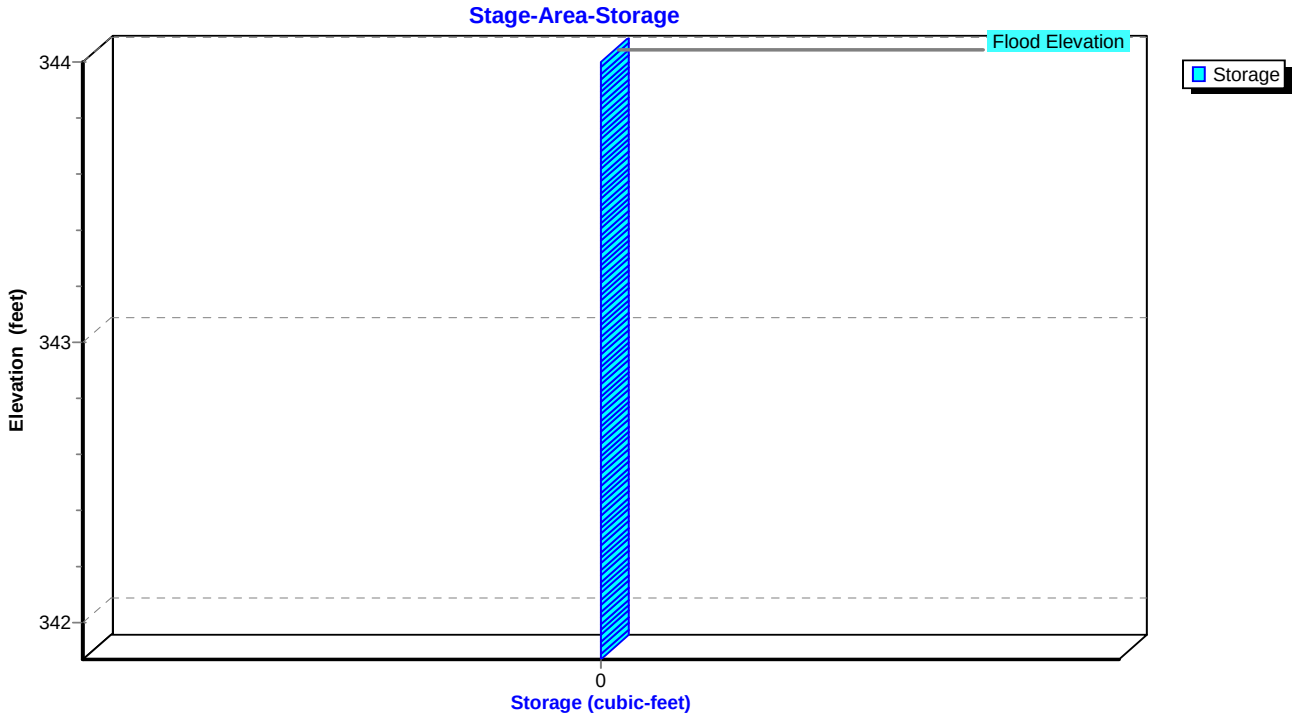
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

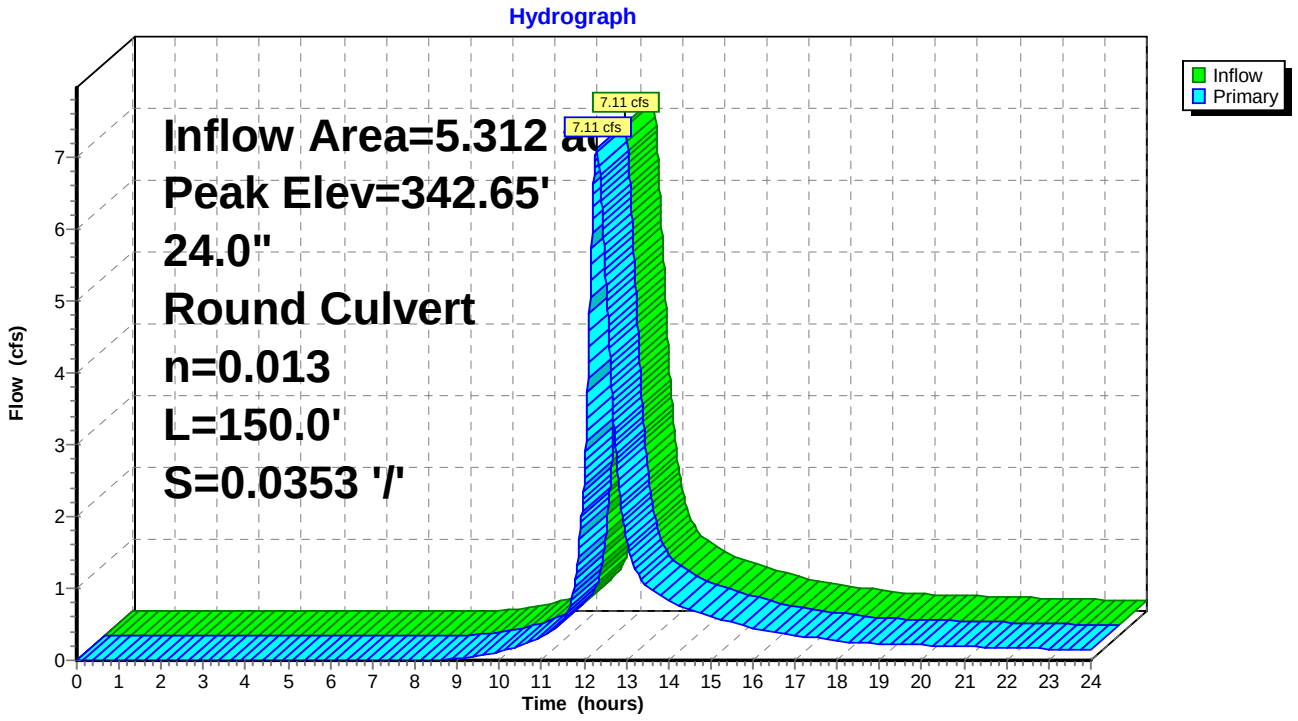
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.80" for 2-Year event
Inflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af
Outflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af, Atten= 0%, Lag= 0.0 min
Primary = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.65' @ 12.31 hrs
Flood Elev= 345.00'

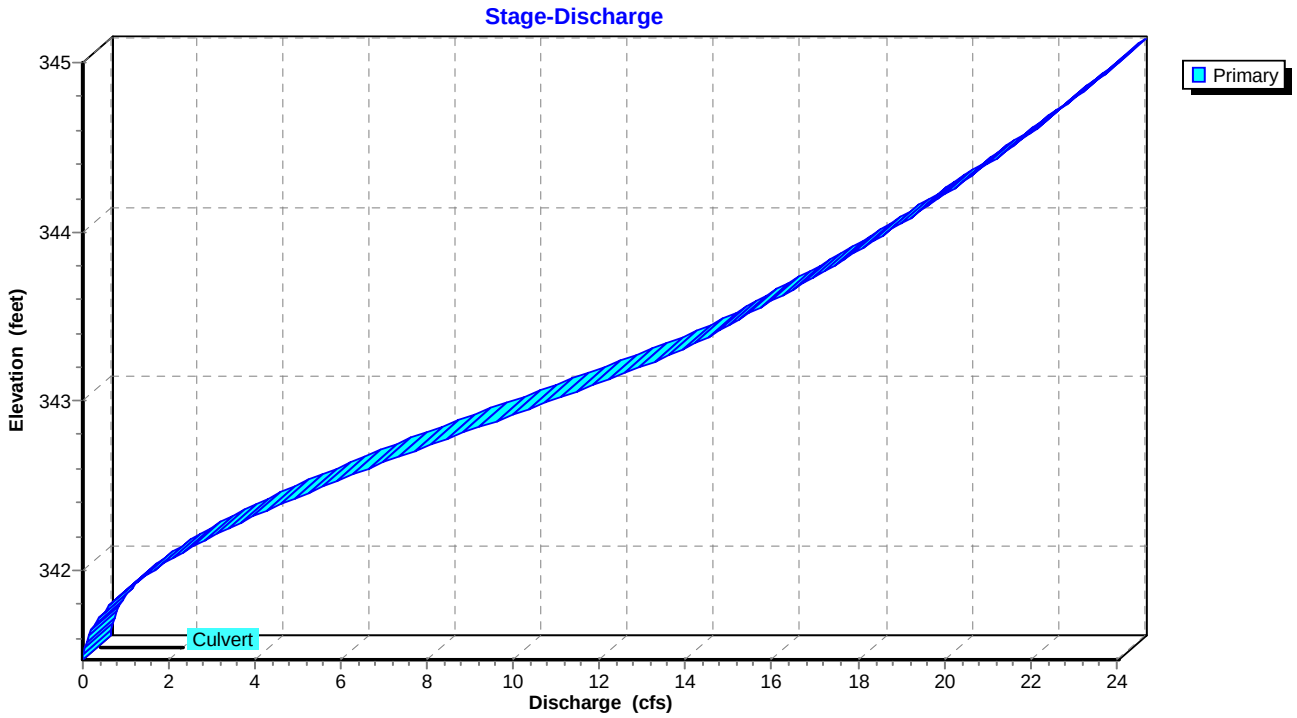
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.11 cfs @ 12.31 hrs HW=342.65' TW=336.38' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 7.11 cfs @ 3.69 fps)

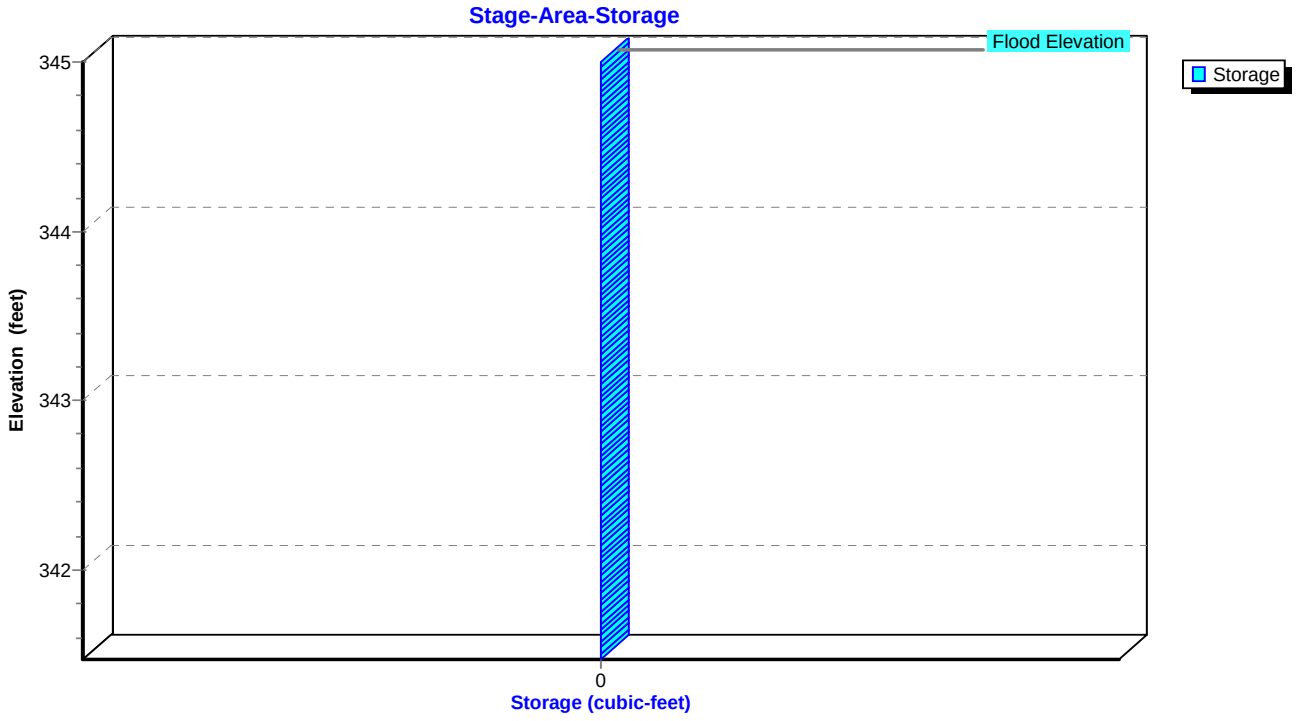
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.47	0.00
7.50	0.00	341.47	0.00
8.00	0.00	341.47	0.00
8.50	0.00	341.50	0.00
9.00	0.02	341.53	0.02
9.50	0.07	341.57	0.07
10.00	0.12	341.61	0.12
10.50	0.20	341.65	0.20
11.00	0.33	341.70	0.33
11.50	0.57	341.77	0.57
12.00	**2.43**	**342.12**	**2.43**
12.50	**5.54**	**342.49**	**5.54**
13.00	1.72	342.01	1.72
13.50	1.02	341.88	1.02
14.00	0.83	341.84	0.83
14.50	0.69	341.81	0.69
15.00	0.61	341.79	0.61
15.50	0.53	341.76	0.53
16.00	0.45	341.74	0.45
16.50	0.38	341.72	0.38
17.00	0.34	341.71	0.34
17.50	0.31	341.69	0.31
18.00	0.27	341.68	0.27
18.50	0.24	341.67	0.24
19.00	0.23	341.66	0.23
19.50	0.22	341.66	0.22
20.00	0.21	341.65	0.21
20.50	0.20	341.65	0.20
21.00	0.19	341.64	0.19
21.50	0.18	341.64	0.18
22.00	0.17	341.64	0.17
22.50	0.16	341.63	0.16
23.00	0.16	341.63	0.16
23.50	0.15	341.62	0.15
24.00	0.14	341.62	0.14

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0

Elevation (feet)	Storage (cubic-feet)
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

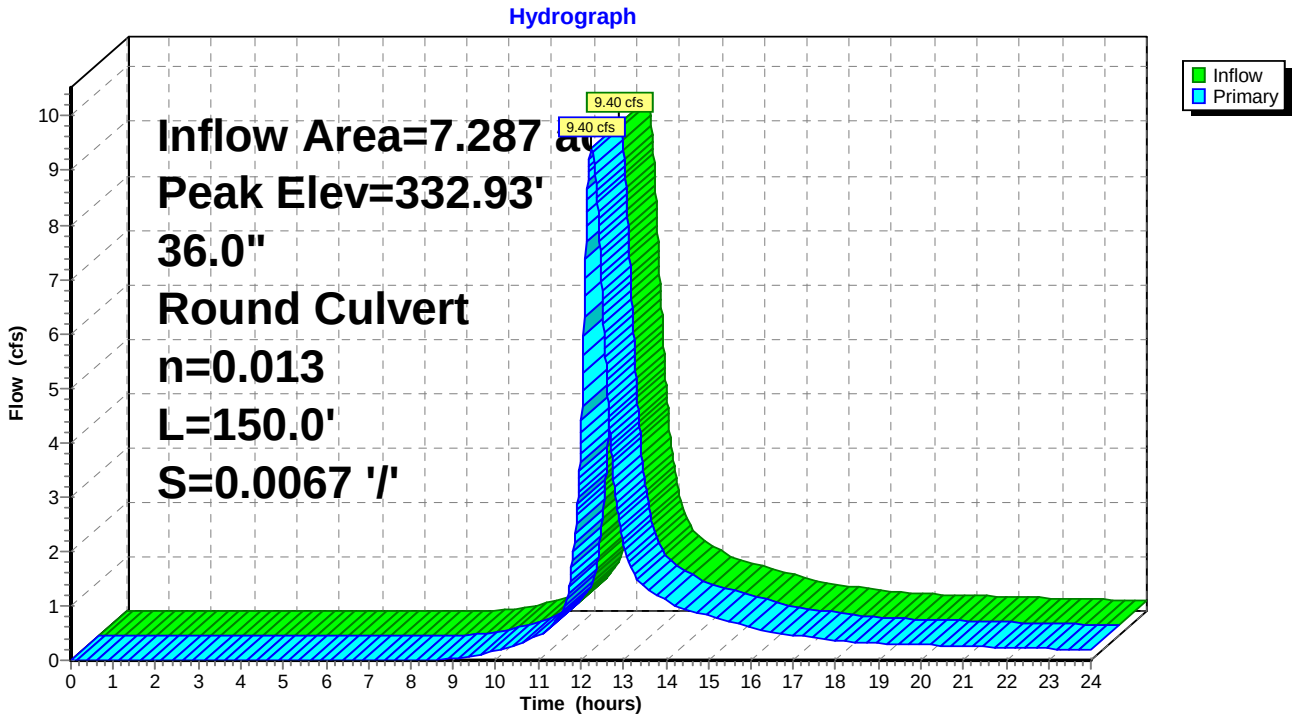
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.93' @ 12.26 hrs
Flood Elev= 337.75'

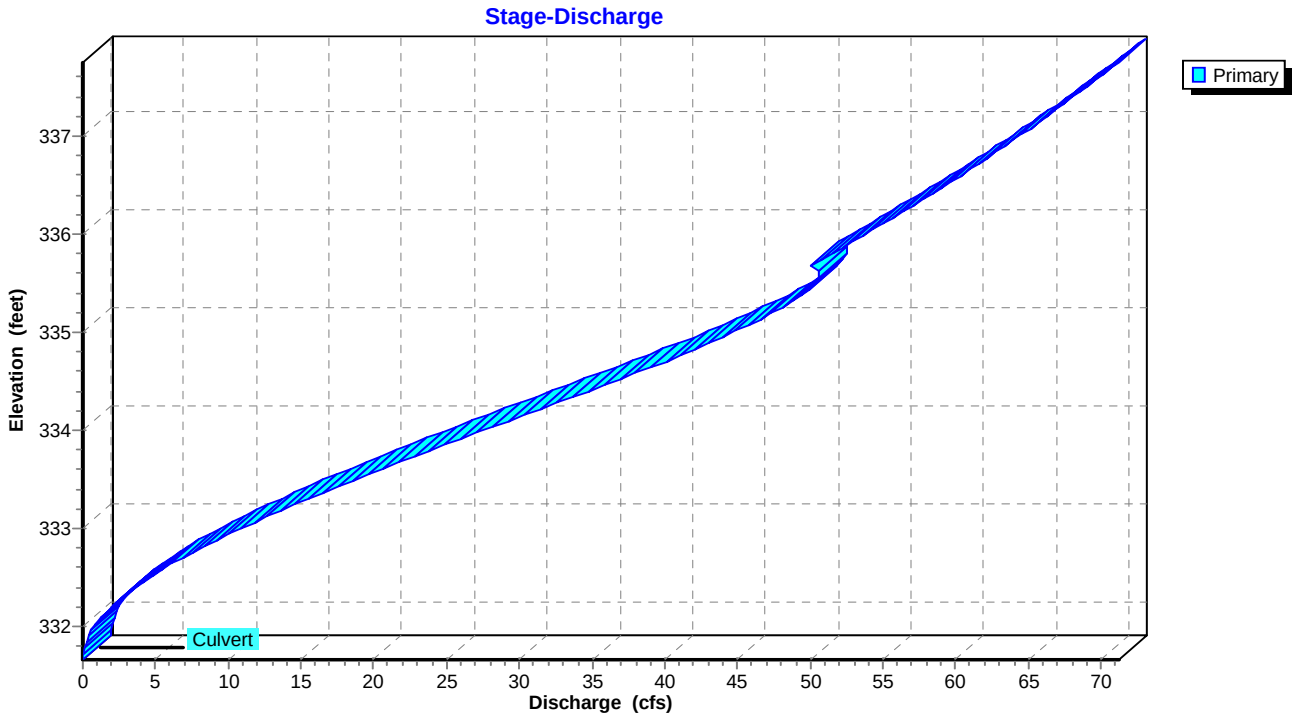
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=332.93' TW=331.73' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 9.40 cfs @ 4.91 fps)

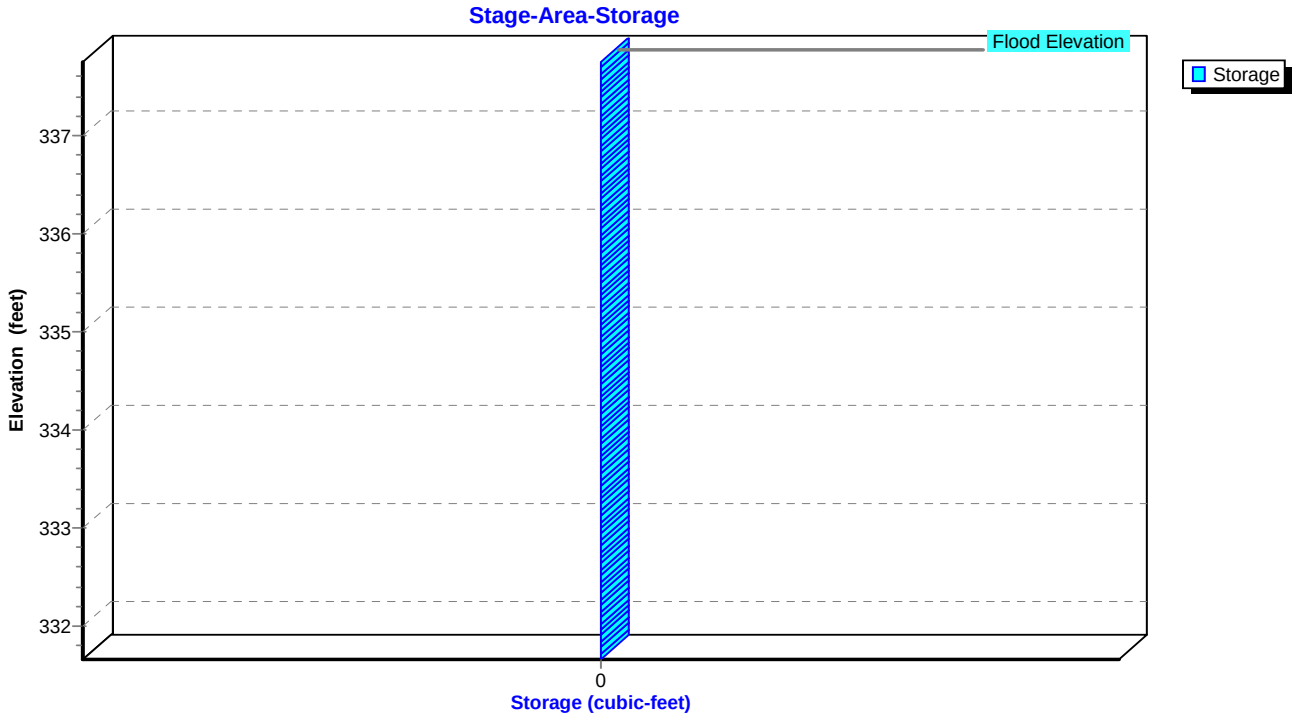
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.67	0.00
7.50	0.00	331.67	0.00
8.00	0.00	331.67	0.00
8.50	0.00	331.70	0.00
9.00	0.03	331.74	0.03
9.50	0.09	331.79	0.09
10.00	0.17	331.83	0.17
10.50	0.28	331.88	0.28
11.00	0.45	331.93	0.45
11.50	0.81	332.02	0.81
12.00	**3.98**	**332.45**	**3.98**
12.50	**6.79**	**332.71**	**6.79**
13.00	2.16	332.24	2.16
13.50	1.35	332.12	1.35
14.00	1.10	332.07	1.10
14.50	0.93	332.04	0.93
15.00	0.82	332.02	0.82
15.50	0.71	332.00	0.71
16.00	0.60	331.97	0.60
16.50	0.51	331.95	0.51
17.00	0.46	331.94	0.46
17.50	0.41	331.92	0.41
18.00	0.36	331.91	0.36
18.50	0.33	331.89	0.33
19.00	0.31	331.89	0.31
19.50	0.30	331.88	0.30
20.00	0.28	331.88	0.28
20.50	0.27	331.87	0.27
21.00	0.26	331.87	0.26
21.50	0.24	331.87	0.24
22.00	0.23	331.86	0.23
22.50	0.22	331.86	0.22
23.00	0.21	331.85	0.21
23.50	0.20	331.85	0.20
24.00	0.19	331.84	0.19

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

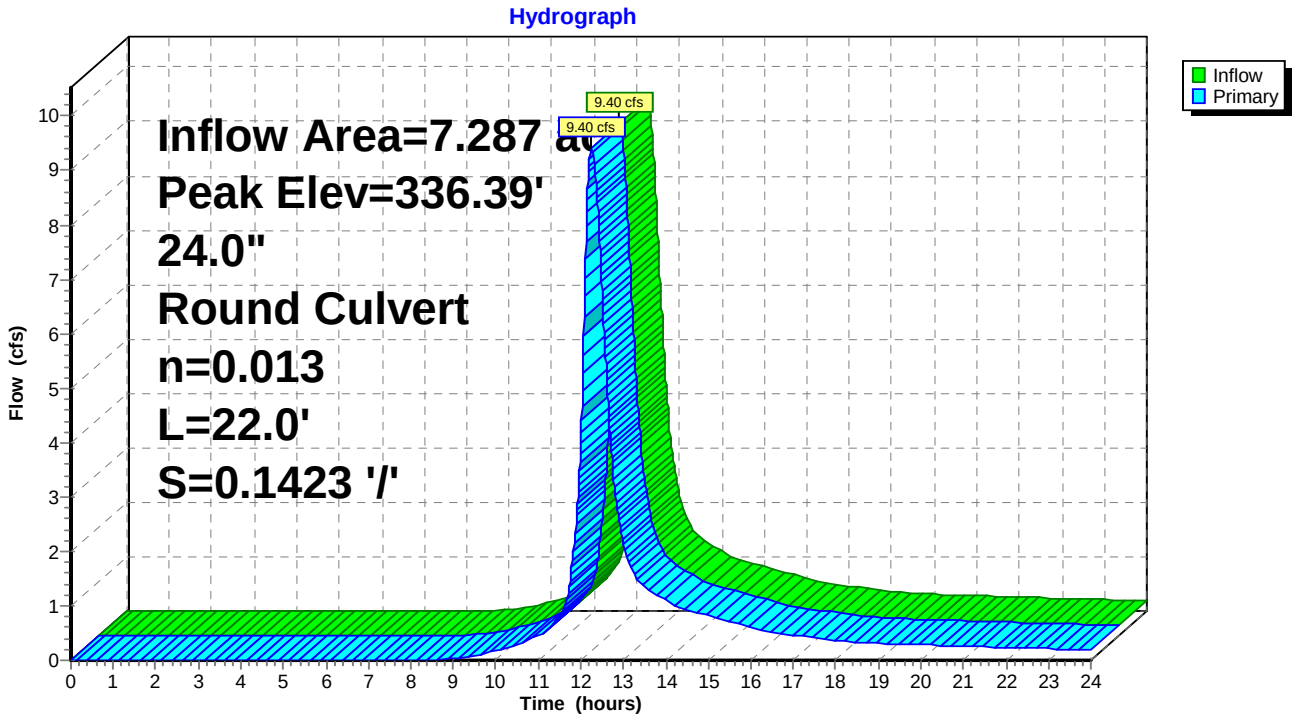
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.39' @ 12.26 hrs
Flood Elev= 339.50'

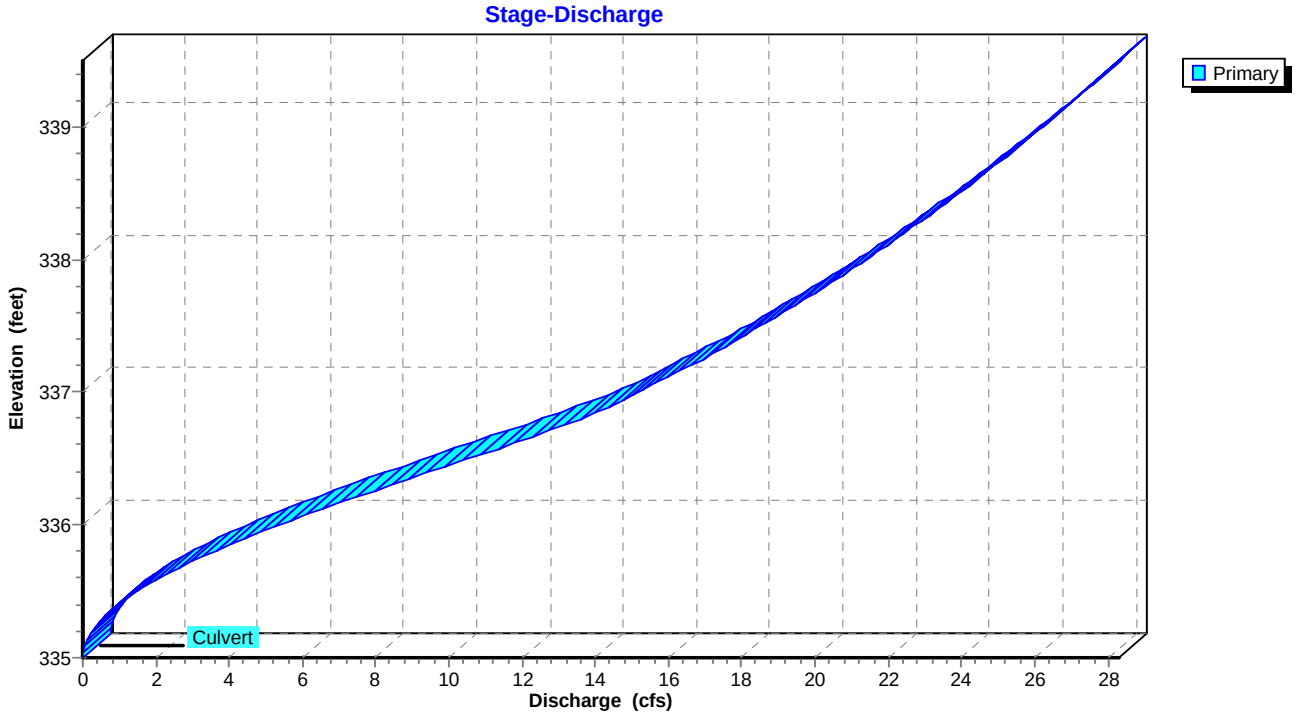
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=336.39' TW=332.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.40 cfs @ 4.02 fps)

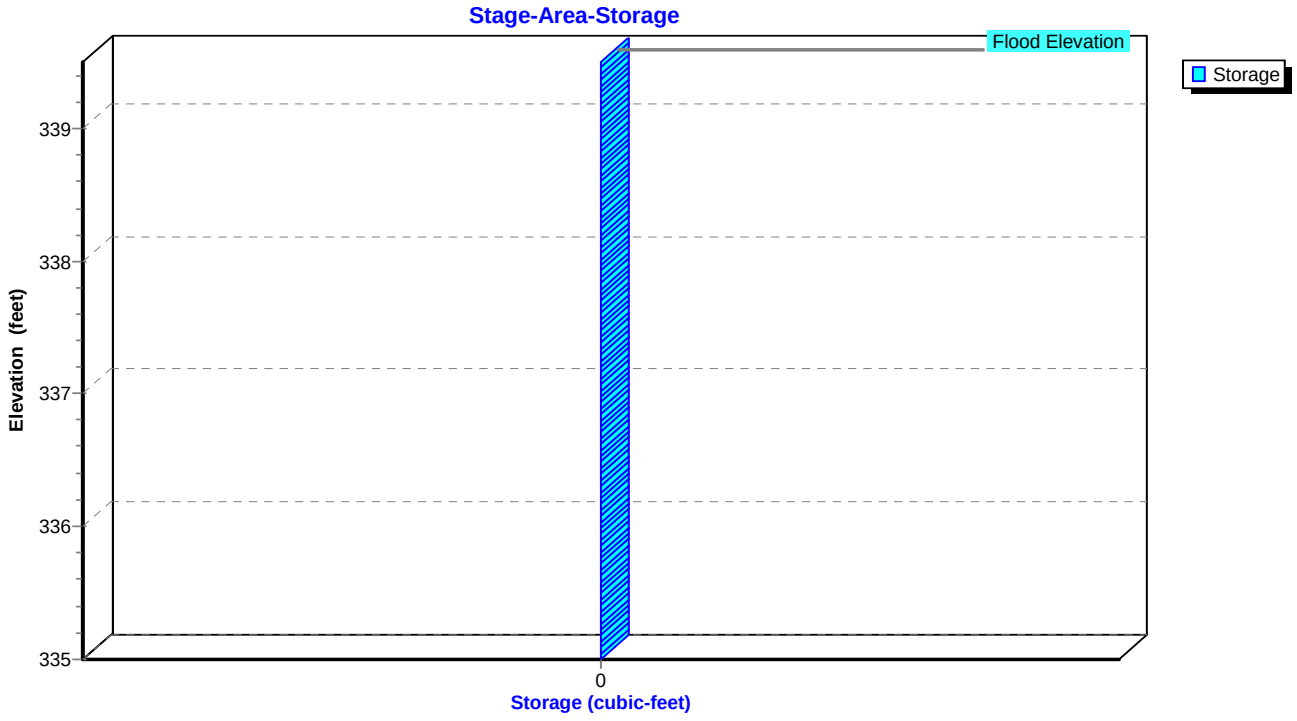
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.00	0.00
7.50	0.00	335.00	0.00
8.00	0.00	335.00	0.00
8.50	0.00	335.03	0.00
9.00	0.03	335.07	0.03
9.50	0.09	335.12	0.09
10.00	0.17	335.16	0.17
10.50	0.28	335.21	0.28
11.00	0.45	335.27	0.45
11.50	0.81	335.37	0.81
12.00	**3.98**	**335.85**	**3.98**
12.50	**6.79**	**336.15**	**6.79**
13.00	2.16	335.61	2.16
13.50	1.35	335.48	1.35
14.00	1.10	335.43	1.10
14.50	0.93	335.39	0.93
15.00	0.82	335.37	0.82
15.50	0.71	335.34	0.71
16.00	0.60	335.31	0.60
16.50	0.51	335.29	0.51
17.00	0.46	335.27	0.46
17.50	0.41	335.26	0.41
18.00	0.36	335.24	0.36
18.50	0.33	335.23	0.33
19.00	0.31	335.22	0.31
19.50	0.30	335.22	0.30
20.00	0.28	335.21	0.28
20.50	0.27	335.21	0.27
21.00	0.26	335.20	0.26
21.50	0.24	335.20	0.24
22.00	0.23	335.19	0.23
22.50	0.22	335.19	0.22
23.00	0.21	335.18	0.21
23.50	0.20	335.18	0.20
24.00	0.19	335.17	0.19

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

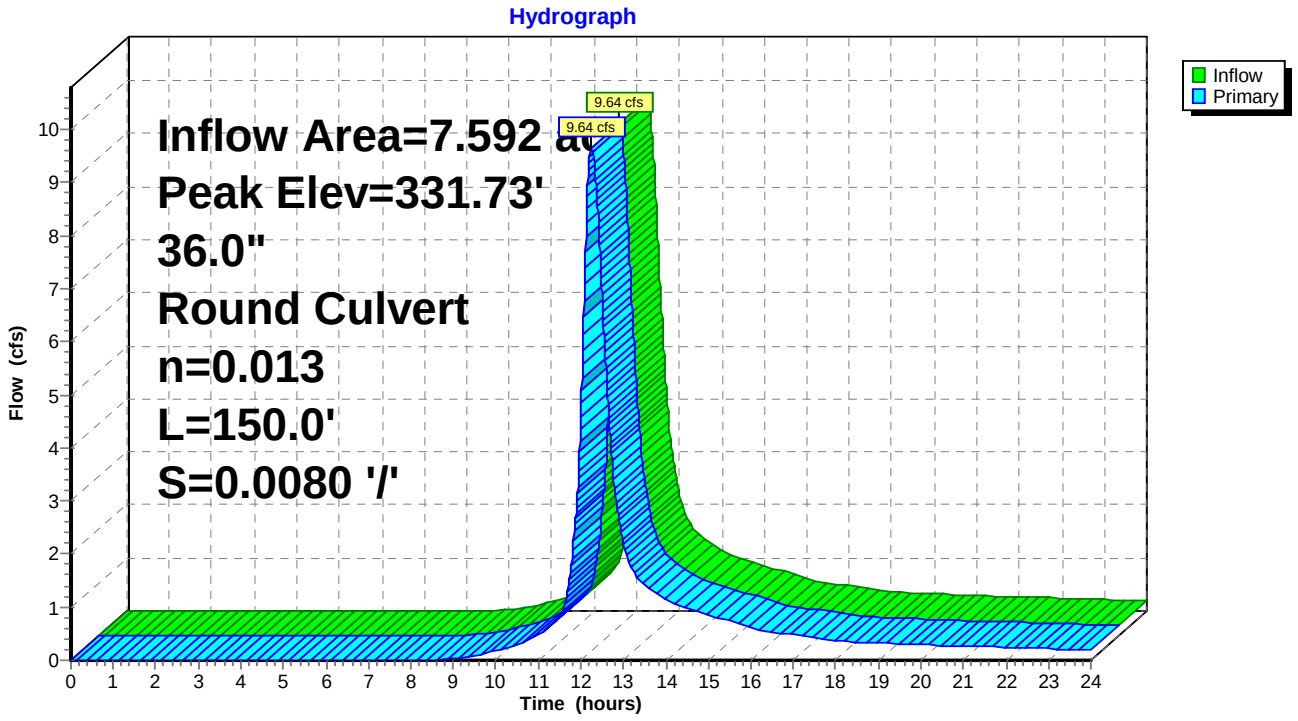
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af
Outflow = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af, Atten= 0%, Lag= 0.0 min
Primary = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.73' @ 12.25 hrs
Flood Elev= 335.00'

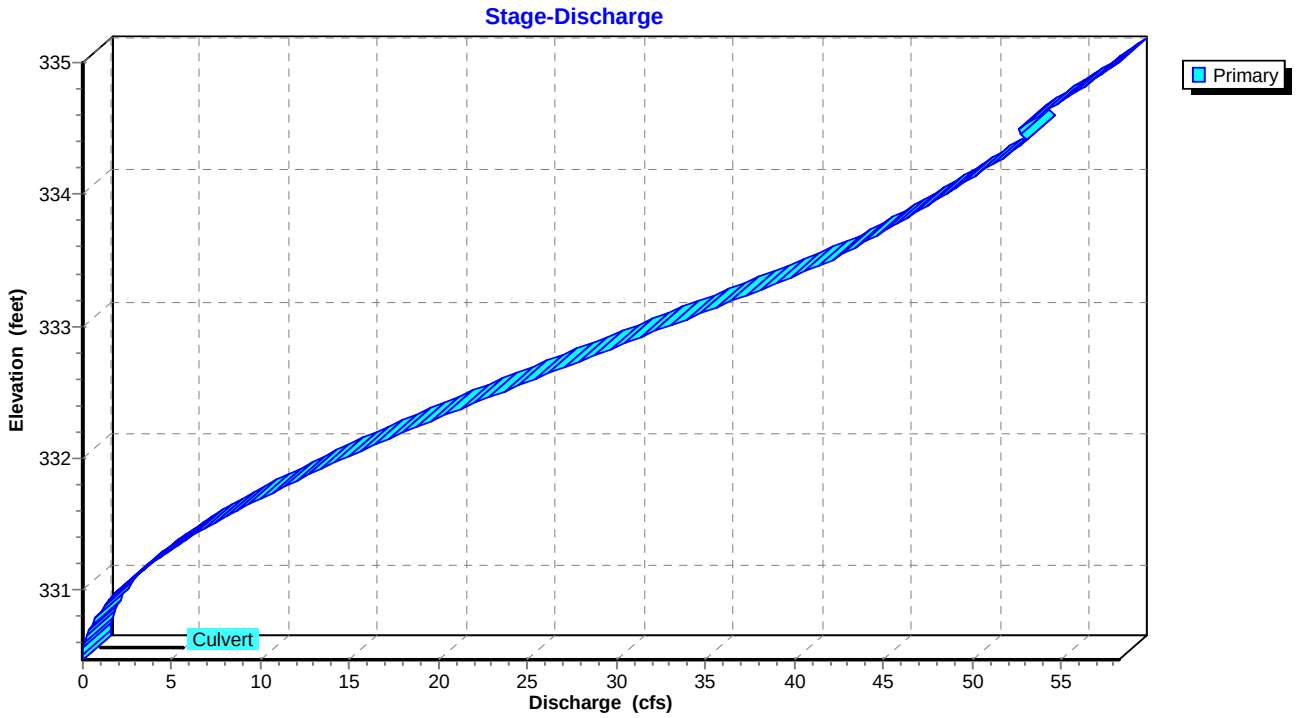
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.65 cfs @ 12.25 hrs HW=331.73' TW=330.45' (Dynamic Tailwater)
1=Culvert (Outlet Controls 9.65 cfs @ 5.06 fps)

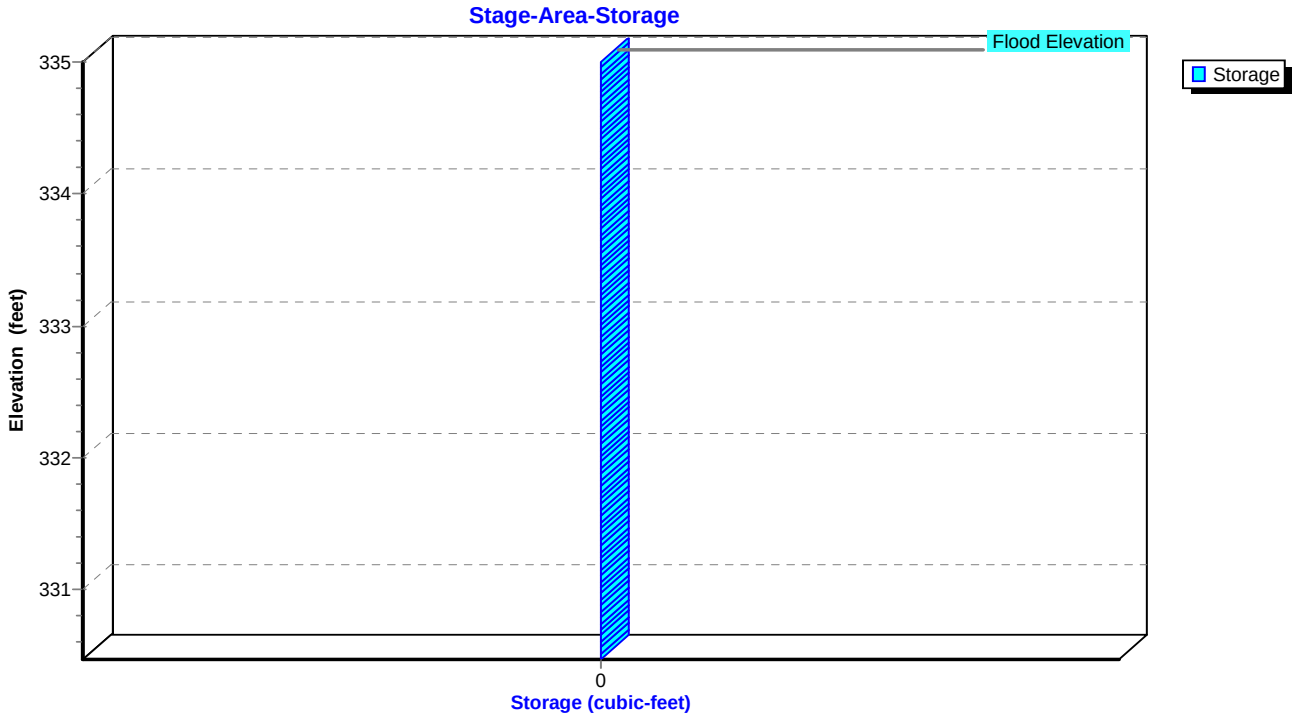
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.47	0.00
7.50	0.00	330.47	0.00
8.00	0.00	330.47	0.00
8.50	0.00	330.50	0.00
9.00	0.03	330.54	0.03
9.50	0.09	330.59	0.09
10.00	0.17	330.63	0.17
10.50	0.29	330.67	0.29
11.00	0.47	330.73	0.47
11.50	0.84	330.81	0.84
12.00	**4.59**	**331.28**	**4.59**
12.50	**6.89**	**331.50**	**6.89**
13.00	2.21	331.02	2.21
13.50	1.40	330.91	1.40
14.00	1.14	330.87	1.14
14.50	0.97	330.83	0.97
15.00	0.85	330.81	0.85
15.50	0.74	330.79	0.74
16.00	0.62	330.76	0.62
16.50	0.53	330.74	0.53
17.00	0.48	330.73	0.48
17.50	0.43	330.71	0.43
18.00	0.37	330.70	0.37
18.50	0.34	330.69	0.34
19.00	0.32	330.68	0.32
19.50	0.31	330.68	0.31
20.00	0.29	330.67	0.29
20.50	0.28	330.67	0.28
21.00	0.27	330.67	0.27
21.50	0.25	330.66	0.25
22.00	0.24	330.66	0.24
22.50	0.23	330.65	0.23
23.00	0.22	330.65	0.22
23.50	0.21	330.64	0.21
24.00	0.19	330.64	0.19

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

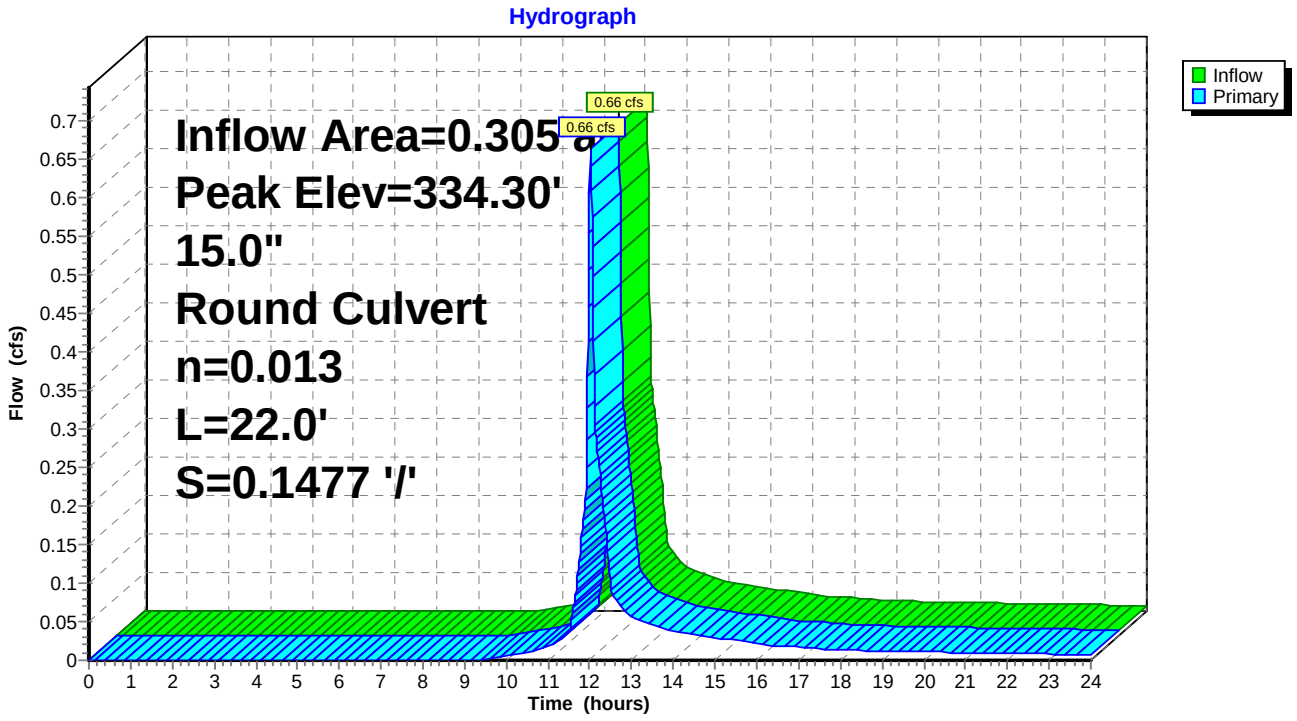
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.57" for 2-Year event
Inflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af
Outflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.30' @ 12.02 hrs
Flood Elev= 336.50'

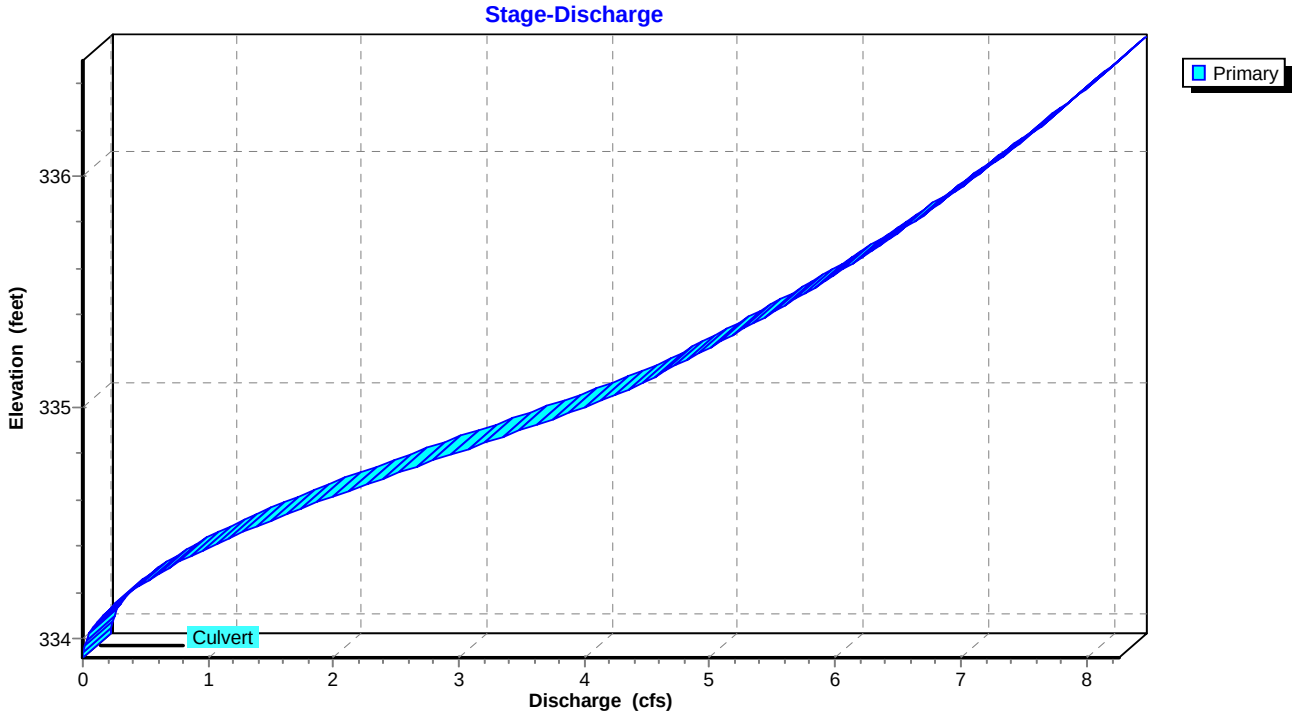
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.66 cfs @ 12.02 hrs HW=334.30' TW=331.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.66 cfs @ 2.10 fps)

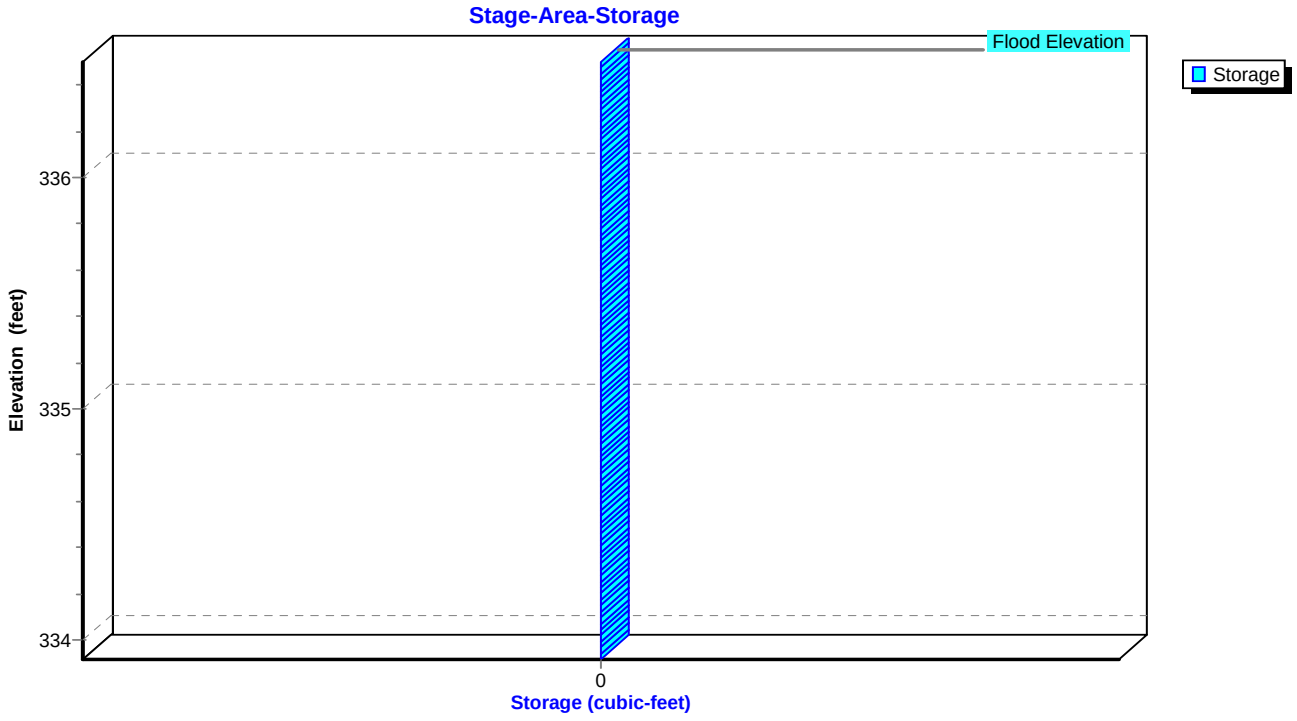
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.94	0.00
10.00	0.00	333.95	0.00
10.50	0.01	333.96	0.01
11.00	0.02	333.98	0.02
11.50	0.04	334.01	0.04
12.00	**0.61**	**334.28**	**0.61**
12.50	**0.09**	**334.06**	**0.09**
13.00	0.05	334.03	0.05
13.50	0.05	334.02	0.05
14.00	0.04	334.01	0.04
14.50	0.03	334.00	0.03
15.00	0.03	334.00	0.03
15.50	0.03	333.99	0.03
16.00	0.02	333.98	0.02
16.50	0.02	333.98	0.02
17.00	0.02	333.98	0.02
17.50	0.02	333.97	0.02
18.00	0.01	333.97	0.01
18.50	0.01	333.97	0.01
19.00	0.01	333.97	0.01
19.50	0.01	333.97	0.01
20.00	0.01	333.97	0.01
20.50	0.01	333.97	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.96	0.01
22.50	0.01	333.96	0.01
23.00	0.01	333.96	0.01
23.50	0.01	333.96	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

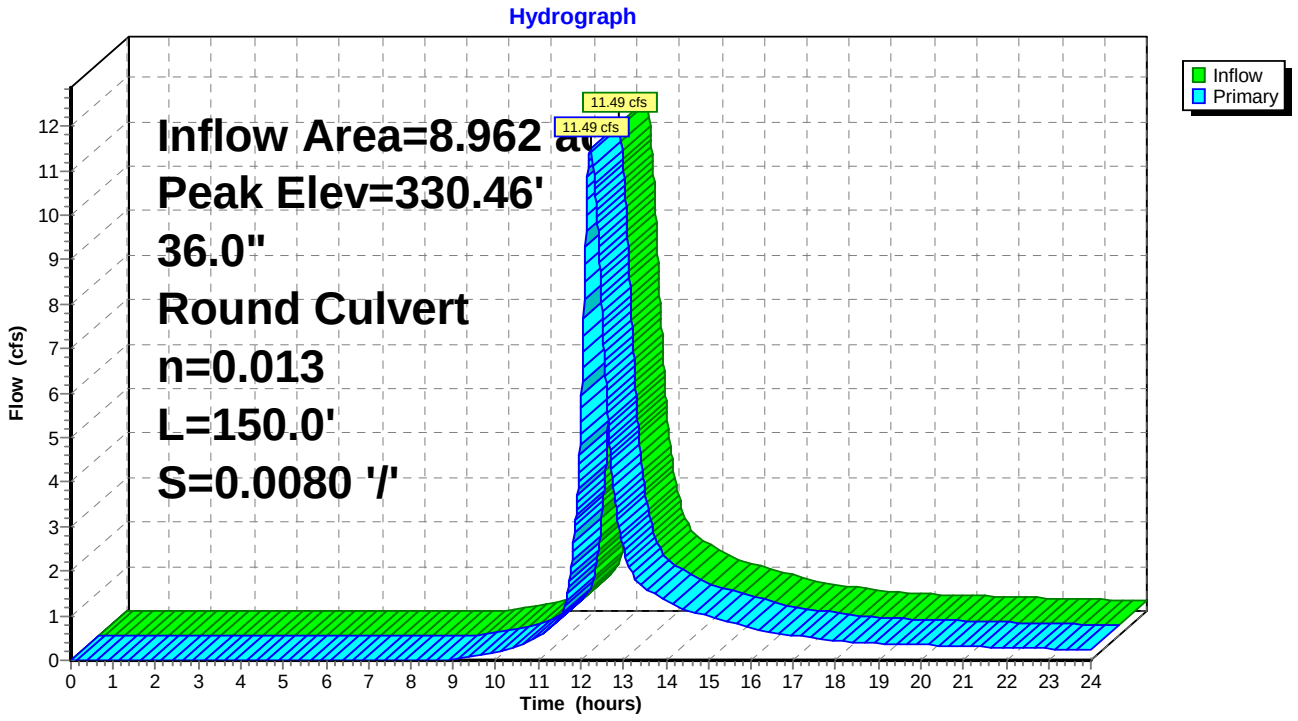
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.73" for 2-Year event
Inflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af
Outflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af, Atten= 0%, Lag= 0.0 min
Primary = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.46' @ 12.22 hrs
Flood Elev= 337.00'

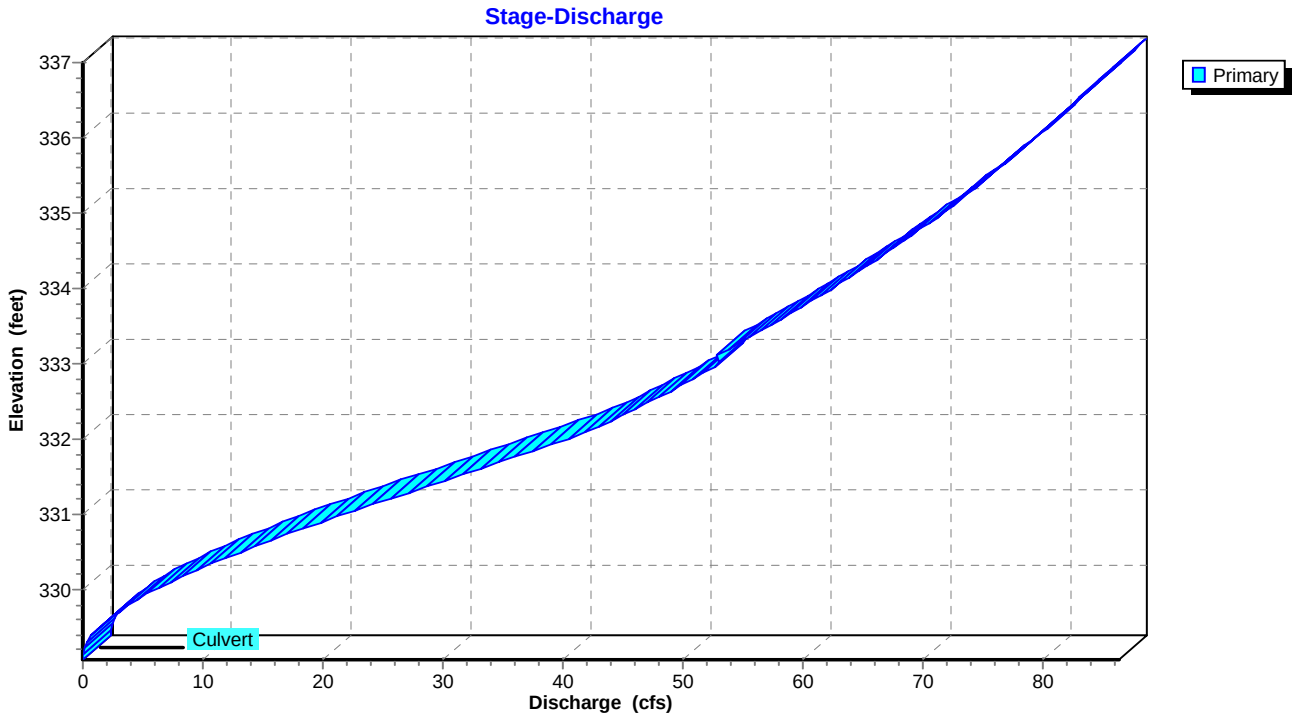
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=11.50 cfs @ 12.22 hrs HW=330.46' TW=329.13' (Dynamic Tailwater)
1=Culvert (Outlet Controls 11.50 cfs @ 5.29 fps)

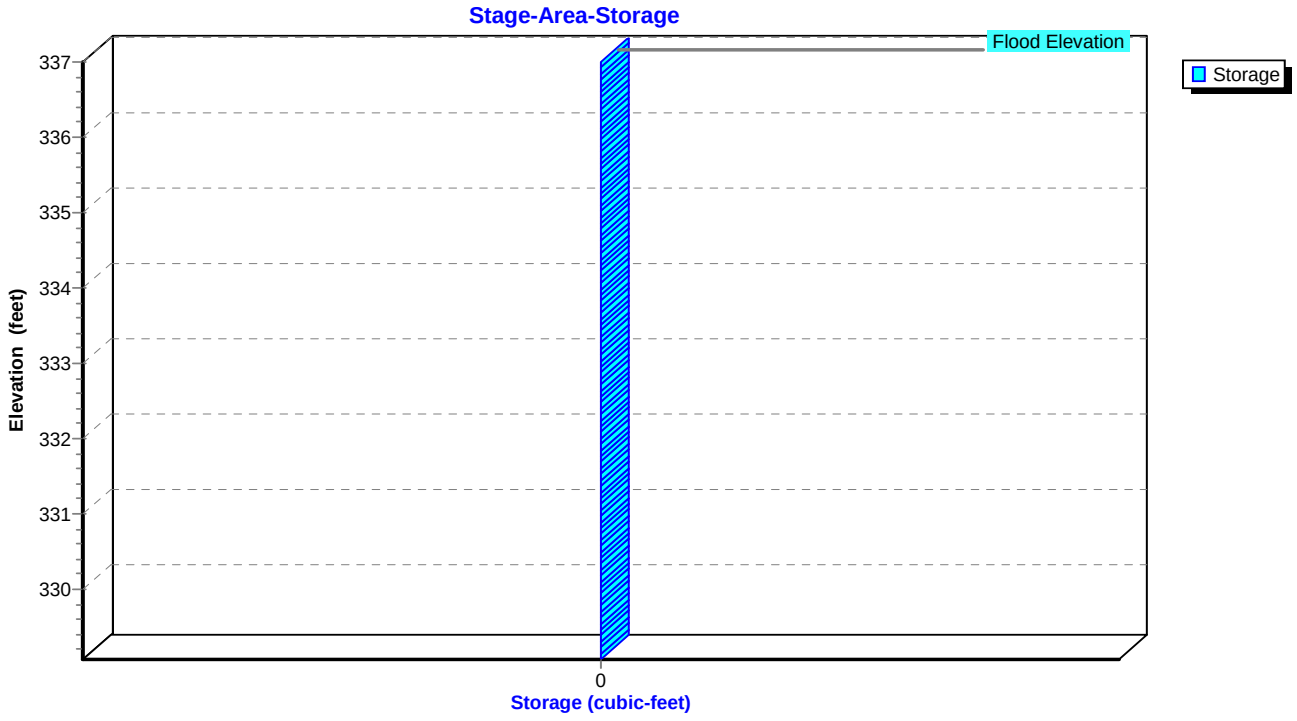
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.07	0.00
7.50	0.00	329.07	0.00
8.00	0.00	329.07	0.00
8.50	0.00	329.10	0.00
9.00	0.03	329.14	0.03
9.50	0.09	329.19	0.09
10.00	0.19	329.23	0.19
10.50	0.32	329.28	0.32
11.00	0.53	329.34	0.53
11.50	0.97	329.43	0.97
12.00	**5.37**	**329.95**	**5.37**
12.50	**7.83**	**330.17**	**7.83**
13.00	2.52	329.66	2.52
13.50	1.62	329.54	1.62
14.00	1.33	329.50	1.33
14.50	1.13	329.46	1.13
15.00	0.99	329.44	0.99
15.50	0.86	329.41	0.86
16.00	0.72	329.39	0.72
16.50	0.62	329.36	0.62
17.00	0.56	329.35	0.56
17.50	0.50	329.33	0.50
18.00	0.44	329.32	0.44
18.50	0.40	329.31	0.40
19.00	0.38	329.30	0.38
19.50	0.36	329.30	0.36
20.00	0.34	329.29	0.34
20.50	0.32	329.28	0.32
21.00	0.31	329.28	0.31
21.50	0.30	329.28	0.30
22.00	0.28	329.27	0.28
22.50	0.27	329.27	0.27
23.00	0.26	329.26	0.26
23.50	0.24	329.26	0.24
24.00	0.23	329.25	0.23

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

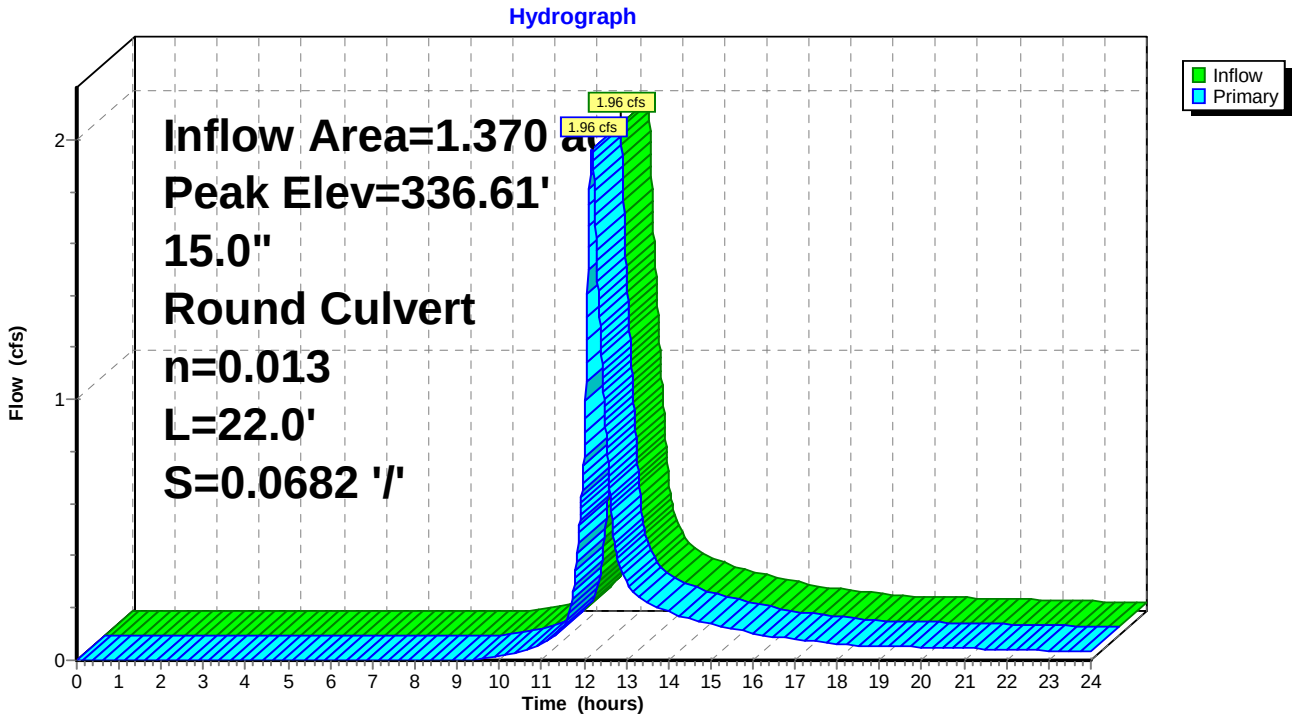
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af
Outflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.61' @ 12.19 hrs
Flood Elev= 338.50'

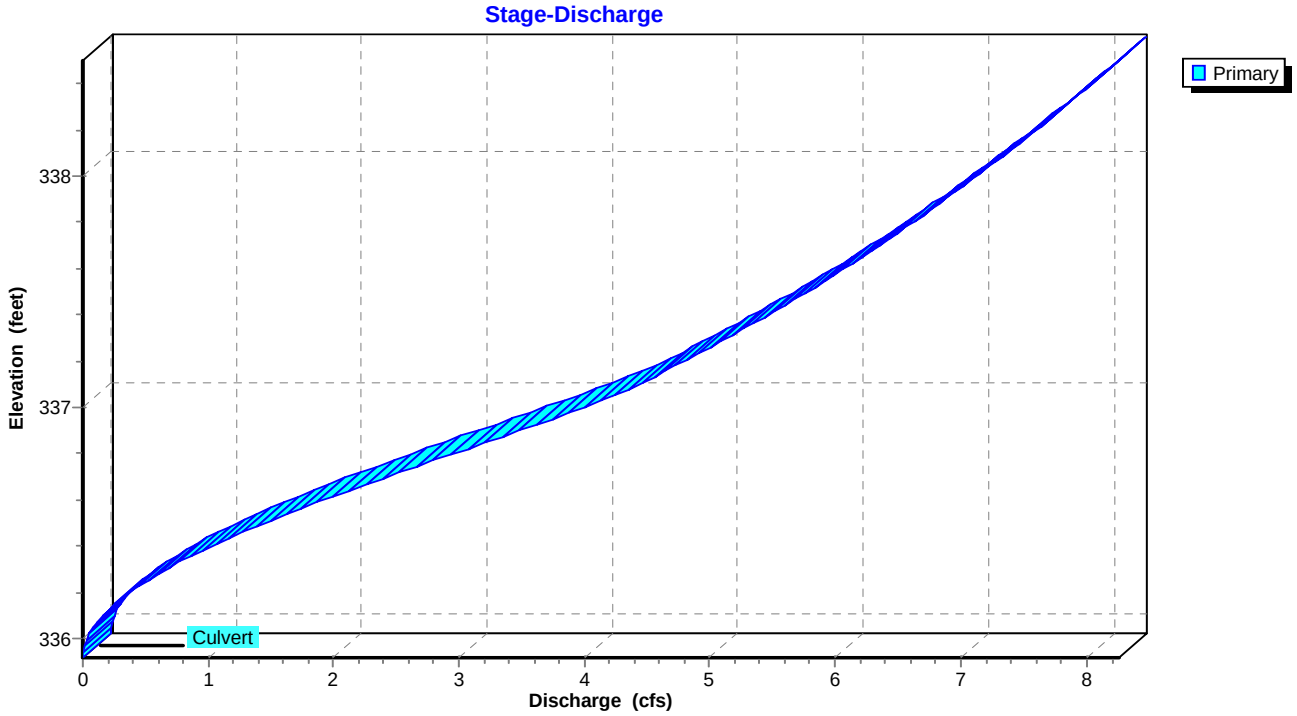
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.96 cfs @ 12.19 hrs HW=336.61' TW=330.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.96 cfs @ 2.83 fps)

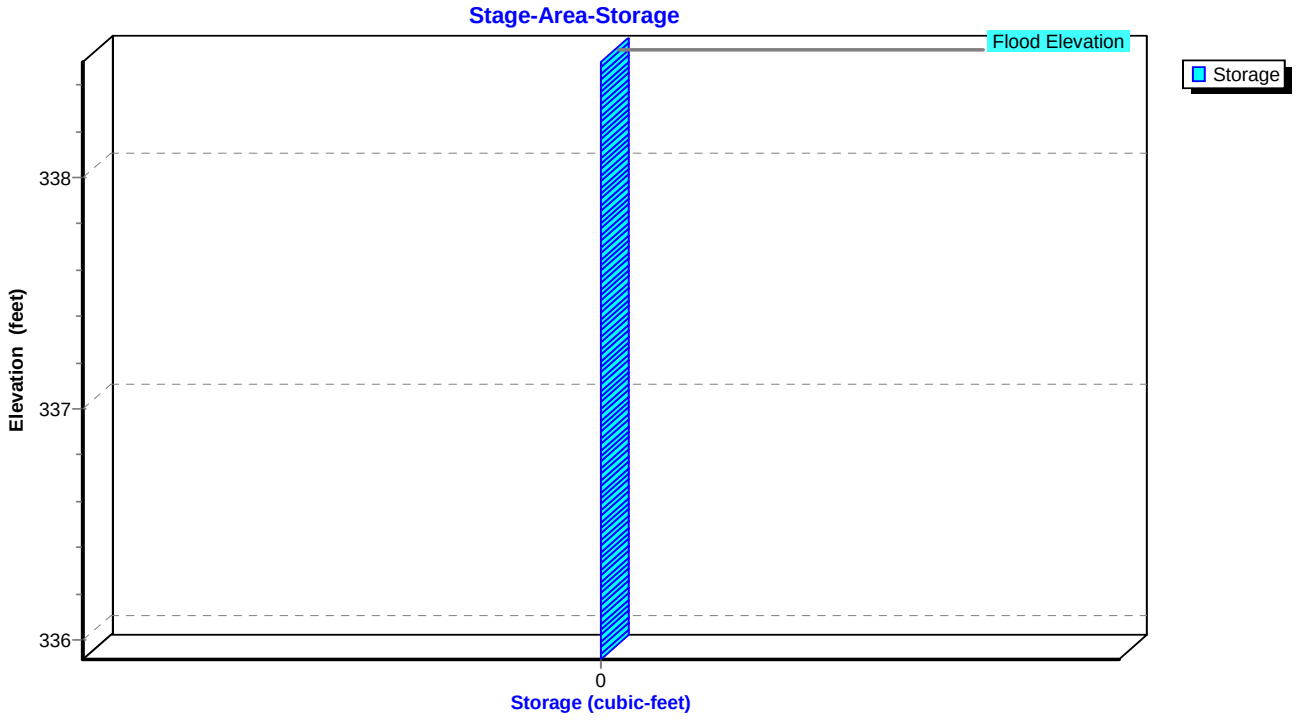
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.94	0.00
10.00	0.02	335.98	0.02
10.50	0.03	336.00	0.03
11.00	0.06	336.03	0.06
11.50	0.13	336.08	0.13
12.00	**0.78**	**336.34**	**0.78**
12.50	**0.95**	**336.38**	**0.95**
13.00	0.30	336.17	0.30
13.50	0.22	336.14	0.22
14.00	0.18	336.12	0.18
14.50	0.16	336.10	0.16
15.00	0.14	336.09	0.14
15.50	0.12	336.08	0.12
16.00	0.10	336.06	0.10
16.50	0.09	336.05	0.09
17.00	0.08	336.05	0.08
17.50	0.07	336.04	0.07
18.00	0.06	336.03	0.06
18.50	0.06	336.03	0.06
19.00	0.05	336.02	0.05
19.50	0.05	336.02	0.05
20.00	0.05	336.02	0.05
20.50	0.05	336.02	0.05
21.00	0.04	336.02	0.04
21.50	0.04	336.01	0.04
22.00	0.04	336.01	0.04
22.50	0.04	336.01	0.04
23.00	0.04	336.01	0.04
23.50	0.03	336.00	0.03
24.00	0.03	336.00	0.03

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

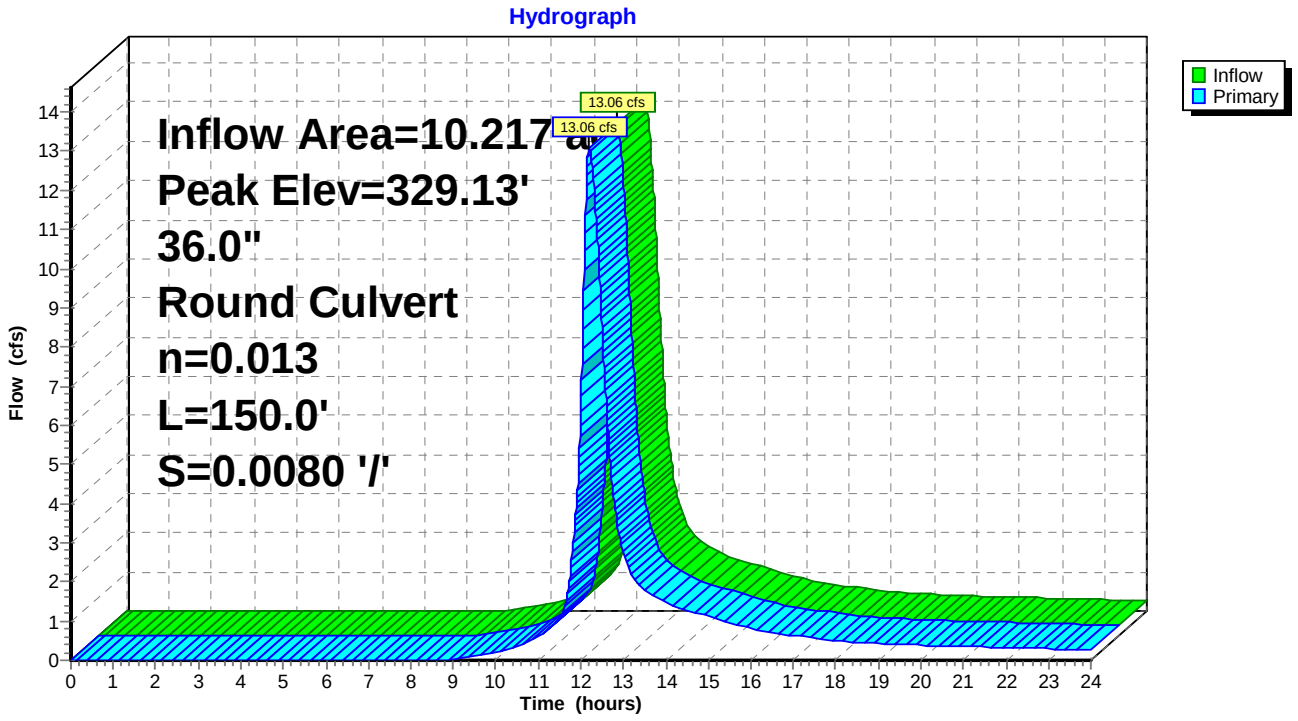
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af
Outflow = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af, Atten= 0%, Lag= 0.0 min
Primary = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.13' @ 12.20 hrs
Flood Elev= 335.75'

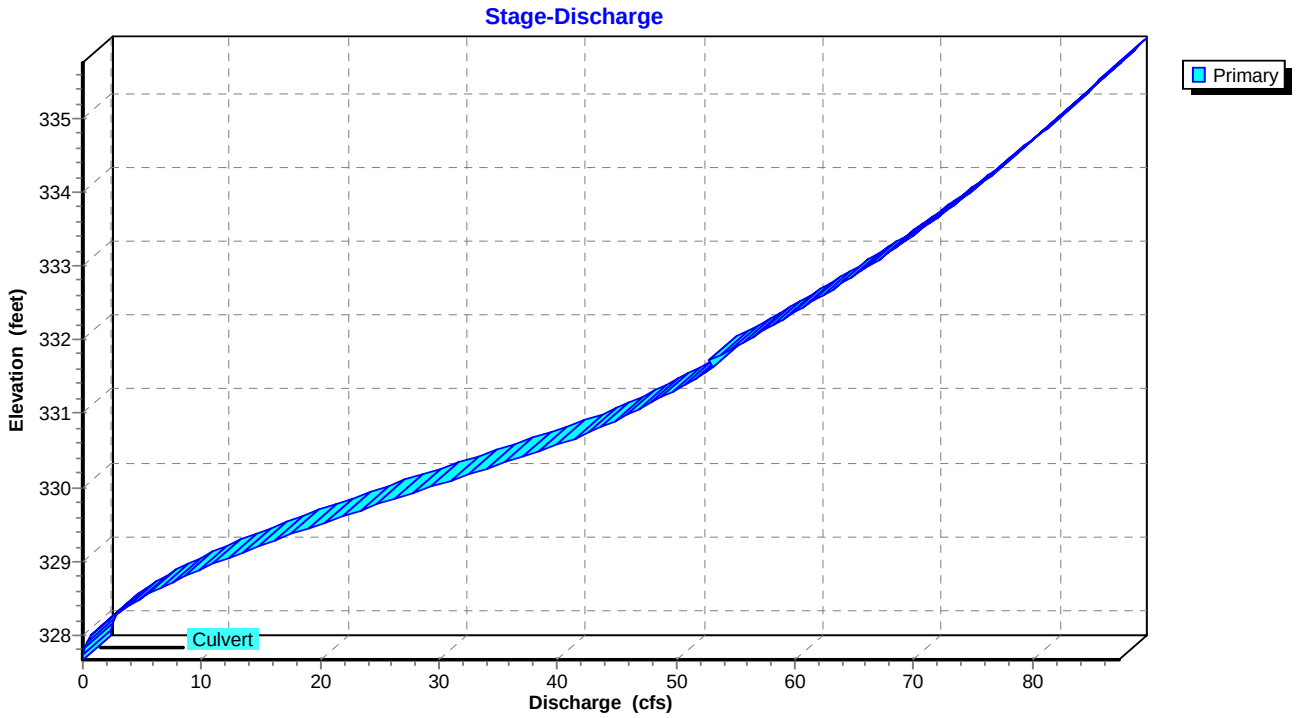
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.06 cfs @ 12.20 hrs HW=329.13' TW=327.70' (Dynamic Tailwater)
1=Culvert (Outlet Controls 13.06 cfs @ 5.58 fps)

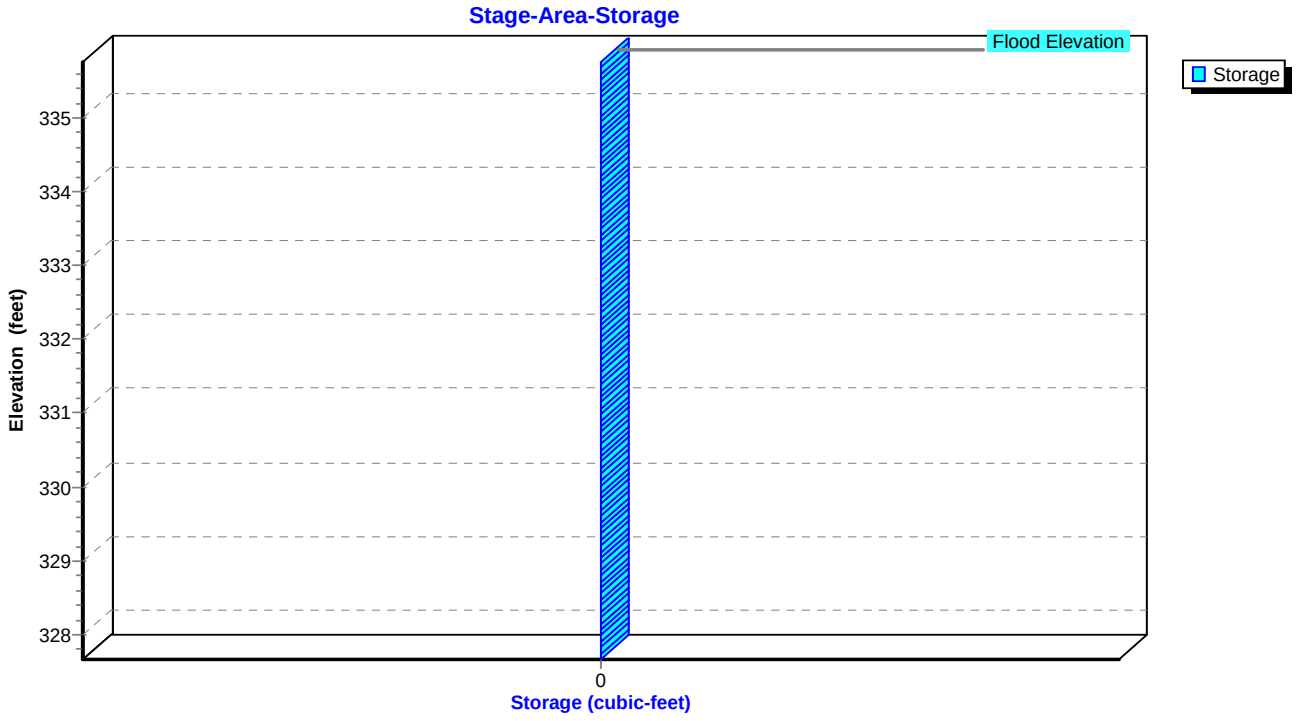
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.67	0.00
7.50	0.00	327.67	0.00
8.00	0.00	327.67	0.00
8.50	0.00	327.70	0.00
9.00	0.03	327.74	0.03
9.50	0.10	327.79	0.10
10.00	0.20	327.84	0.20
10.50	0.36	327.90	0.36
11.00	0.59	327.96	0.59
11.50	1.10	328.06	1.10
12.00	**6.36**	**328.64**	**6.36**
12.50	**8.50**	**328.81**	**8.50**
13.00	2.77	328.29	2.77
13.50	1.82	328.17	1.82
14.00	1.49	328.12	1.49
14.50	1.27	328.09	1.27
15.00	1.12	328.06	1.12
15.50	0.97	328.03	0.97
16.00	0.81	328.00	0.81
16.50	0.70	327.98	0.70
17.00	0.63	327.97	0.63
17.50	0.56	327.95	0.56
18.00	0.49	327.93	0.49
18.50	0.45	327.92	0.45
19.00	0.43	327.91	0.43
19.50	0.41	327.91	0.41
20.00	0.39	327.90	0.39
20.50	0.37	327.90	0.37
21.00	0.35	327.89	0.35
21.50	0.34	327.89	0.34
22.00	0.32	327.88	0.32
22.50	0.30	327.88	0.30
23.00	0.29	327.87	0.29
23.50	0.27	327.87	0.27
24.00	0.26	327.86	0.26

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

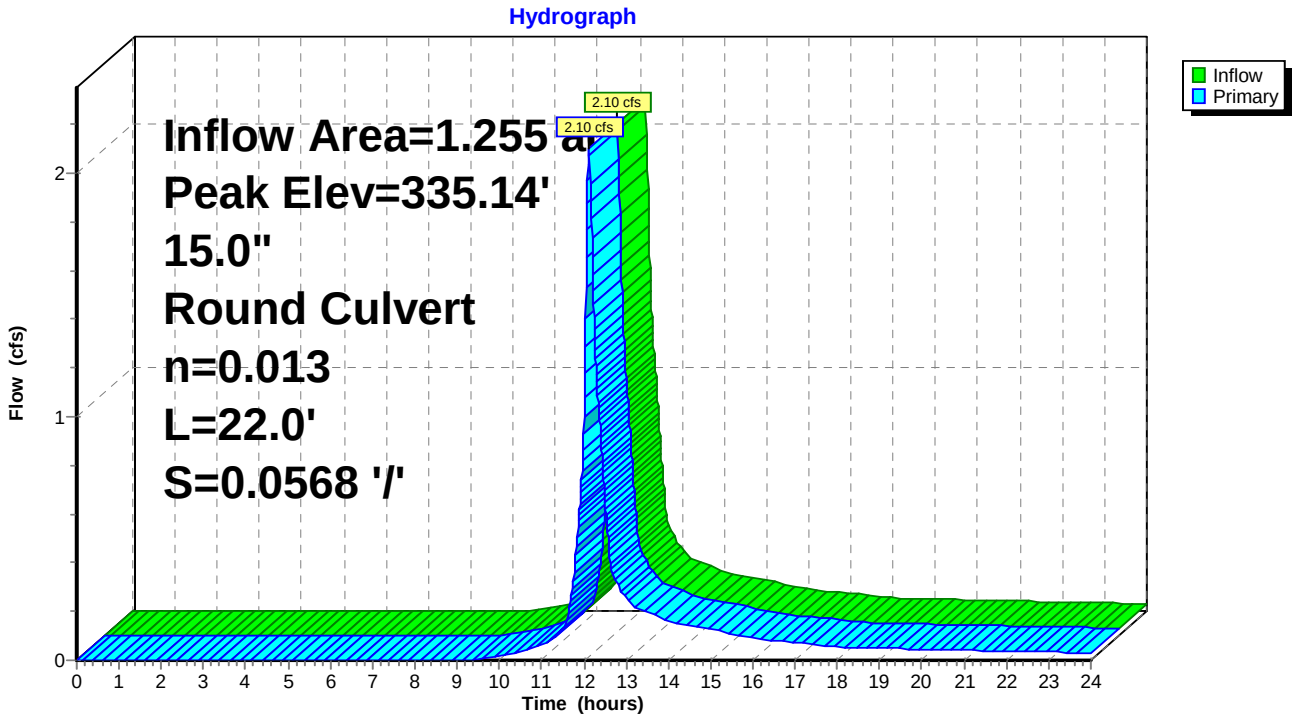
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af
Outflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.14' @ 12.12 hrs
Flood Elev= 337.00'

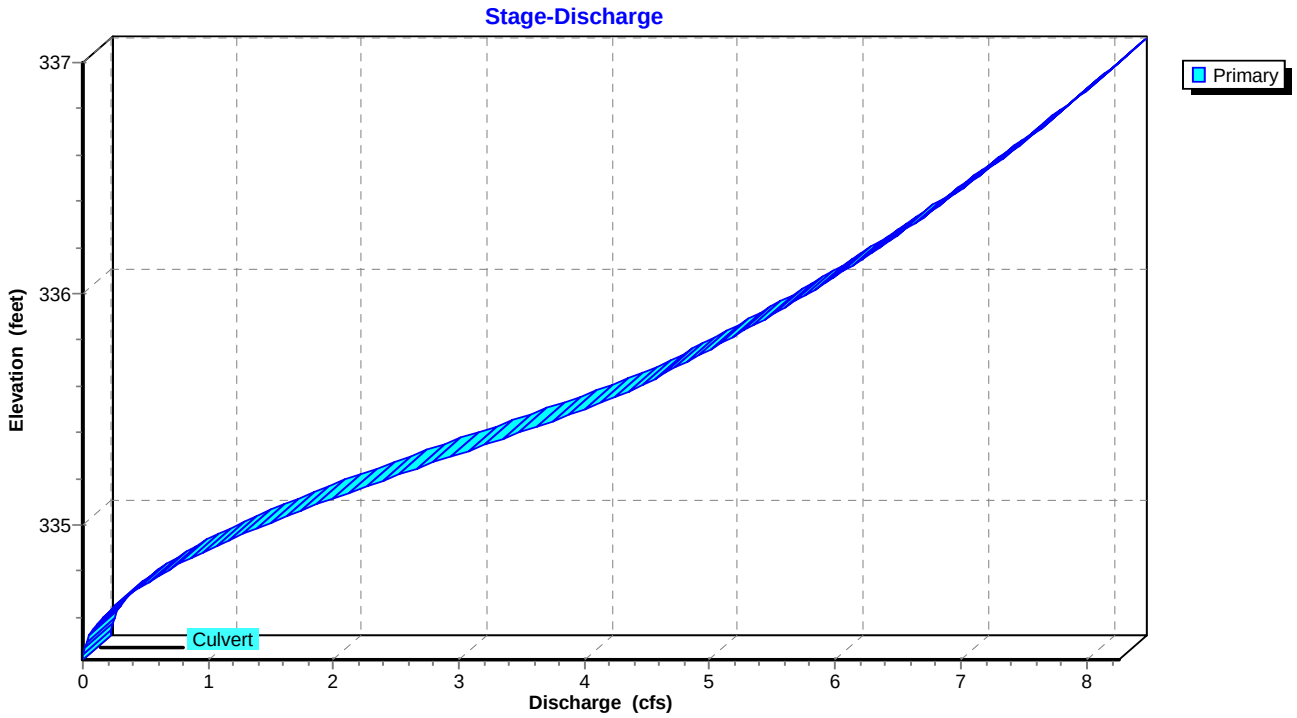
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.10 cfs @ 12.12 hrs HW=335.14' TW=329.05' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.10 cfs @ 2.88 fps)

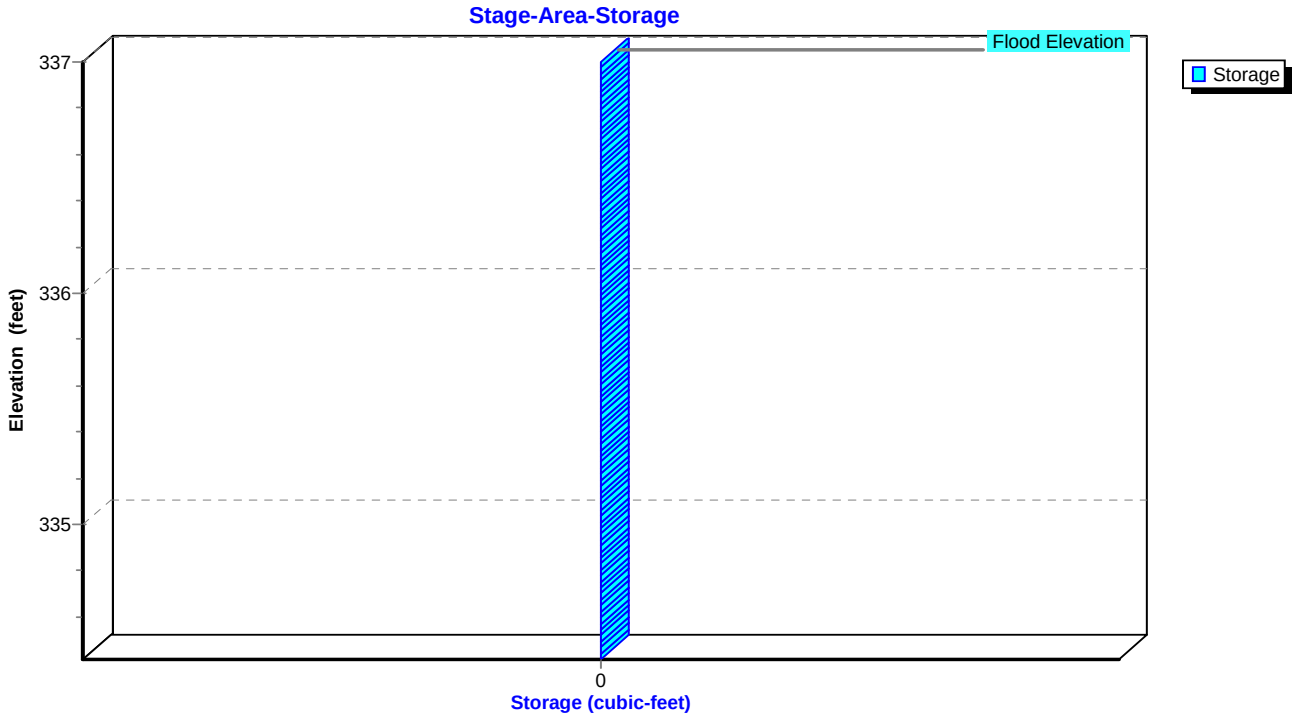
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.45	0.00
10.00	0.02	334.48	0.02
10.50	0.03	334.50	0.03
11.00	0.06	334.53	0.06
11.50	0.13	334.58	0.13
12.00	**1.00**	**334.89**	**1.00**
12.50	**0.67**	**334.80**	**0.67**
13.00	0.26	334.65	0.26
13.50	0.20	334.62	0.20
14.00	0.16	334.60	0.16
14.50	0.14	334.59	0.14
15.00	0.13	334.58	0.13
15.50	0.11	334.57	0.11
16.00	0.09	334.56	0.09
16.50	0.08	334.55	0.08
17.00	0.07	334.54	0.07
17.50	0.06	334.53	0.06
18.00	0.06	334.53	0.06
18.50	0.05	334.52	0.05
19.00	0.05	334.52	0.05
19.50	0.05	334.52	0.05
20.00	0.04	334.51	0.04
20.50	0.04	334.51	0.04
21.00	0.04	334.51	0.04
21.50	0.04	334.51	0.04
22.00	0.04	334.51	0.04
22.50	0.04	334.50	0.04
23.00	0.03	334.50	0.03
23.50	0.03	334.50	0.03
24.00	0.03	334.50	0.03

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

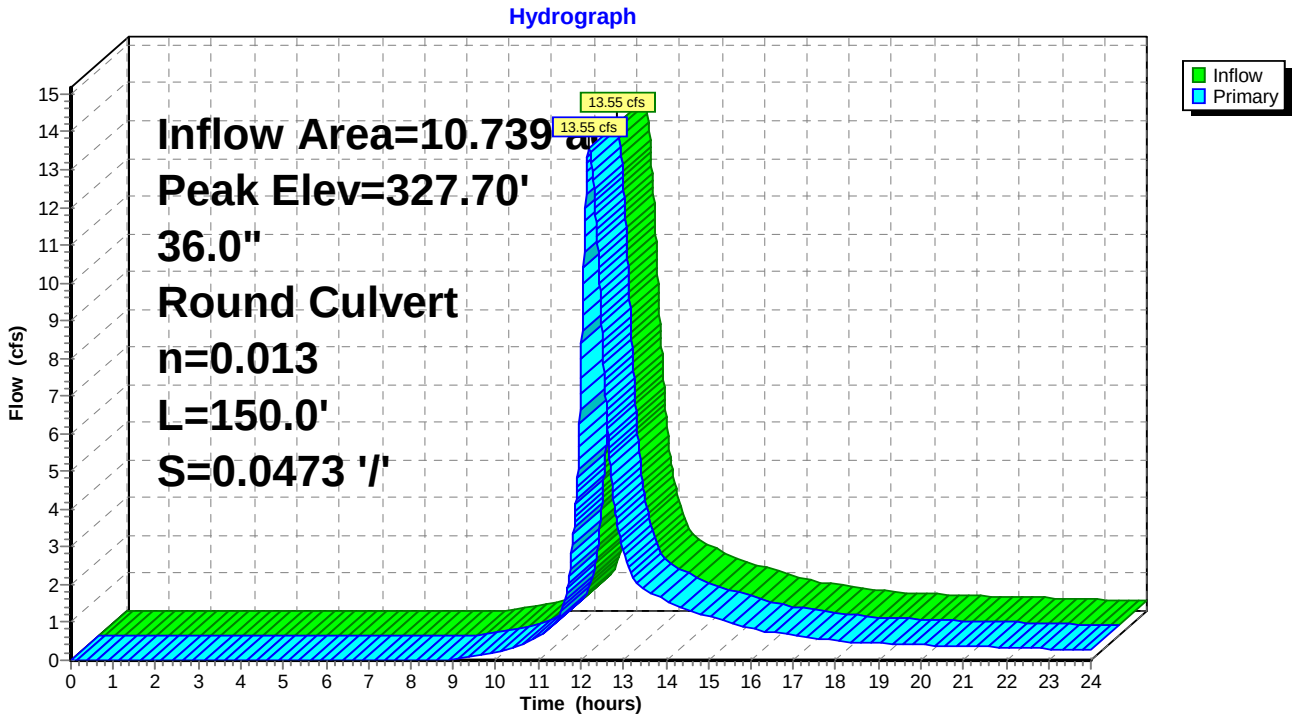
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af
Outflow = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af, Atten= 0%, Lag= 0.0 min
Primary = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 327.70' @ 12.19 hrs
Flood Elev= 332.25'

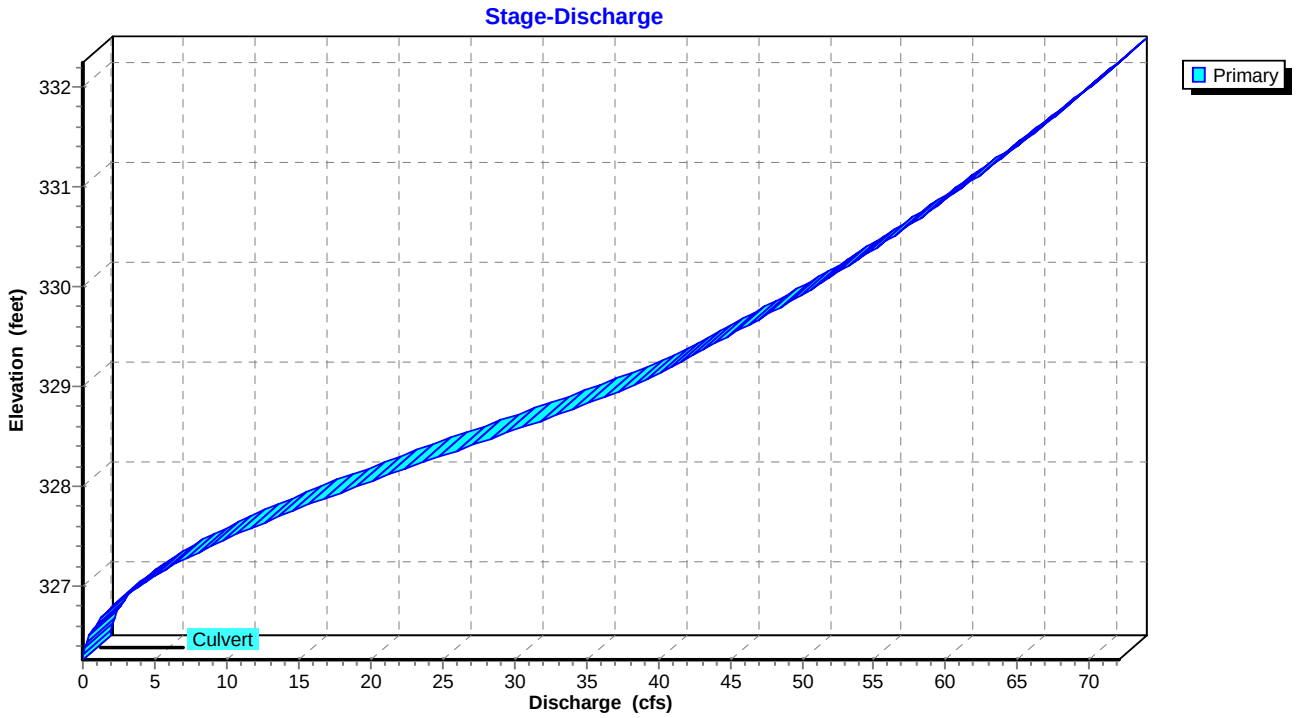
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.55 cfs @ 12.19 hrs HW=327.70' TW=320.46' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 13.55 cfs @ 4.07 fps)

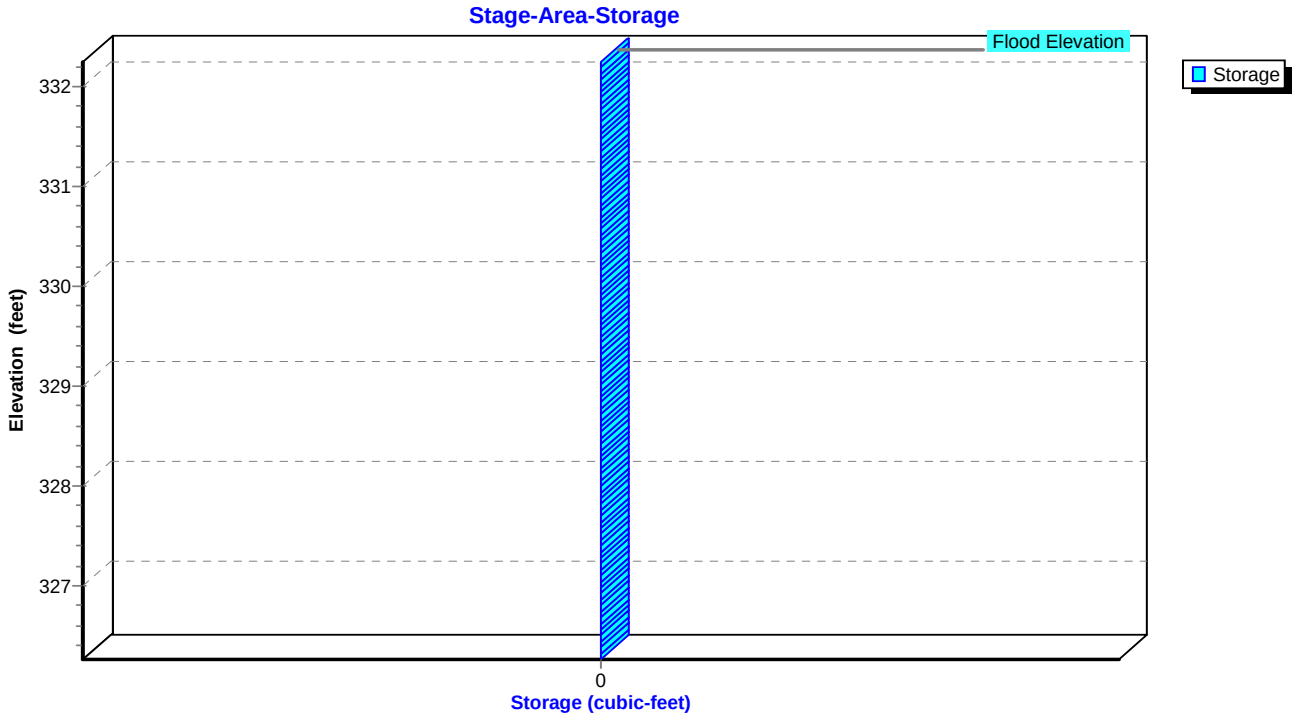
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.27	0.00
7.50	0.00	326.27	0.00
8.00	0.00	326.27	0.00
8.50	0.00	326.29	0.00
9.00	0.03	326.33	0.03
9.50	0.10	326.38	0.10
10.00	0.22	326.44	0.22
10.50	0.38	326.49	0.38
11.00	0.63	326.56	0.63
11.50	1.18	326.66	1.18
12.00	**7.49**	**327.31**	**7.49**
12.50	**8.68**	**327.39**	**8.68**
13.00	2.87	326.90	2.87
13.50	1.90	326.78	1.90
14.00	1.56	326.73	1.56
14.50	1.33	326.69	1.33
15.00	1.17	326.66	1.17
15.50	1.01	326.64	1.01
16.00	0.85	326.60	0.85
16.50	0.73	326.58	0.73
17.00	0.66	326.56	0.66
17.50	0.59	326.55	0.59
18.00	0.52	326.53	0.52
18.50	0.47	326.52	0.47
19.00	0.45	326.51	0.45
19.50	0.43	326.51	0.43
20.00	0.40	326.50	0.40
20.50	0.39	326.49	0.39
21.00	0.37	326.49	0.37
21.50	0.35	326.48	0.35
22.00	0.34	326.48	0.34
22.50	0.32	326.47	0.32
23.00	0.30	326.47	0.30
23.50	0.29	326.46	0.29
24.00	0.27	326.46	0.27

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

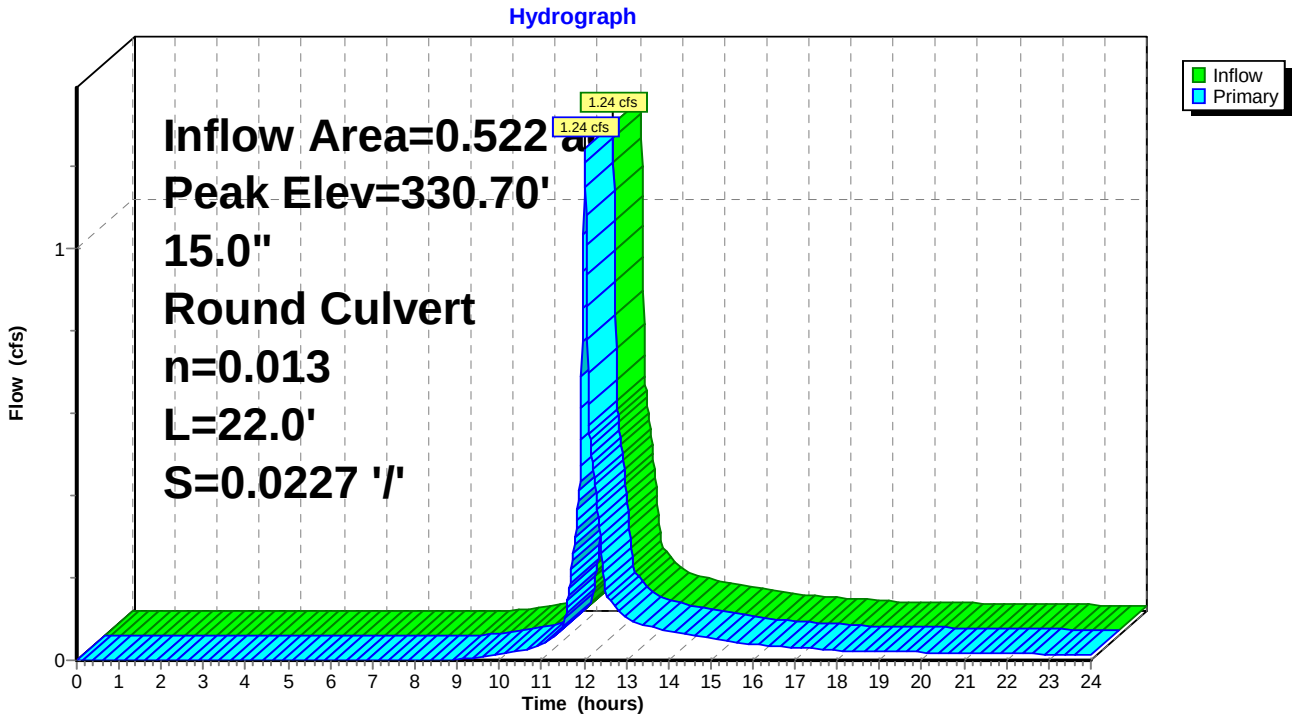
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af
Outflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.70' @ 12.02 hrs
Flood Elev= 332.80'

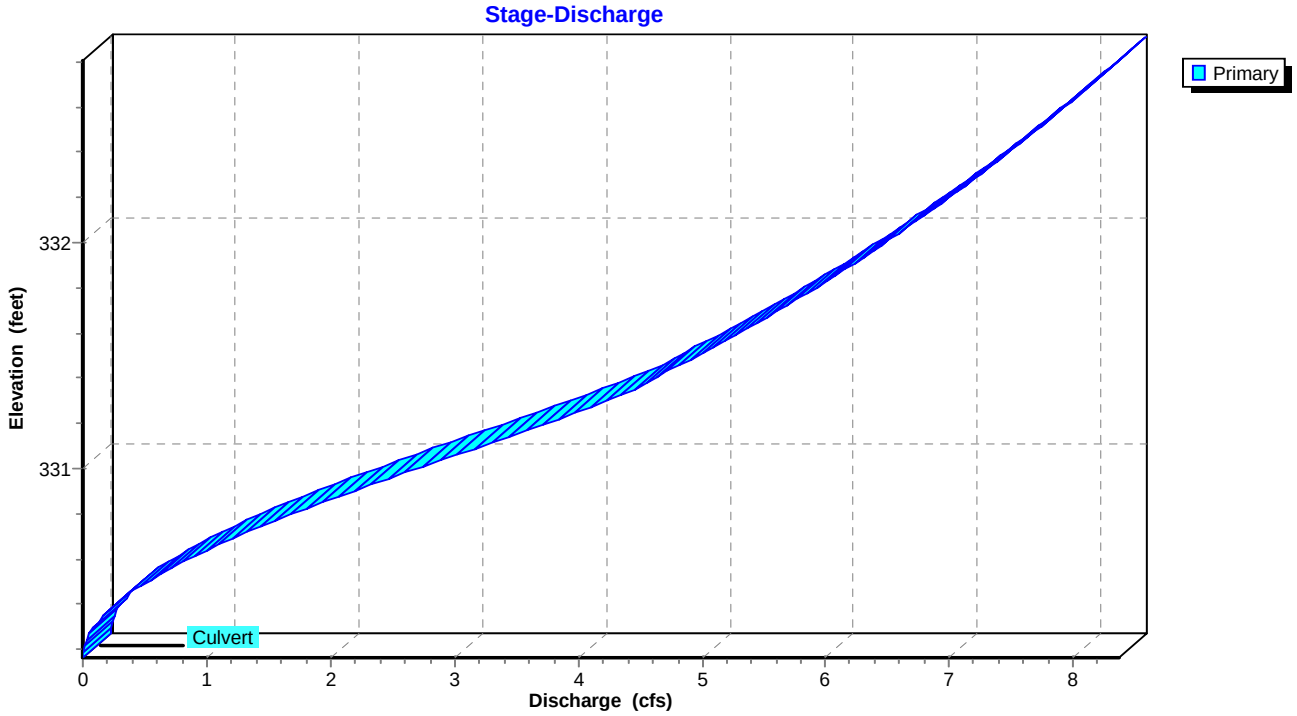
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.24 cfs @ 12.02 hrs HW=330.70' TW=327.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.24 cfs @ 2.49 fps)

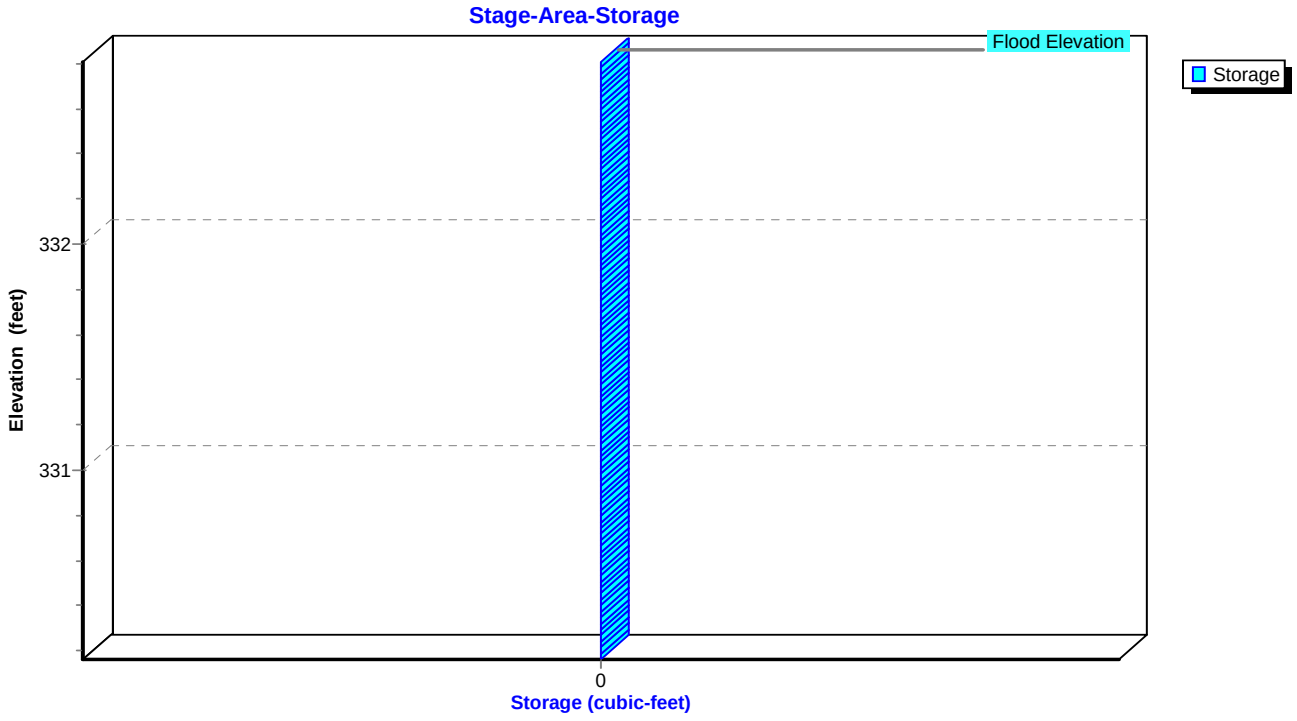
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.19	0.00
9.50	0.01	330.21	0.01
10.00	0.01	330.22	0.01
10.50	0.02	330.24	0.02
11.00	0.04	330.26	0.04
11.50	0.08	330.29	0.08
12.00	**1.13**	**330.68**	**1.13**
12.50	**0.17**	**330.36**	**0.17**
13.00	0.10	330.31	0.10
13.50	0.08	330.30	0.08
14.00	0.07	330.29	0.07
14.50	0.06	330.28	0.06
15.00	0.05	330.27	0.05
15.50	0.05	330.27	0.05
16.00	0.04	330.26	0.04
16.50	0.03	330.25	0.03
17.00	0.03	330.25	0.03
17.50	0.03	330.24	0.03
18.00	0.02	330.24	0.02
18.50	0.02	330.24	0.02
19.00	0.02	330.24	0.02
19.50	0.02	330.23	0.02
20.00	0.02	330.23	0.02
20.50	0.02	330.23	0.02
21.00	0.02	330.23	0.02
21.50	0.02	330.23	0.02
22.00	0.02	330.23	0.02
22.50	0.02	330.23	0.02
23.00	0.01	330.22	0.01
23.50	0.01	330.22	0.01
24.00	0.01	330.22	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

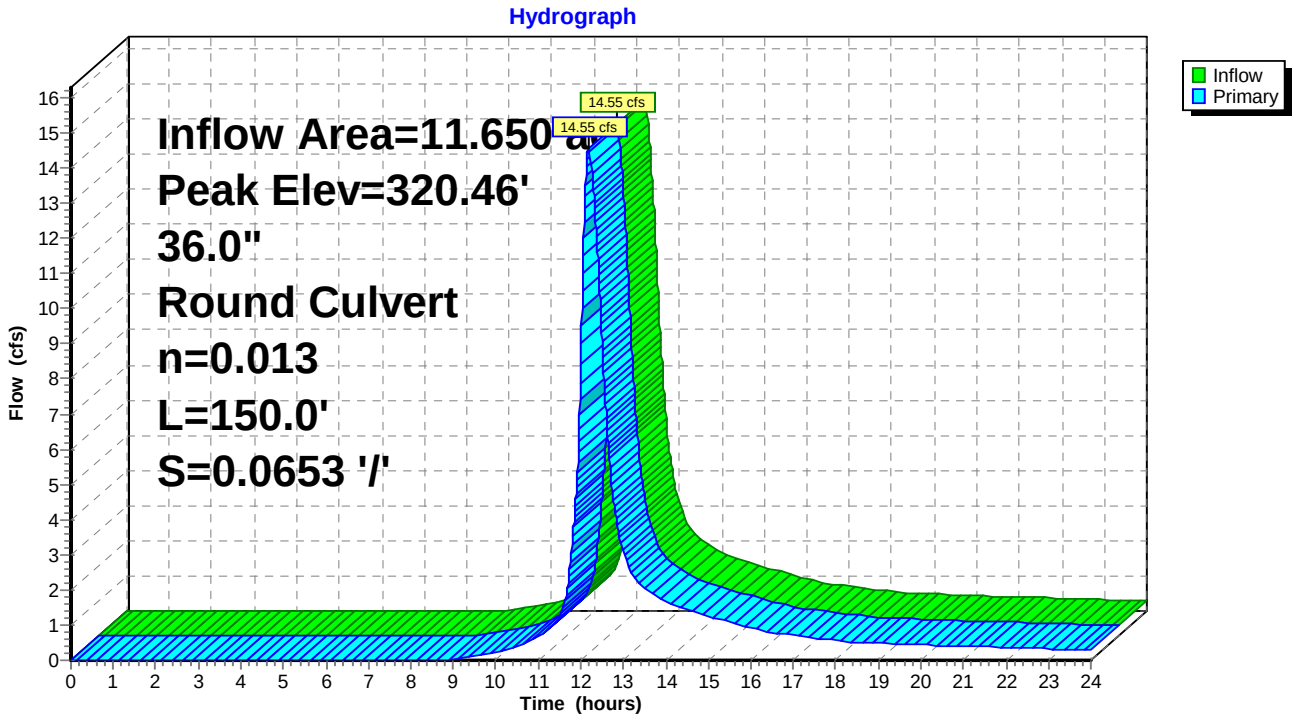
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af
Outflow = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af, Atten= 0%, Lag= 0.0 min
Primary = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.46' @ 12.18 hrs
Flood Elev= 338.50'

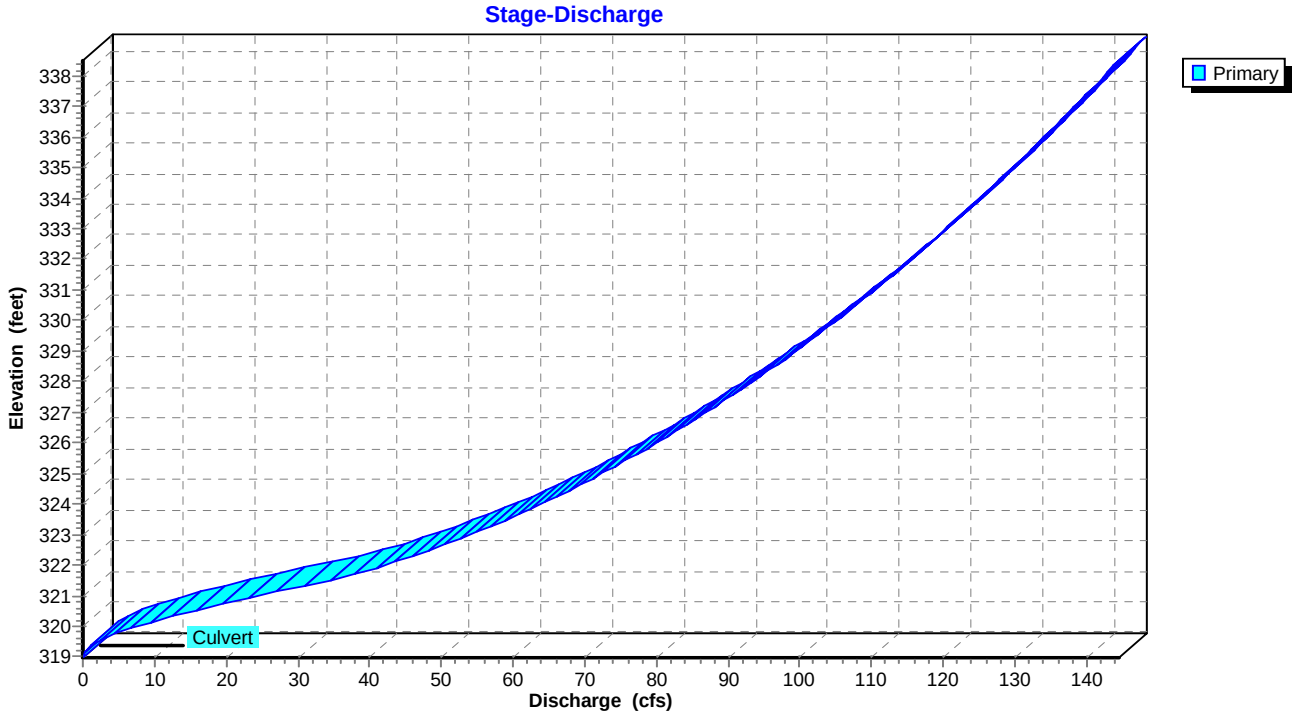
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.55 cfs @ 12.18 hrs HW=320.46' TW=310.50' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 14.55 cfs @ 4.15 fps)

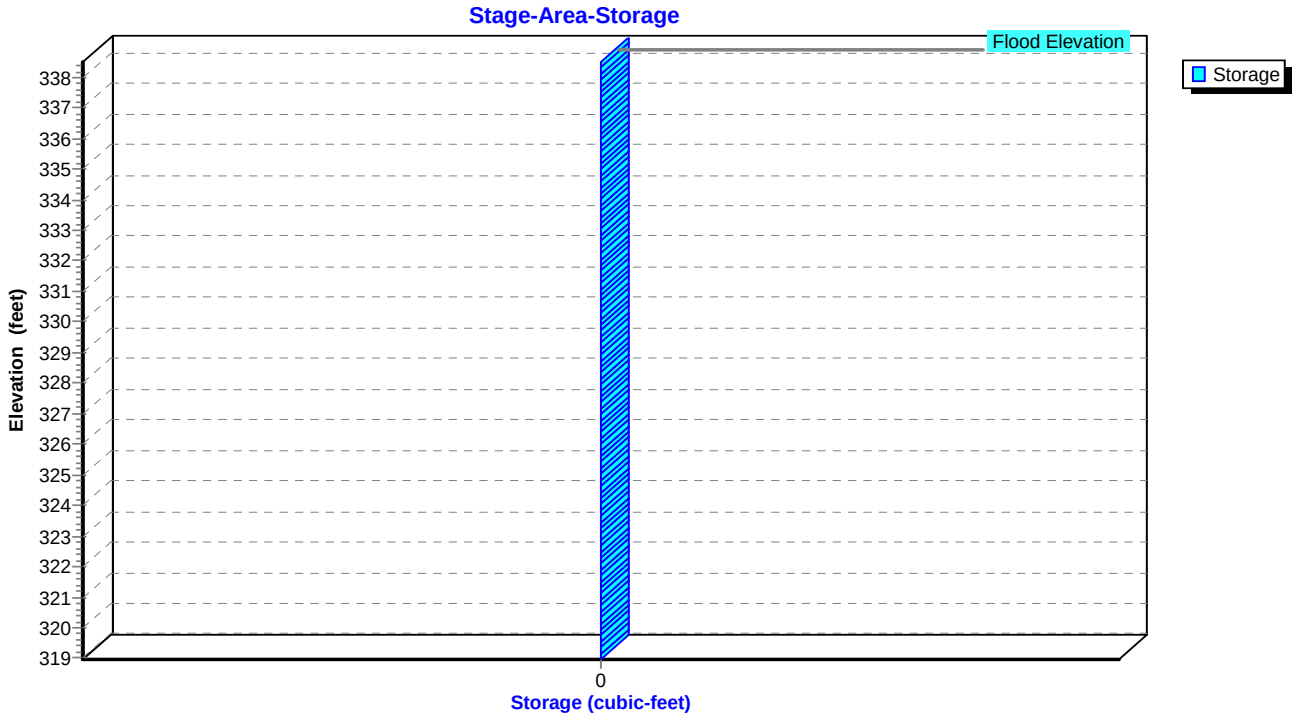
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.00	318.97	0.00
8.00	0.00	318.97	0.00
8.50	0.00	318.99	0.00
9.00	0.03	319.03	0.03
9.50	0.10	319.09	0.10
10.00	0.22	319.14	0.22
10.50	0.40	319.20	0.40
11.00	0.67	319.27	0.67
11.50	1.27	319.38	1.27
12.00	**8.42**	**320.07**	**8.42**
12.50	**9.07**	**320.12**	**9.07**
13.00	3.05	319.61	3.05
13.50	2.04	319.49	2.04
14.00	1.67	319.44	1.67
14.50	1.43	319.41	1.43
15.00	1.26	319.38	1.26
15.50	1.09	319.35	1.09
16.00	0.91	319.32	0.91
16.50	0.79	319.29	0.79
17.00	0.71	319.28	0.71
17.50	0.63	319.26	0.63
18.00	0.56	319.24	0.56
18.50	0.51	319.23	0.51
19.00	0.48	319.22	0.48
19.50	0.46	319.21	0.46
20.00	0.44	319.21	0.44
20.50	0.42	319.20	0.42
21.00	0.40	319.20	0.40
21.50	0.38	319.19	0.38
22.00	0.36	319.19	0.36
22.50	0.34	319.18	0.34
23.00	0.33	319.18	0.33
23.50	0.31	319.17	0.31
24.00	0.29	319.16	0.29

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

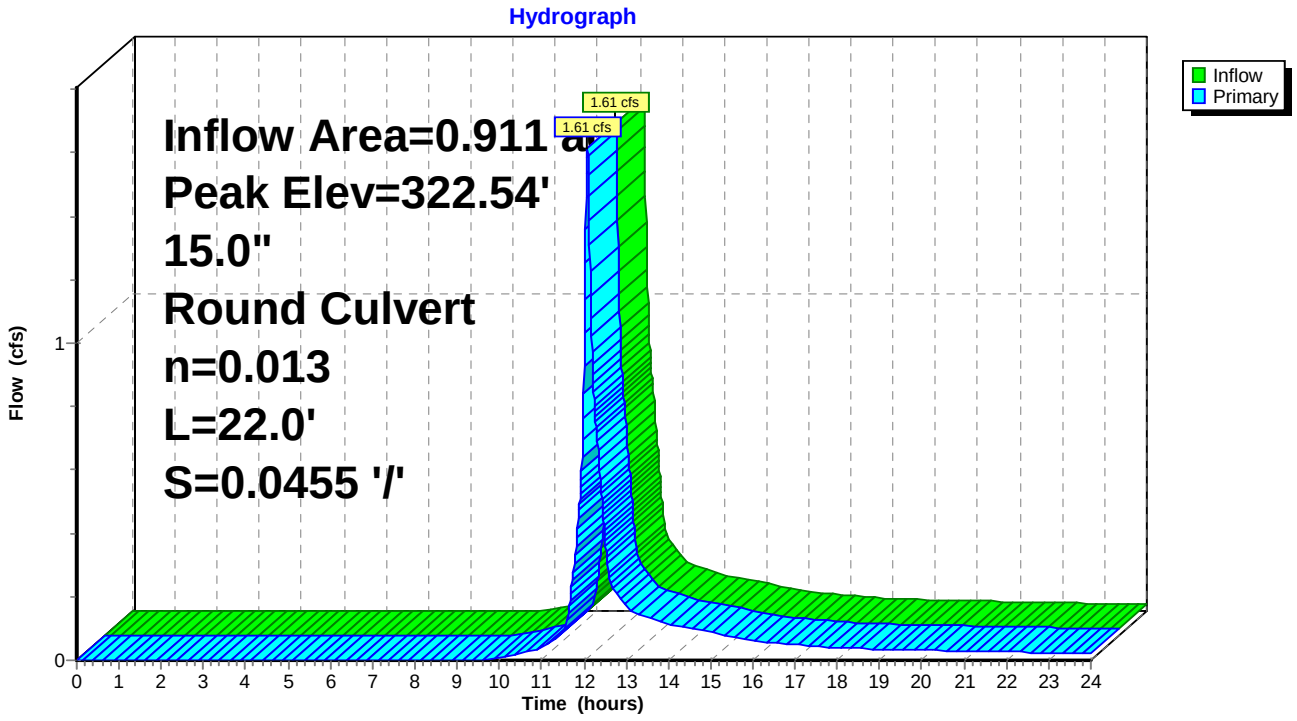
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 1.50" for 2-Year event
Inflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af
Outflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.54' @ 12.08 hrs
Flood Elev= 324.50'

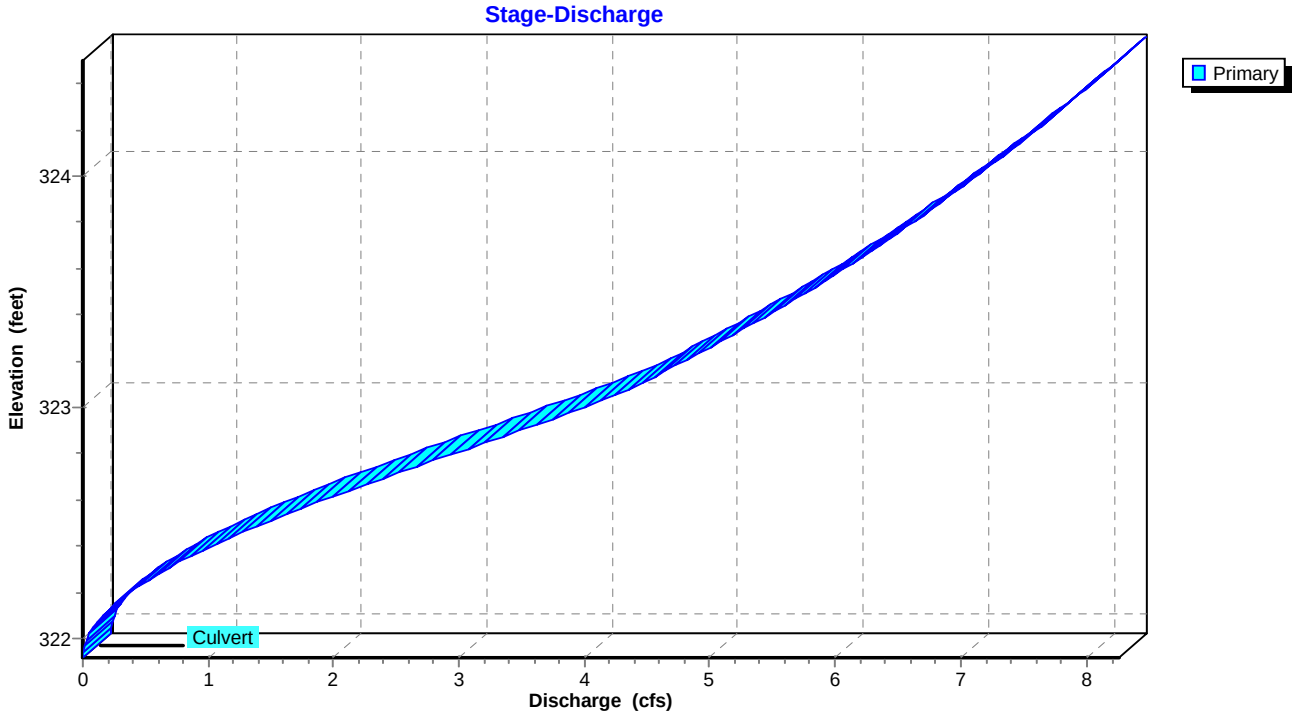
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.61 cfs @ 12.08 hrs HW=322.54' TW=320.34' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.61 cfs @ 2.67 fps)

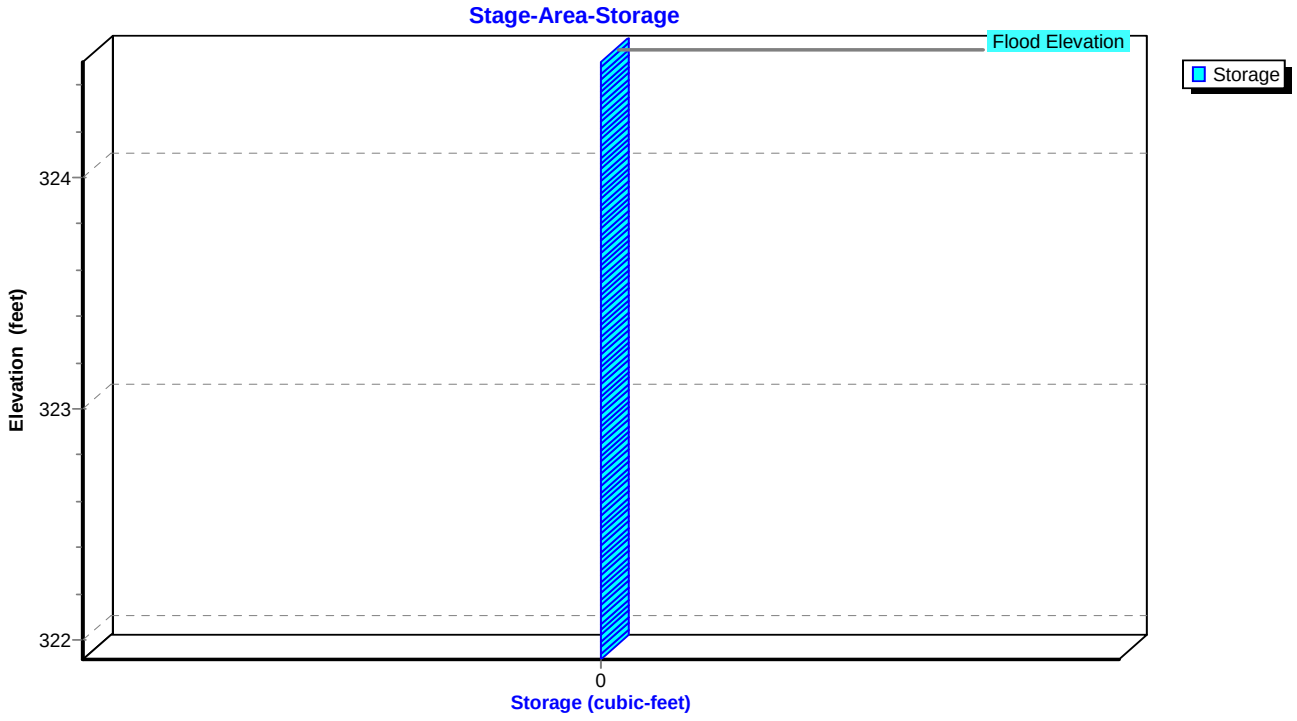
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.93	0.00
10.00	0.01	321.96	0.01
10.50	0.02	321.99	0.02
11.00	0.04	322.01	0.04
11.50	0.09	322.06	0.09
12.00	**0.93**	**322.38**	**0.93**
12.50	**0.39**	**322.21**	**0.39**
13.00	0.17	322.11	0.17
13.50	0.14	322.09	0.14
14.00	0.11	322.07	0.11
14.50	0.10	322.06	0.10
15.00	0.09	322.05	0.09
15.50	0.08	322.04	0.08
16.00	0.06	322.03	0.06
16.50	0.06	322.03	0.06
17.00	0.05	322.02	0.05
17.50	0.04	322.01	0.04
18.00	0.04	322.01	0.04
18.50	0.04	322.01	0.04
19.00	0.03	322.00	0.03
19.50	0.03	322.00	0.03
20.00	0.03	322.00	0.03
20.50	0.03	322.00	0.03
21.00	0.03	322.00	0.03
21.50	0.03	321.99	0.03
22.00	0.03	321.99	0.03
22.50	0.02	321.99	0.02
23.00	0.02	321.99	0.02
23.50	0.02	321.99	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

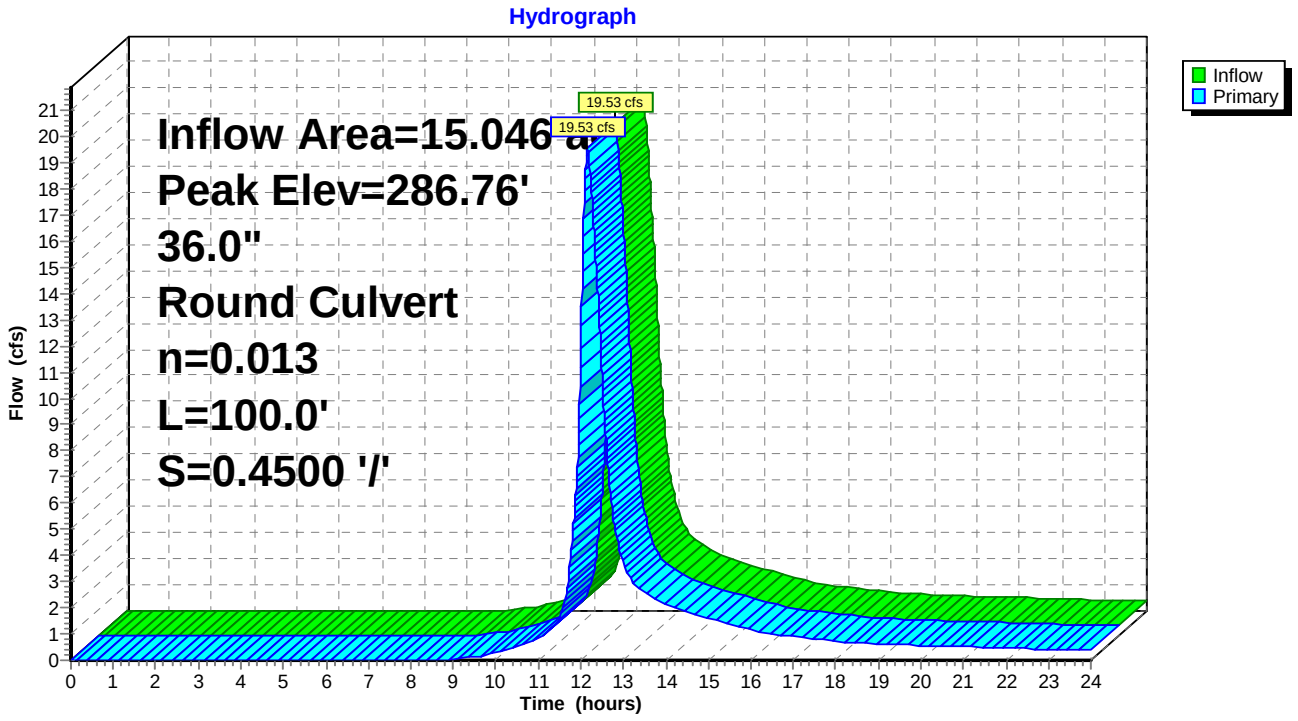
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 1.68" for 2-Year event
Inflow = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af
Outflow = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af, Atten= 0%, Lag= 0.0 min
Primary = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 286.76' @ 12.16 hrs
Flood Elev= 295.00'

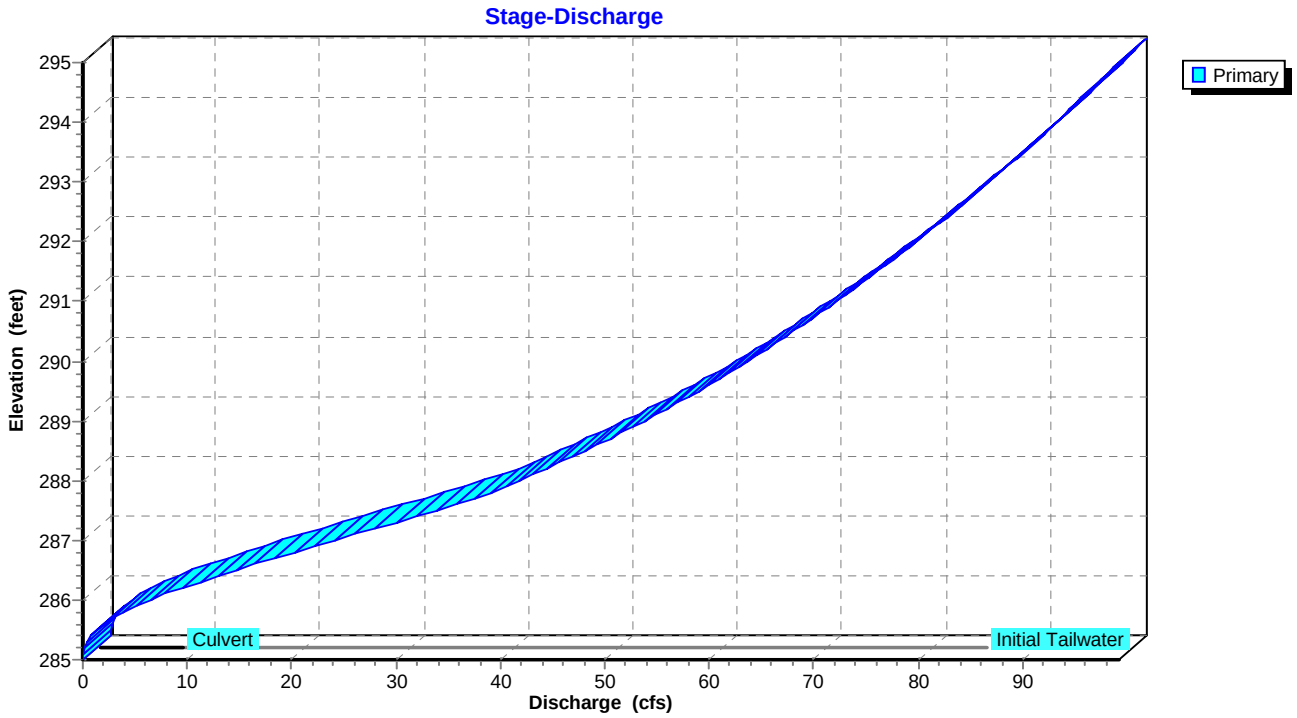
Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.52 cfs @ 12.16 hrs HW=286.76' TW=285.19' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 19.52 cfs @ 4.52 fps)

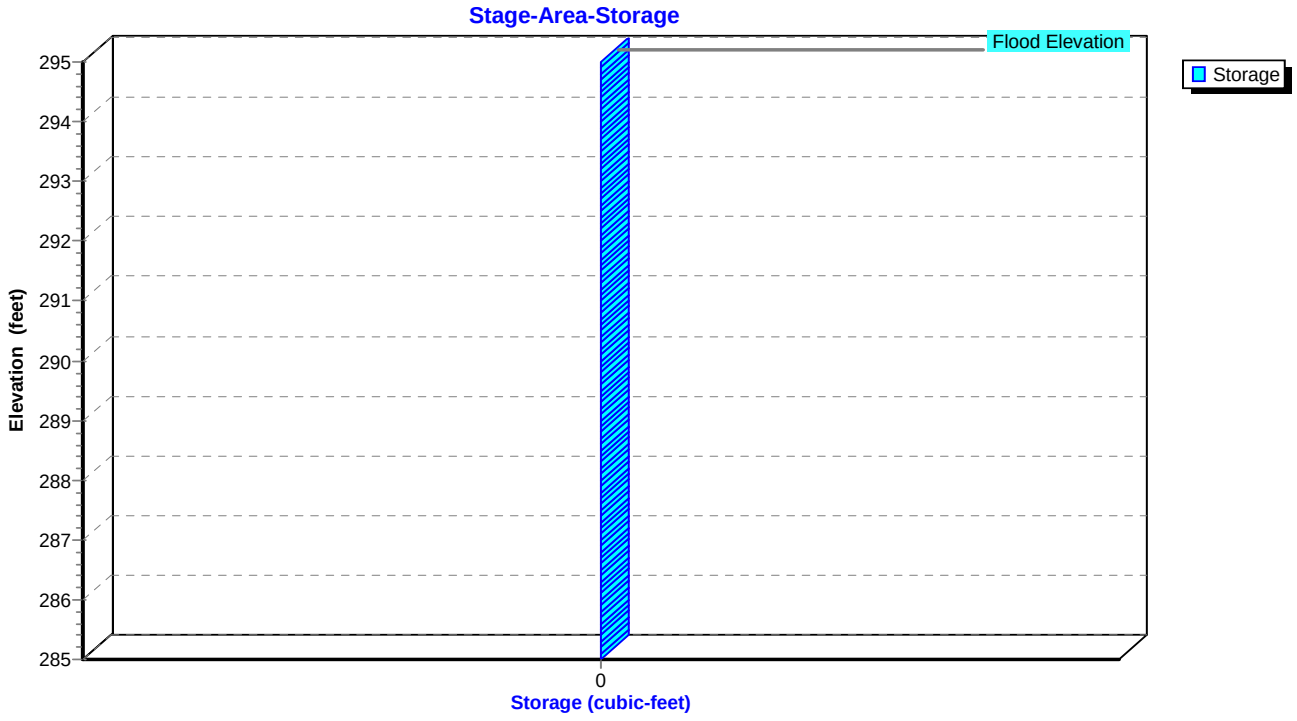
Pond MH1: (new Pond)



Pond MH1: (new Pond)



Pond MH1: (new Pond)



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.00	0.00
5.50	0.00	285.00	0.00
6.00	0.00	285.00	0.00
6.50	0.00	285.00	0.00
7.00	0.00	285.00	0.00
7.50	0.00	285.00	0.00
8.00	0.00	285.01	0.00
8.50	0.01	285.06	0.01
9.00	0.04	285.12	0.04
9.50	0.13	285.20	0.13
10.00	0.28	285.27	0.28
10.50	0.52	285.35	0.52
11.00	0.86	285.43	0.86
11.50	1.66	285.56	1.66
12.00	**11.93**	**286.37**	**11.93**
12.50	**10.90**	**286.31**	**10.90**
13.00	3.76	285.80	3.76
13.50	2.59	285.68	2.59
14.00	2.13	285.63	2.13
14.50	1.82	285.59	1.82
15.00	1.61	285.55	1.61
15.50	1.39	285.52	1.39
16.00	1.16	285.48	1.16
16.50	1.01	285.46	1.01
17.00	0.91	285.44	0.91
17.50	0.81	285.42	0.81
18.00	0.71	285.39	0.71
18.50	0.65	285.38	0.65
19.00	0.62	285.37	0.62
19.50	0.59	285.37	0.59
20.00	0.56	285.36	0.56
20.50	0.53	285.35	0.53
21.00	0.51	285.34	0.51
21.50	0.49	285.34	0.49
22.00	0.47	285.33	0.47
22.50	0.44	285.32	0.44
23.00	0.42	285.32	0.42
23.50	0.40	285.31	0.40
24.00	0.37	285.30	0.37

Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.10' Inflow=4.05 cfs 0.476 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=4.05 cfs 0.476 af

Pond CB10: Catchbasin Peak Elev=310.91' Inflow=22.85 cfs 2.595 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=22.85 cfs 2.595 af

Pond CB10-1: CB1-1 Peak Elev=312.68' Inflow=2.30 cfs 0.138 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.30 cfs 0.138 af

Pond CB11: Catchbasin Peak Elev=299.38' Inflow=24.43 cfs 2.725 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=24.43 cfs 2.725 af

Pond CB11-1: CB1-1 Peak Elev=302.78' Inflow=1.60 cfs 0.131 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.60 cfs 0.131 af

Pond CB12: Catchbasin Peak Elev=298.65' Inflow=27.56 cfs 2.985 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=27.56 cfs 2.985 af

Pond CB12-1: CB1-1 Peak Elev=300.64' Inflow=3.41 cfs 0.260 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.41 cfs 0.260 af

Pond CB13: Catchbasin Peak Elev=296.24' Inflow=29.53 cfs 3.152 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=29.53 cfs 3.152 af

Pond CB13-1: CB1-1 Peak Elev=297.11' Inflow=1.97 cfs 0.167 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.97 cfs 0.167 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.78' Inflow=8.53 cfs 0.959 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=8.53 cfs 0.959 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.97' Inflow=10.50 cfs 1.174 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=10.50 cfs 1.174 af

Pond CB4: Catchbasin Peak Elev=333.29' Inflow=13.96 cfs 1.593 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=13.96 cfs 1.593 af

Pond CB4-1: CB1-1 Peak Elev=336.84' Inflow=13.96 cfs 1.593 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=13.96 cfs 1.593 af

Pond CB5: Catchbasin Peak Elev=332.10' Inflow=14.31 cfs 1.653 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=14.31 cfs 1.653 af

Pond CB5-1: CB1-1 Peak Elev=334.40' Inflow=1.01 cfs 0.060 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.01 cfs 0.060 af

Pond CB6: Catchbasin Peak Elev=330.86' Inflow=17.20 cfs 1.924 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=17.20 cfs 1.924 af

Pond CB6-1: CB1-1 Peak Elev=336.81' Inflow=3.01 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.01 cfs 0.271 af

Pond CB7: Catchbasin Peak Elev=329.56' Inflow=19.65 cfs 2.172 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=19.65 cfs 2.172 af

Pond CB7-1: CB1-1 Peak Elev=335.35' Inflow=3.22 cfs 0.248 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.22 cfs 0.248 af

Pond CB8: Catchbasin Peak Elev=328.08' Inflow=20.37 cfs 2.283 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=20.37 cfs 2.283 af

Pond CB8-1: CB1-1 Peak Elev=330.84' Inflow=1.86 cfs 0.111 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.86 cfs 0.111 af

Pond CB9: Catchbasin Peak Elev=320.86' Inflow=21.92 cfs 2.457 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=21.92 cfs 2.457 af

Pond CB9-1: CB1-1 Peak Elev=322.72' Inflow=2.50 cfs 0.174 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.50 cfs 0.174 af

Pond MH1: (new Pond) Peak Elev=287.27' Inflow=29.53 cfs 3.152 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=29.53 cfs 3.152 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

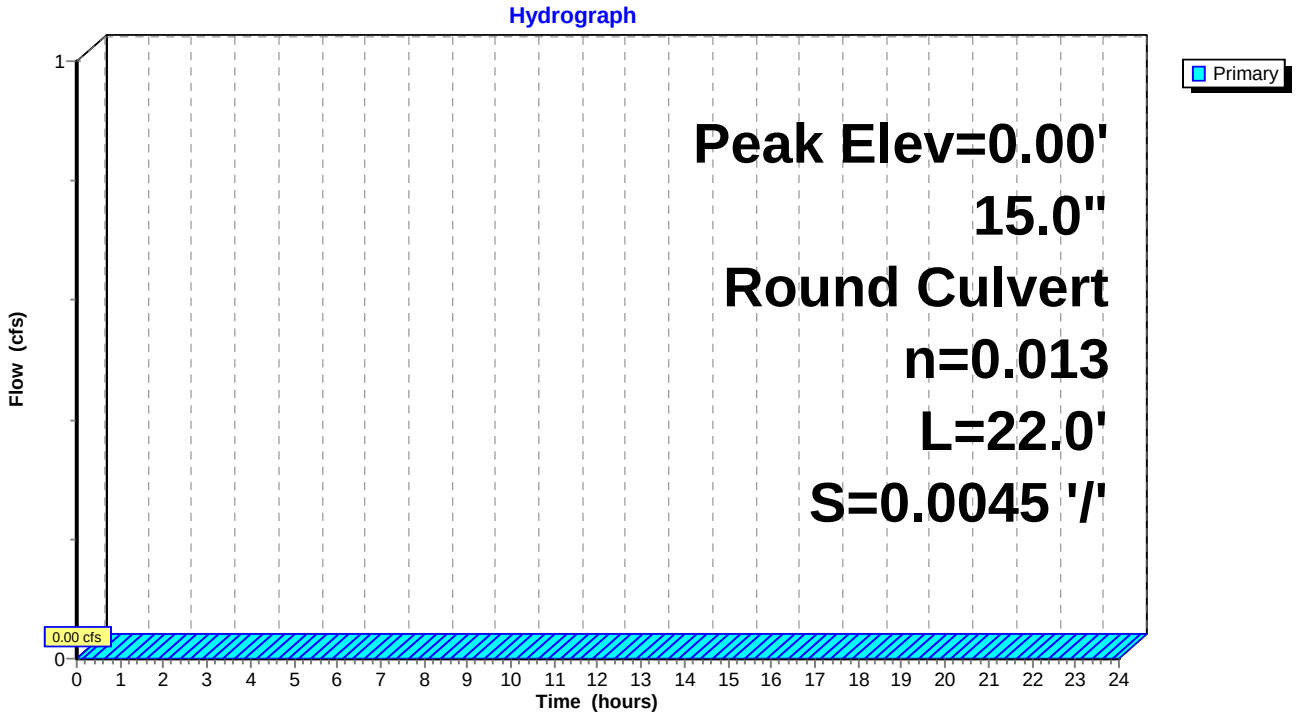
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

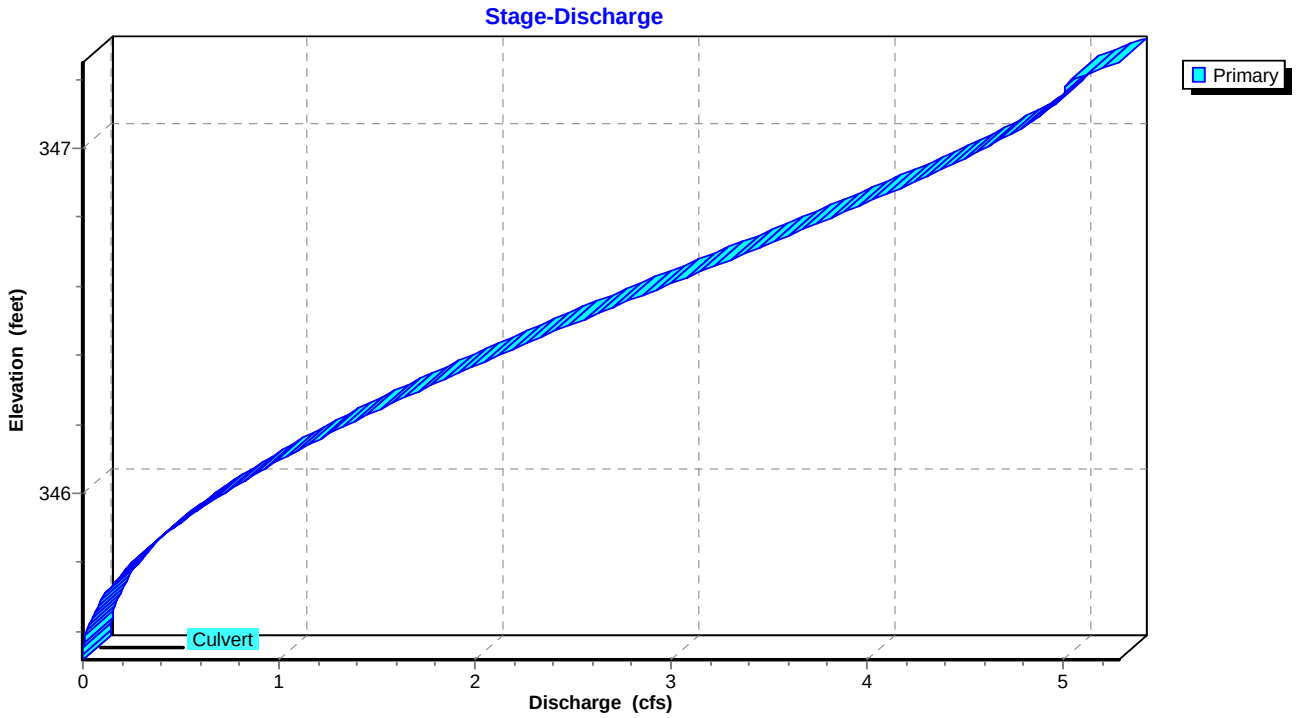
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

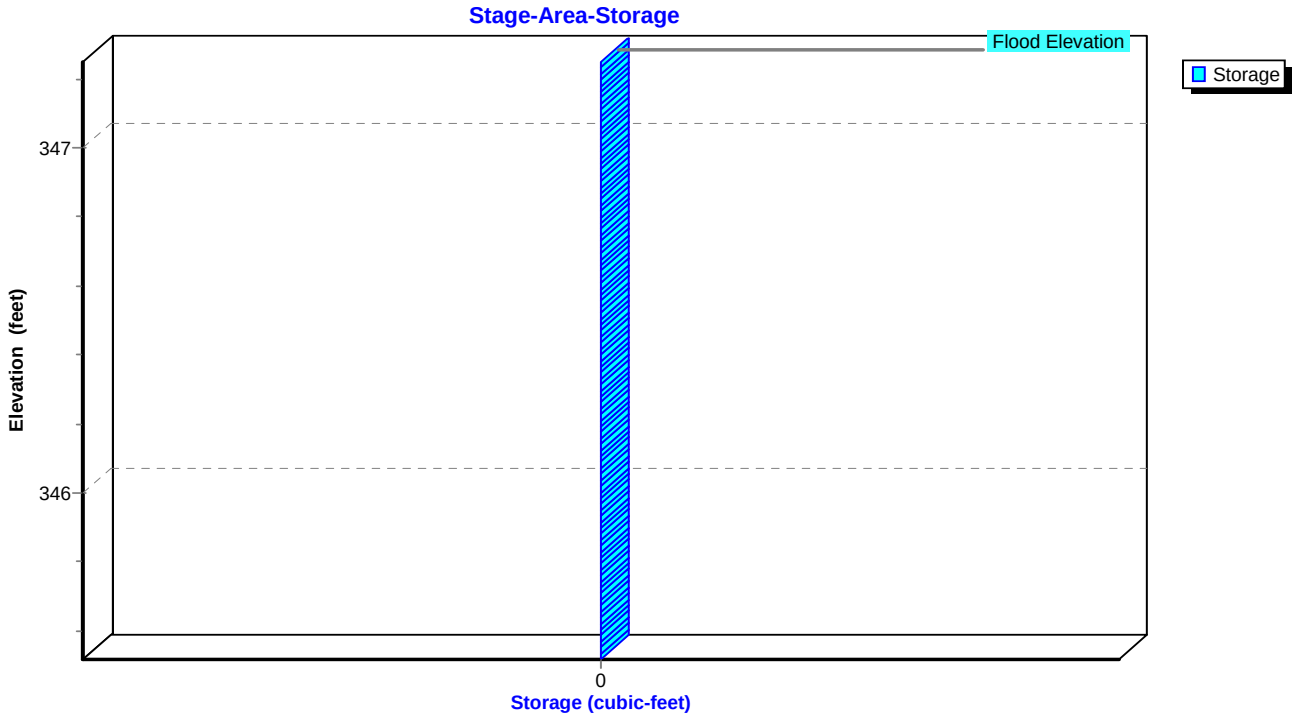
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

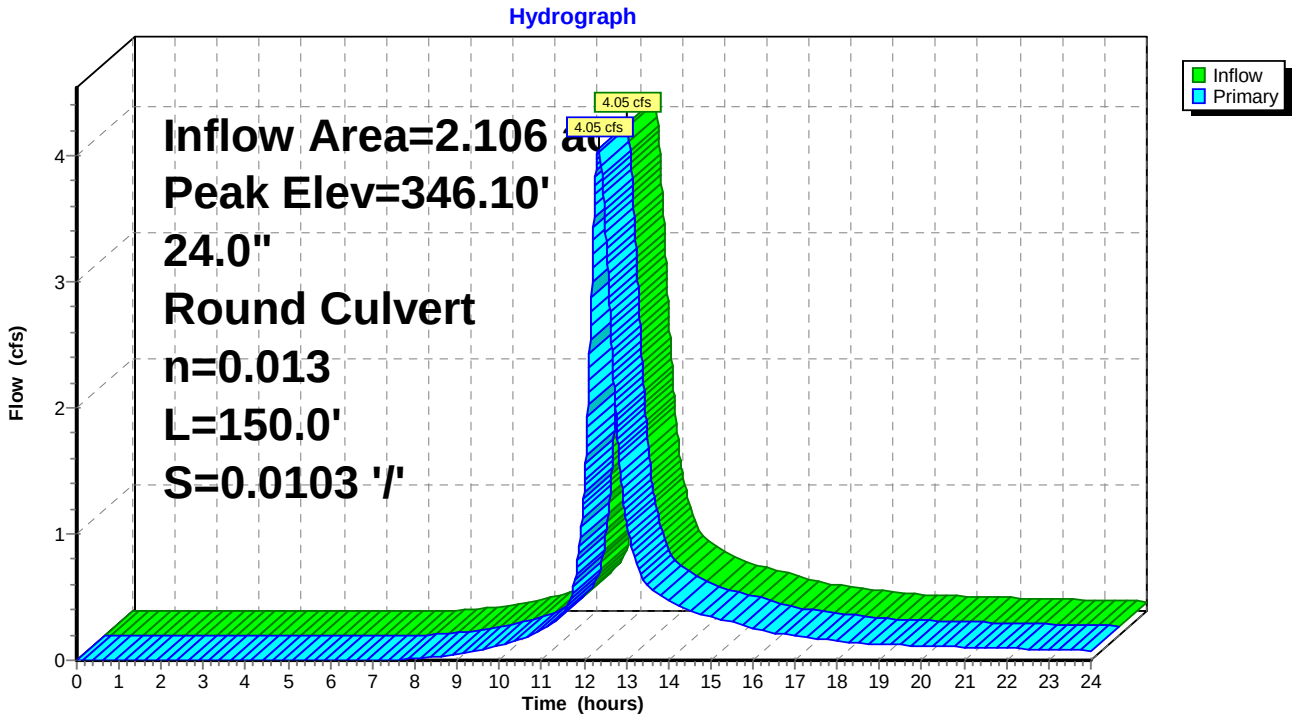
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 2.71" for 5-Year event
Inflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af
Outflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af, Atten= 0%, Lag= 0.0 min
Primary = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.10' @ 12.34 hrs
Flood Elev= 348.80'

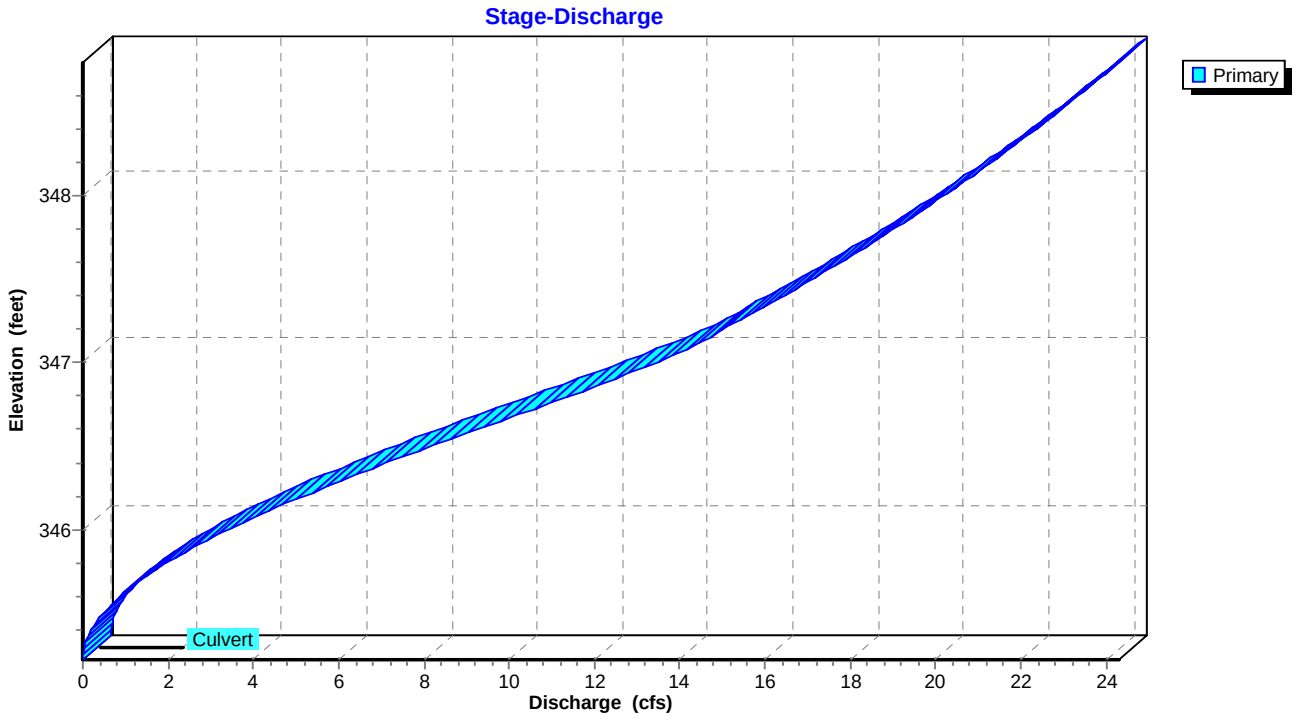
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=4.06 cfs @ 12.36 hrs HW=346.10' TW=344.76' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.06 cfs @ 4.49 fps)

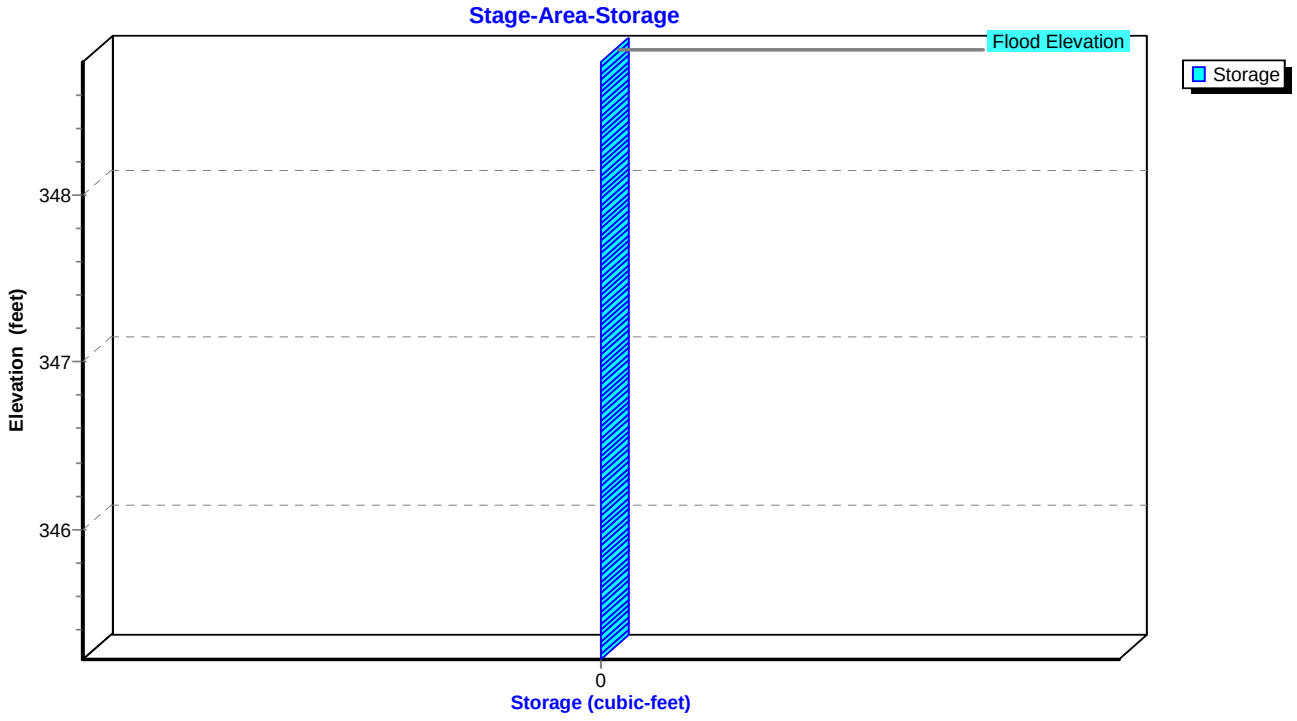
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.24	0.00
8.00	0.01	345.27	0.01
8.50	0.03	345.29	0.03
9.00	0.05	345.31	0.05
9.50	0.08	345.34	0.08
10.00	0.12	345.36	0.12
10.50	0.17	345.38	0.17
11.00	0.24	345.42	0.24
11.50	0.38	345.47	0.38
12.00	**1.33**	**345.69**	**1.33**
12.50	**3.51**	**346.02**	**3.51**
13.00	1.11	345.65	1.11
13.50	0.60	345.53	0.60
14.00	0.47	345.50	0.47
14.50	0.39	345.47	0.39
15.00	0.35	345.46	0.35
15.50	0.30	345.44	0.30
16.00	0.25	345.42	0.25
16.50	0.21	345.41	0.21
17.00	0.19	345.40	0.19
17.50	0.17	345.39	0.17
18.00	0.15	345.38	0.15
18.50	0.13	345.37	0.13
19.00	0.13	345.36	0.13
19.50	0.12	345.36	0.12
20.00	0.11	345.36	0.11
20.50	0.11	345.35	0.11
21.00	0.10	345.35	0.10
21.50	0.10	345.35	0.10
22.00	0.09	345.34	0.09
22.50	0.09	345.34	0.09
23.00	0.09	345.34	0.09
23.50	0.08	345.34	0.08
24.00	0.08	345.33	0.08

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

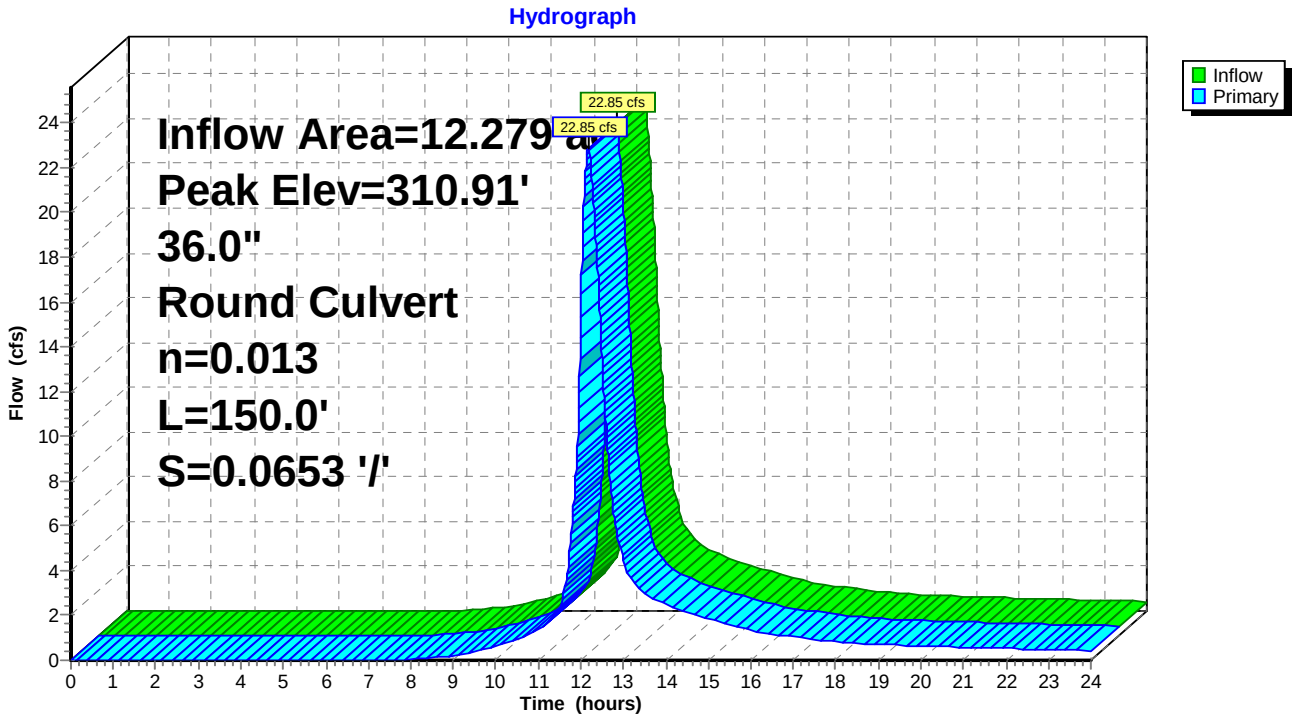
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af
Outflow = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af, Atten= 0%, Lag= 0.0 min
Primary = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.91' @ 12.17 hrs
Flood Elev= 313.50'

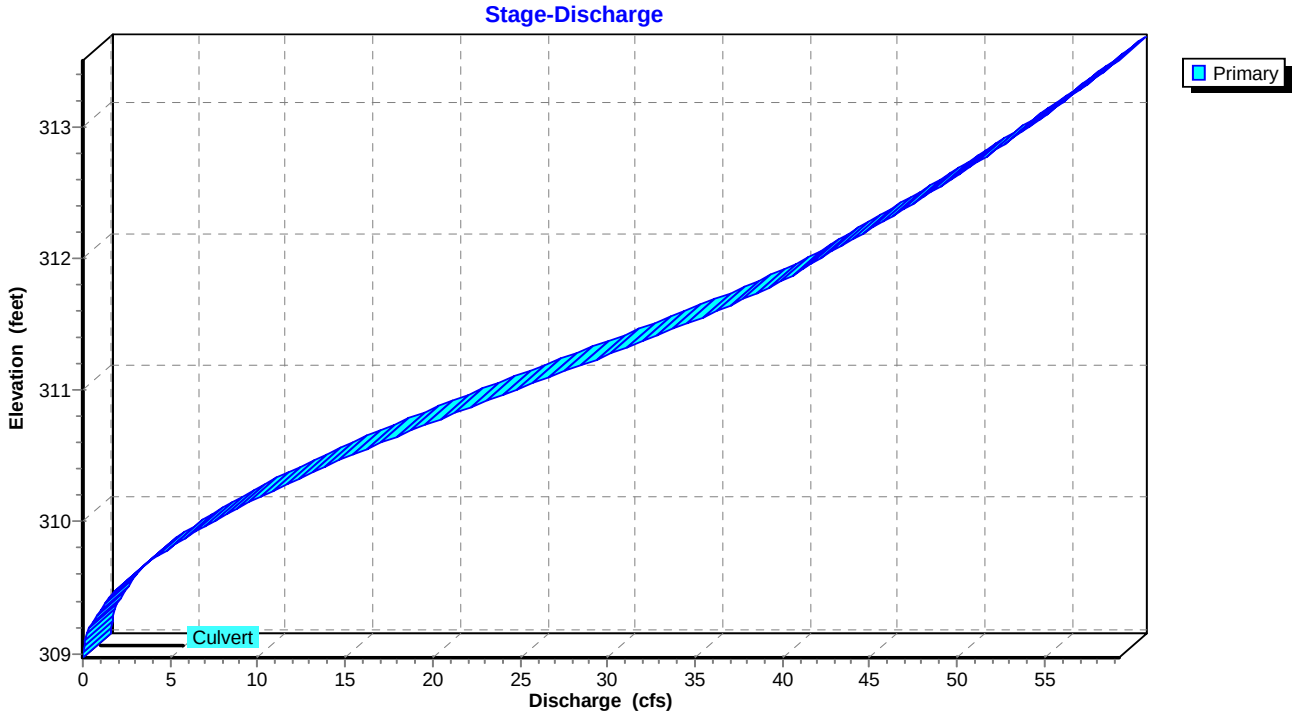
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=22.85 cfs @ 12.17 hrs HW=310.91' TW=299.38' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 22.85 cfs @ 4.74 fps)

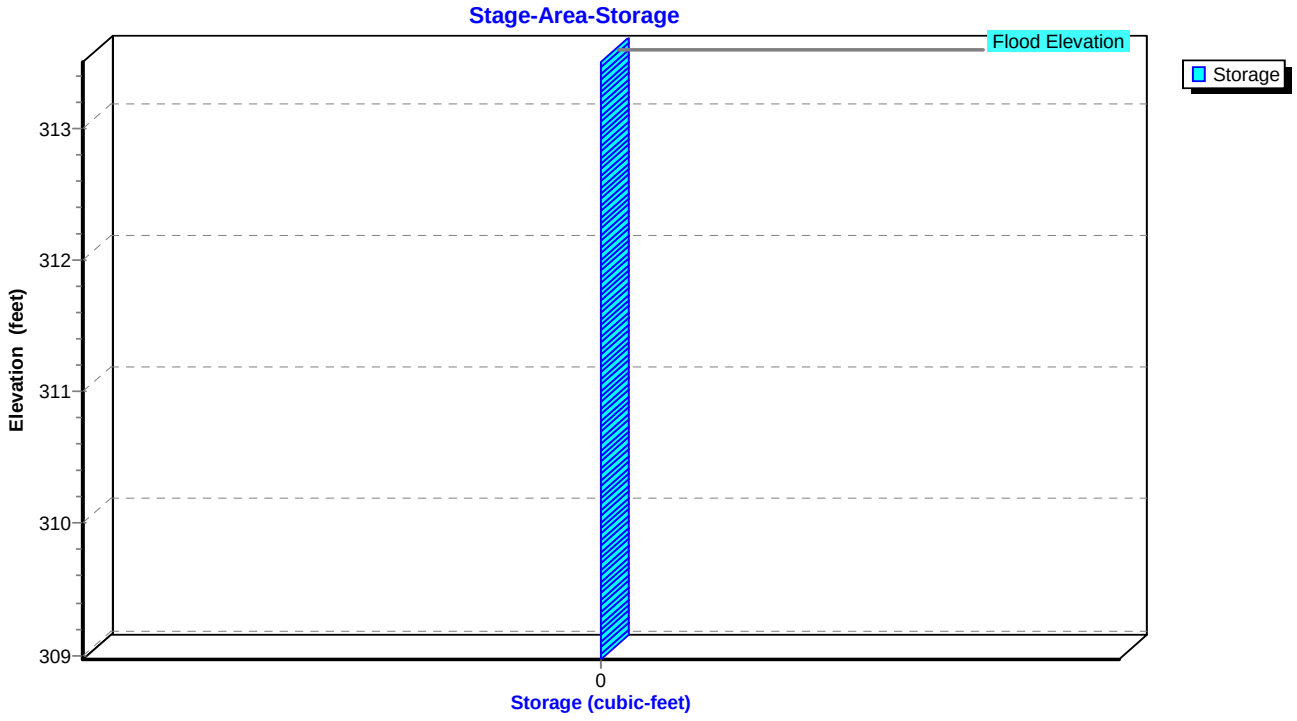
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.98	0.00
7.50	0.01	309.00	0.01
8.00	0.04	309.04	0.04
8.50	0.10	309.09	0.10
9.00	0.23	309.14	0.23
9.50	0.40	309.20	0.40
10.00	0.60	309.25	0.60
10.50	0.92	309.32	0.92
11.00	1.36	309.39	1.36
11.50	2.39	309.54	2.39
12.00	**15.33**	**310.50**	**15.33**
12.50	**13.45**	**310.40**	**13.45**
13.00	4.50	309.76	4.50
13.50	3.02	309.61	3.02
14.00	2.47	309.55	2.47
14.50	2.10	309.50	2.10
15.00	1.85	309.47	1.85
15.50	1.59	309.43	1.59
16.00	1.33	309.39	1.33
16.50	1.15	309.36	1.15
17.00	1.04	309.34	1.04
17.50	0.92	309.32	0.92
18.00	0.81	309.30	0.81
18.50	0.74	309.28	0.74
19.00	0.70	309.27	0.70
19.50	0.67	309.27	0.67
20.00	0.63	309.26	0.63
20.50	0.60	309.25	0.60
21.00	0.58	309.25	0.58
21.50	0.55	309.24	0.55
22.00	0.53	309.23	0.53
22.50	0.50	309.23	0.50
23.00	0.47	309.22	0.47
23.50	0.45	309.21	0.45
24.00	0.42	309.20	0.42

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

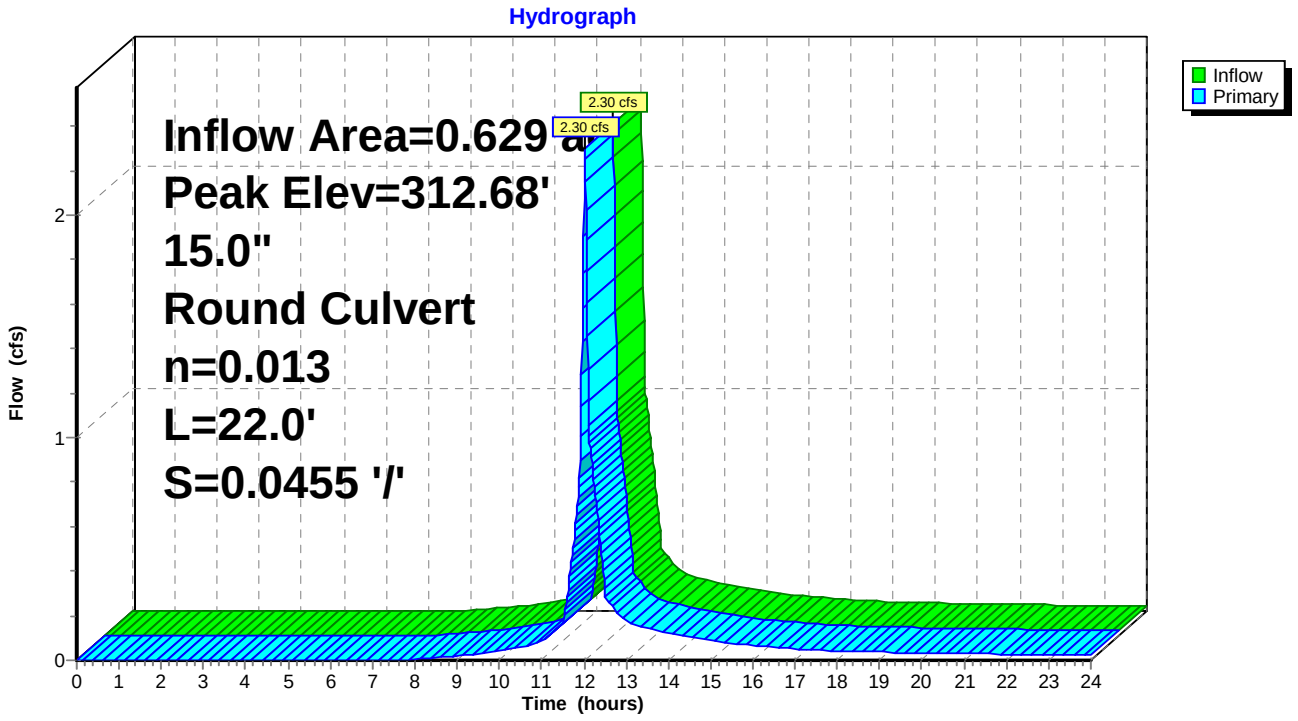
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 2.64" for 5-Year event
Inflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af
Outflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.68' @ 12.02 hrs
Flood Elev= 314.50'

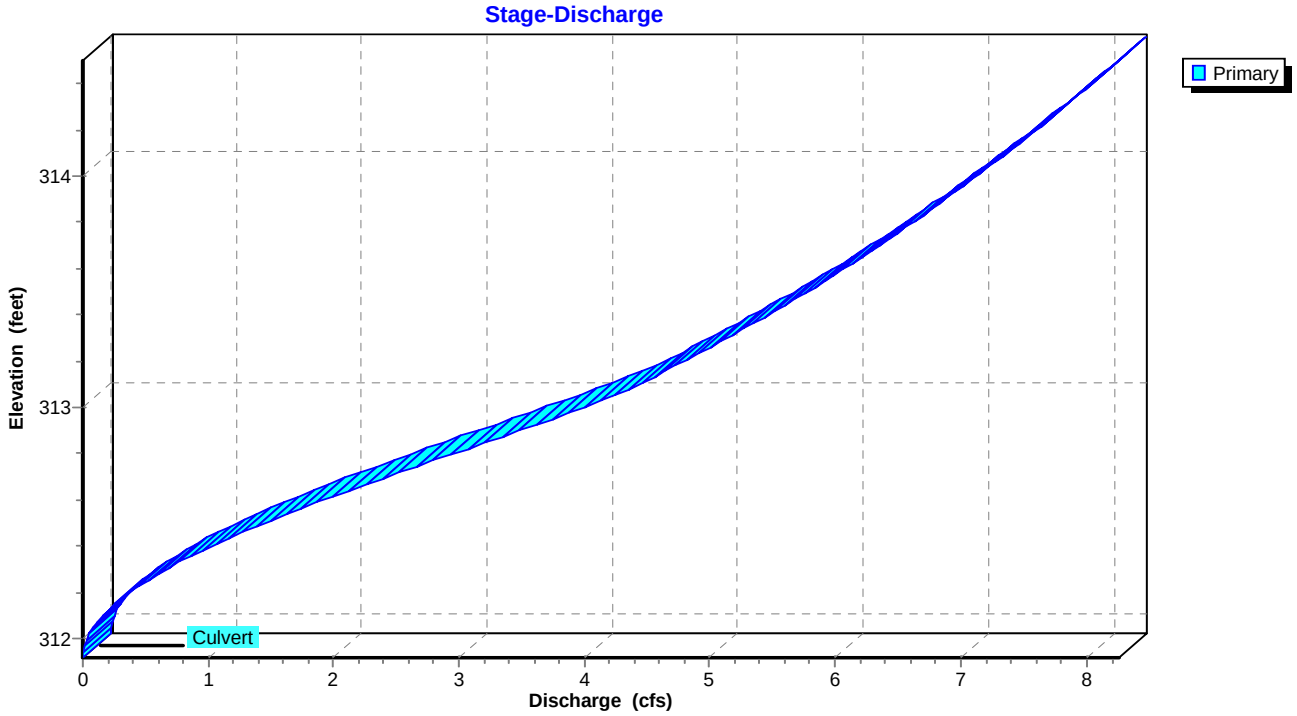
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.30 cfs @ 12.02 hrs HW=312.68' TW=310.61' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.96 fps)

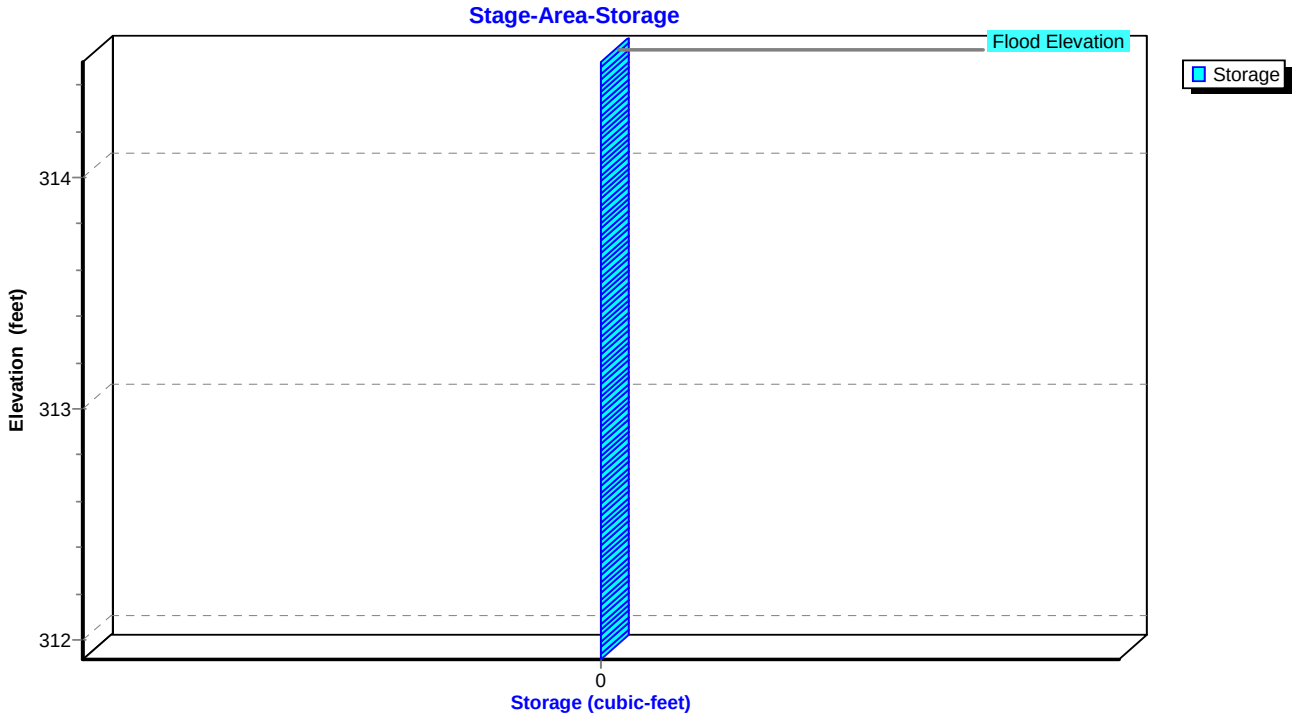
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.93	0.00
8.00	0.00	311.95	0.00
8.50	0.01	311.97	0.01
9.00	0.02	311.98	0.02
9.50	0.03	312.00	0.03
10.00	0.04	312.01	0.04
10.50	0.06	312.03	0.06
11.00	0.09	312.05	0.09
11.50	0.17	312.10	0.17
12.00	**2.07**	**312.63**	**2.07**
12.50	**0.31**	**312.18**	**0.31**
13.00	0.17	312.11	0.17
13.50	0.15	312.09	0.15
14.00	0.12	312.08	0.12
14.50	0.10	312.07	0.10
15.00	0.09	312.06	0.09
15.50	0.08	312.05	0.08
16.00	0.06	312.03	0.06
16.50	0.06	312.03	0.06
17.00	0.05	312.02	0.05
17.50	0.05	312.02	0.05
18.00	0.04	312.01	0.04
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.03	312.00	0.03
20.00	0.03	312.00	0.03
20.50	0.03	312.00	0.03
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	311.99	0.03
22.50	0.03	311.99	0.03
23.00	0.02	311.99	0.02
23.50	0.02	311.99	0.02
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

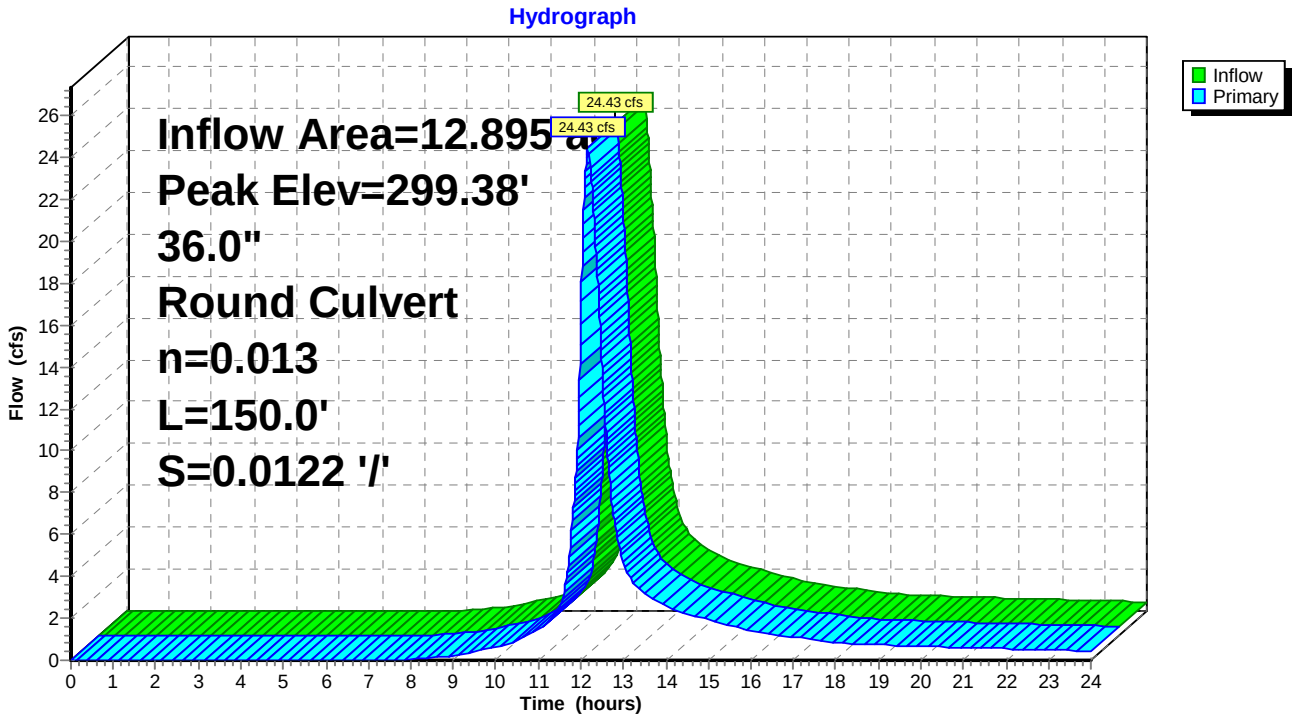
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af
Outflow = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af, Atten= 0%, Lag= 0.0 min
Primary = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.38' @ 12.16 hrs
Flood Elev= 304.00'

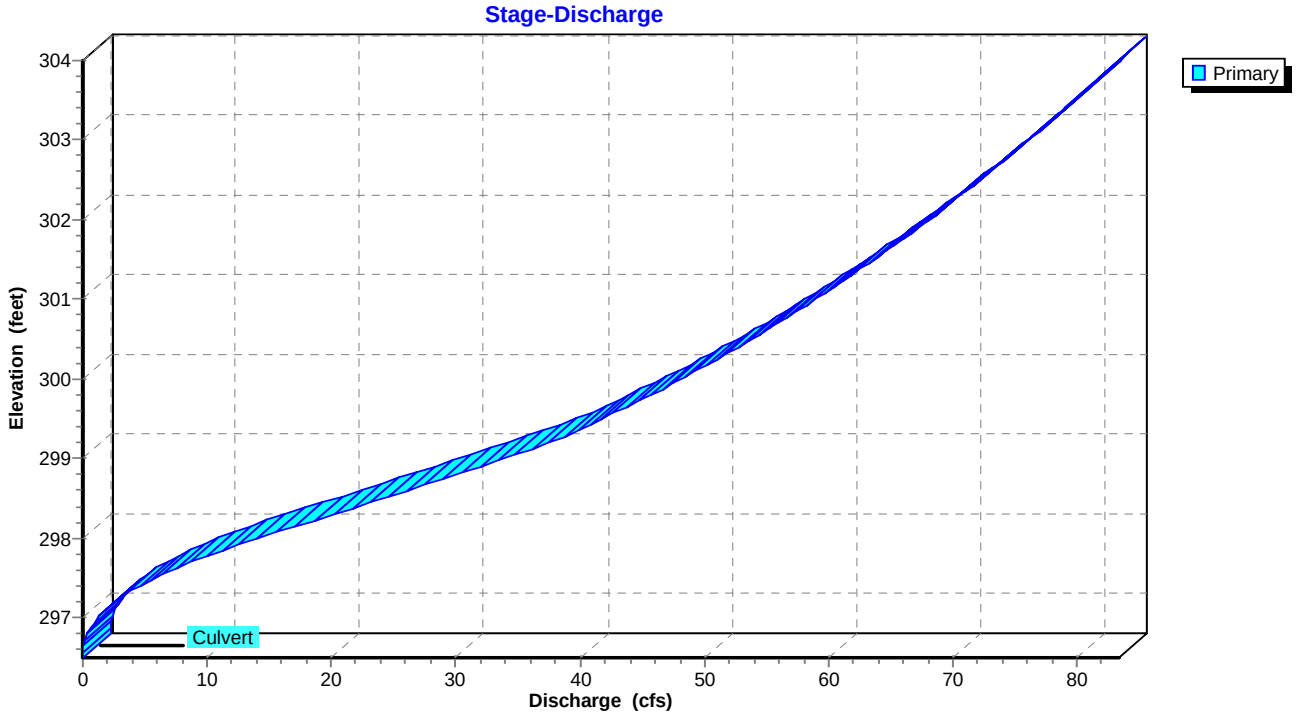
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=24.48 cfs @ 12.16 hrs HW=299.38' TW=298.64' (Dynamic Tailwater)
1=Culvert (Outlet Controls 24.48 cfs @ 4.49 fps)

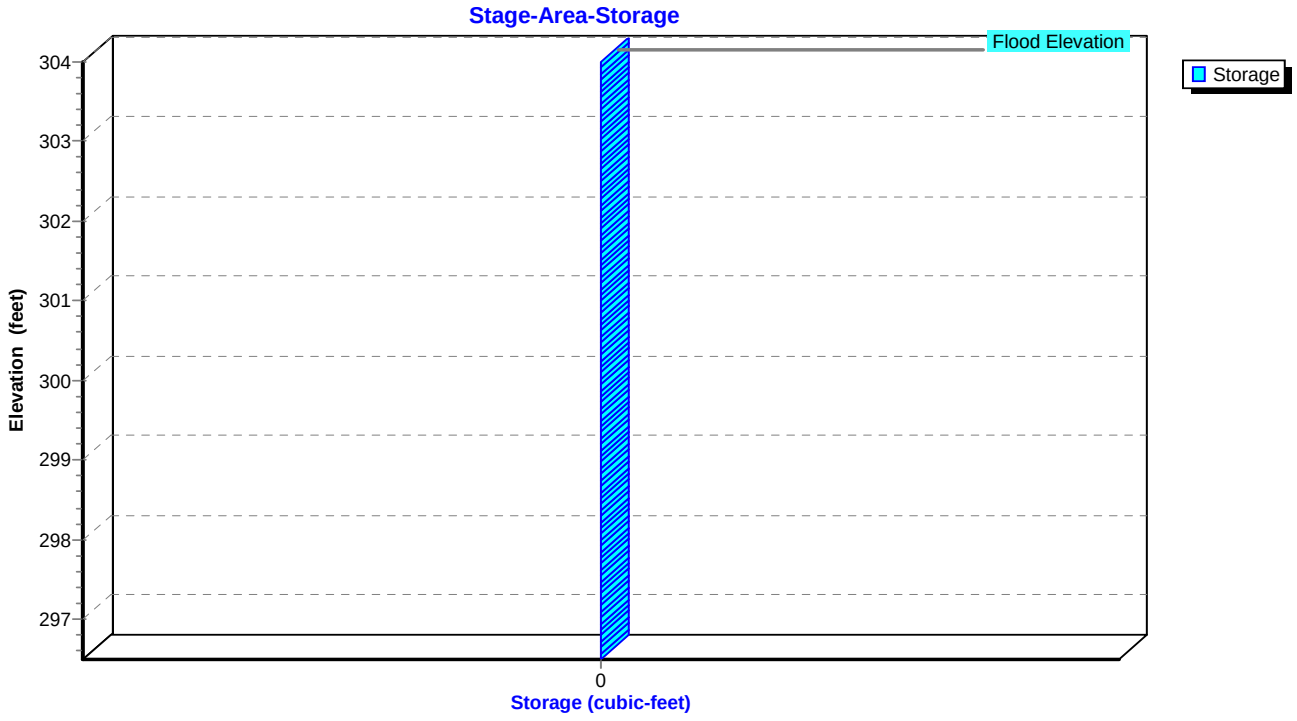
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.50	0.00
5.50	0.00	296.50	0.00
6.00	0.00	296.50	0.00
6.50	0.00	296.50	0.00
7.00	0.00	296.52	0.00
7.50	0.01	296.57	0.01
8.00	0.04	296.64	0.04
8.50	0.11	296.72	0.11
9.00	0.24	296.81	0.24
9.50	0.42	296.89	0.42
10.00	0.64	296.97	0.64
10.50	0.96	297.07	0.96
11.00	1.43	297.18	1.43
11.50	2.52	297.38	2.52
12.00	**16.09**	**298.71**	**16.09**
12.50	**14.01**	**298.58**	**14.01**
13.00	4.69	297.69	4.69
13.50	3.17	297.48	3.17
14.00	2.59	297.39	2.59
14.50	2.21	297.33	2.21
15.00	1.94	297.28	1.94
15.50	1.67	297.23	1.67
16.00	1.40	297.17	1.40
16.50	1.21	297.13	1.21
17.00	1.09	297.10	1.09
17.50	0.97	297.07	0.97
18.00	0.85	297.04	0.85
18.50	0.78	297.02	0.78
19.00	0.74	297.00	0.74
19.50	0.70	296.99	0.70
20.00	0.67	296.98	0.67
20.50	0.63	296.97	0.63
21.00	0.61	296.96	0.61
21.50	0.58	296.95	0.58
22.00	0.55	296.94	0.55
22.50	0.53	296.93	0.53
23.00	0.50	296.92	0.50
23.50	0.47	296.91	0.47
24.00	0.44	296.90	0.44

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

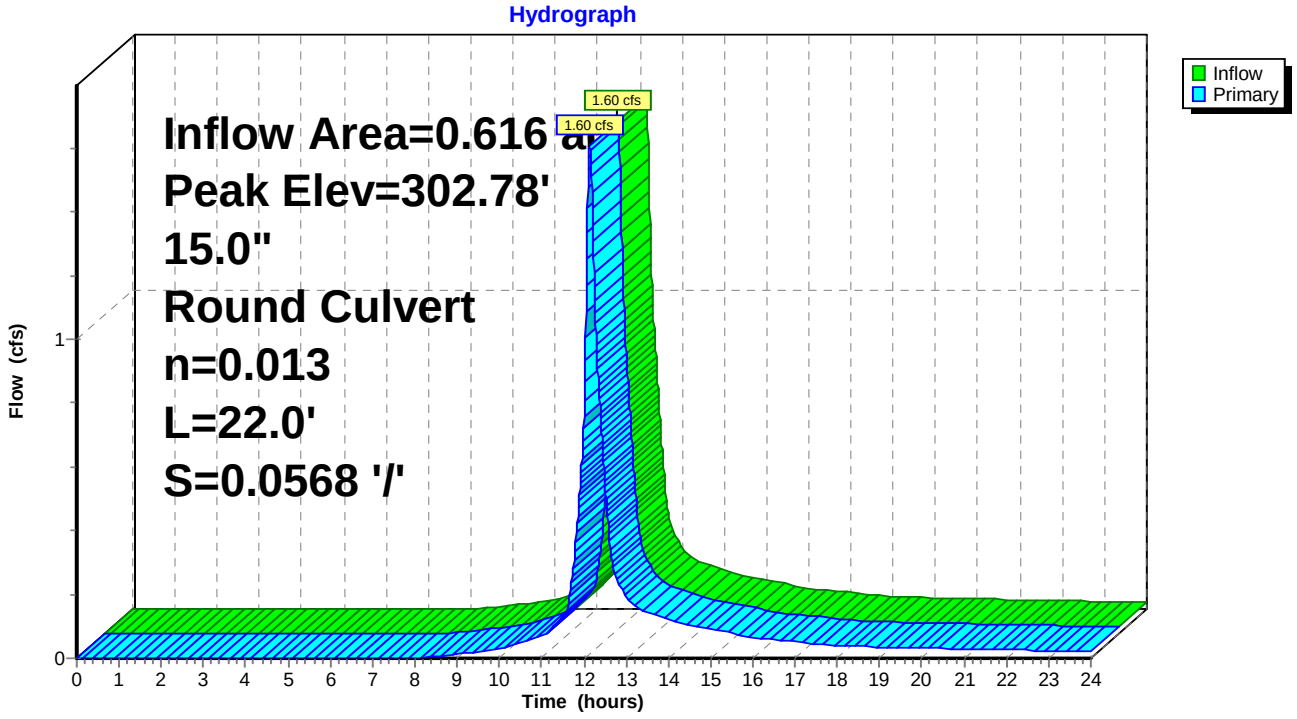
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af
Outflow = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af, Atten= 0%, Lag= 0.0 min
Primary = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.78' @ 12.14 hrs
Flood Elev= 304.80'

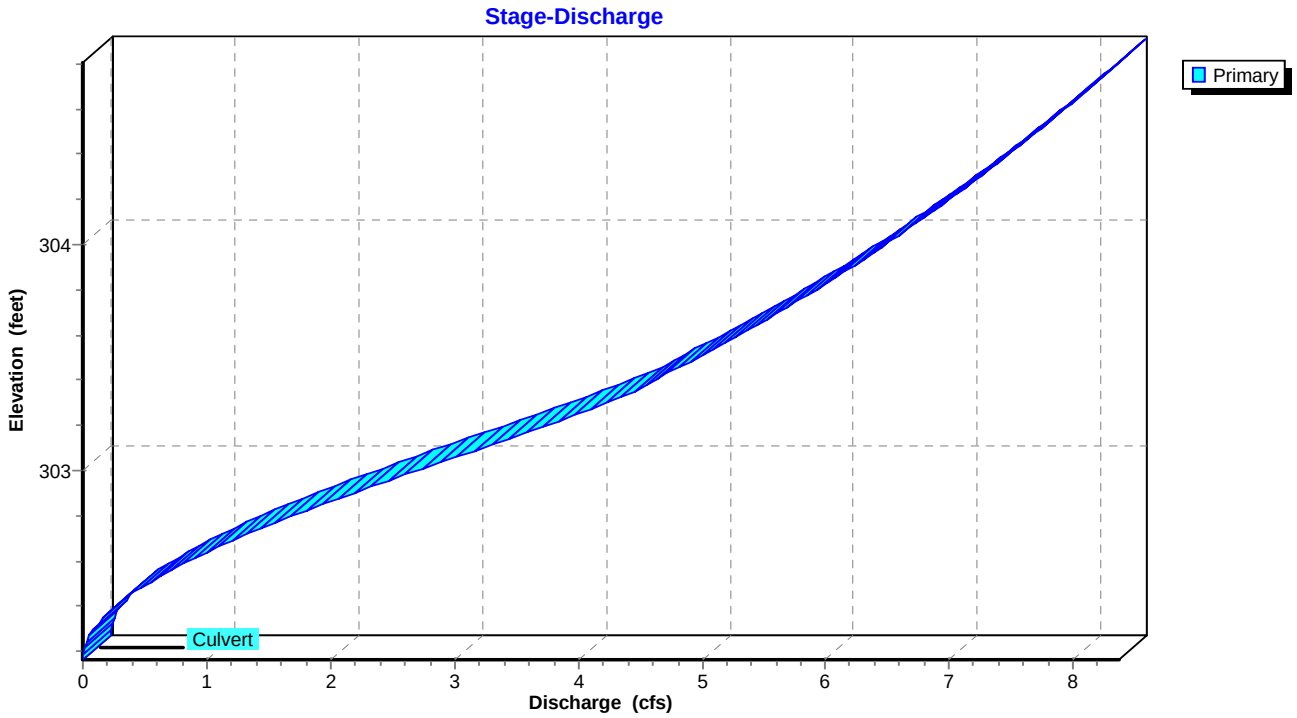
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.60 cfs @ 12.14 hrs HW=302.78' TW=299.37' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.60 cfs @ 2.67 fps)

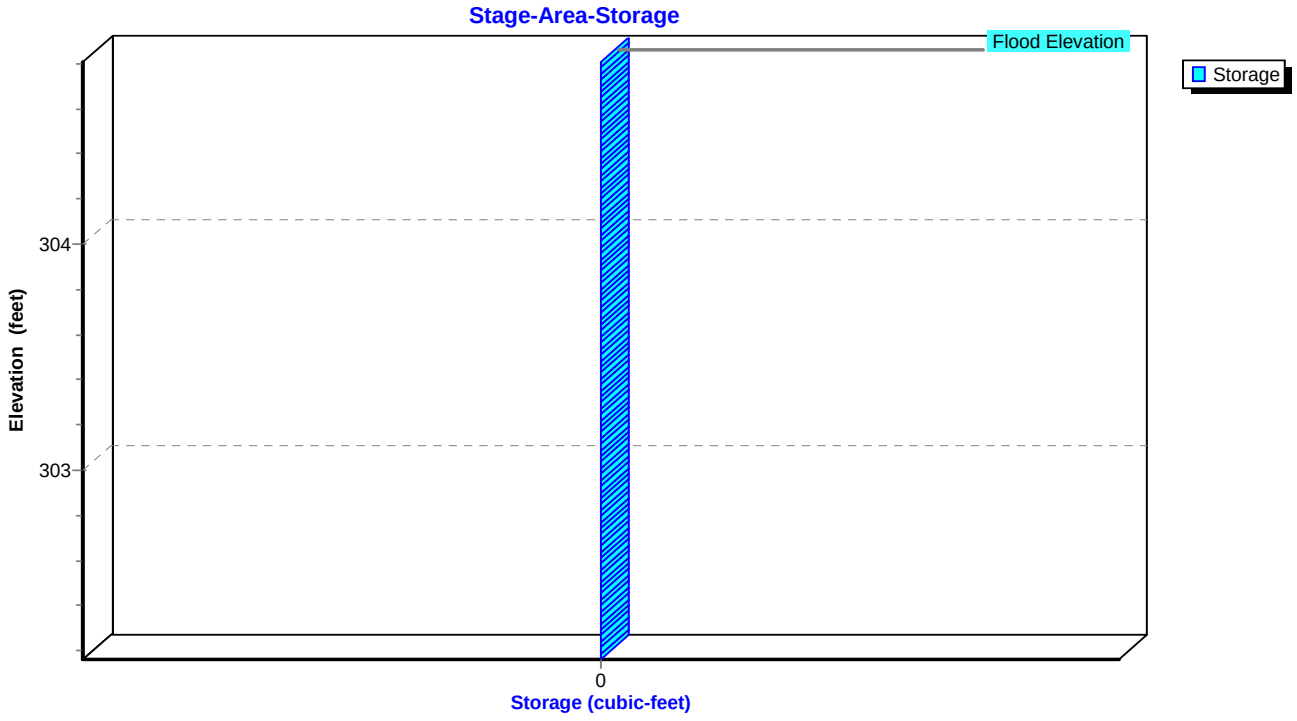
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.19	0.00
8.50	0.01	302.20	0.01
9.00	0.01	302.22	0.01
9.50	0.02	302.24	0.02
10.00	0.03	302.25	0.03
10.50	0.05	302.27	0.05
11.00	0.07	302.29	0.07
11.50	0.13	302.33	0.13
12.00	**0.76**	**302.58**	**0.76**
12.50	**0.56**	**302.52**	**0.56**
13.00	0.19	302.37	0.19
13.50	0.15	302.34	0.15
14.00	0.12	302.33	0.12
14.50	0.10	302.32	0.10
15.00	0.09	302.31	0.09
15.50	0.08	302.30	0.08
16.00	0.07	302.28	0.07
16.50	0.06	302.28	0.06
17.00	0.05	302.27	0.05
17.50	0.05	302.27	0.05
18.00	0.04	302.26	0.04
18.50	0.04	302.26	0.04
19.00	0.04	302.25	0.04
19.50	0.03	302.25	0.03
20.00	0.03	302.25	0.03
20.50	0.03	302.25	0.03
21.00	0.03	302.25	0.03
21.50	0.03	302.24	0.03
22.00	0.03	302.24	0.03
22.50	0.02	302.24	0.02
23.00	0.02	302.24	0.02
23.50	0.02	302.24	0.02
24.00	0.02	302.23	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

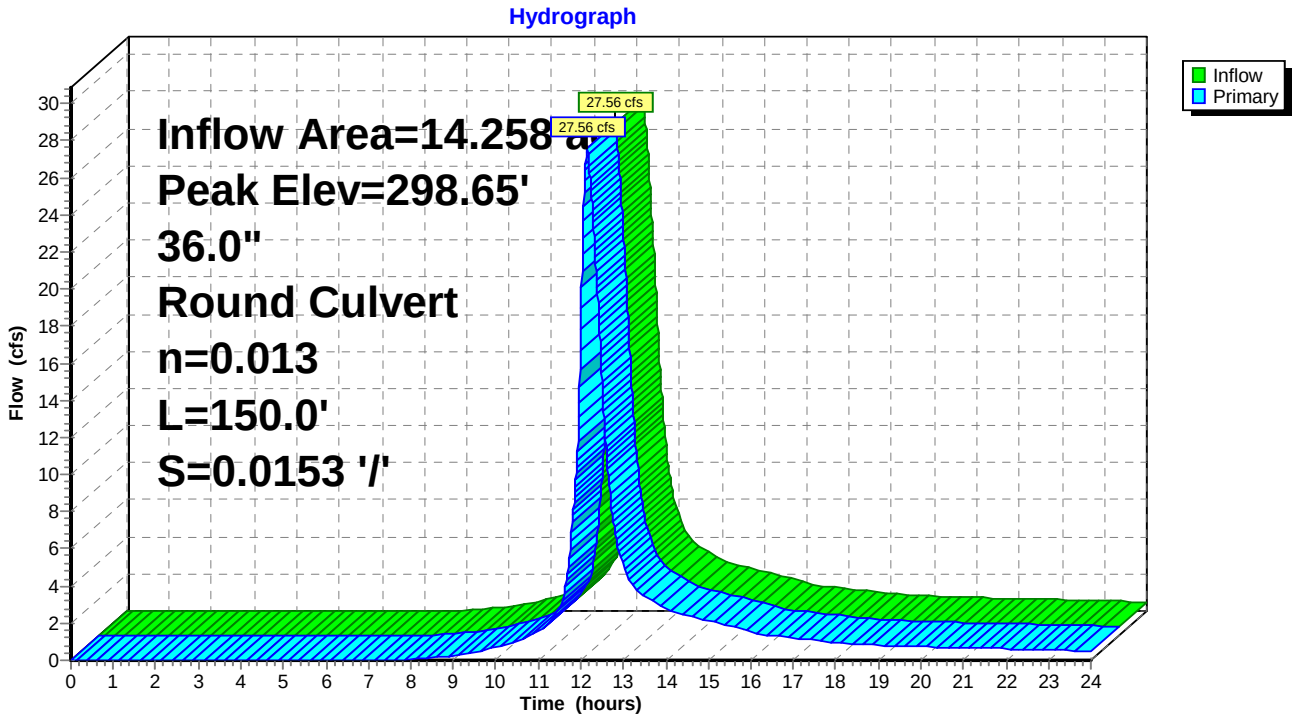
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 2.51" for 5-Year event
Inflow = 27.56 cfs @ 12.15 hrs, Volume= 2.985 af
Outflow = 27.56 cfs @ 12.15 hrs, Volume= 2.985 af, Atten= 0%, Lag= 0.0 min
Primary = 27.56 cfs @ 12.15 hrs, Volume= 2.985 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.65' @ 12.15 hrs
Flood Elev= 301.50'

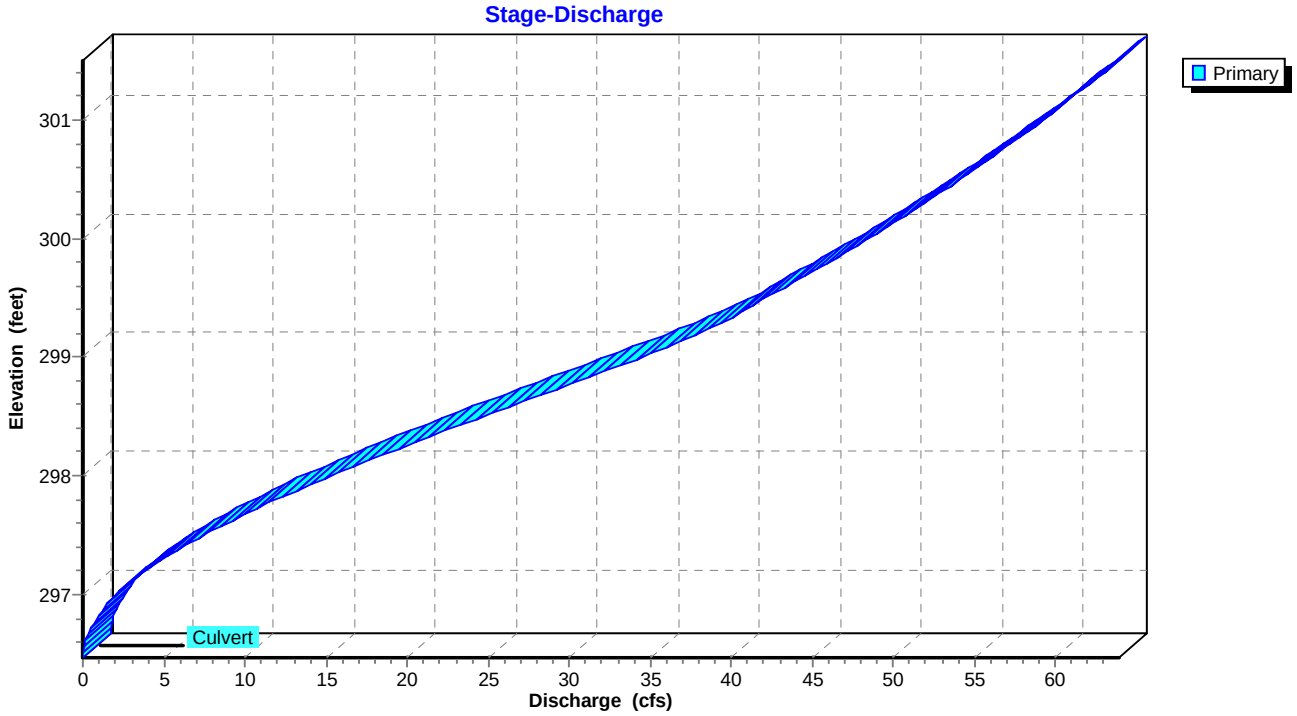
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=27.56 cfs @ 12.15 hrs HW=298.64' TW=296.24' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 27.56 cfs @ 5.02 fps)

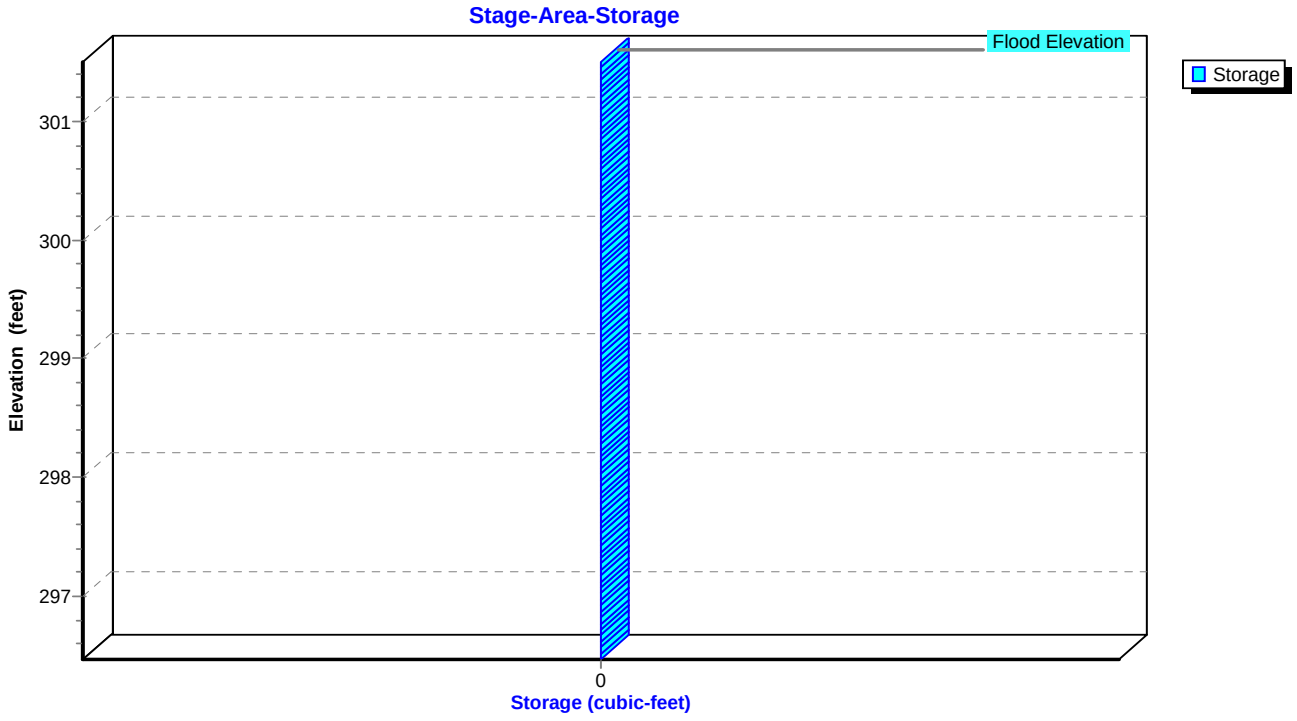
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.47	0.00
7.00	0.00	296.48	0.00
7.50	0.01	296.50	0.01
8.00	0.04	296.54	0.04
8.50	0.11	296.59	0.11
9.00	0.25	296.65	0.25
9.50	0.44	296.71	0.44
10.00	0.68	296.77	0.68
10.50	1.04	296.84	1.04
11.00	1.55	296.93	1.55
11.50	2.77	297.08	2.77
12.00	**17.80**	**298.14**	**17.80**
12.50	**15.02**	**297.99**	**15.02**
13.00	5.08	297.31	5.08
13.50	3.47	297.16	3.47
14.00	2.83	297.09	2.83
14.50	2.42	297.04	2.42
15.00	2.13	297.01	2.13
15.50	1.83	296.97	1.83
16.00	1.53	296.92	1.53
16.50	1.33	296.89	1.33
17.00	1.20	296.87	1.20
17.50	1.06	296.85	1.06
18.00	0.93	296.82	0.93
18.50	0.85	296.81	0.85
19.00	0.81	296.80	0.81
19.50	0.77	296.79	0.77
20.00	0.73	296.78	0.73
20.50	0.70	296.77	0.70
21.00	0.67	296.77	0.67
21.50	0.64	296.76	0.64
22.00	0.61	296.75	0.61
22.50	0.58	296.74	0.58
23.00	0.55	296.74	0.55
23.50	0.52	296.73	0.52
24.00	0.49	296.72	0.49

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

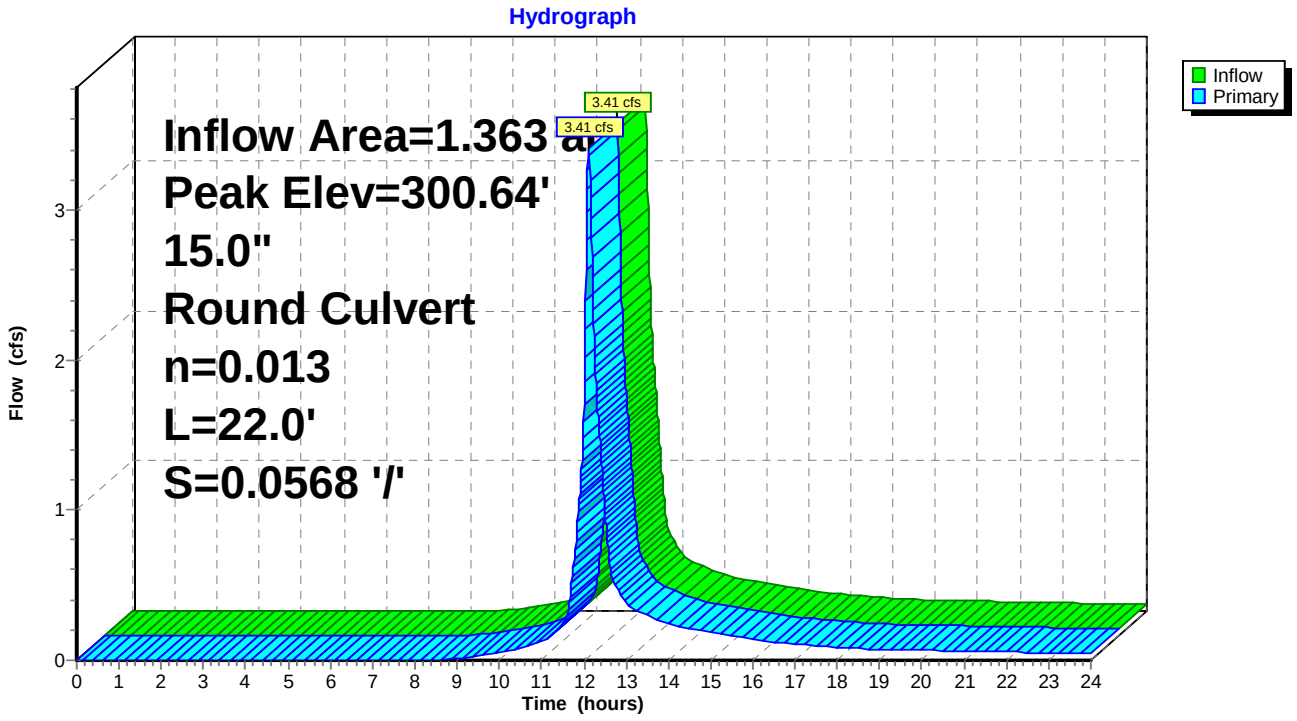
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 2.29" for 5-Year event
Inflow = 3.41 cfs @ 12.12 hrs, Volume= 0.260 af
Outflow = 3.41 cfs @ 12.12 hrs, Volume= 0.260 af, Atten= 0%, Lag= 0.0 min
Primary = 3.41 cfs @ 12.12 hrs, Volume= 0.260 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.64' @ 12.12 hrs
Flood Elev= 302.80'

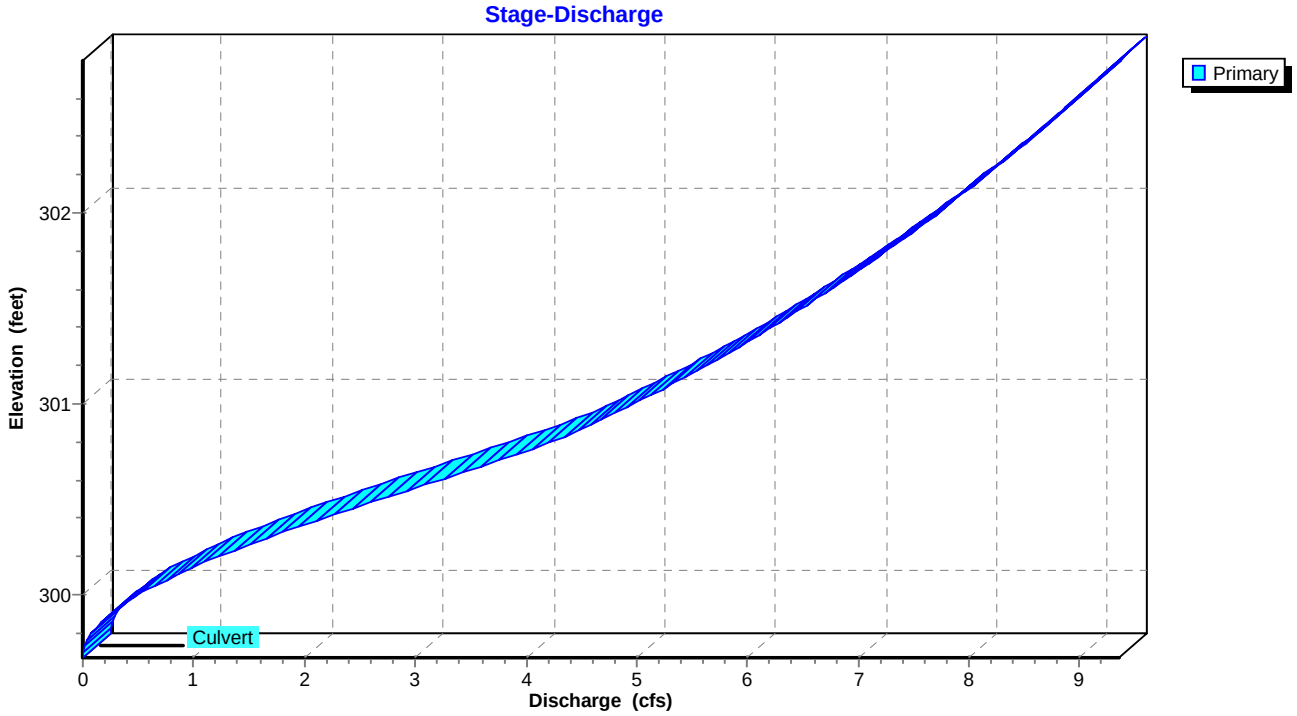
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.41 cfs @ 12.12 hrs HW=300.64' TW=298.61' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.41 cfs @ 3.35 fps)

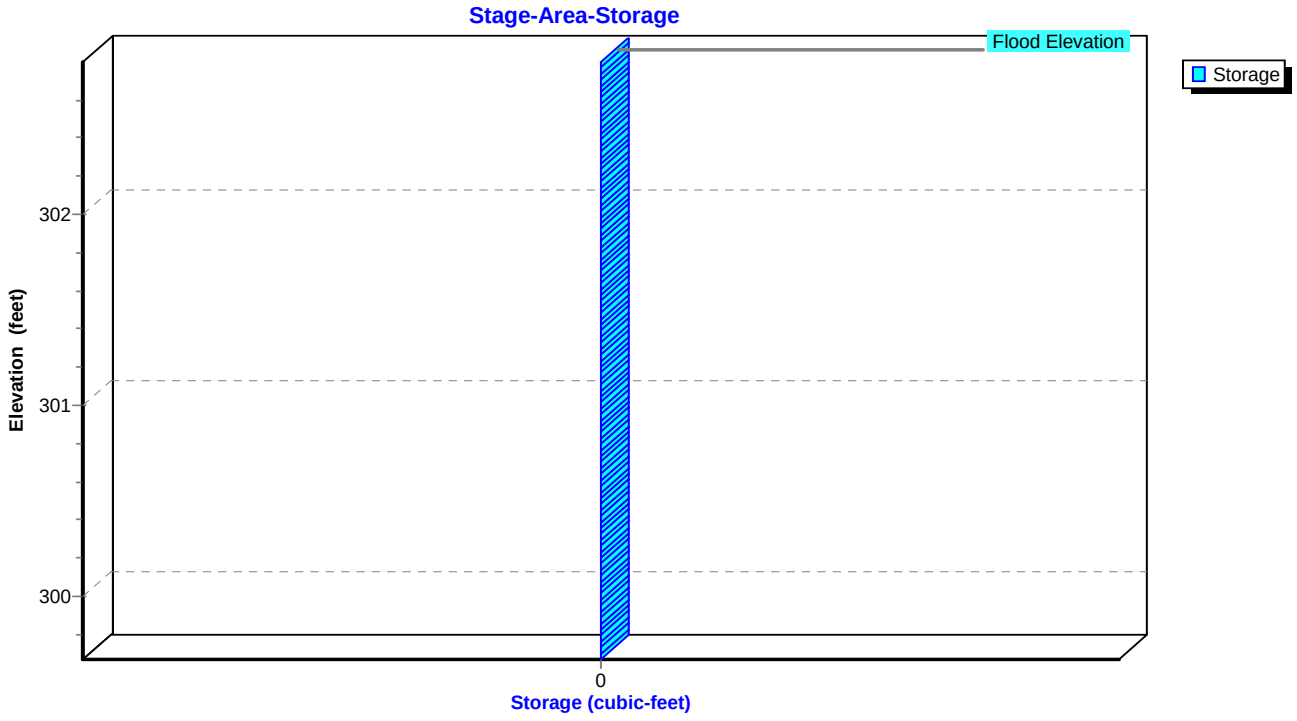
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.00	299.68	0.00
9.00	0.01	299.72	0.01
9.50	0.03	299.74	0.03
10.00	0.05	299.77	0.05
10.50	0.08	299.80	0.08
11.00	0.12	299.83	0.12
11.50	0.24	299.89	0.24
12.00	**1.71**	**300.31**	**1.71**
12.50	**1.01**	**300.15**	**1.01**
13.00	0.39	299.96	0.39
13.50	0.30	299.92	0.30
14.00	0.25	299.90	0.25
14.50	0.22	299.88	0.22
15.00	0.19	299.87	0.19
15.50	0.16	299.85	0.16
16.00	0.13	299.84	0.13
16.50	0.12	299.83	0.12
17.00	0.11	299.82	0.11
17.50	0.10	299.81	0.10
18.00	0.08	299.80	0.08
18.50	0.08	299.80	0.08
19.00	0.07	299.79	0.07
19.50	0.07	299.79	0.07
20.00	0.07	299.79	0.07
20.50	0.06	299.78	0.06
21.00	0.06	299.78	0.06
21.50	0.06	299.78	0.06
22.00	0.06	299.78	0.06
22.50	0.05	299.77	0.05
23.00	0.05	299.77	0.05
23.50	0.05	299.77	0.05
24.00	0.04	299.76	0.04

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	**9.33**
299.75	0.03	300.77	4.08	301.79	7.22		
299.77	0.05	300.79	4.18	301.81	7.27		
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
299.67	**0**
299.72	0
299.77	0
299.82	0
299.87	0
299.92	0
299.97	0
300.02	0
300.07	0
300.12	0
300.17	0
300.22	0
300.27	0
300.32	0
300.37	0
300.42	0
300.47	0
300.52	0
300.57	0
300.62	0
300.67	0
300.72	0
300.77	0
300.82	0
300.87	0
300.92	0
300.97	0
301.02	0
301.07	0
301.12	0
301.17	0
301.22	0
301.27	0
301.32	0
301.37	0
301.42	0
301.47	0
301.52	0
301.57	0
301.62	0
301.67	0
301.72	0
301.77	0
301.82	0
301.87	0
301.92	0
301.97	0
302.02	0
302.07	0
302.12	0
302.17	0
302.22	0
302.27	0
302.32	0
302.37	0
302.42	0
302.47	0
302.52	0
302.57	0
302.62	0
302.67	0
302.72	0
302.77	0

Summary for Pond CB13: Catchbasin

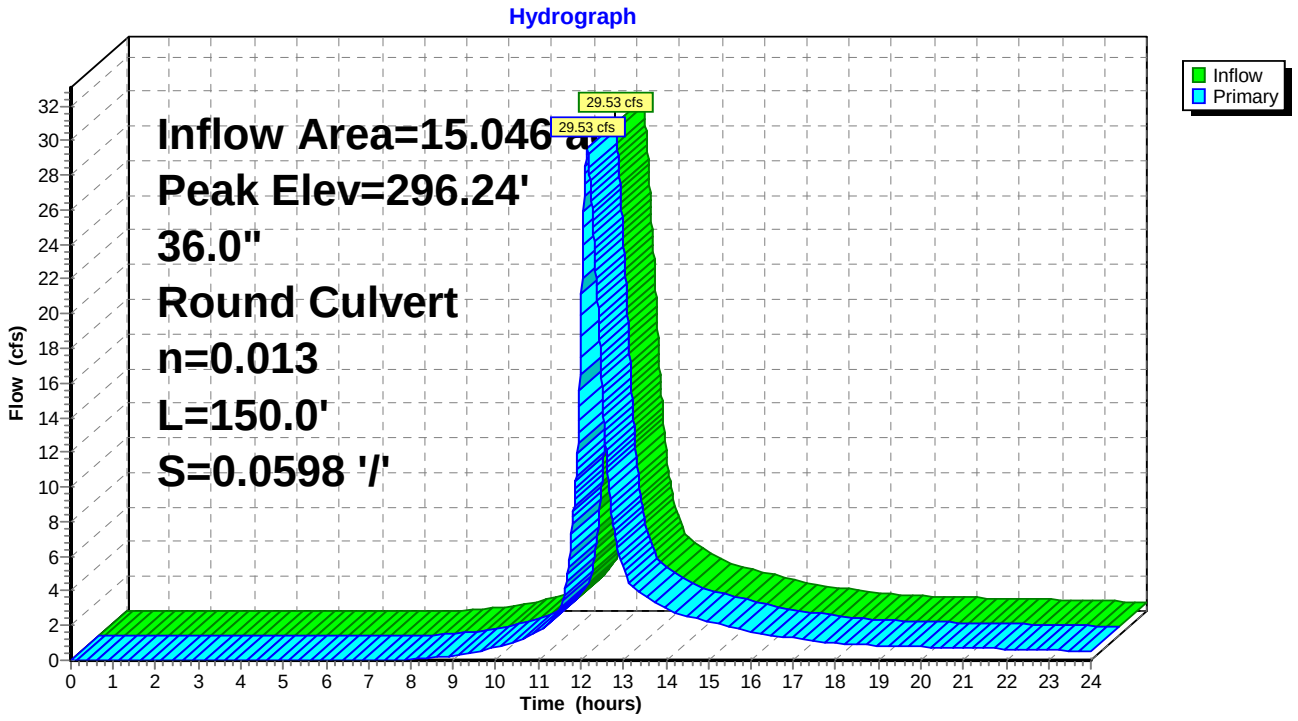
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 2.51" for 5-Year event
Inflow = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af
Outflow = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af, Atten= 0%, Lag= 0.0 min
Primary = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.24' @ 12.15 hrs
Flood Elev= 298.50'

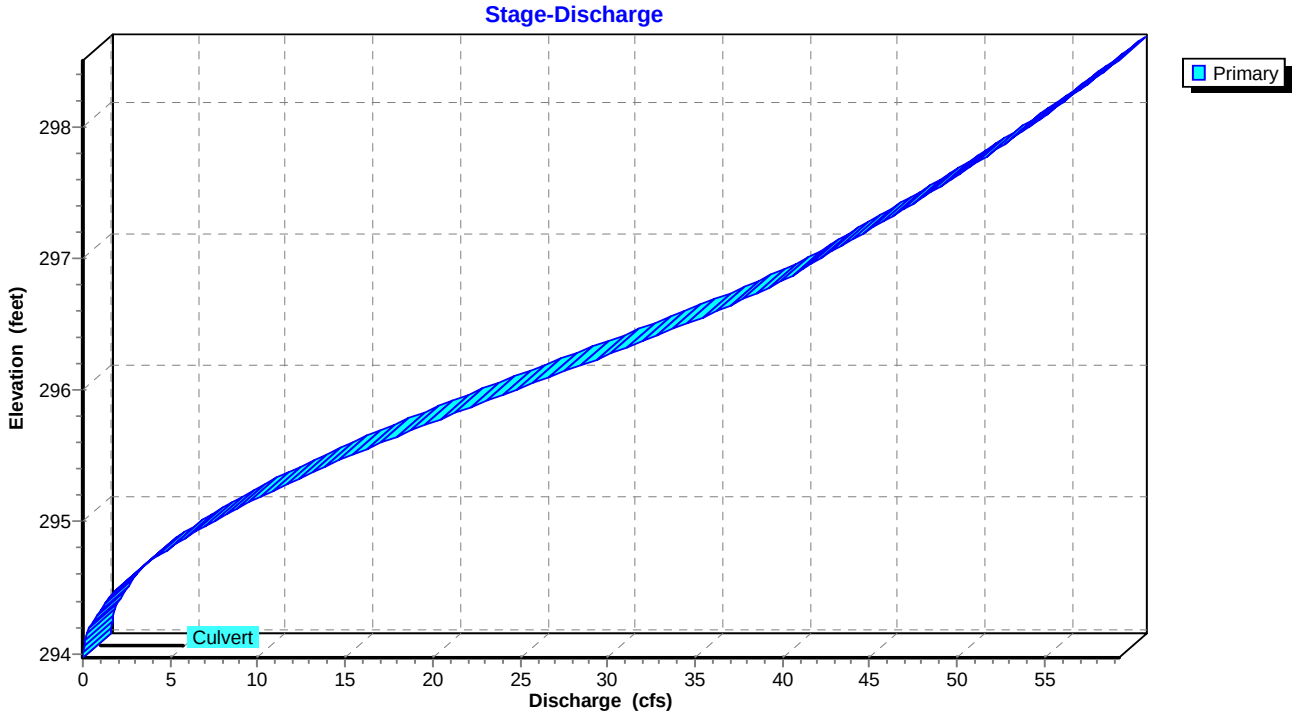
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.52 cfs @ 12.15 hrs HW=296.24' TW=287.27' (Dynamic Tailwater)
1=Culvert (Inlet Controls 29.52 cfs @ 5.13 fps)

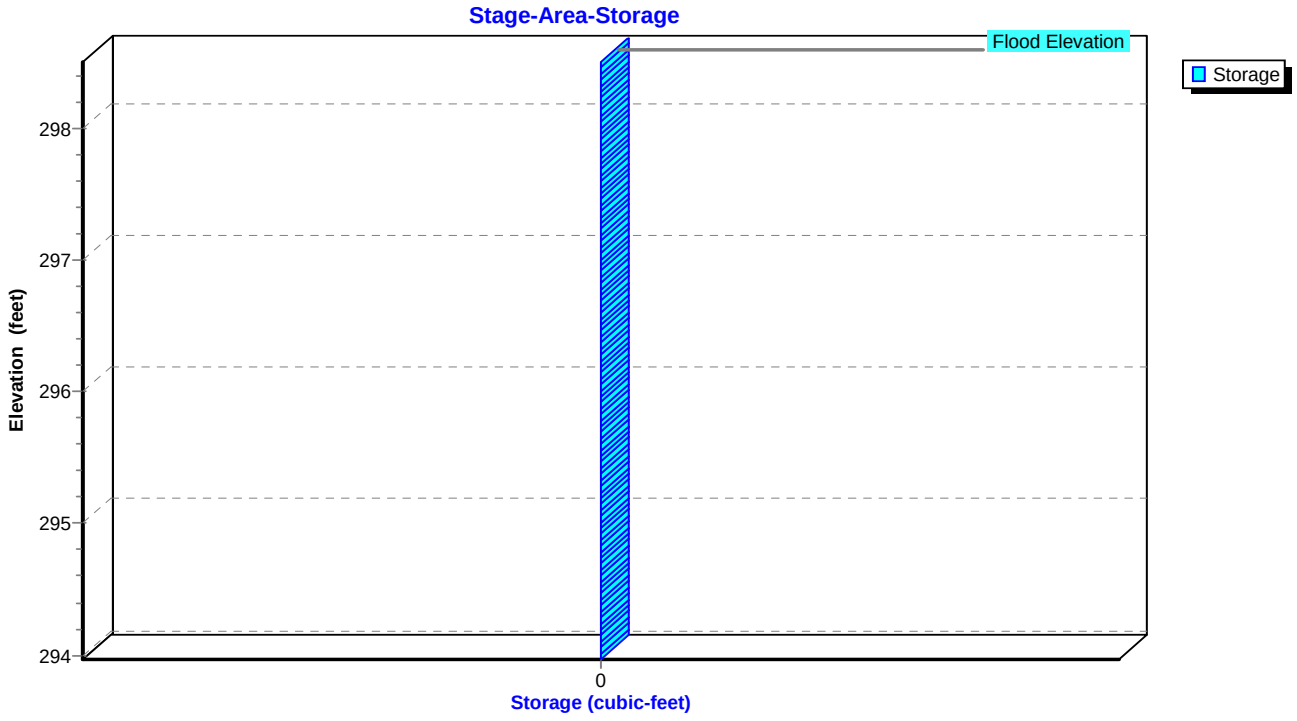
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.00	293.98	0.00
7.50	0.01	294.00	0.01
8.00	0.04	294.04	0.04
8.50	0.12	294.09	0.12
9.00	0.27	294.16	0.27
9.50	0.47	294.22	0.47
10.00	0.72	294.28	0.72
10.50	1.11	294.35	1.11
11.00	1.64	294.44	1.64
11.50	2.93	294.60	2.93
12.00	**18.70**	**295.69**	**18.70**
12.50	**15.78**	**295.53**	**15.78**
13.00	5.33	294.83	5.33
13.50	3.66	294.68	3.66
14.00	2.99	294.61	2.99
14.50	2.55	294.56	2.55
15.00	2.25	294.52	2.25
15.50	1.93	294.48	1.93
16.00	1.61	294.43	1.61
16.50	1.40	294.40	1.40
17.00	1.26	294.38	1.26
17.50	1.12	294.36	1.12
18.00	0.98	294.33	0.98
18.50	0.90	294.31	0.90
19.00	0.86	294.31	0.86
19.50	0.81	294.30	0.81
20.00	0.77	294.29	0.77
20.50	0.74	294.28	0.74
21.00	0.71	294.27	0.71
21.50	0.67	294.27	0.67
22.00	0.64	294.26	0.64
22.50	0.61	294.25	0.61
23.00	0.58	294.24	0.58
23.50	0.54	294.24	0.54
24.00	0.51	294.23	0.51

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	**58.95**
295.97	24.10		
296.02	25.09		
296.07	26.08		
296.12	27.07		
296.17	28.05		
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

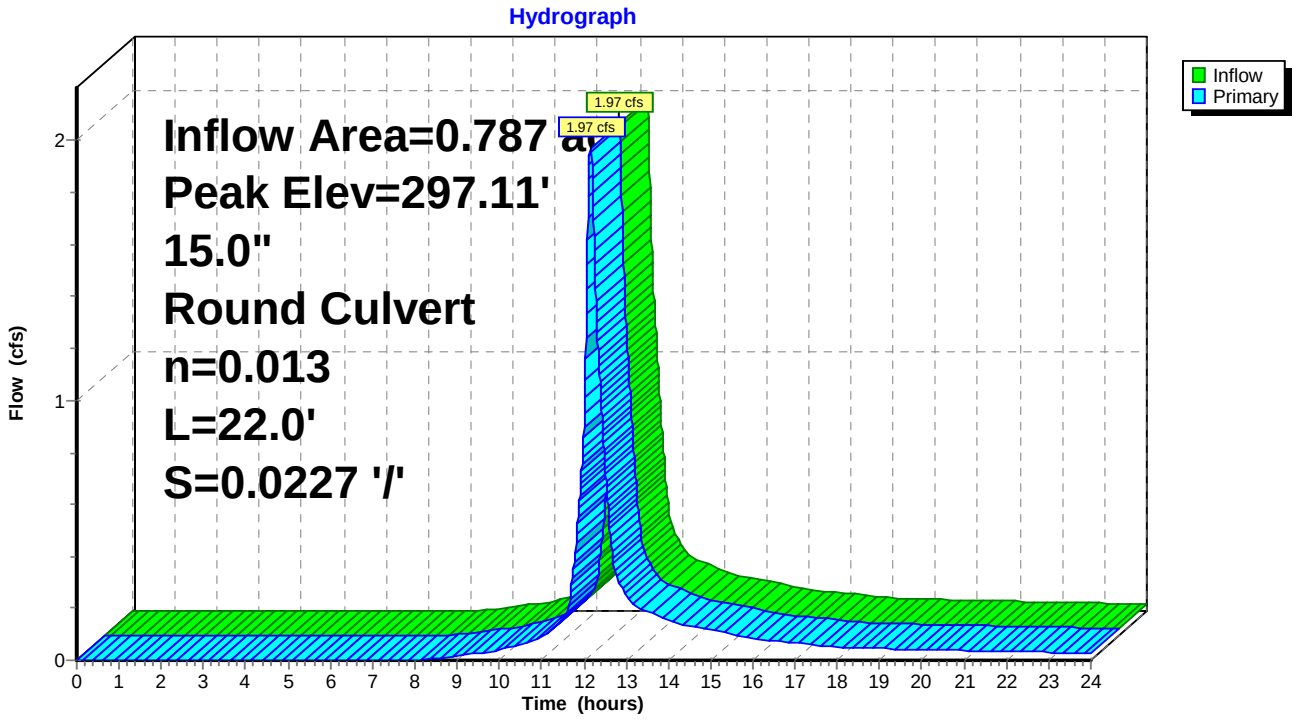
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 1.97 cfs @ 12.16 hrs, Volume= 0.167 af
Outflow = 1.97 cfs @ 12.16 hrs, Volume= 0.167 af, Atten= 0%, Lag= 0.0 min
Primary = 1.97 cfs @ 12.16 hrs, Volume= 0.167 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.11' @ 12.16 hrs
Flood Elev= 299.00'

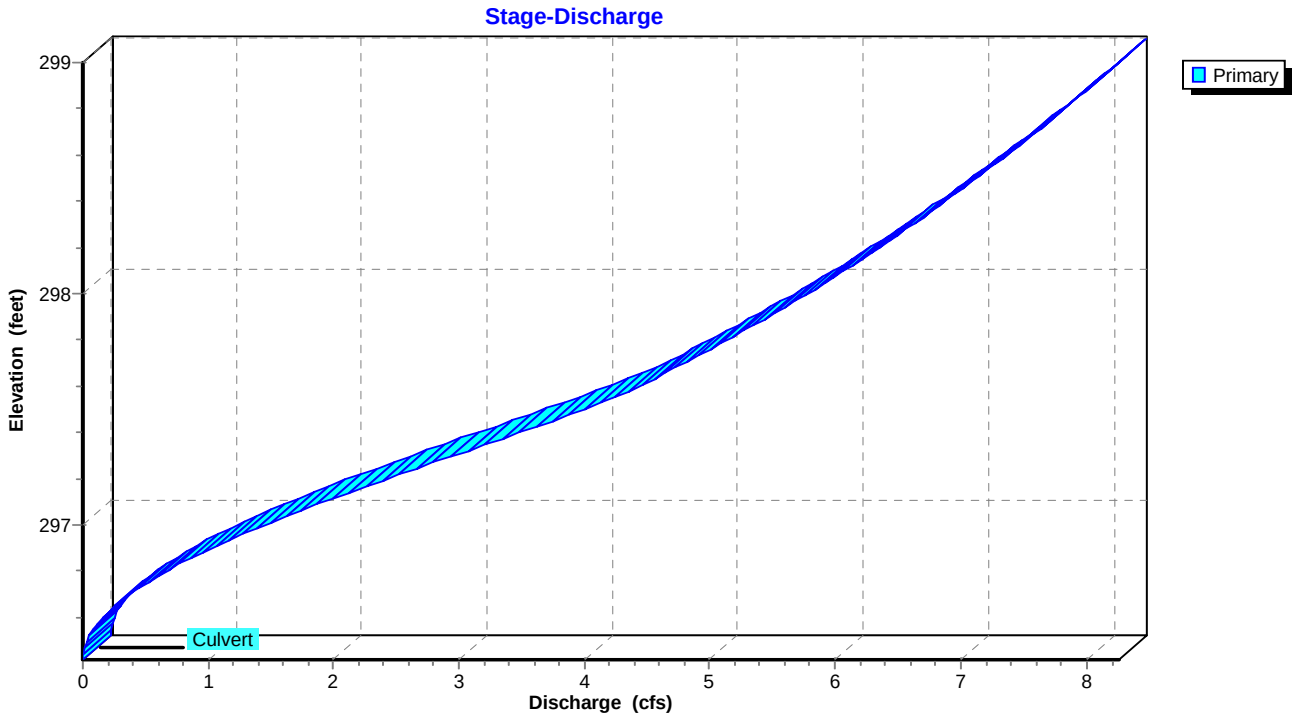
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.97 cfs @ 12.16 hrs HW=297.11' TW=296.24' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.97 cfs @ 2.83 fps)

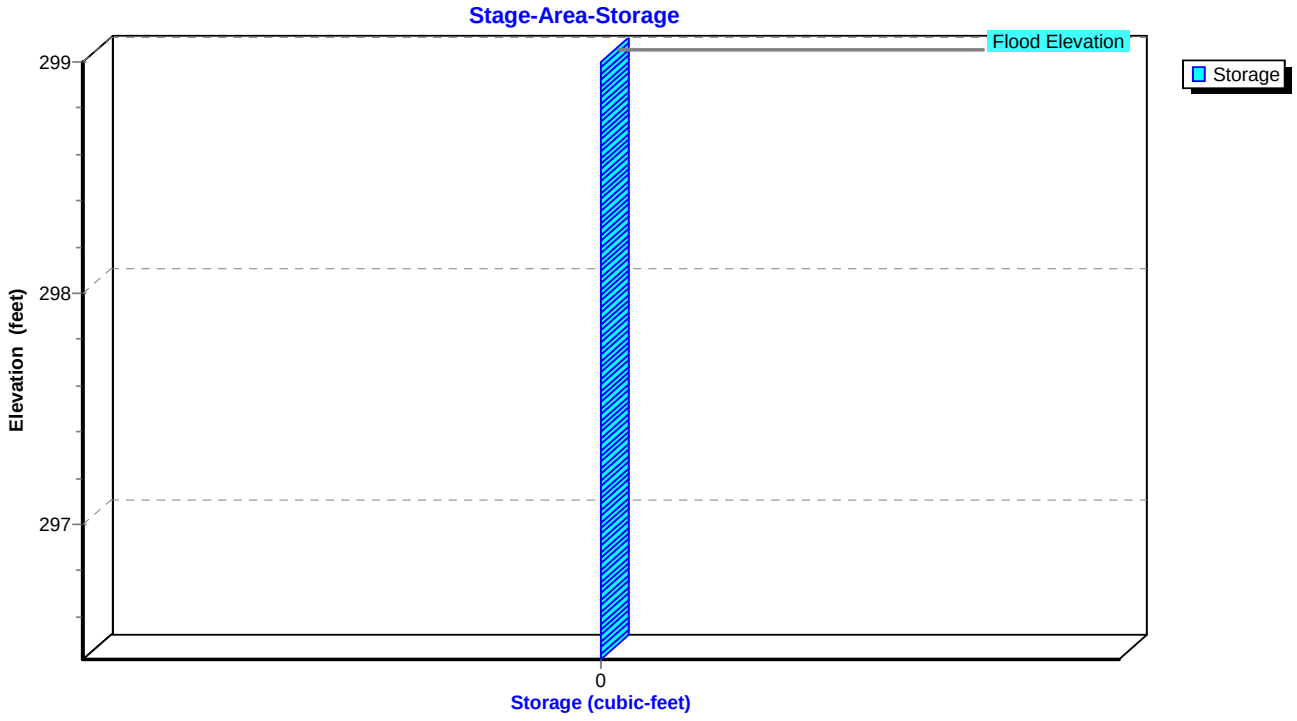
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.42	0.00
8.00	0.00	296.44	0.00
8.50	0.01	296.46	0.01
9.00	0.02	296.48	0.02
9.50	0.03	296.49	0.03
10.00	0.04	296.51	0.04
10.50	0.06	296.53	0.06
11.00	0.09	296.56	0.09
11.50	0.16	296.60	0.16
12.00	**0.90**	**296.87**	**0.90**
12.50	**0.76**	**296.83**	**0.76**
13.00	0.25	296.65	0.25
13.50	0.19	296.62	0.19
14.00	0.16	296.60	0.16
14.50	0.13	296.59	0.13
15.00	0.12	296.57	0.12
15.50	0.10	296.56	0.10
16.00	0.08	296.55	0.08
16.50	0.07	296.54	0.07
17.00	0.07	296.54	0.07
17.50	0.06	296.53	0.06
18.00	0.05	296.52	0.05
18.50	0.05	296.52	0.05
19.00	0.04	296.52	0.04
19.50	0.04	296.51	0.04
20.00	0.04	296.51	0.04
20.50	0.04	296.51	0.04
21.00	0.04	296.51	0.04
21.50	0.04	296.50	0.04
22.00	0.03	296.50	0.03
22.50	0.03	296.50	0.03
23.00	0.03	296.50	0.03
23.50	0.03	296.50	0.03
24.00	0.03	296.49	0.03

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

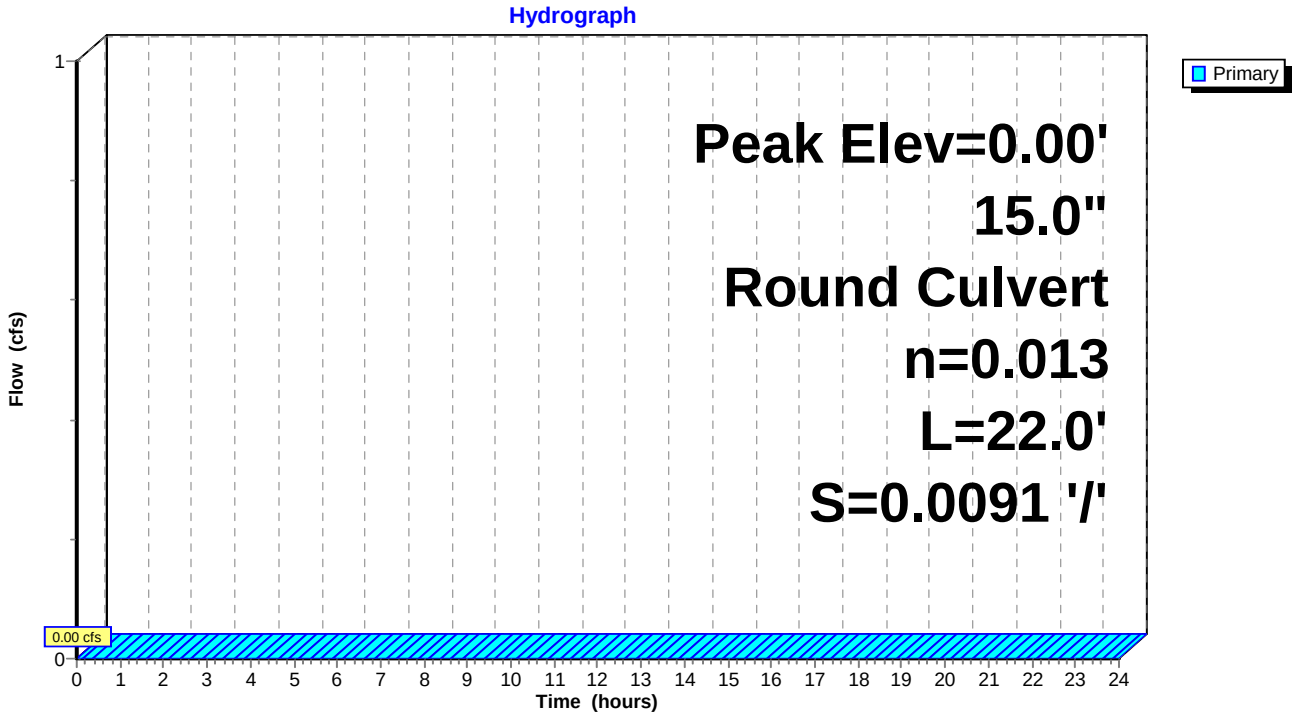
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

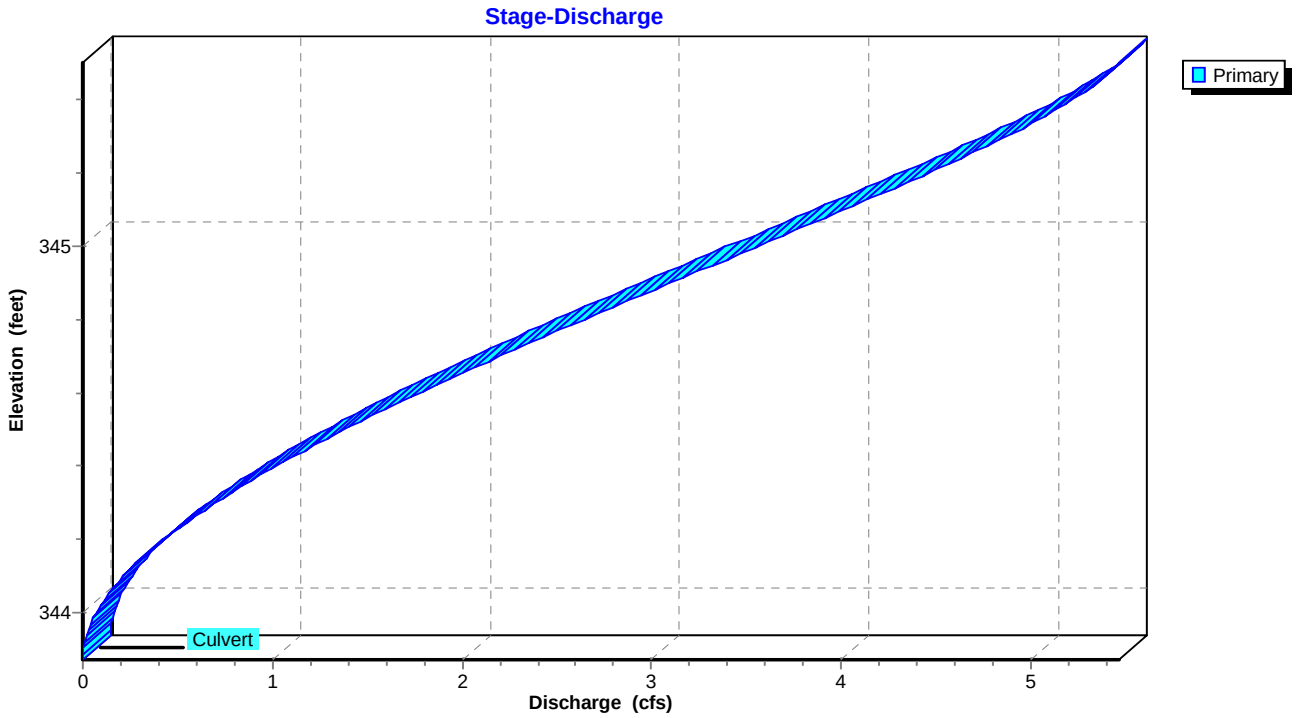
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

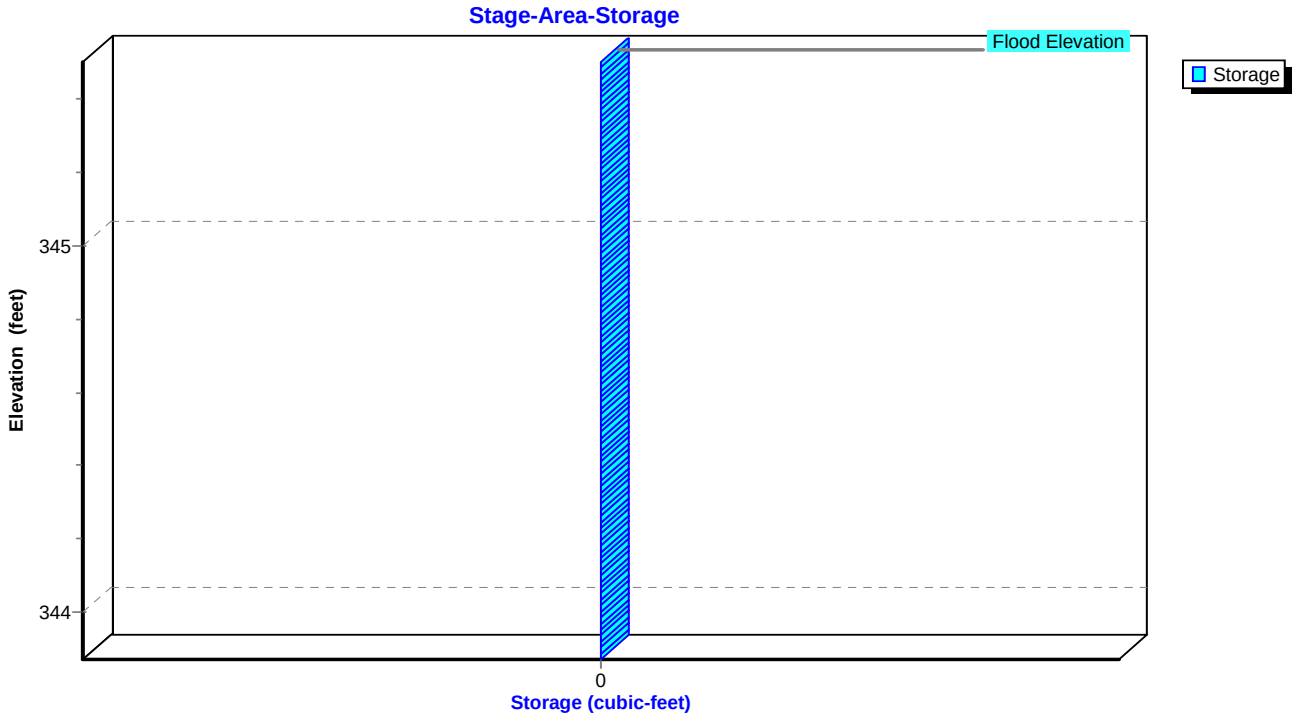
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

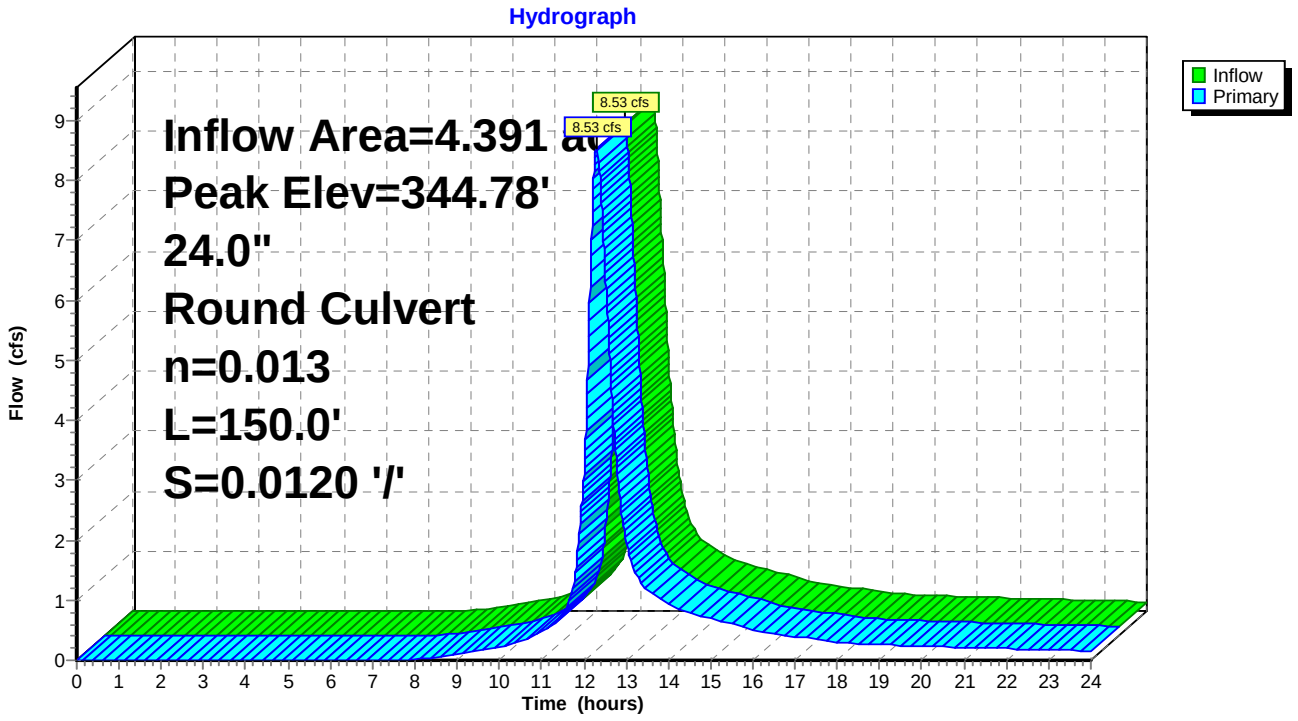
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af
Outflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af, Atten= 0%, Lag= 0.0 min
Primary = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.78' @ 12.30 hrs
Flood Elev= 347.00'

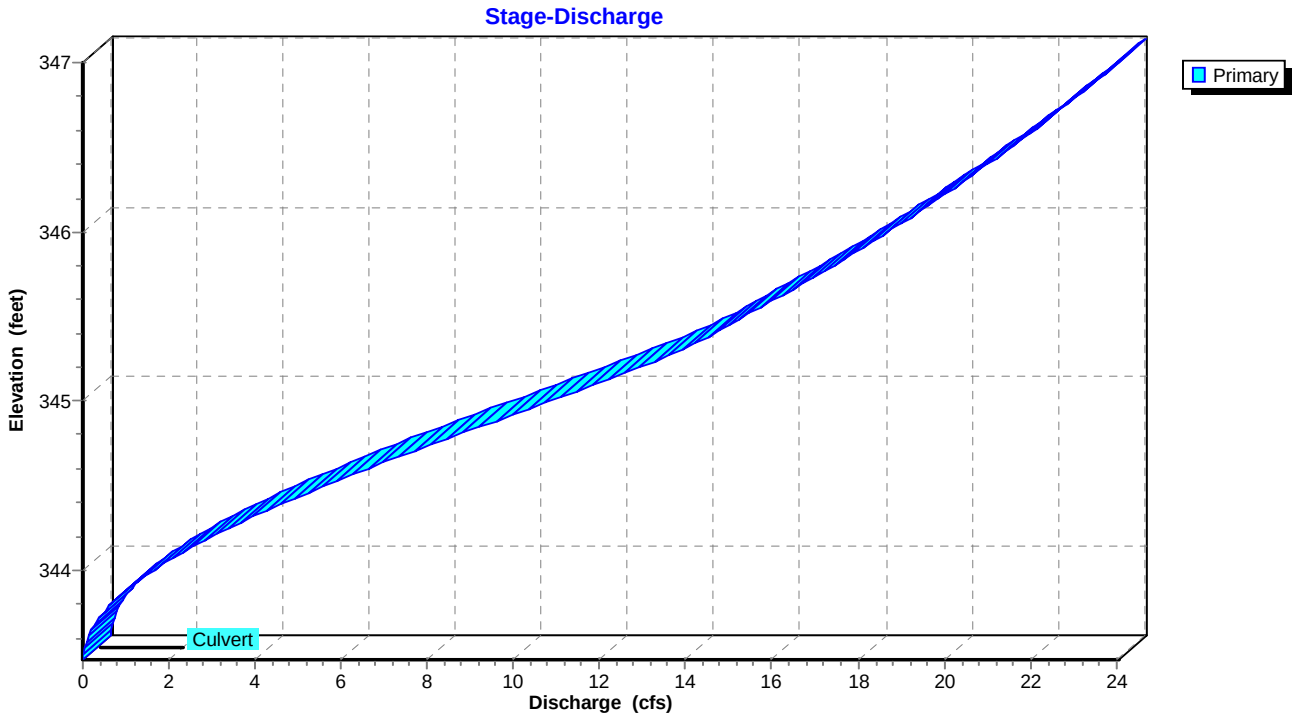
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.52 cfs @ 12.30 hrs HW=344.78' TW=342.97' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.52 cfs @ 3.90 fps)

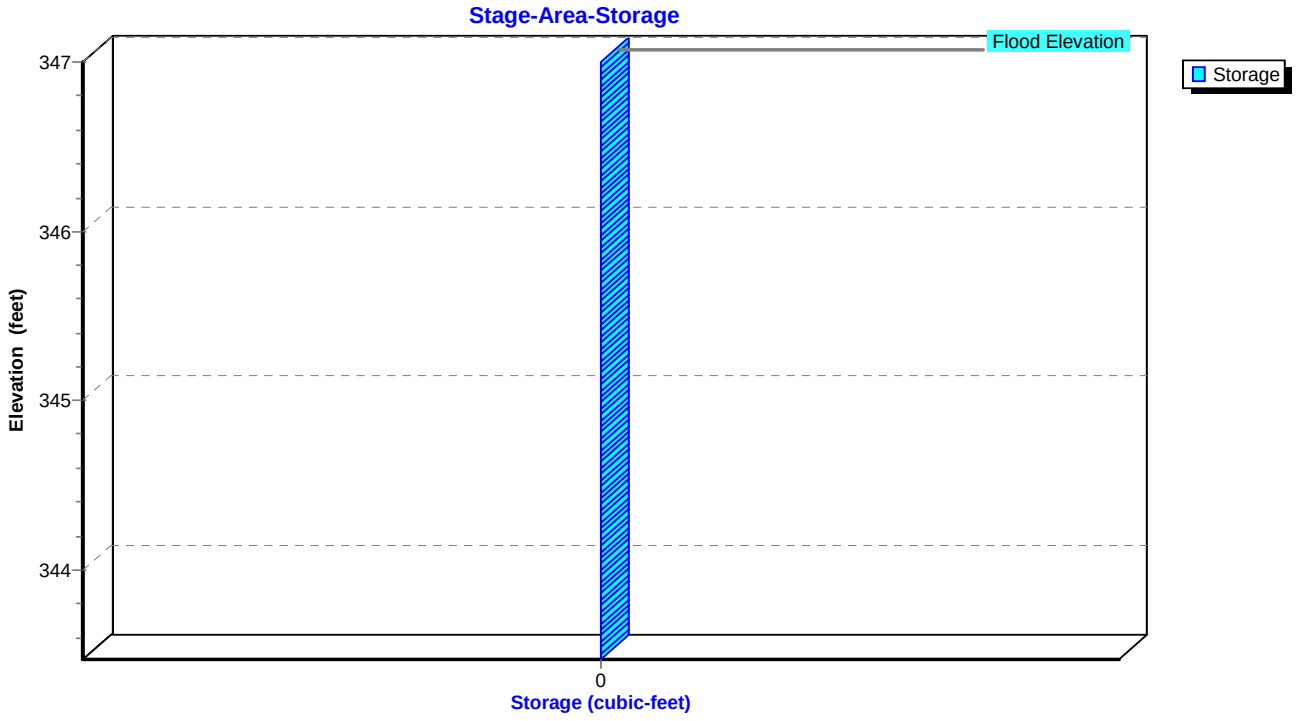
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.49	0.00
8.00	0.02	343.52	0.02
8.50	0.04	343.55	0.04
9.00	0.09	343.59	0.09
9.50	0.15	343.62	0.15
10.00	0.22	343.66	0.22
10.50	0.33	343.70	0.33
11.00	0.48	343.75	0.48
11.50	0.78	343.83	0.78
12.00	**3.10**	**344.21**	**3.10**
12.50	**6.58**	**344.60**	**6.58**
13.00	2.00	344.06	2.00
13.50	1.17	343.91	1.17
14.00	0.95	343.87	0.95
14.50	0.79	343.83	0.79
15.00	0.70	343.81	0.70
15.50	0.60	343.78	0.60
16.00	0.51	343.76	0.51
16.50	0.43	343.73	0.43
17.00	0.39	343.72	0.39
17.50	0.35	343.71	0.35
18.00	0.30	343.69	0.30
18.50	0.27	343.68	0.27
19.00	0.26	343.67	0.26
19.50	0.25	343.67	0.25
20.00	0.23	343.66	0.23
20.50	0.22	343.66	0.22
21.00	0.21	343.65	0.21
21.50	0.20	343.65	0.20
22.00	0.19	343.65	0.19
22.50	0.18	343.64	0.18
23.00	0.17	343.64	0.17
23.50	0.16	343.63	0.16
24.00	0.16	343.63	0.16

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

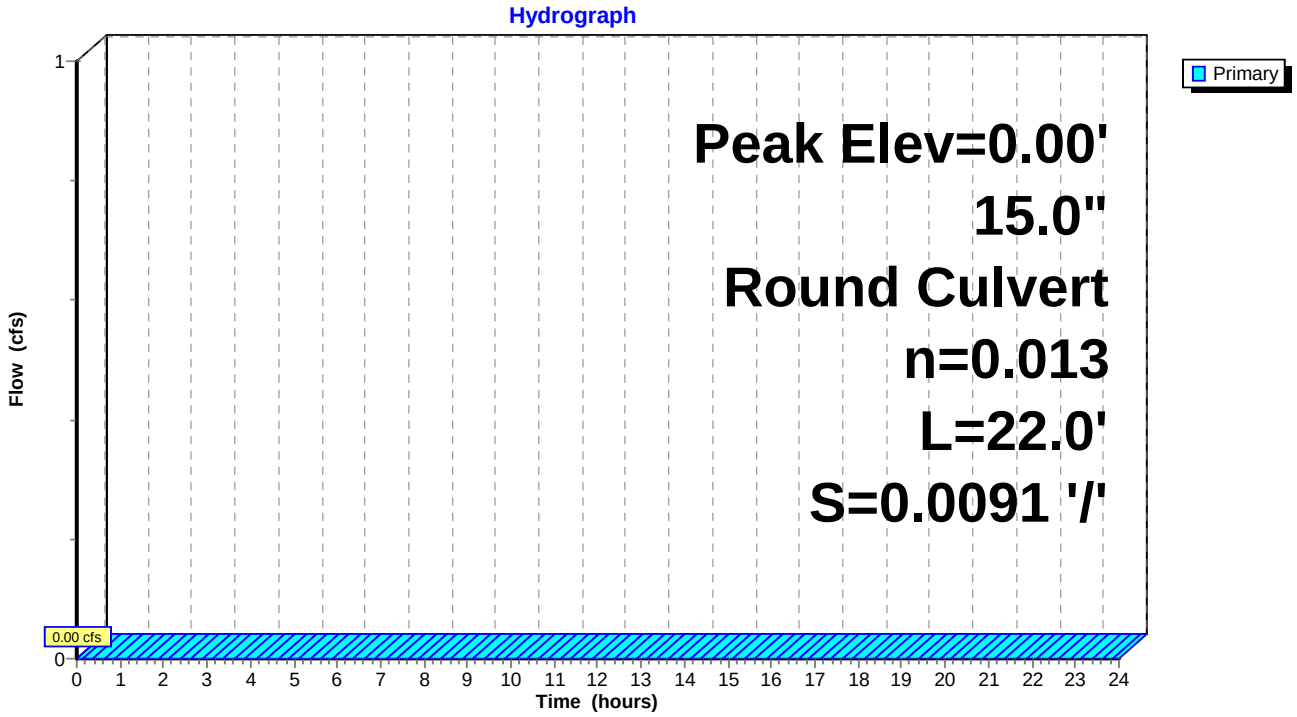
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

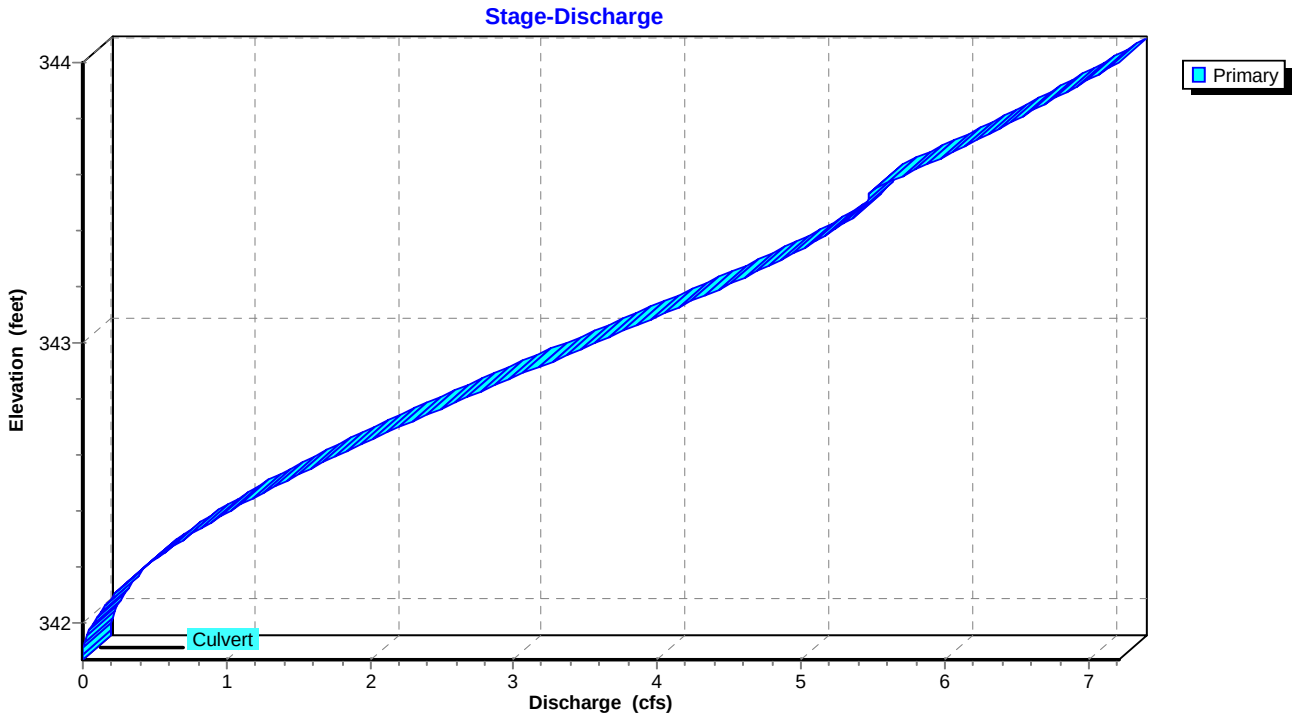
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

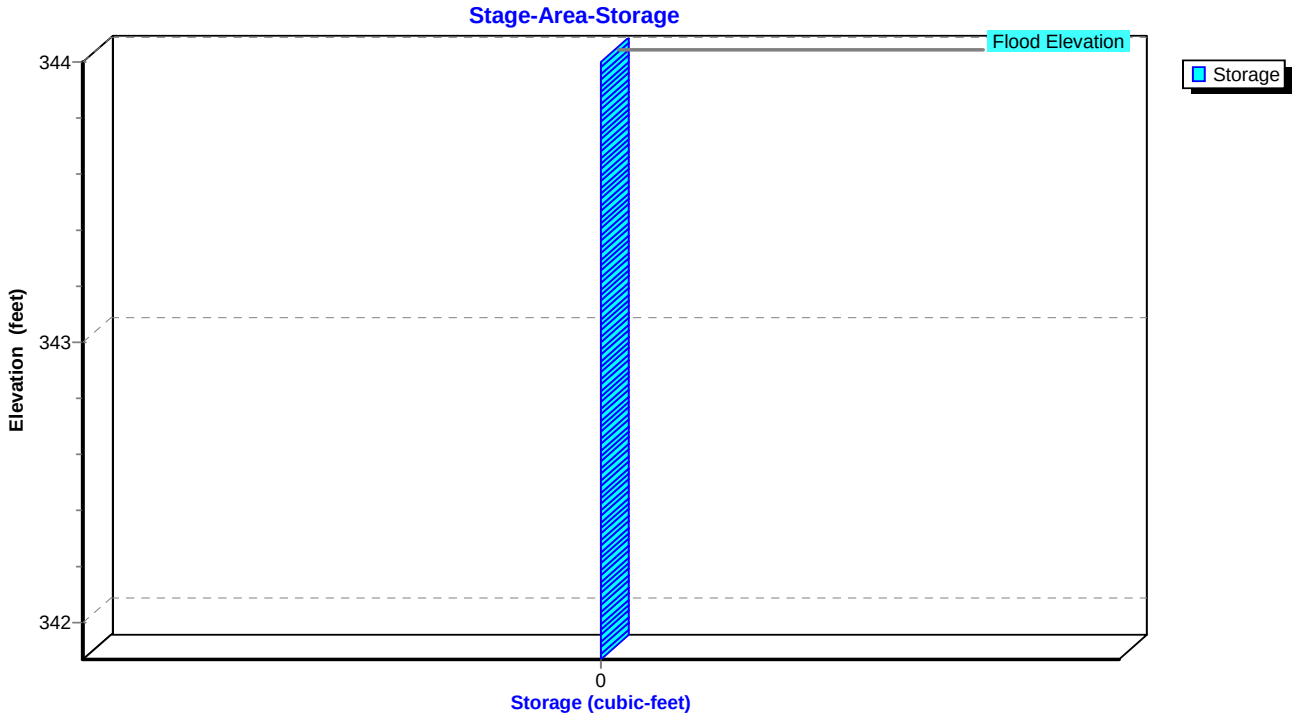
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

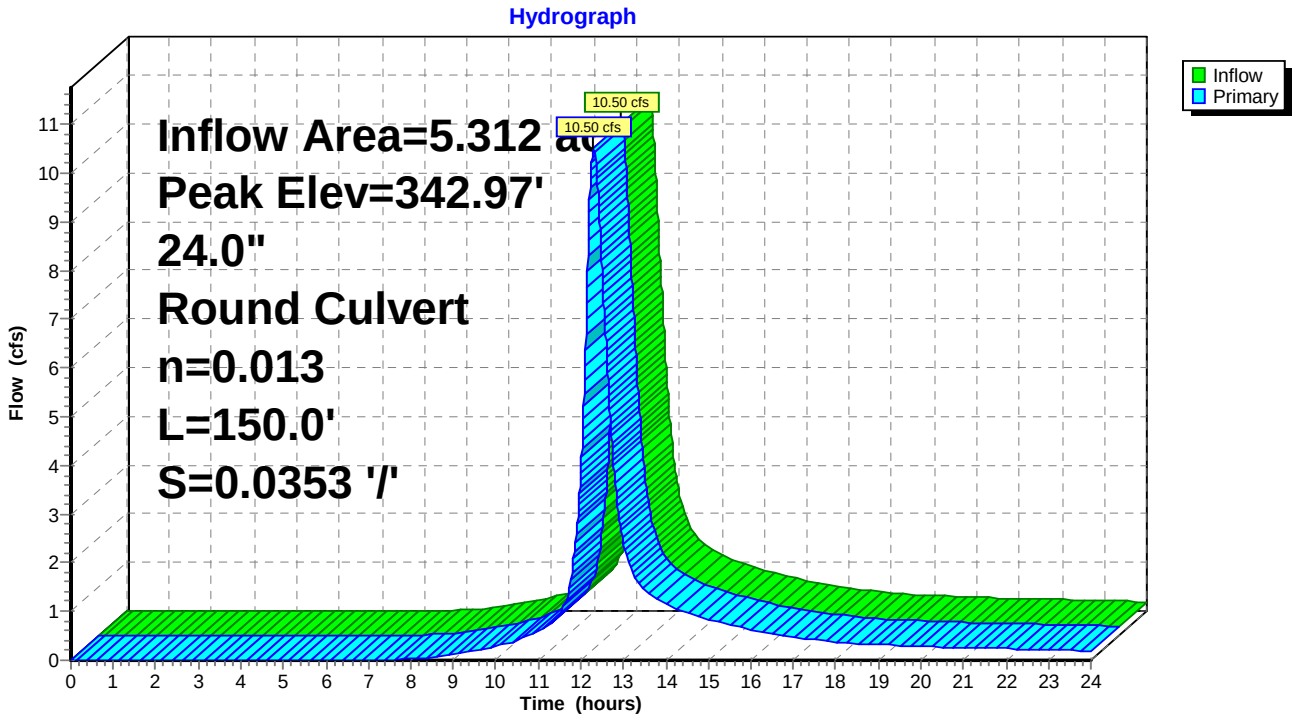
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 2.65" for 5-Year event
Inflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af
Outflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af, Atten= 0%, Lag= 0.0 min
Primary = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.97' @ 12.30 hrs
Flood Elev= 345.00'

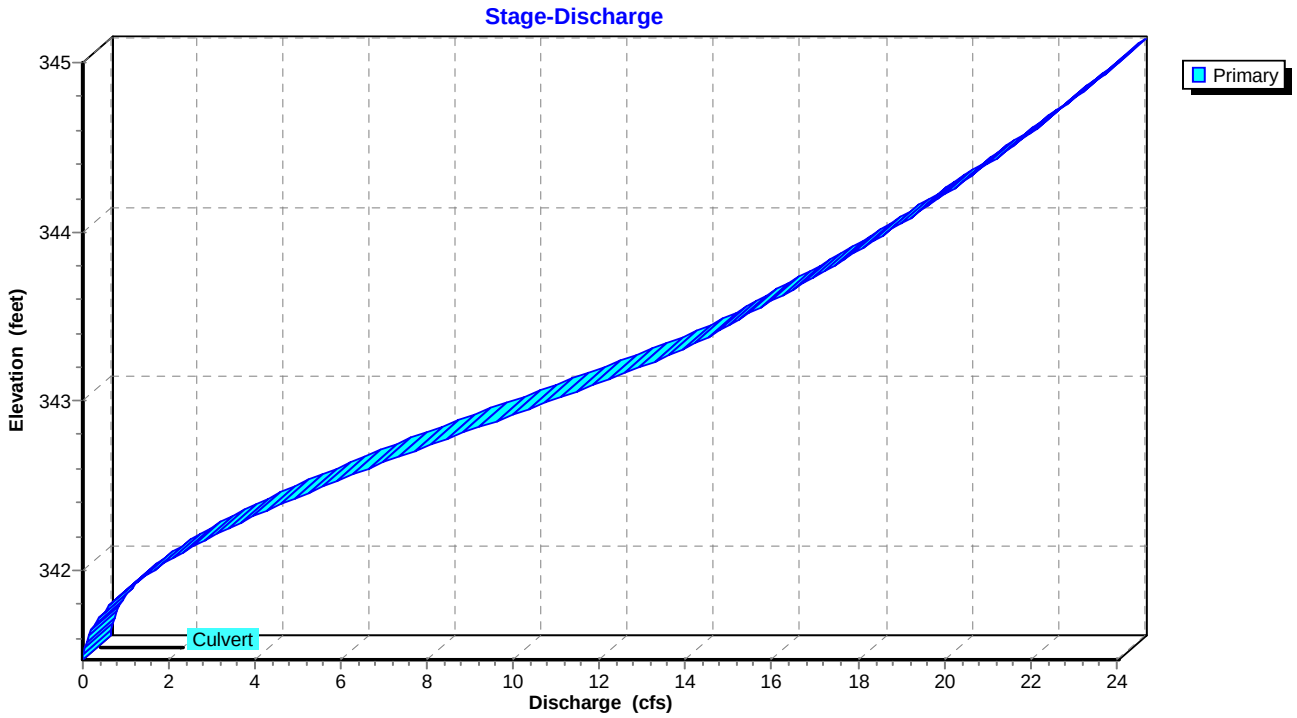
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.50 cfs @ 12.30 hrs HW=342.97' TW=336.81' (Dynamic Tailwater)
1=Culvert (Inlet Controls 10.50 cfs @ 4.17 fps)

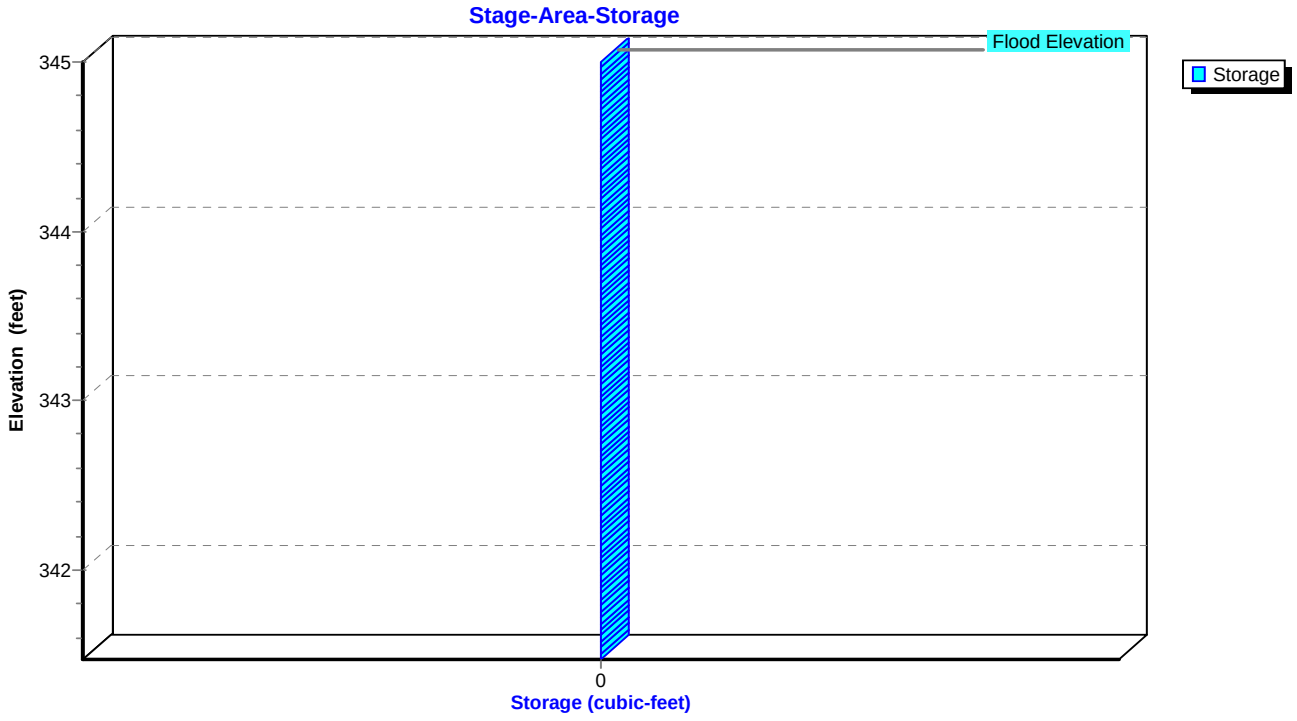
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.48	0.00
7.50	0.01	341.50	0.01
8.00	0.02	341.53	0.02
8.50	0.06	341.57	0.06
9.00	0.12	341.61	0.12
9.50	0.19	341.64	0.19
10.00	0.28	341.68	0.28
10.50	0.41	341.73	0.41
11.00	0.60	341.78	0.60
11.50	0.98	341.87	0.98
12.00	**3.84**	**342.30**	**3.84**
12.50	**8.02**	**342.74**	**8.02**
13.00	2.42	342.12	2.42
13.50	1.42	341.96	1.42
14.00	1.15	341.91	1.15
14.50	0.96	341.87	0.96
15.00	0.85	341.84	0.85
15.50	0.73	341.82	0.73
16.00	0.62	341.79	0.62
16.50	0.53	341.76	0.53
17.00	0.47	341.75	0.47
17.50	0.42	341.73	0.42
18.00	0.37	341.71	0.37
18.50	0.33	341.70	0.33
19.00	0.31	341.70	0.31
19.50	0.30	341.69	0.30
20.00	0.28	341.68	0.28
20.50	0.27	341.68	0.27
21.00	0.26	341.67	0.26
21.50	0.25	341.67	0.25
22.00	0.24	341.66	0.24
22.50	0.22	341.66	0.22
23.00	0.21	341.65	0.21
23.50	0.20	341.65	0.20
24.00	0.19	341.64	0.19

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0

Elevation (feet)	Storage (cubic-feet)
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

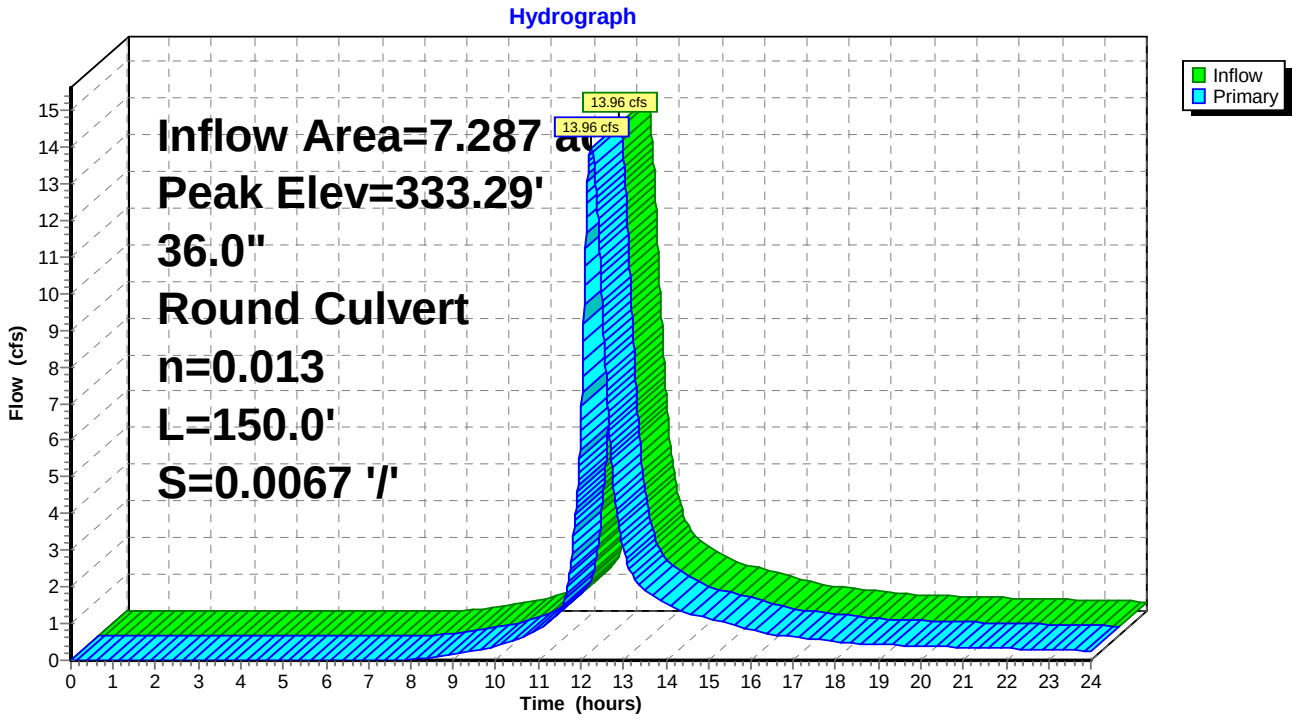
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.29' @ 12.25 hrs
Flood Elev= 337.75'

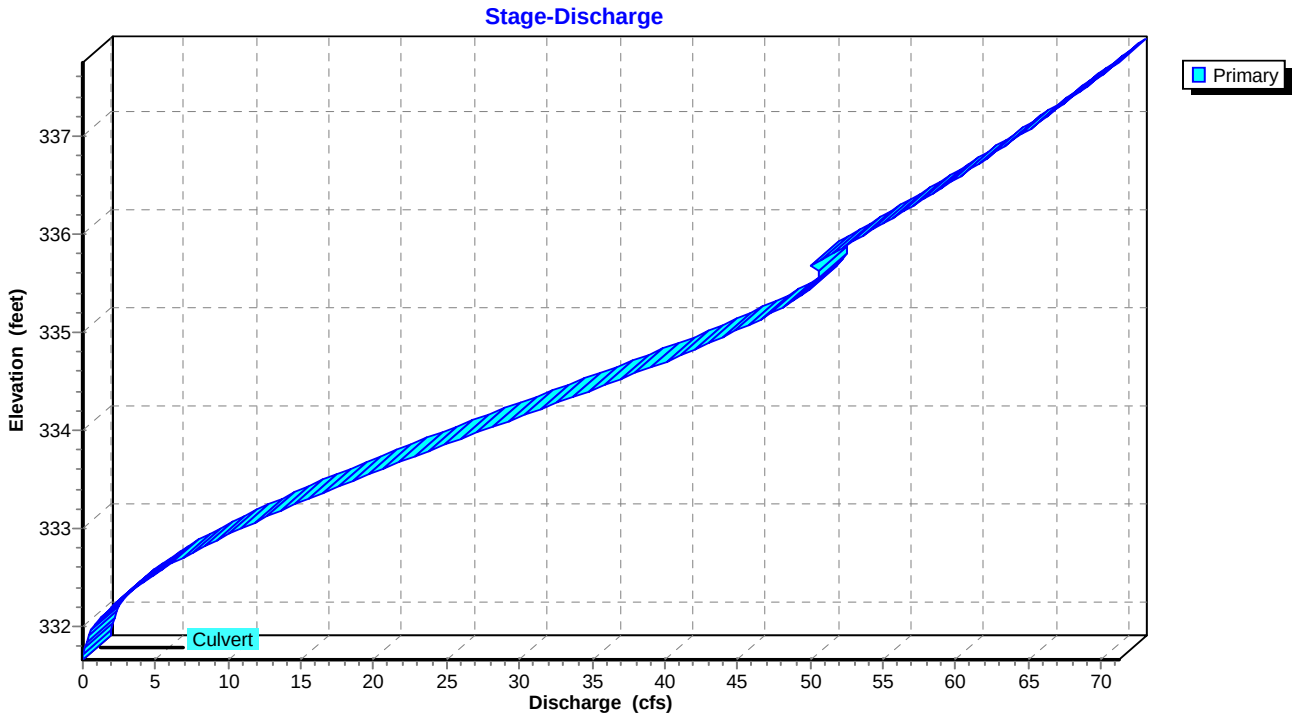
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.96 cfs @ 12.25 hrs HW=333.29' TW=332.09' (Dynamic Tailwater)
1=Culvert (Outlet Controls 13.96 cfs @ 5.22 fps)

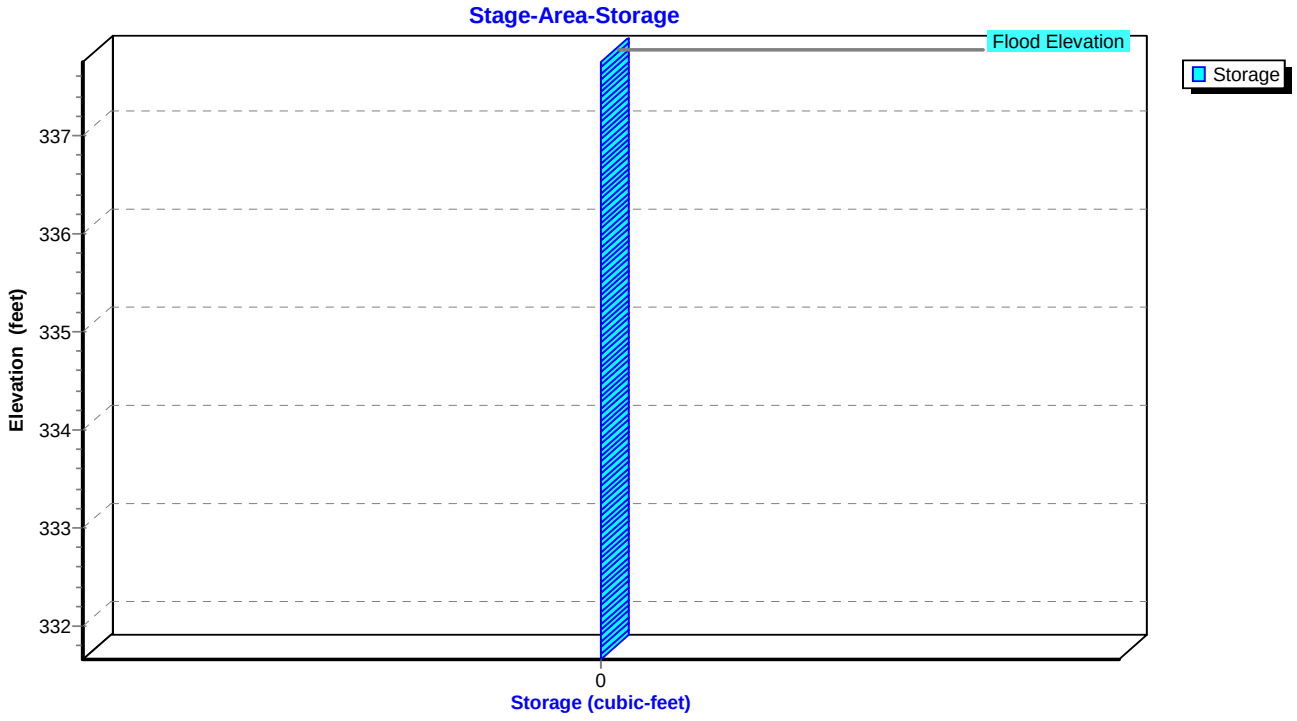
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.68	0.00
7.50	0.01	331.71	0.01
8.00	0.03	331.74	0.03
8.50	0.08	331.79	0.08
9.00	0.16	331.83	0.16
9.50	0.26	331.87	0.26
10.00	0.39	331.91	0.39
10.50	0.57	331.96	0.57
11.00	0.83	332.02	0.83
11.50	1.39	332.12	1.39
12.00	**6.26**	**332.67**	**6.26**
12.50	**9.81**	**332.97**	**9.81**
13.00	3.05	332.34	3.05
13.50	1.89	332.20	1.89
14.00	1.54	332.15	1.54
14.50	1.30	332.11	1.30
15.00	1.14	332.08	1.14
15.50	0.98	332.05	0.98
16.00	0.83	332.02	0.83
16.50	0.71	332.00	0.71
17.00	0.64	331.98	0.64
17.50	0.57	331.96	0.57
18.00	0.50	331.94	0.50
18.50	0.45	331.93	0.45
19.00	0.43	331.93	0.43
19.50	0.41	331.92	0.41
20.00	0.39	331.91	0.39
20.50	0.37	331.91	0.37
21.00	0.35	331.90	0.35
21.50	0.34	331.90	0.34
22.00	0.32	331.89	0.32
22.50	0.30	331.89	0.30
23.00	0.29	331.88	0.29
23.50	0.27	331.88	0.27
24.00	0.26	331.87	0.26

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

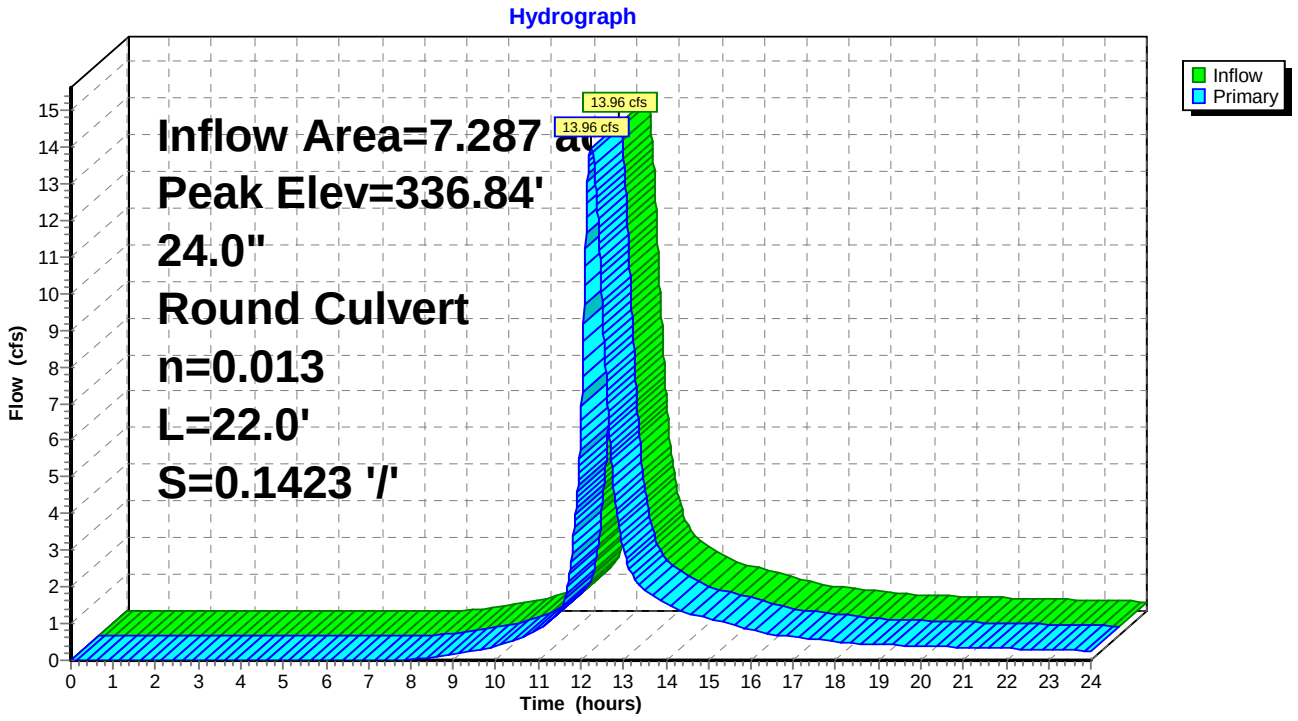
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.84' @ 12.25 hrs
Flood Elev= 339.50'

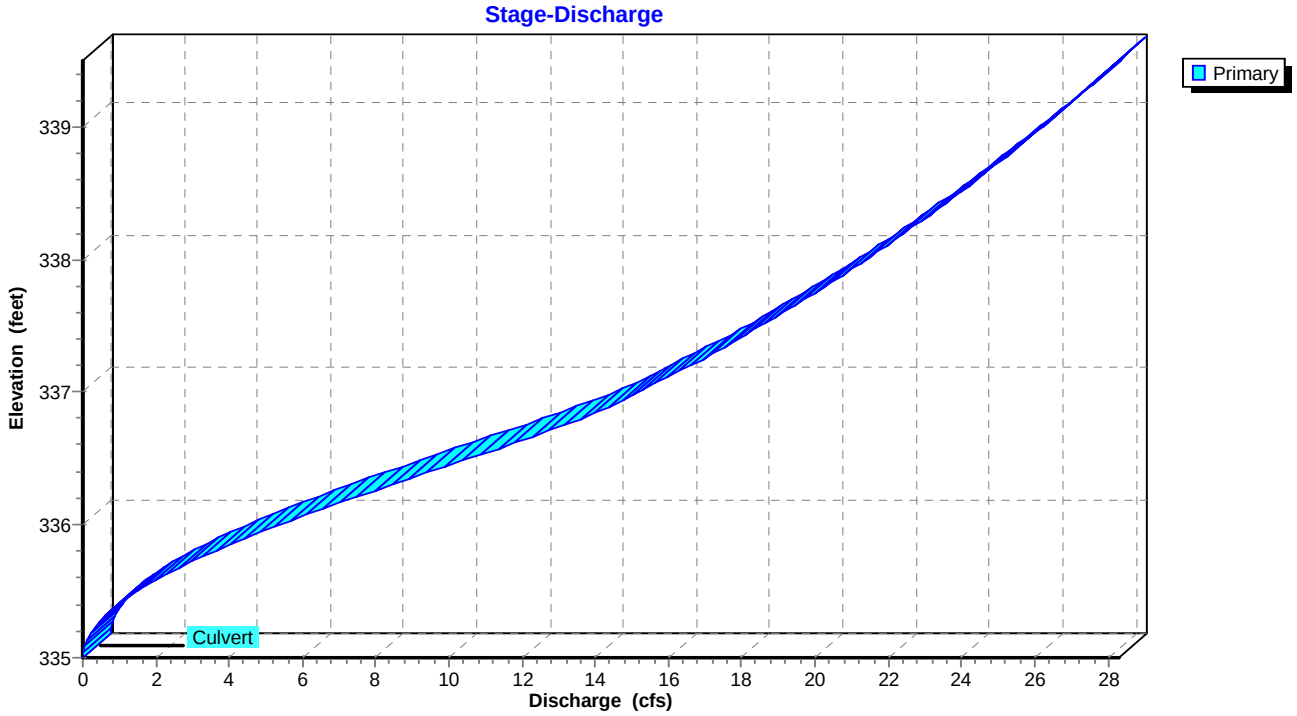
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.95 cfs @ 12.25 hrs HW=336.84' TW=333.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.95 cfs @ 4.62 fps)

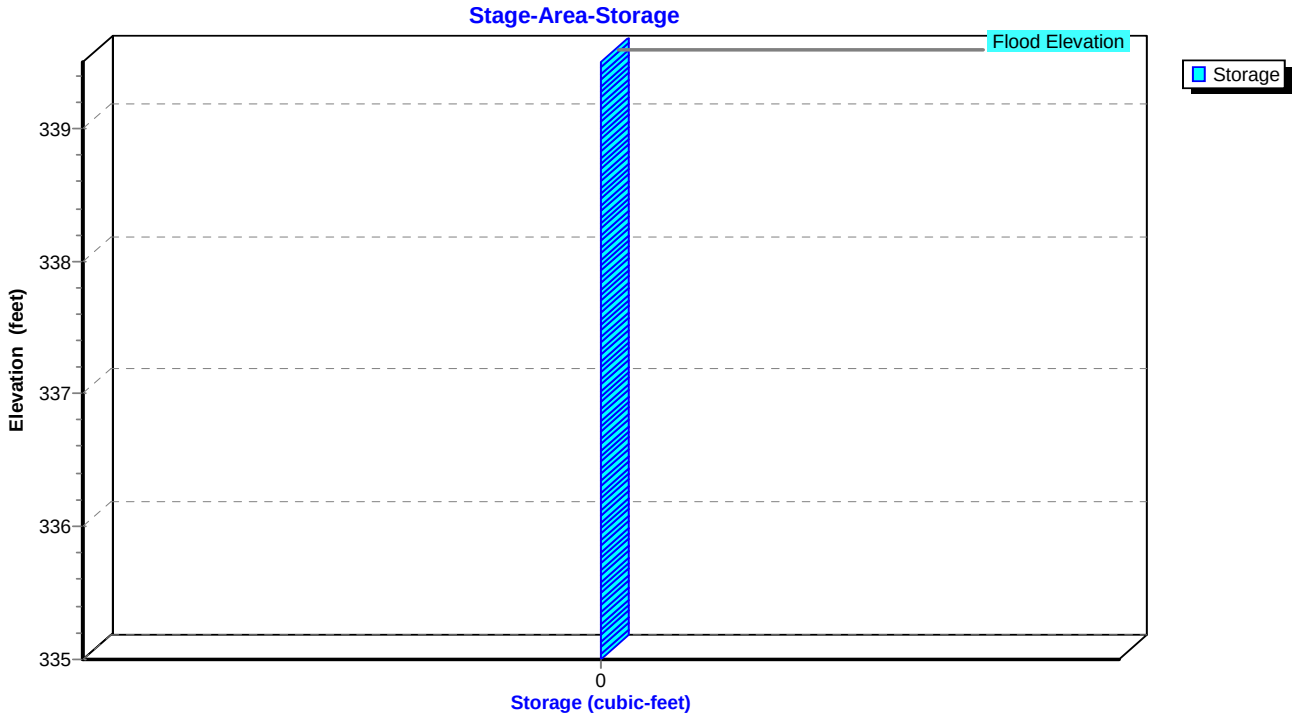
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.01	0.00
7.50	0.01	335.03	0.01
8.00	0.03	335.07	0.03
8.50	0.08	335.11	0.08
9.00	0.16	335.16	0.16
9.50	0.26	335.20	0.26
10.00	0.39	335.25	0.39
10.50	0.57	335.30	0.57
11.00	0.83	335.37	0.83
11.50	1.39	335.48	1.39
12.00	**6.26**	**336.09**	**6.26**
12.50	**9.81**	**336.43**	**9.81**
13.00	3.05	335.73	3.05
13.50	1.89	335.57	1.89
14.00	1.54	335.51	1.54
14.50	1.30	335.47	1.30
15.00	1.14	335.44	1.14
15.50	0.98	335.40	0.98
16.00	0.83	335.37	0.83
16.50	0.71	335.34	0.71
17.00	0.64	335.32	0.64
17.50	0.57	335.30	0.57
18.00	0.50	335.28	0.50
18.50	0.45	335.27	0.45
19.00	0.43	335.26	0.43
19.50	0.41	335.26	0.41
20.00	0.39	335.25	0.39
20.50	0.37	335.24	0.37
21.00	0.35	335.24	0.35
21.50	0.34	335.23	0.34
22.00	0.32	335.23	0.32
22.50	0.30	335.22	0.30
23.00	0.29	335.22	0.29
23.50	0.27	335.21	0.27
24.00	0.26	335.20	0.26

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

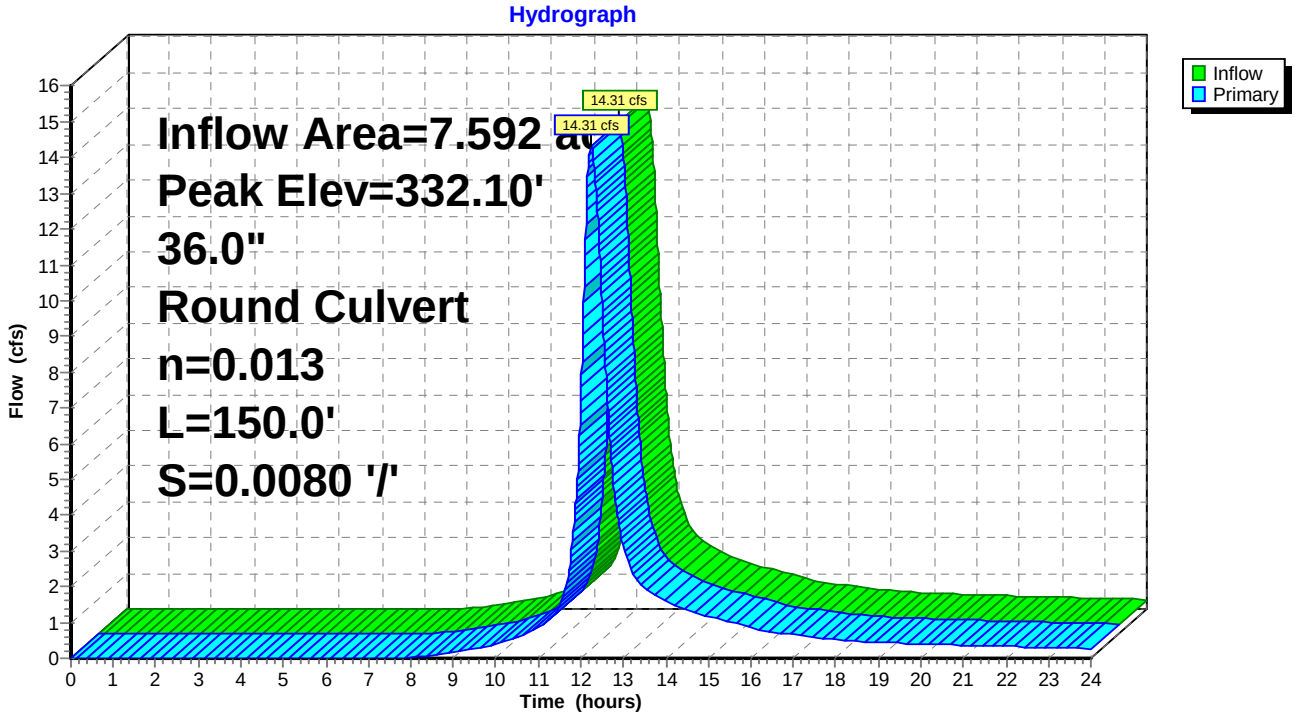
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 2.61" for 5-Year event
Inflow = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af
Outflow = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af, Atten= 0%, Lag= 0.0 min
Primary = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.10' @ 12.23 hrs
Flood Elev= 335.00'

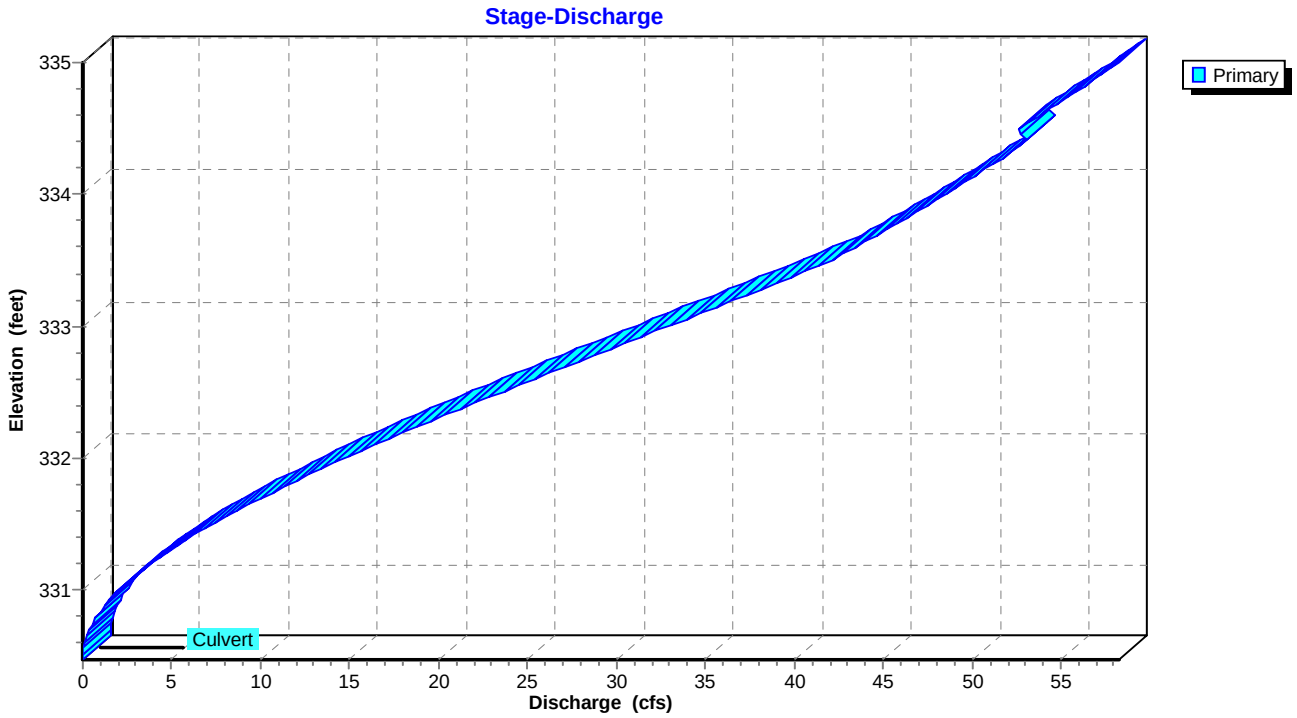
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.34 cfs @ 12.24 hrs HW=332.09' TW=330.85' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.34 cfs @ 5.32 fps)

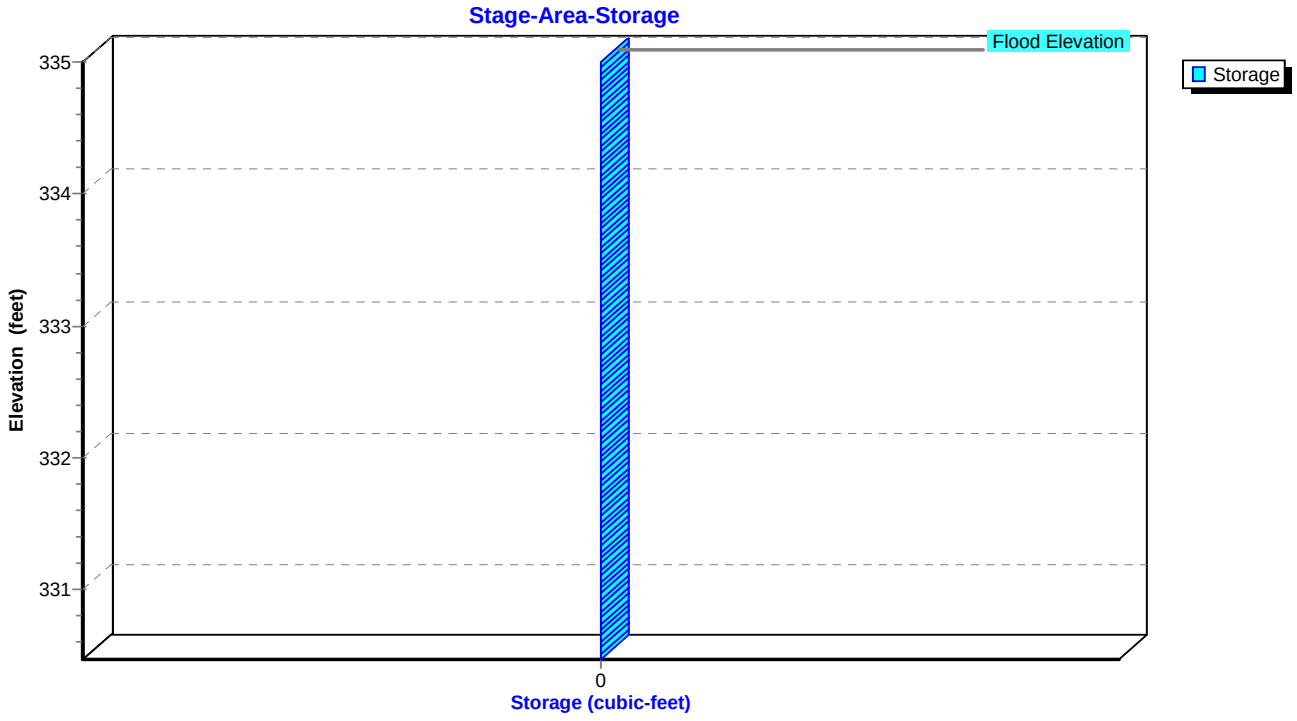
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.48	0.00
7.50	0.01	330.50	0.01
8.00	0.03	330.54	0.03
8.50	0.08	330.58	0.08
9.00	0.16	330.62	0.16
9.50	0.27	330.67	0.27
10.00	0.40	330.71	0.40
10.50	0.59	330.76	0.59
11.00	0.86	330.81	0.86
11.50	1.46	330.92	1.46
12.00	**7.20**	**331.52**	**7.20**
12.50	**9.95**	**331.75**	**9.95**
13.00	3.13	331.13	3.13
13.50	1.96	330.99	1.96
14.00	1.59	330.94	1.59
14.50	1.34	330.90	1.34
15.00	1.18	330.87	1.18
15.50	1.02	330.84	1.02
16.00	0.86	330.81	0.86
16.50	0.74	330.79	0.74
17.00	0.66	330.77	0.66
17.50	0.59	330.76	0.59
18.00	0.52	330.74	0.52
18.50	0.47	330.73	0.47
19.00	0.44	330.72	0.44
19.50	0.42	330.71	0.42
20.00	0.40	330.71	0.40
20.50	0.38	330.70	0.38
21.00	0.36	330.70	0.36
21.50	0.35	330.69	0.35
22.00	0.33	330.69	0.33
22.50	0.32	330.68	0.32
23.00	0.30	330.68	0.30
23.50	0.28	330.67	0.28
24.00	0.27	330.67	0.27

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

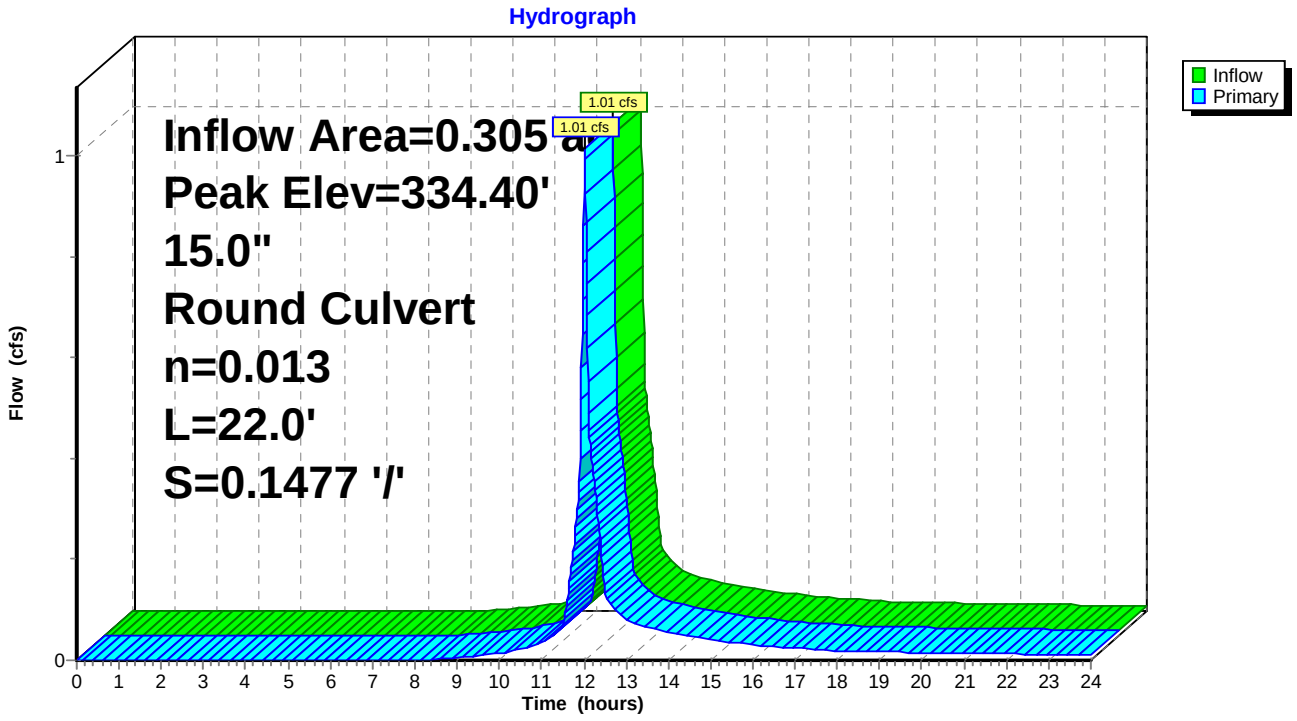
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.38" for 5-Year event
Inflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af
Outflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.40' @ 12.02 hrs
Flood Elev= 336.50'

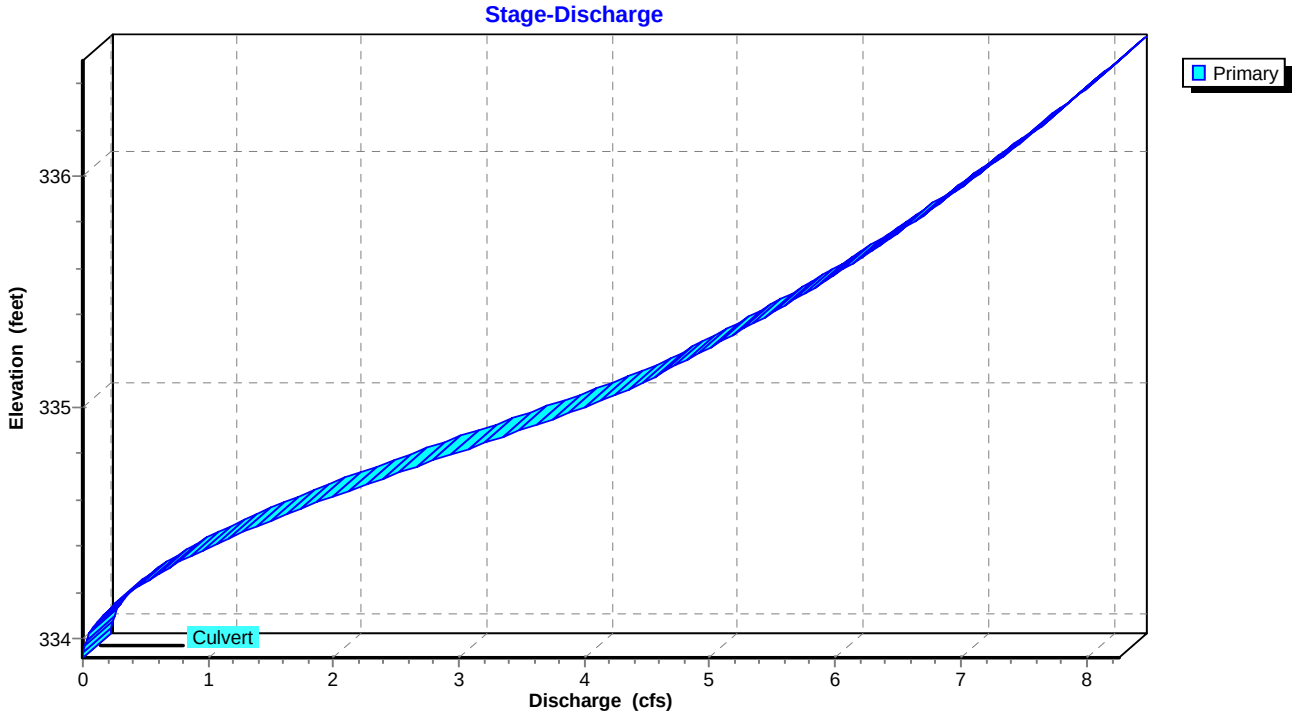
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.01 cfs @ 12.02 hrs HW=334.40' TW=331.57' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.01 cfs @ 2.35 fps)

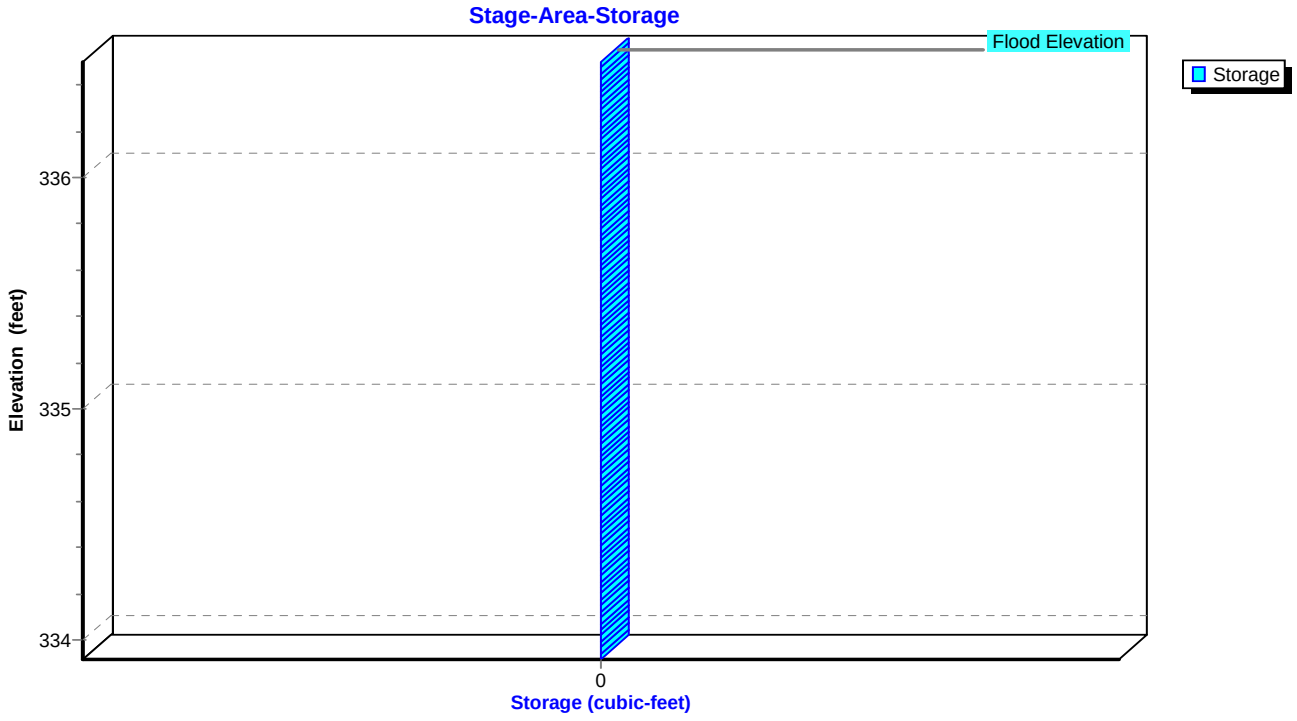
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.94	0.00
9.00	0.00	333.95	0.00
9.50	0.01	333.96	0.01
10.00	0.01	333.97	0.01
10.50	0.02	333.99	0.02
11.00	0.03	334.00	0.03
11.50	0.07	334.04	0.07
12.00	**0.93**	**334.38**	**0.93**
12.50	**0.14**	**334.09**	**0.14**
13.00	0.08	334.05	0.08
13.50	0.07	334.04	0.07
14.00	0.05	334.02	0.05
14.50	0.05	334.02	0.05
15.00	0.04	334.01	0.04
15.50	0.04	334.00	0.04
16.00	0.03	334.00	0.03
16.50	0.03	333.99	0.03
17.00	0.02	333.99	0.02
17.50	0.02	333.98	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.98	0.02
19.50	0.02	333.98	0.02
20.00	0.01	333.97	0.01
20.50	0.01	333.97	0.01
21.00	0.01	333.97	0.01
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.97	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

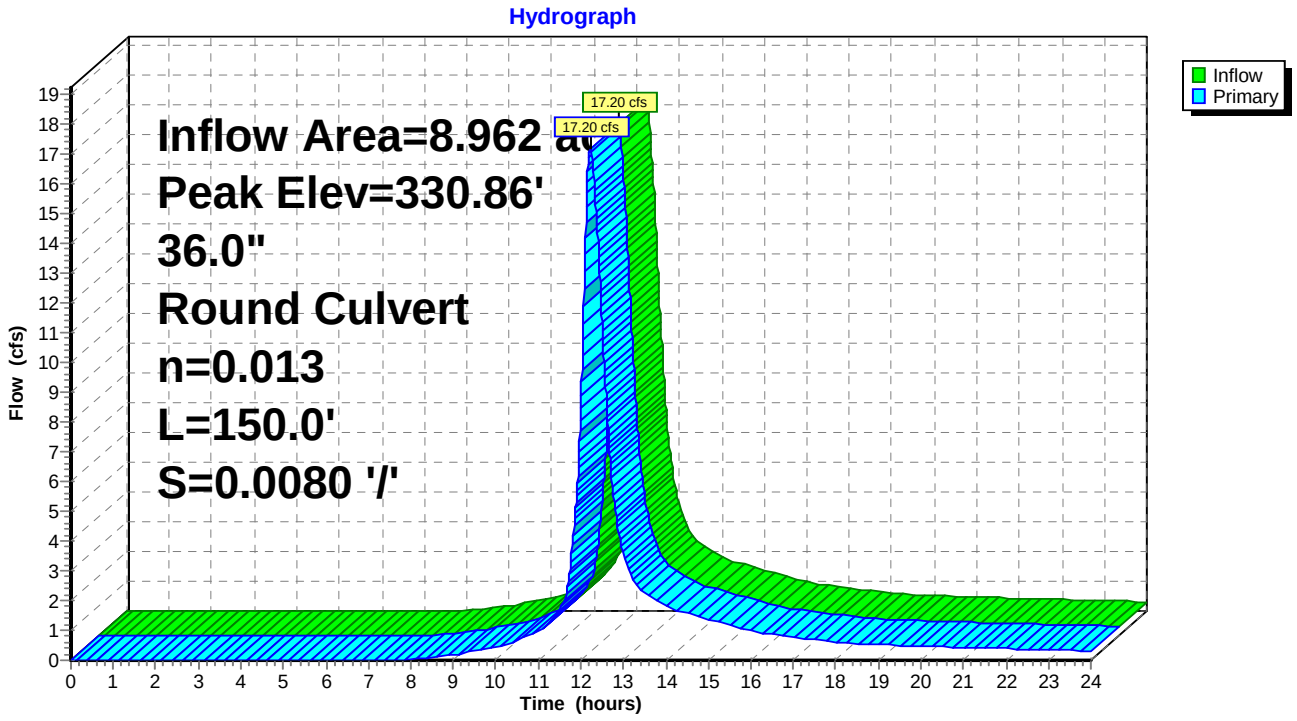
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 2.58" for 5-Year event
Inflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af
Outflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af, Atten= 0%, Lag= 0.0 min
Primary = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.86' @ 12.21 hrs
Flood Elev= 337.00'

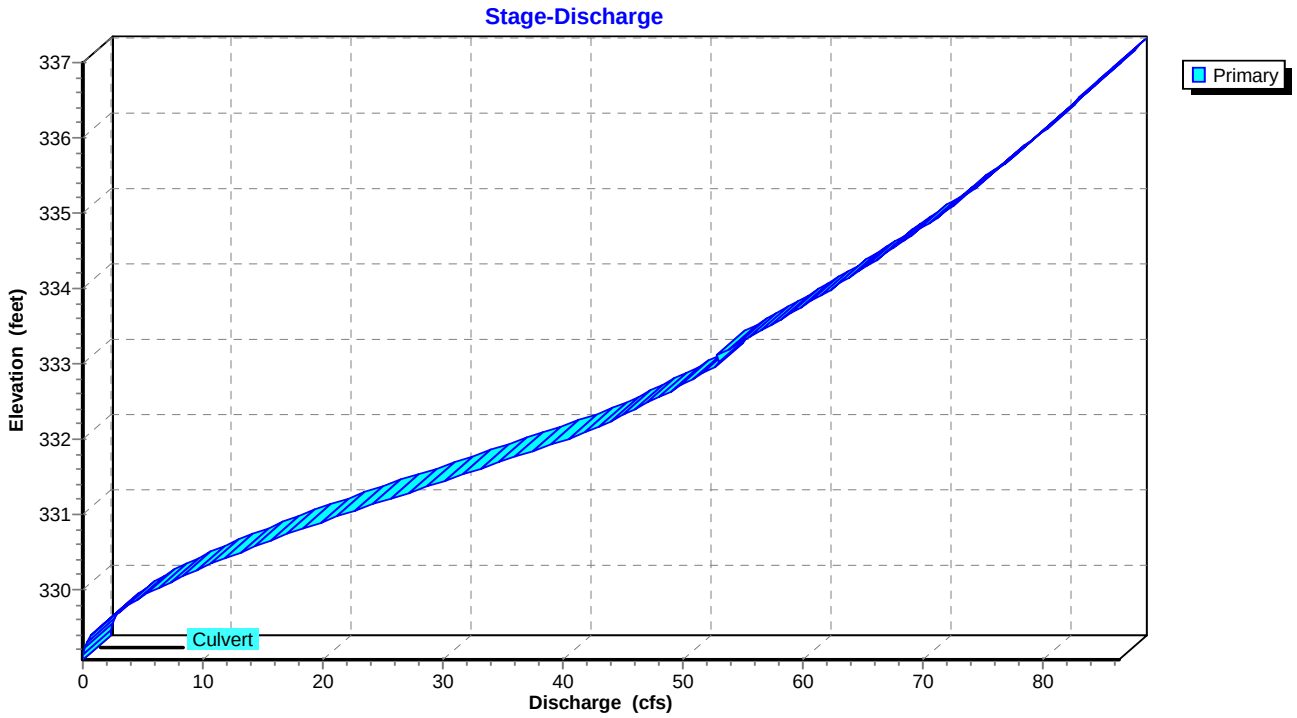
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.22 cfs @ 12.22 hrs HW=330.86' TW=329.55' (Dynamic Tailwater)
1=Culvert (Outlet Controls 17.22 cfs @ 5.61 fps)

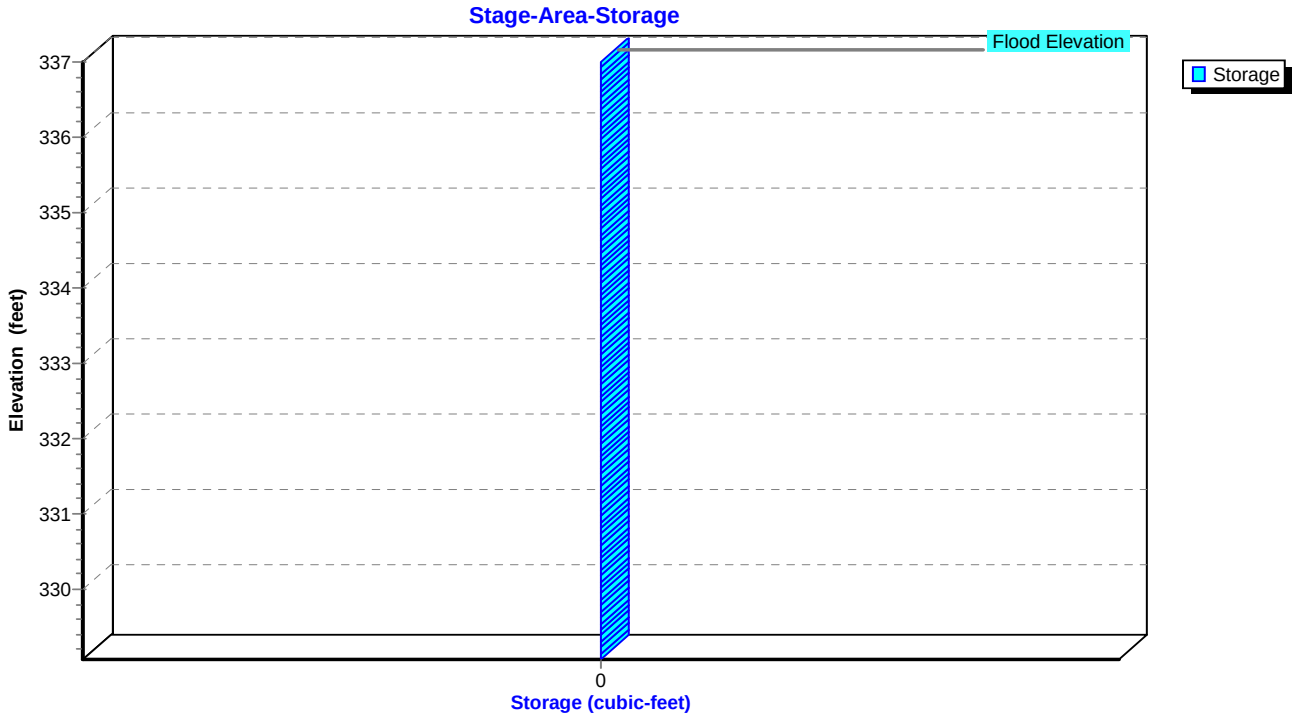
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.08	0.00
7.50	0.01	329.10	0.01
8.00	0.03	329.14	0.03
8.50	0.08	329.18	0.08
9.00	0.17	329.23	0.17
9.50	0.30	329.28	0.30
10.00	0.45	329.32	0.45
10.50	0.67	329.37	0.67
11.00	0.99	329.44	0.99
11.50	1.69	329.55	1.69
12.00	**8.47**	**330.22**	**8.47**
12.50	**11.34**	**330.44**	**11.34**
13.00	3.56	329.77	3.56
13.50	2.28	329.63	2.28
14.00	1.86	329.57	1.86
14.50	1.57	329.53	1.57
15.00	1.38	329.50	1.38
15.50	1.19	329.47	1.19
16.00	1.00	329.44	1.00
16.50	0.86	329.41	0.86
17.00	0.77	329.40	0.77
17.50	0.69	329.38	0.69
18.00	0.60	329.36	0.60
18.50	0.55	329.35	0.55
19.00	0.52	329.34	0.52
19.50	0.49	329.33	0.49
20.00	0.47	329.33	0.47
20.50	0.45	329.32	0.45
21.00	0.43	329.32	0.43
21.50	0.41	329.31	0.41
22.00	0.39	329.30	0.39
22.50	0.37	329.30	0.37
23.00	0.35	329.29	0.35
23.50	0.33	329.29	0.33
24.00	0.31	329.28	0.31

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

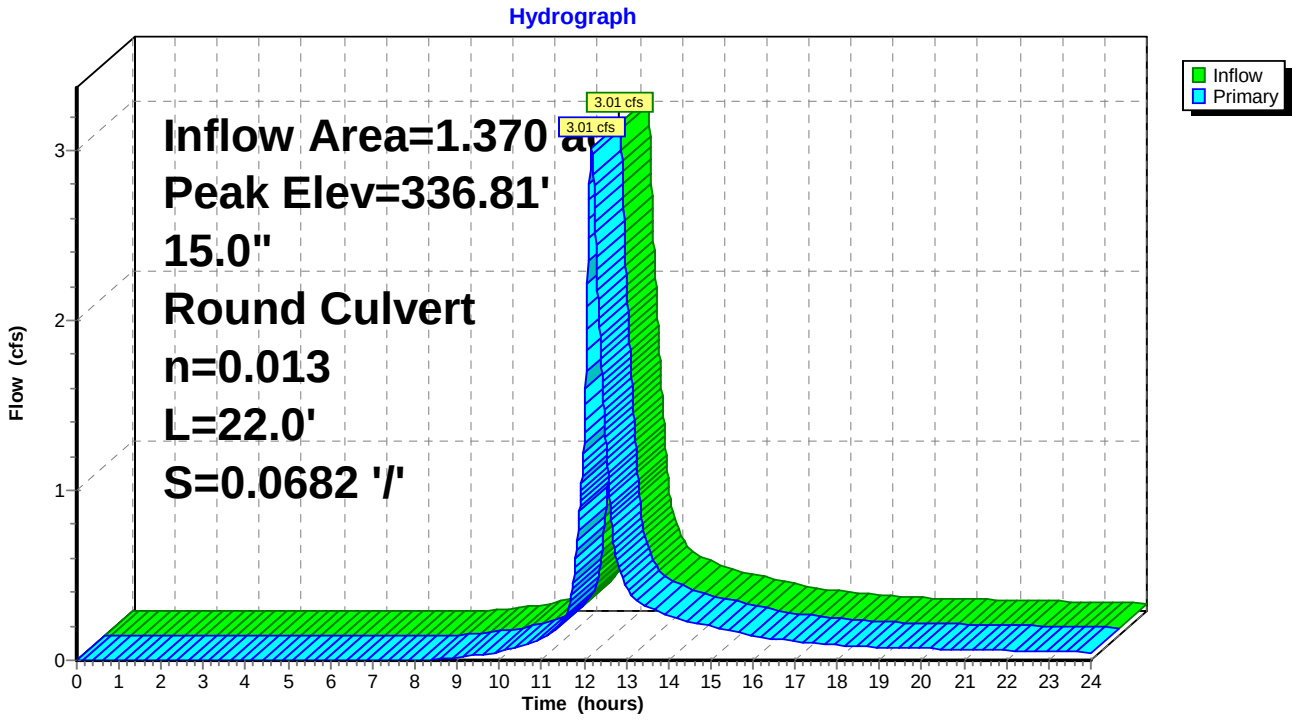
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af
Outflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.81' @ 12.19 hrs
Flood Elev= 338.50'

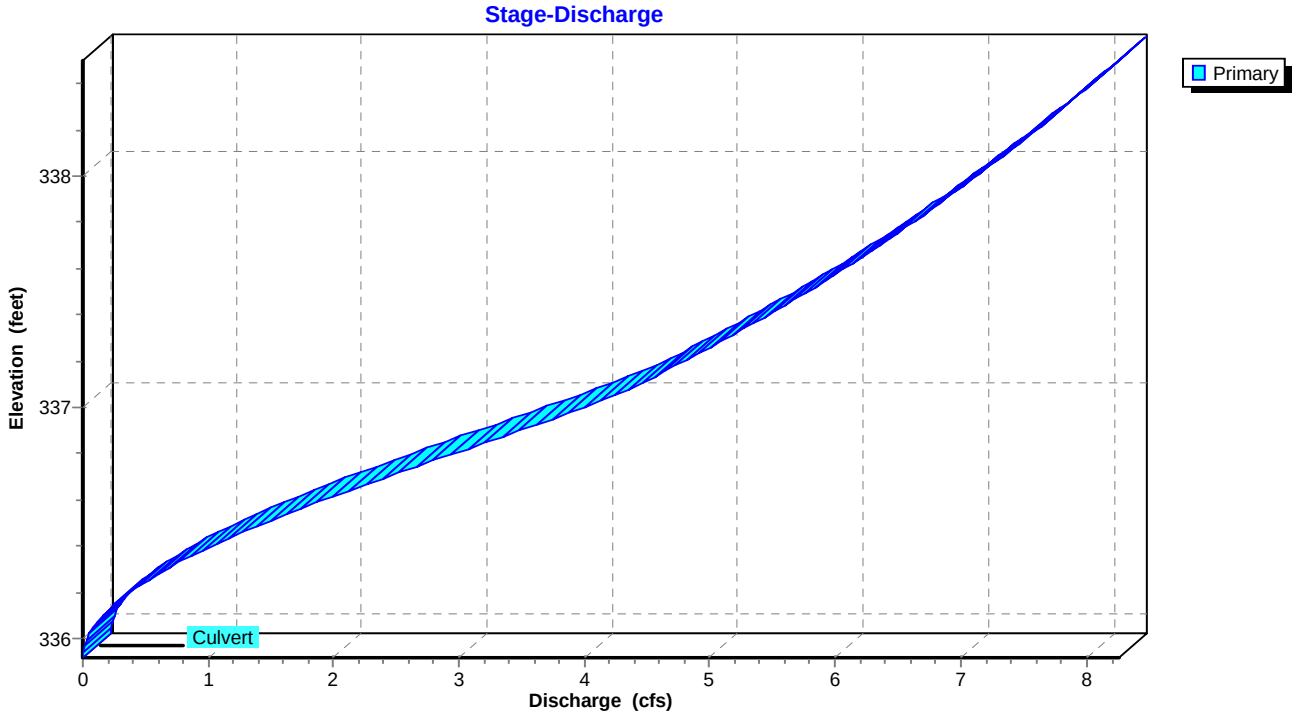
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.01 cfs @ 12.19 hrs HW=336.81' TW=330.85' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.01 cfs @ 3.21 fps)

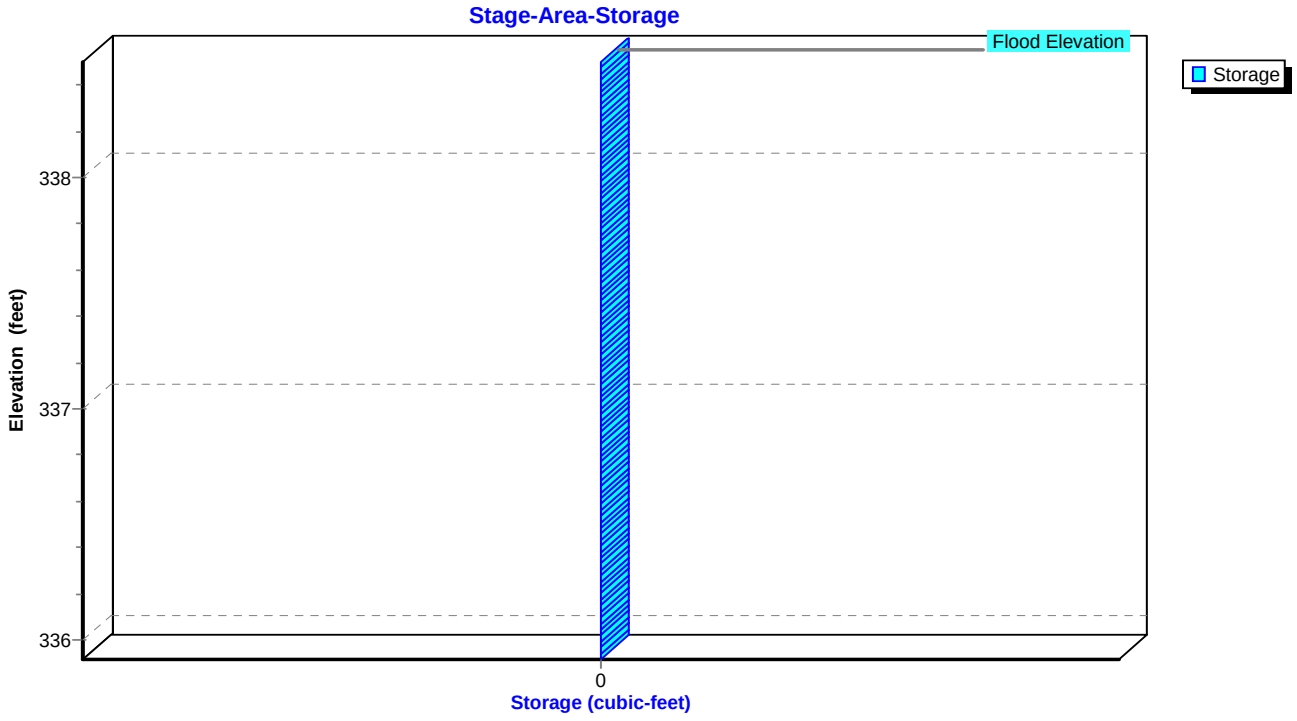
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.94	0.00
9.00	0.01	335.97	0.01
9.50	0.03	336.00	0.03
10.00	0.05	336.02	0.05
10.50	0.08	336.05	0.08
11.00	0.13	336.08	0.13
11.50	0.23	336.14	0.23
12.00	**1.28**	**336.46**	**1.28**
12.50	**1.39**	**336.49**	**1.39**
13.00	0.44	336.23	0.44
13.50	0.32	336.18	0.32
14.00	0.26	336.15	0.26
14.50	0.22	336.14	0.22
15.00	0.20	336.12	0.20
15.50	0.17	336.11	0.17
16.00	0.14	336.09	0.14
16.50	0.12	336.08	0.12
17.00	0.11	336.07	0.11
17.50	0.10	336.06	0.10
18.00	0.09	336.05	0.09
18.50	0.08	336.05	0.08
19.00	0.08	336.04	0.08
19.50	0.07	336.04	0.07
20.00	0.07	336.04	0.07
20.50	0.07	336.04	0.07
21.00	0.06	336.03	0.06
21.50	0.06	336.03	0.06
22.00	0.06	336.03	0.06
22.50	0.05	336.02	0.05
23.00	0.05	336.02	0.05
23.50	0.05	336.02	0.05
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

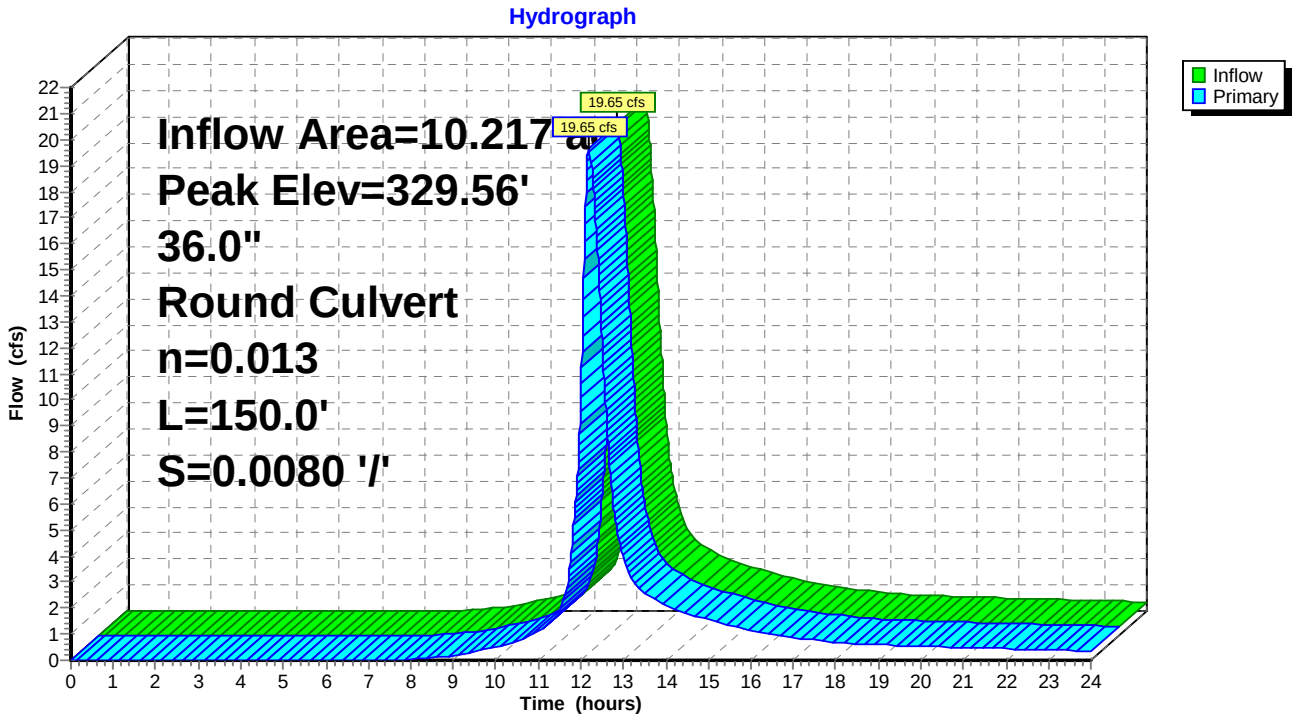
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af
Outflow = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af, Atten= 0%, Lag= 0.0 min
Primary = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.56' @ 12.19 hrs
Flood Elev= 335.75'

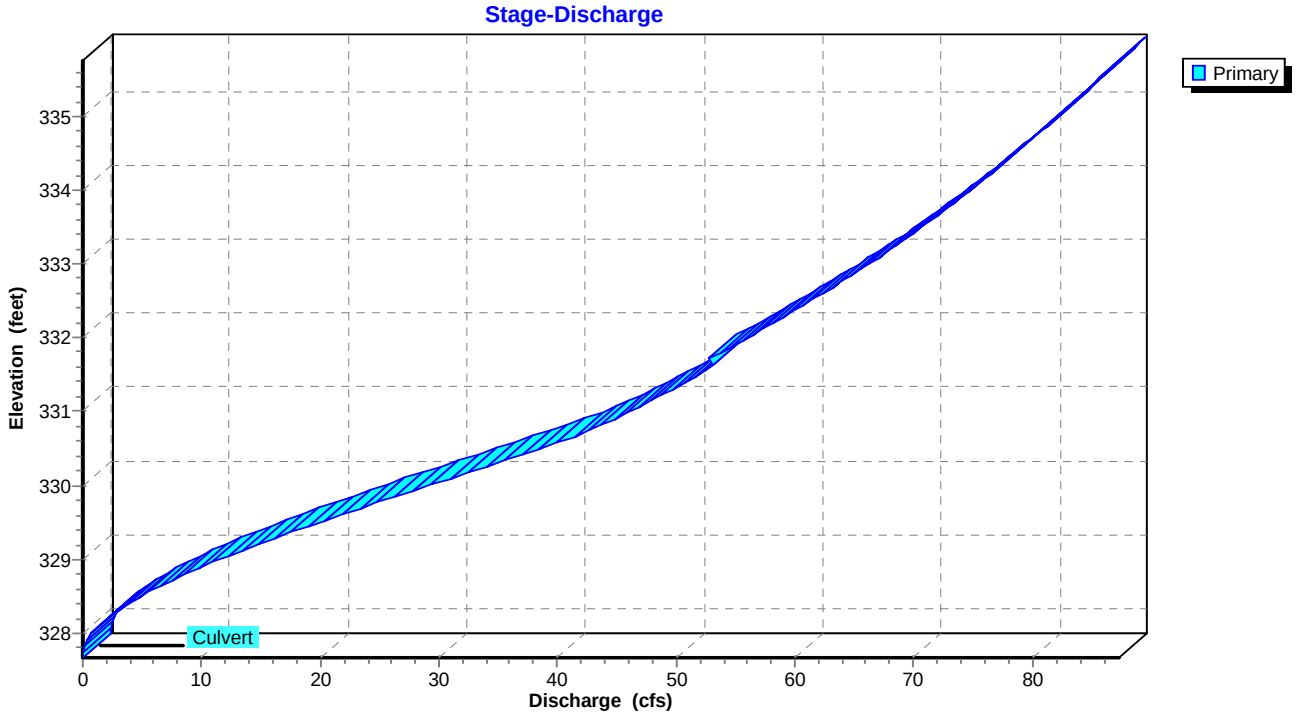
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.64 cfs @ 12.19 hrs HW=329.55' TW=328.08' (Dynamic Tailwater)
1=Culvert (Outlet Controls 19.64 cfs @ 6.00 fps)

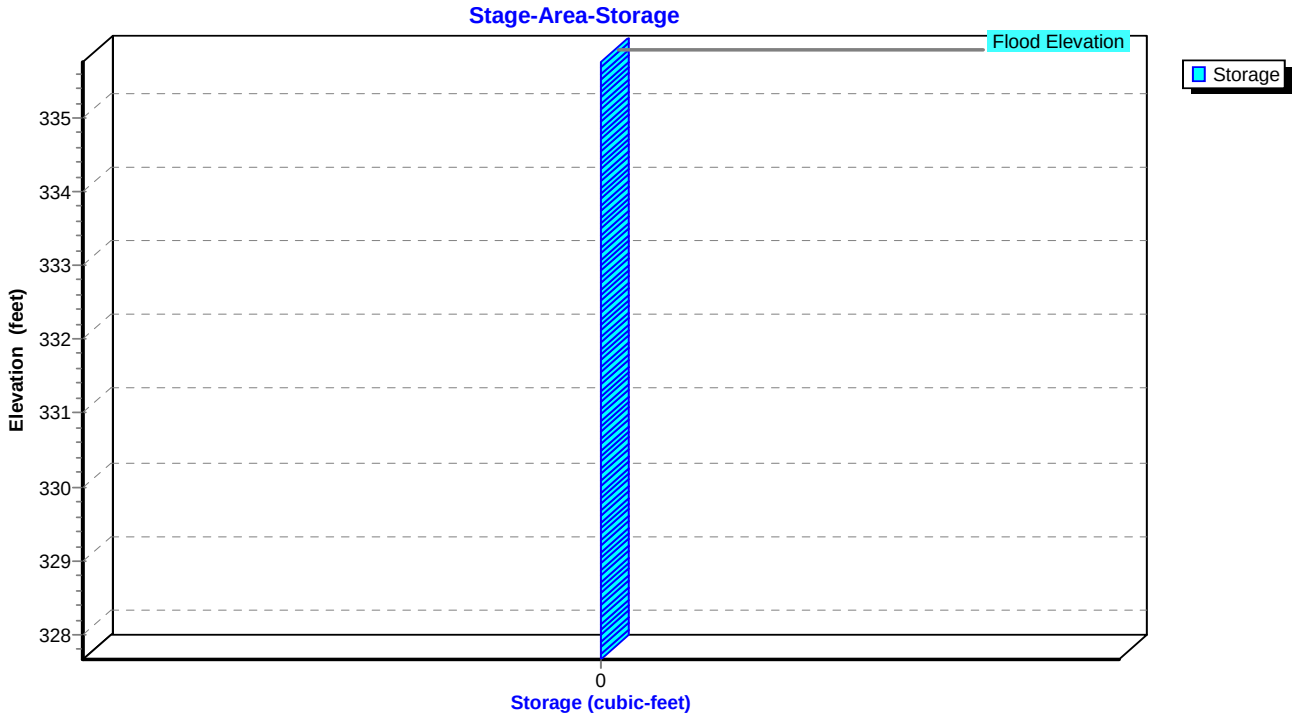
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.68	0.00
7.50	0.01	327.70	0.01
8.00	0.03	327.74	0.03
8.50	0.09	327.79	0.09
9.00	0.19	327.84	0.19
9.50	0.33	327.89	0.33
10.00	0.50	327.93	0.50
10.50	0.75	327.99	0.75
11.00	1.12	328.06	1.12
11.50	1.93	328.18	1.93
12.00	**10.07**	**328.93**	**10.07**
12.50	**12.32**	**329.08**	**12.32**
13.00	3.93	328.41	3.93
13.50	2.56	328.26	2.56
14.00	2.09	328.20	2.09
14.50	1.77	328.16	1.77
15.00	1.56	328.13	1.56
15.50	1.34	328.10	1.34
16.00	1.13	328.06	1.13
16.50	0.97	328.03	0.97
17.00	0.87	328.02	0.87
17.50	0.78	328.00	0.78
18.00	0.68	327.98	0.68
18.50	0.62	327.96	0.62
19.00	0.59	327.96	0.59
19.50	0.56	327.95	0.56
20.00	0.53	327.94	0.53
20.50	0.51	327.94	0.51
21.00	0.48	327.93	0.48
21.50	0.46	327.92	0.46
22.00	0.44	327.92	0.44
22.50	0.42	327.91	0.42
23.00	0.40	327.91	0.40
23.50	0.37	327.90	0.37
24.00	0.35	327.89	0.35

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

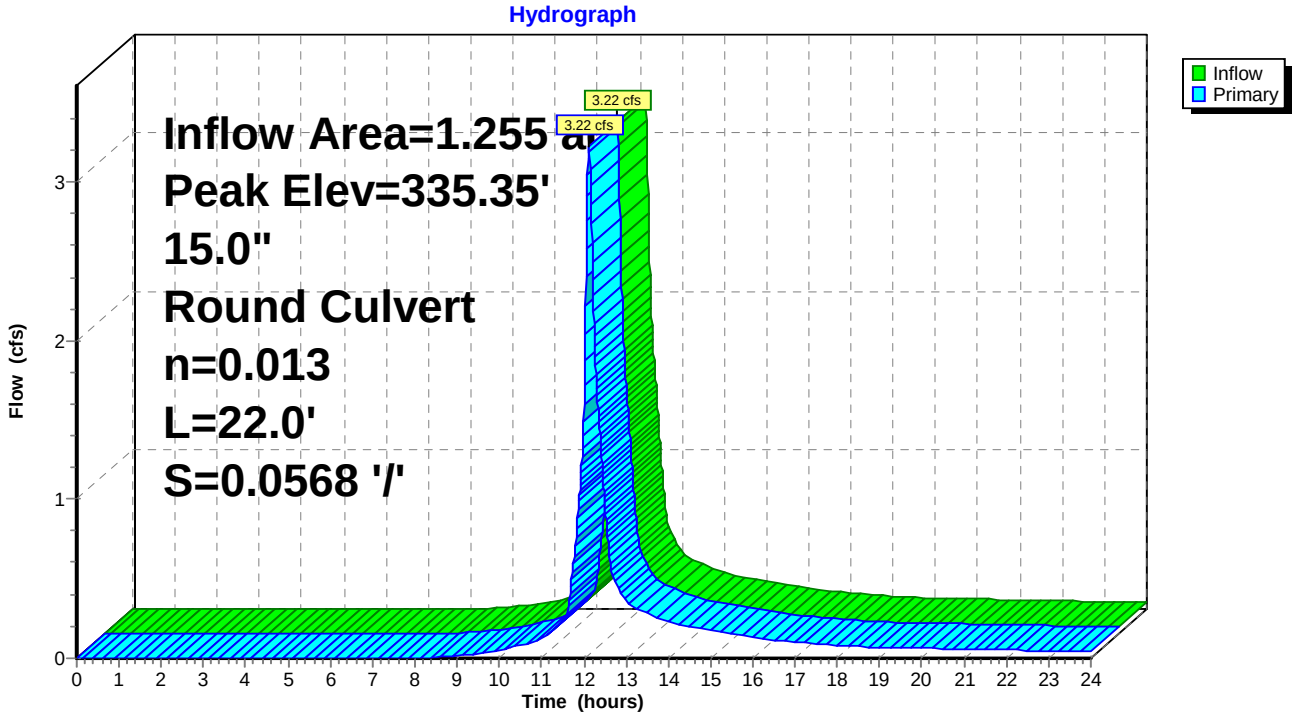
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af
Outflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min
Primary = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.35' @ 12.12 hrs
Flood Elev= 337.00'

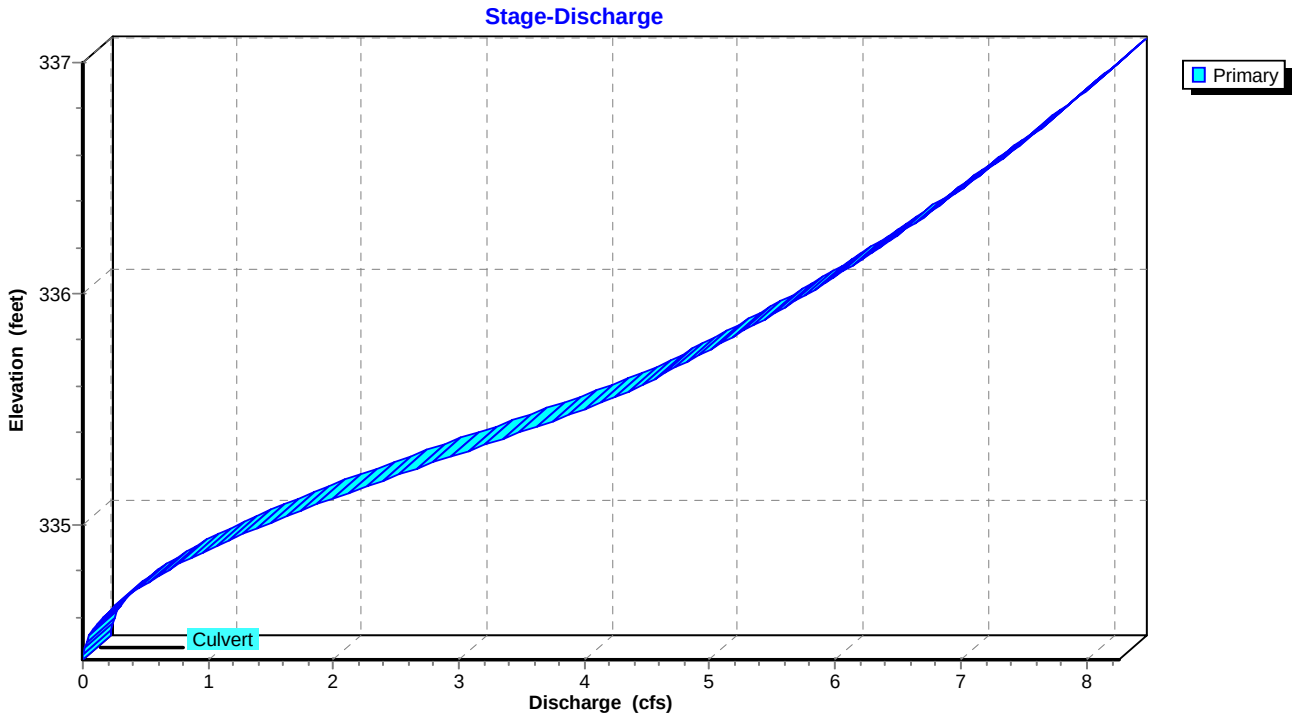
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.22 cfs @ 12.12 hrs HW=335.35' TW=329.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.22 cfs @ 3.28 fps)

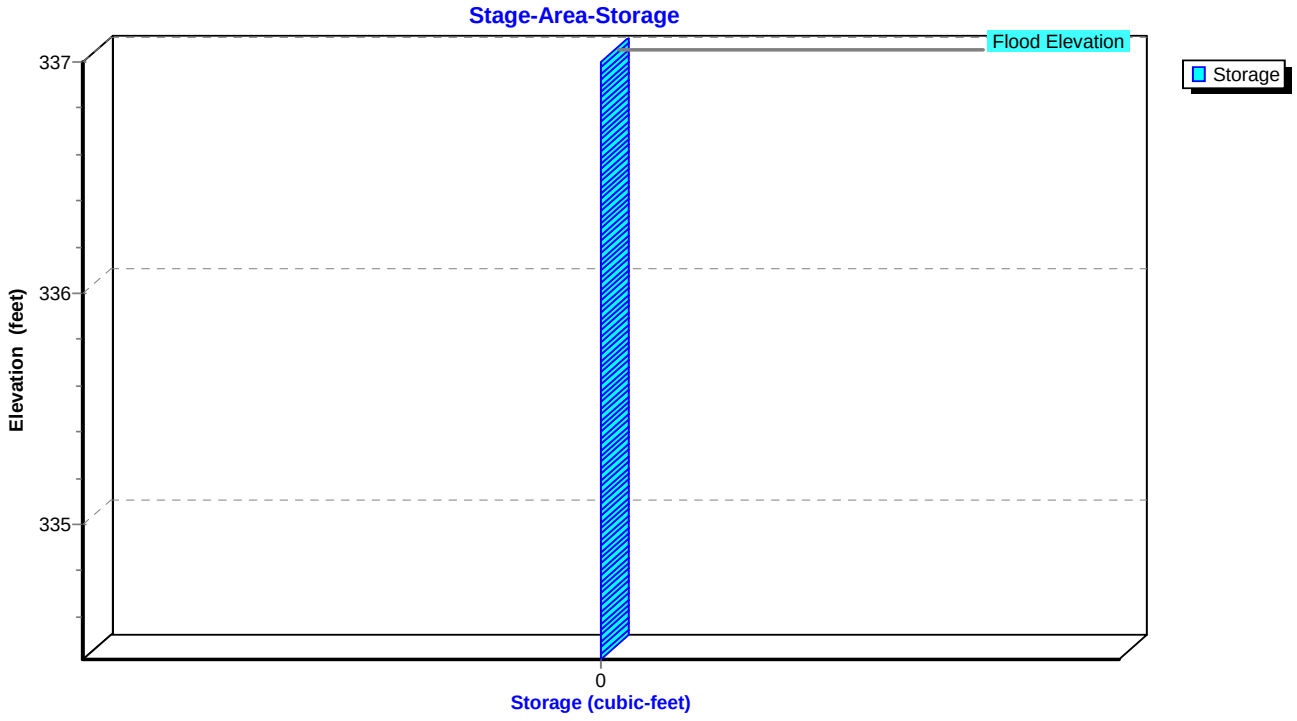
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.45	0.00
9.00	0.02	334.47	0.02
9.50	0.03	334.50	0.03
10.00	0.05	334.52	0.05
10.50	0.08	334.55	0.08
11.00	0.13	334.58	0.13
11.50	0.24	334.64	0.24
12.00	**1.60**	**335.03**	**1.60**
12.50	**0.98**	**334.89**	**0.98**
13.00	0.37	334.70	0.37
13.50	0.28	334.66	0.28
14.00	0.23	334.64	0.23
14.50	0.20	334.62	0.20
15.00	0.18	334.61	0.18
15.50	0.15	334.60	0.15
16.00	0.13	334.58	0.13
16.50	0.11	334.57	0.11
17.00	0.10	334.56	0.10
17.50	0.09	334.55	0.09
18.00	0.08	334.55	0.08
18.50	0.07	334.54	0.07
19.00	0.07	334.54	0.07
19.50	0.07	334.54	0.07
20.00	0.06	334.53	0.06
20.50	0.06	334.53	0.06
21.00	0.06	334.53	0.06
21.50	0.05	334.52	0.05
22.00	0.05	334.52	0.05
22.50	0.05	334.52	0.05
23.00	0.05	334.52	0.05
23.50	0.04	334.51	0.04
24.00	0.04	334.51	0.04

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

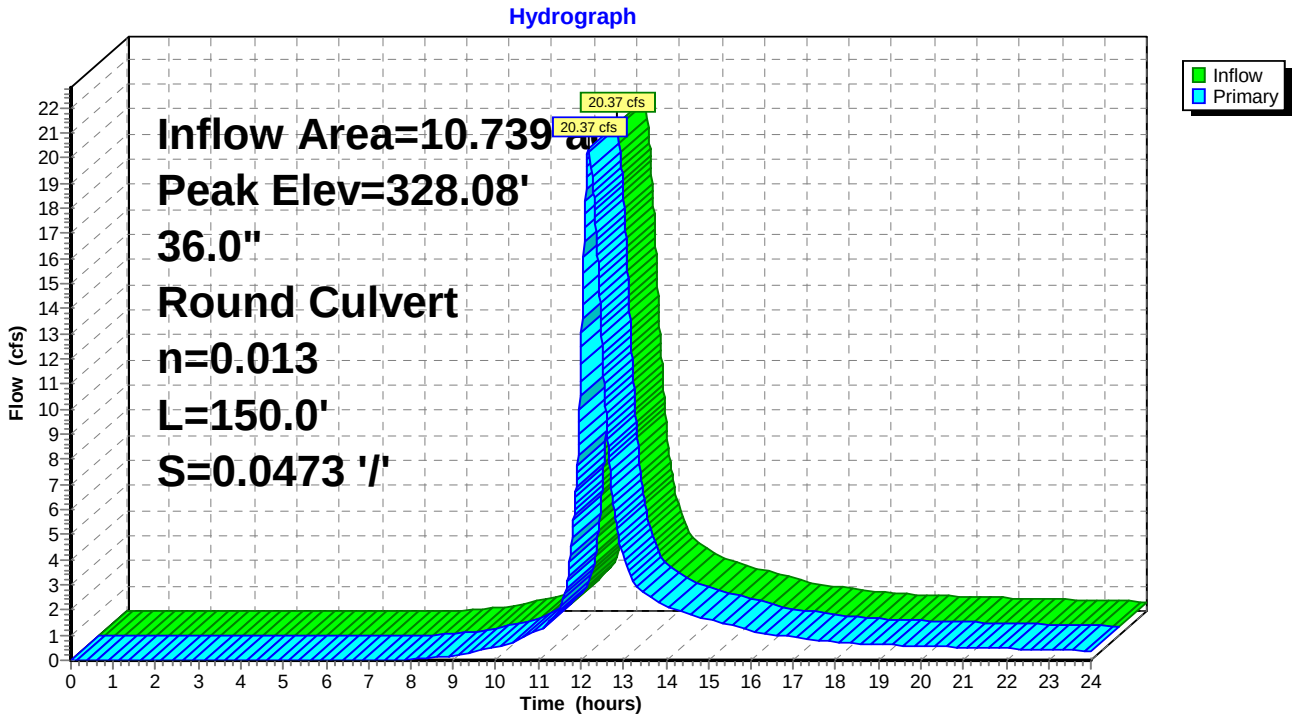
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af
Outflow = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af, Atten= 0%, Lag= 0.0 min
Primary = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.08' @ 12.19 hrs
Flood Elev= 332.25'

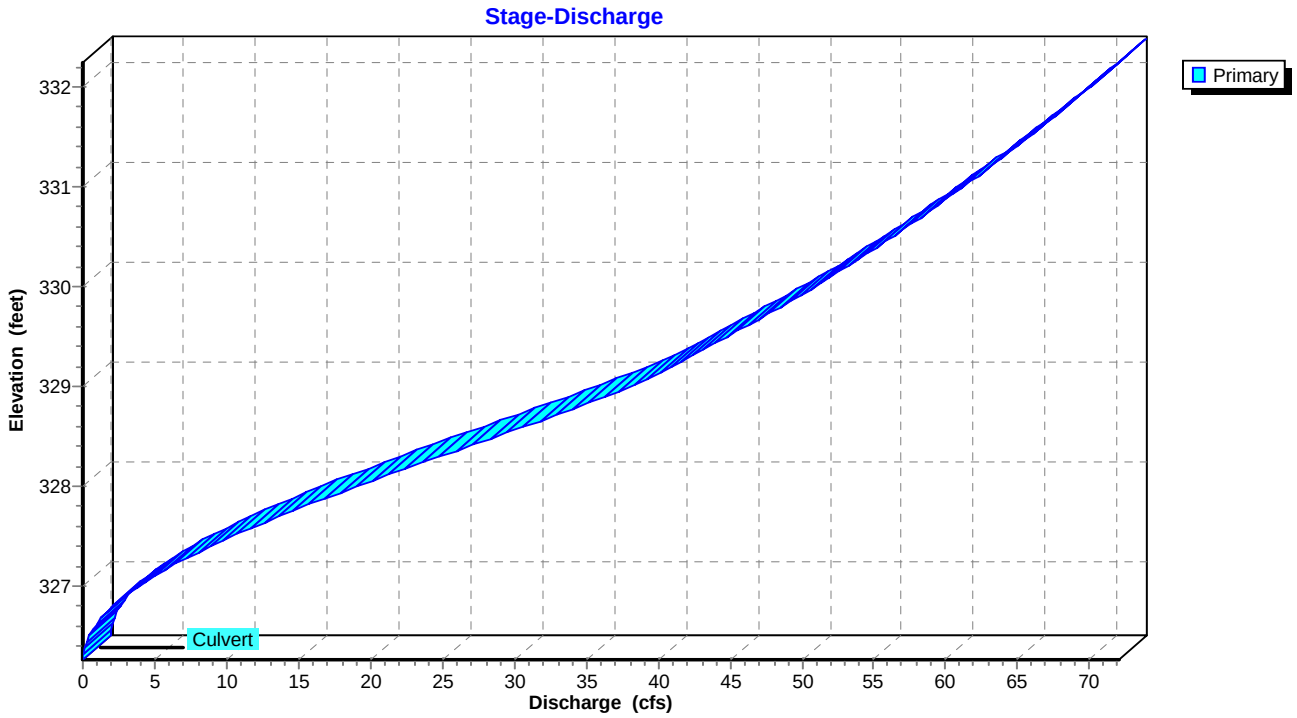
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.36 cfs @ 12.19 hrs HW=328.08' TW=320.86' (Dynamic Tailwater)
1=Culvert (Inlet Controls 20.36 cfs @ 4.58 fps)

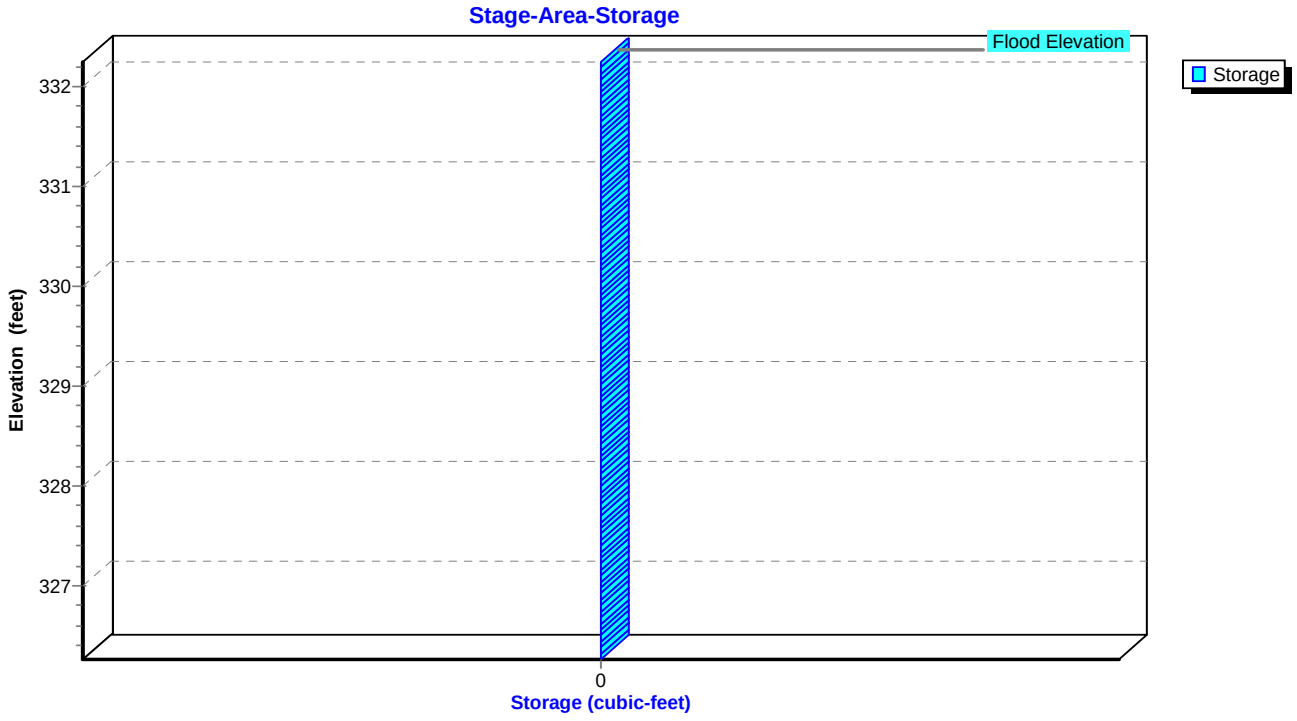
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.28	0.00
7.50	0.01	326.30	0.01
8.00	0.03	326.33	0.03
8.50	0.09	326.38	0.09
9.00	0.20	326.43	0.20
9.50	0.35	326.48	0.35
10.00	0.53	326.53	0.53
10.50	0.80	326.59	0.80
11.00	1.18	326.67	1.18
11.50	2.06	326.80	2.06
12.00	**11.77**	**327.59**	**11.77**
12.50	**12.56**	**327.64**	**12.56**
13.00	4.07	327.02	4.07
13.50	2.68	326.87	2.68
14.00	2.19	326.81	2.19
14.50	1.86	326.77	1.86
15.00	1.63	326.74	1.63
15.50	1.41	326.70	1.41
16.00	1.18	326.67	1.18
16.50	1.02	326.64	1.02
17.00	0.92	326.62	0.92
17.50	0.81	326.60	0.81
18.00	0.71	326.58	0.71
18.50	0.65	326.56	0.65
19.00	0.62	326.55	0.62
19.50	0.59	326.55	0.59
20.00	0.56	326.54	0.56
20.50	0.53	326.53	0.53
21.00	0.51	326.53	0.51
21.50	0.49	326.52	0.49
22.00	0.46	326.52	0.46
22.50	0.44	326.51	0.44
23.00	0.42	326.50	0.42
23.50	0.39	326.50	0.39
24.00	0.37	326.49	0.37

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

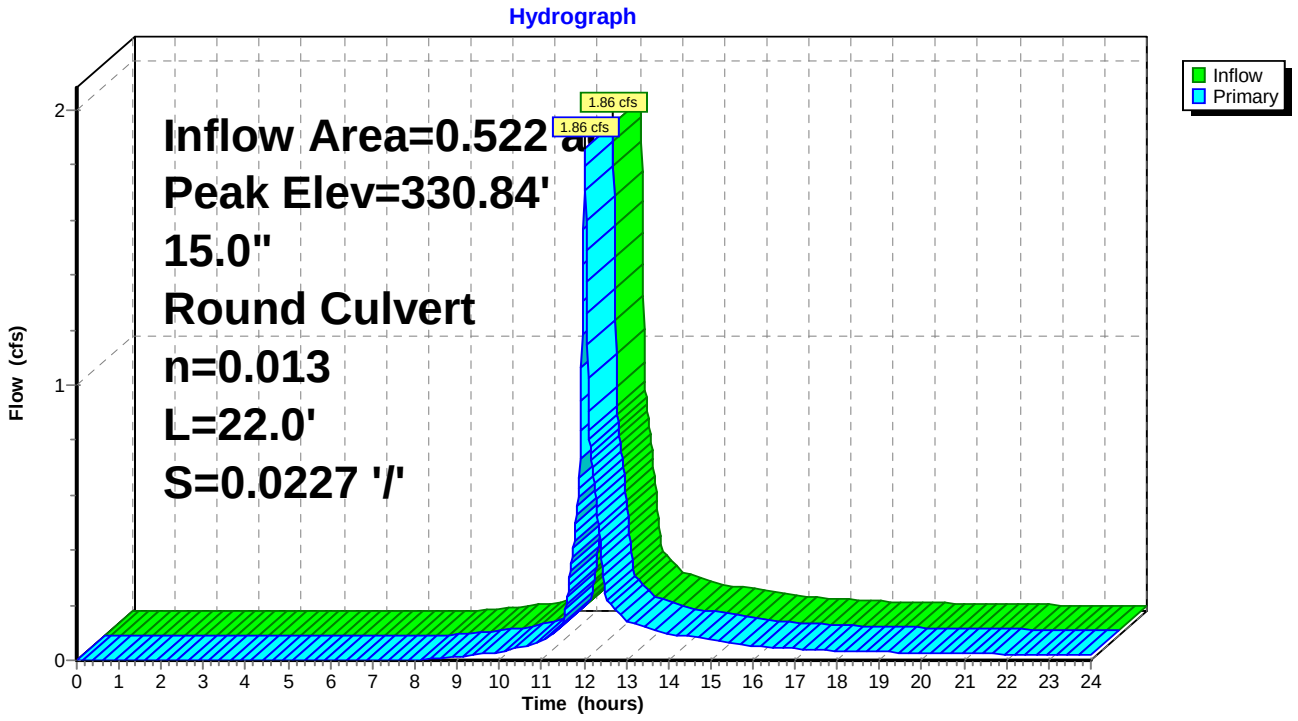
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af
Outflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.84' @ 12.02 hrs
Flood Elev= 332.80'

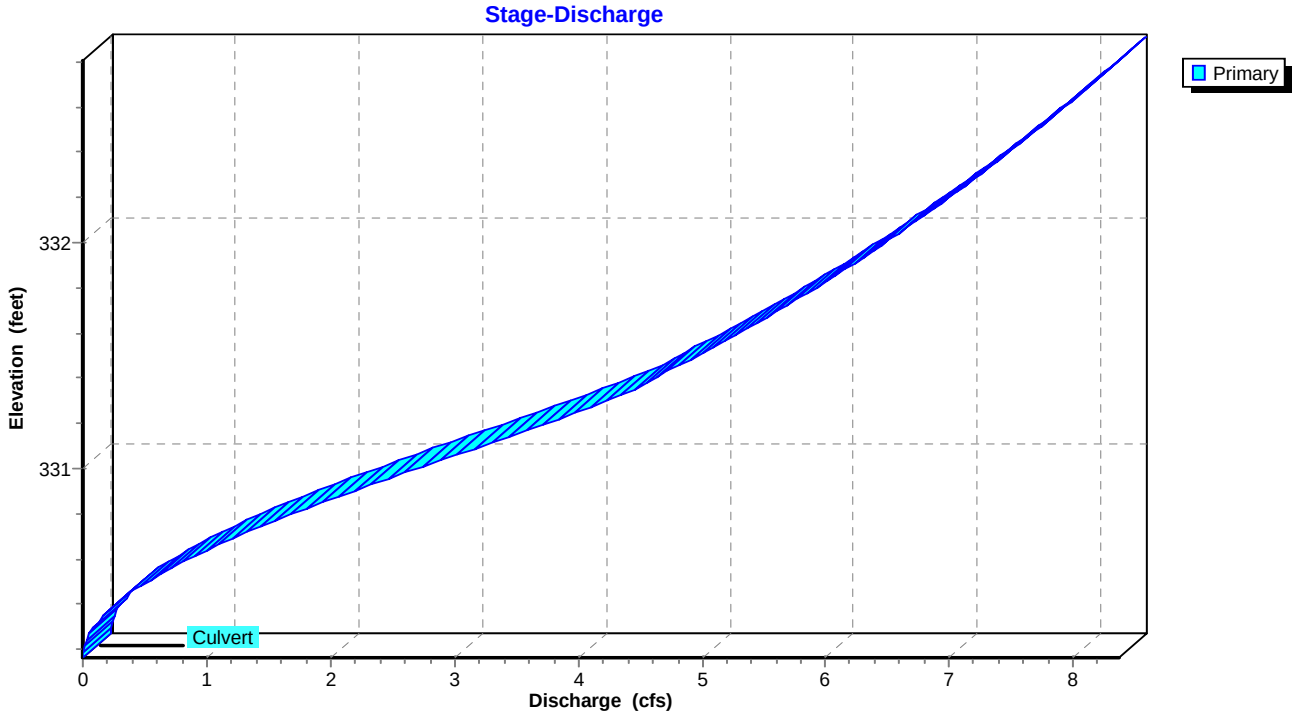
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.85 cfs @ 12.02 hrs HW=330.84' TW=327.67' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.85 cfs @ 2.78 fps)

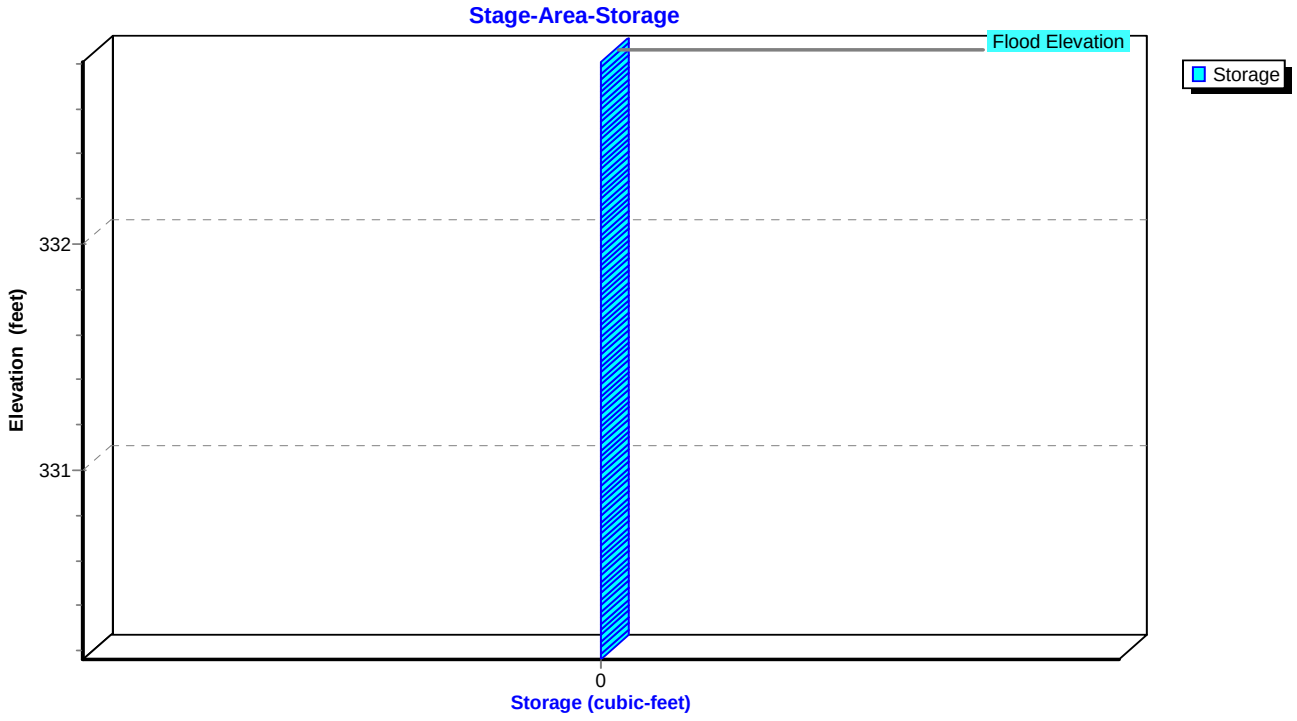
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.19	0.00
8.50	0.01	330.21	0.01
9.00	0.01	330.22	0.01
9.50	0.02	330.23	0.02
10.00	0.03	330.25	0.03
10.50	0.05	330.27	0.05
11.00	0.07	330.29	0.07
11.50	0.13	330.33	0.13
12.00	**1.70**	**330.81**	**1.70**
12.50	**0.25**	**330.40**	**0.25**
13.00	0.14	330.34	0.14
13.50	0.12	330.33	0.12
14.00	0.10	330.31	0.10
14.50	0.09	330.30	0.09
15.00	0.07	330.29	0.07
15.50	0.06	330.28	0.06
16.00	0.05	330.27	0.05
16.50	0.05	330.27	0.05
17.00	0.04	330.26	0.04
17.50	0.04	330.26	0.04
18.00	0.03	330.25	0.03
18.50	0.03	330.25	0.03
19.00	0.03	330.25	0.03
19.50	0.03	330.24	0.03
20.00	0.03	330.24	0.03
20.50	0.03	330.24	0.03
21.00	0.02	330.24	0.02
21.50	0.02	330.24	0.02
22.00	0.02	330.24	0.02
22.50	0.02	330.23	0.02
23.00	0.02	330.23	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

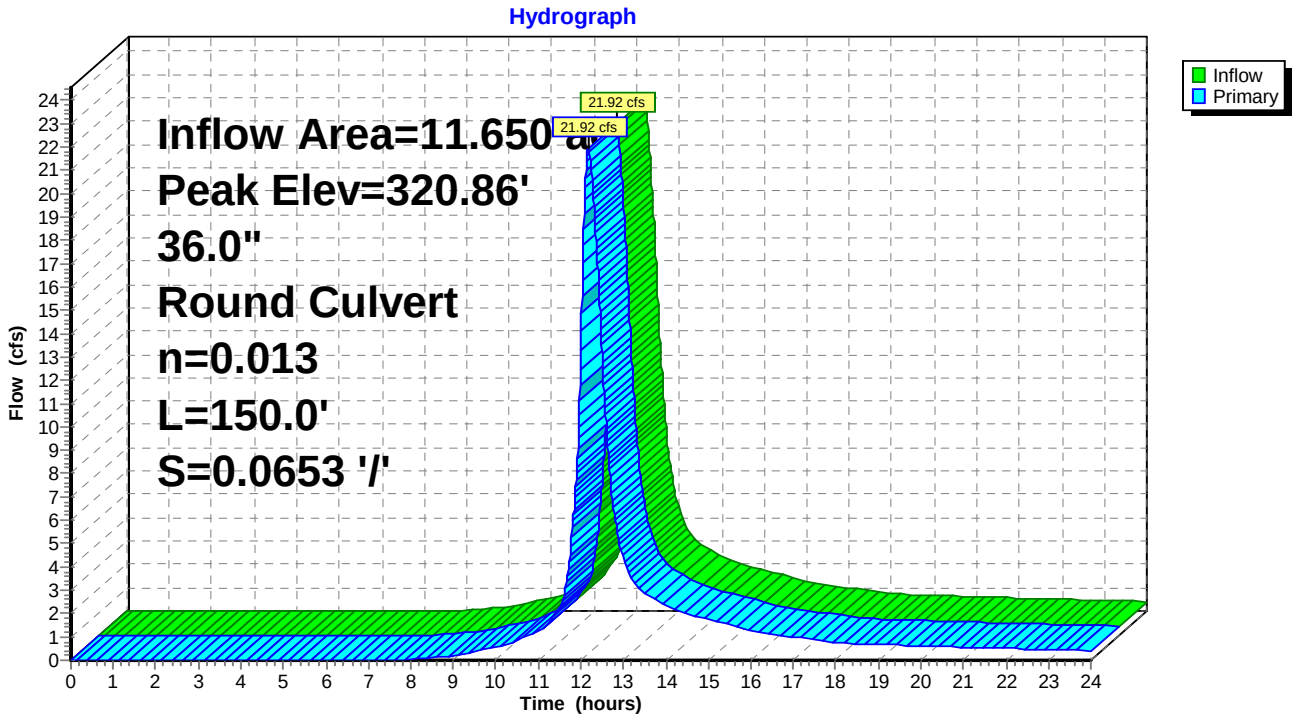
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 2.53" for 5-Year event
Inflow = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af
Outflow = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af, Atten= 0%, Lag= 0.0 min
Primary = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.86' @ 12.17 hrs
Flood Elev= 338.50'

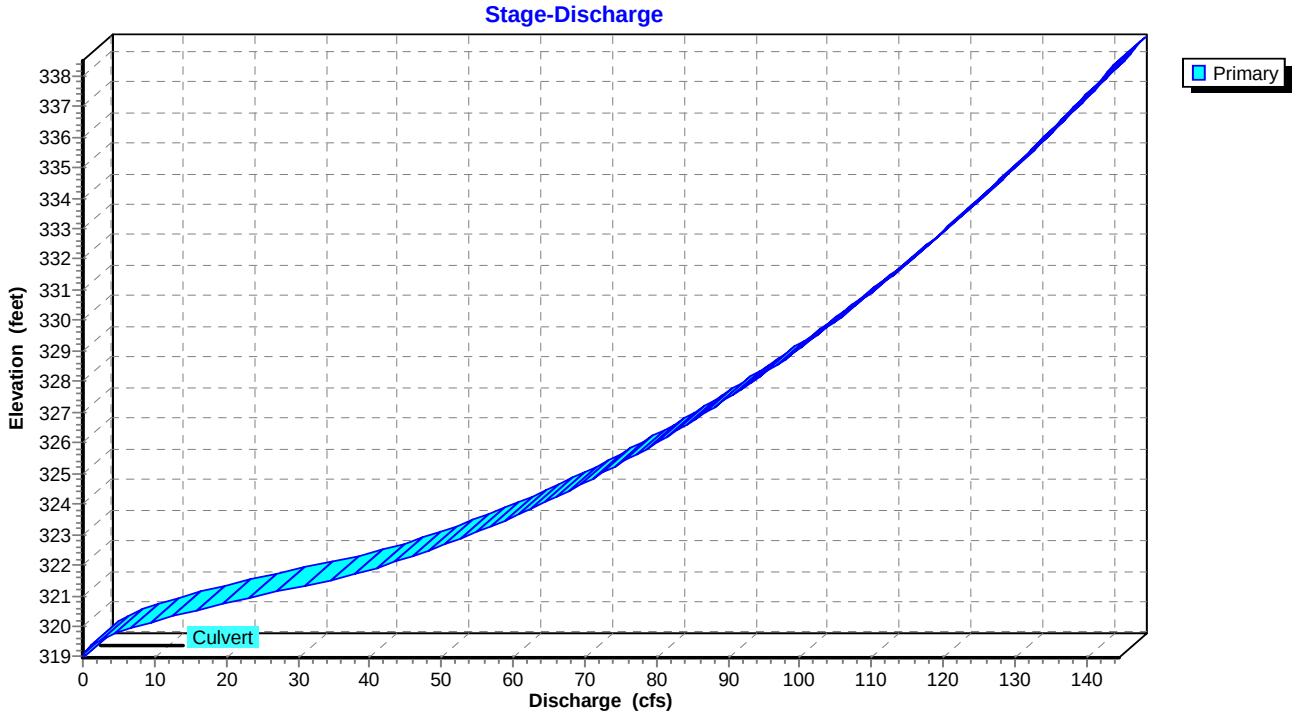
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.92 cfs @ 12.17 hrs HW=320.86' TW=310.91' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 21.92 cfs @ 4.68 fps)

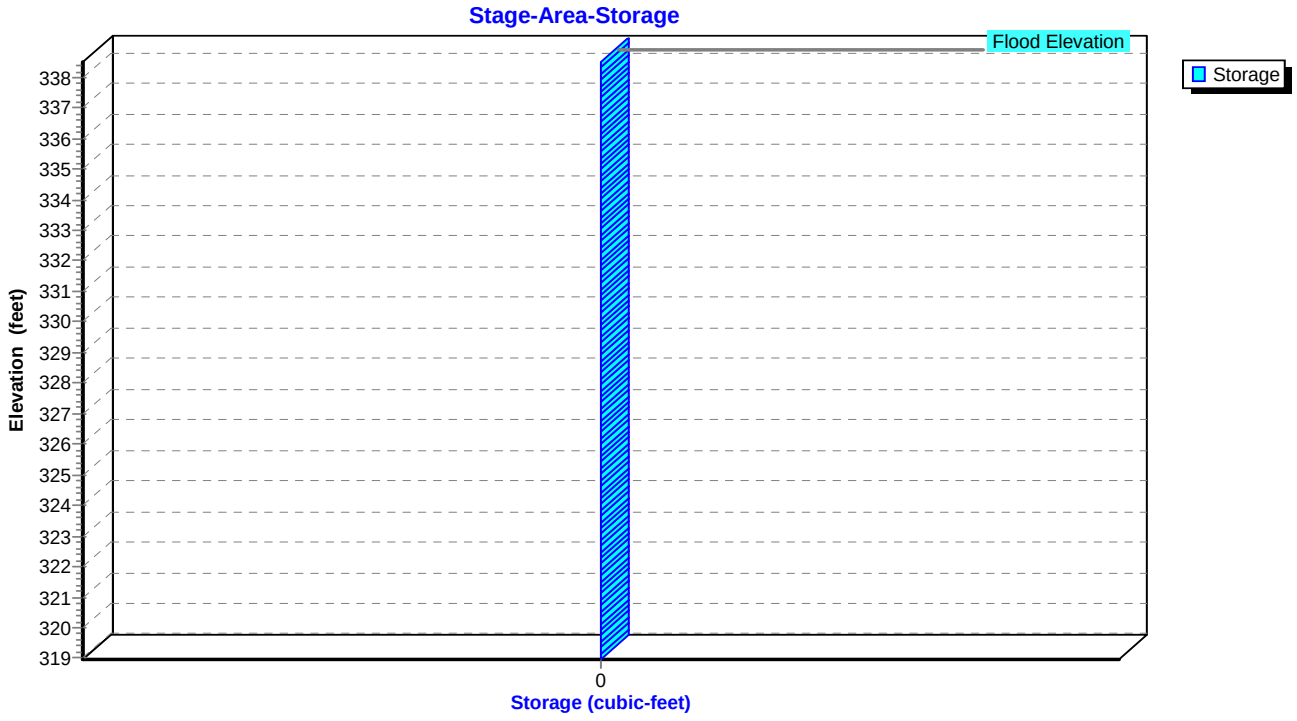
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.01	319.00	0.01
8.00	0.03	319.03	0.03
8.50	0.09	319.08	0.09
9.00	0.21	319.13	0.21
9.50	0.37	319.19	0.37
10.00	0.56	319.24	0.56
10.50	0.86	319.31	0.86
11.00	1.27	319.38	1.27
11.50	2.23	319.52	2.23
12.00	**13.26**	**320.38**	**13.26**
12.50	**13.14**	**320.38**	**13.14**
13.00	4.32	319.74	4.32
13.50	2.87	319.60	2.87
14.00	2.35	319.53	2.35
14.50	2.00	319.49	2.00
15.00	1.76	319.45	1.76
15.50	1.51	319.42	1.51
16.00	1.27	319.38	1.27
16.50	1.10	319.35	1.10
17.00	0.99	319.33	0.99
17.50	0.88	319.31	0.88
18.00	0.77	319.29	0.77
18.50	0.70	319.27	0.70
19.00	0.67	319.27	0.67
19.50	0.63	319.26	0.63
20.00	0.60	319.25	0.60
20.50	0.57	319.24	0.57
21.00	0.55	319.24	0.55
21.50	0.52	319.23	0.52
22.00	0.50	319.23	0.50
22.50	0.47	319.22	0.47
23.00	0.45	319.21	0.45
23.50	0.42	319.21	0.42
24.00	0.40	319.20	0.40

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

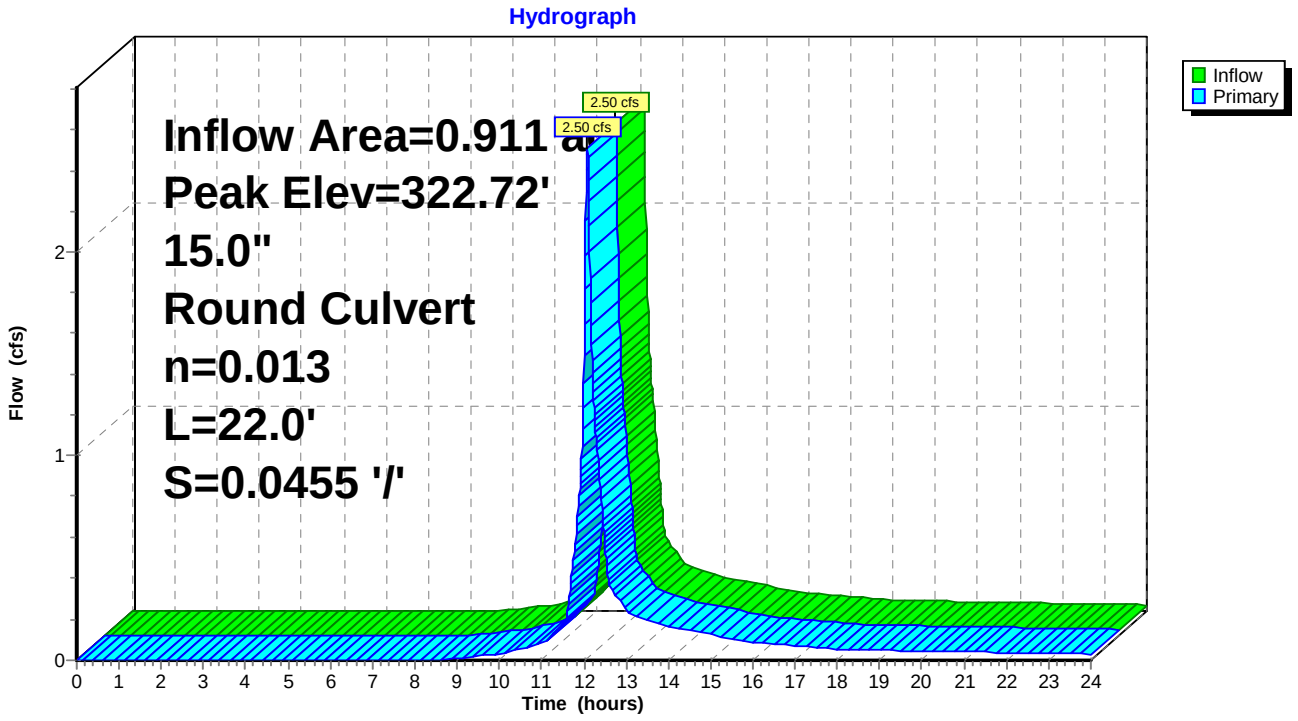
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.29" for 5-Year event
Inflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af
Outflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.72' @ 12.08 hrs
Flood Elev= 324.50'

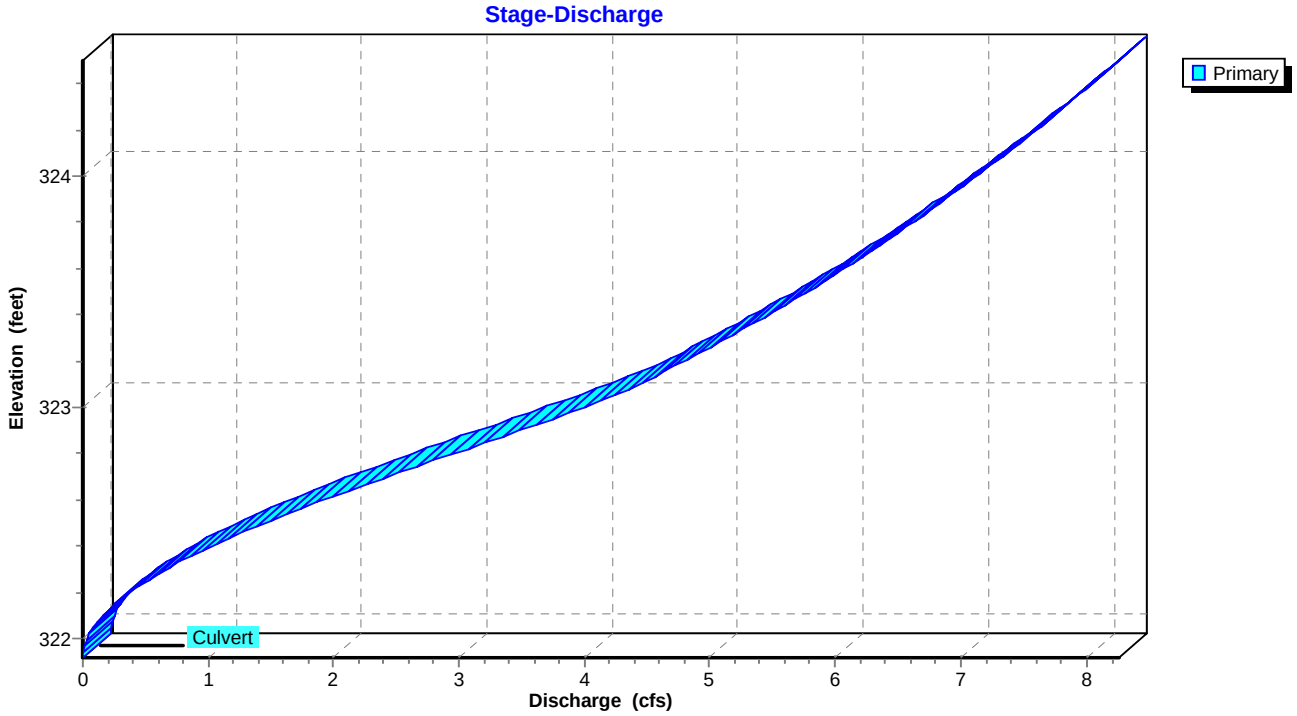
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.50 cfs @ 12.08 hrs HW=322.71' TW=320.72' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.50 cfs @ 3.04 fps)

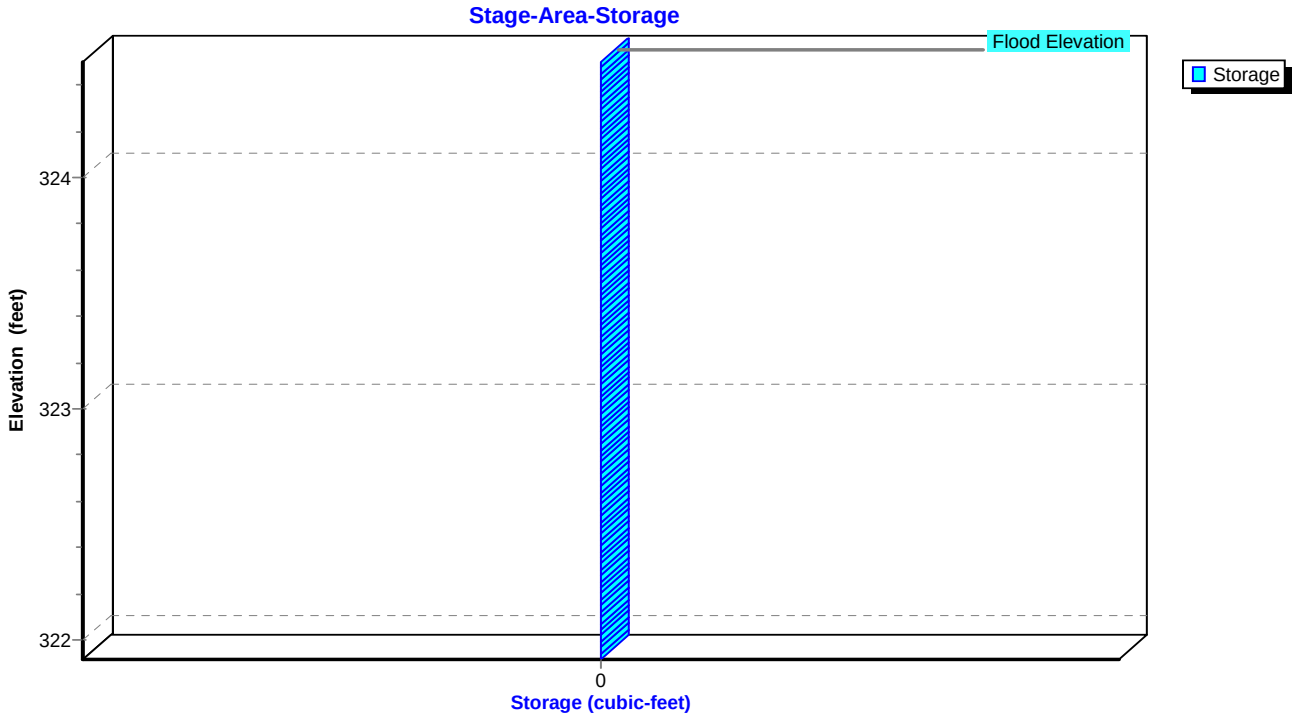
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.93	0.00
9.00	0.01	321.96	0.01
9.50	0.02	321.98	0.02
10.00	0.03	322.00	0.03
10.50	0.06	322.03	0.06
11.00	0.09	322.05	0.09
11.50	0.17	322.11	0.17
12.00	**1.49**	**322.51**	**1.49**
12.50	**0.57**	**322.27**	**0.57**
13.00	0.25	322.15	0.25
13.50	0.20	322.12	0.20
14.00	0.16	322.10	0.16
14.50	0.14	322.09	0.14
15.00	0.12	322.08	0.12
15.50	0.11	322.07	0.11
16.00	0.09	322.05	0.09
16.50	0.08	322.05	0.08
17.00	0.07	322.04	0.07
17.50	0.06	322.03	0.06
18.00	0.05	322.03	0.05
18.50	0.05	322.02	0.05
19.00	0.05	322.02	0.05
19.50	0.05	322.02	0.05
20.00	0.04	322.01	0.04
20.50	0.04	322.01	0.04
21.00	0.04	322.01	0.04
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.03	322.00	0.03
23.00	0.03	322.00	0.03
23.50	0.03	322.00	0.03
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

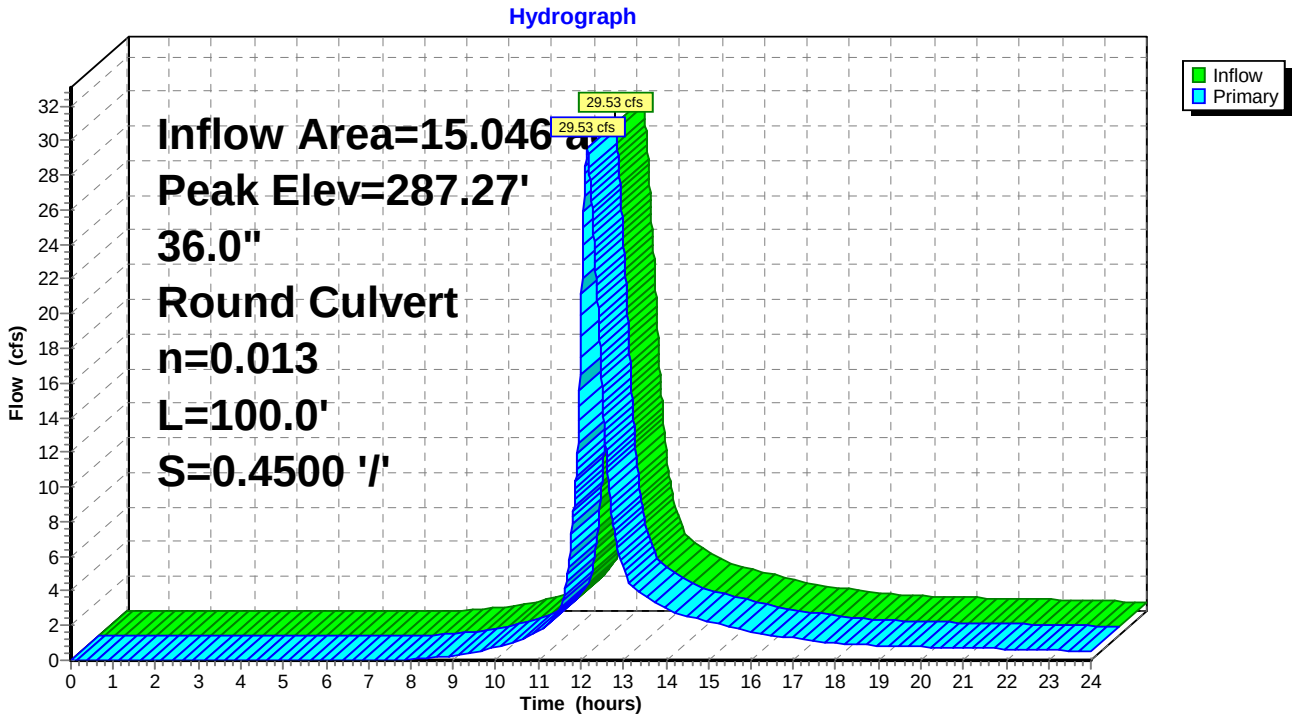
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 2.51" for 5-Year event
Inflow = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af
Outflow = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af, Atten= 0%, Lag= 0.0 min
Primary = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 287.27' @ 12.15 hrs
Flood Elev= 295.00'

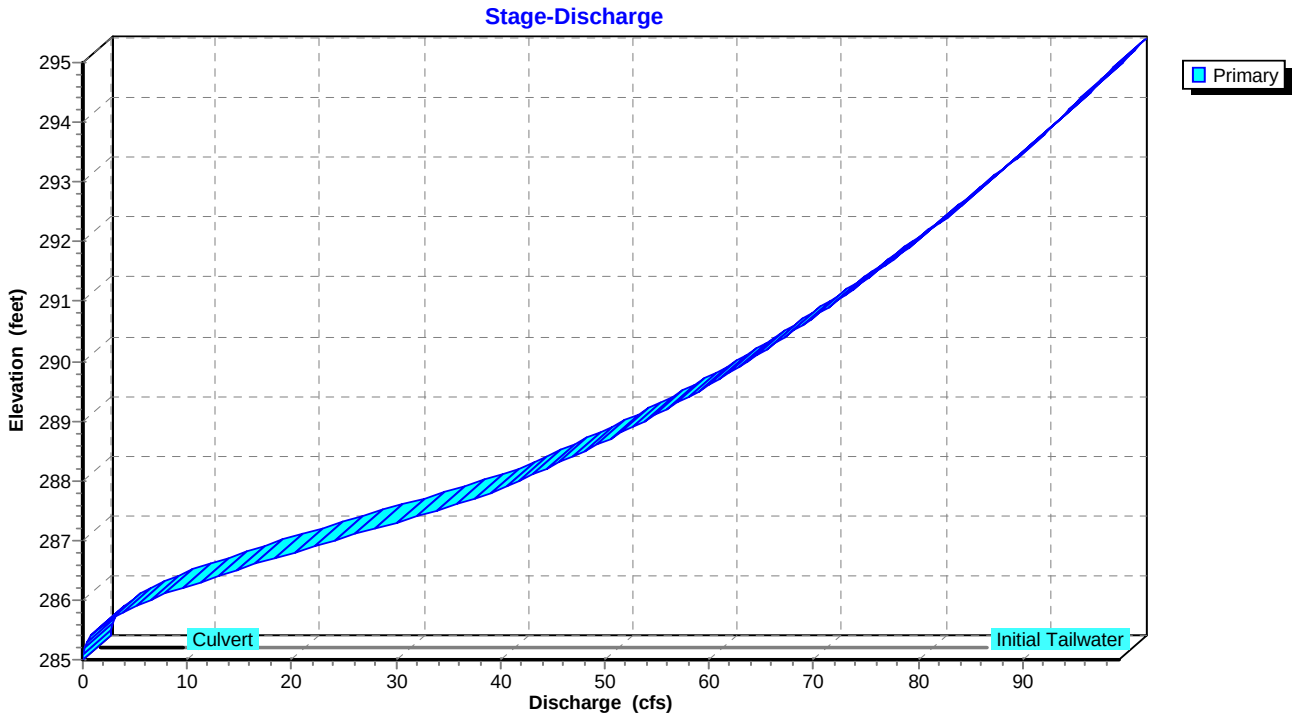
Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.52 cfs @ 12.15 hrs HW=287.27' TW=285.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 29.52 cfs @ 5.13 fps)

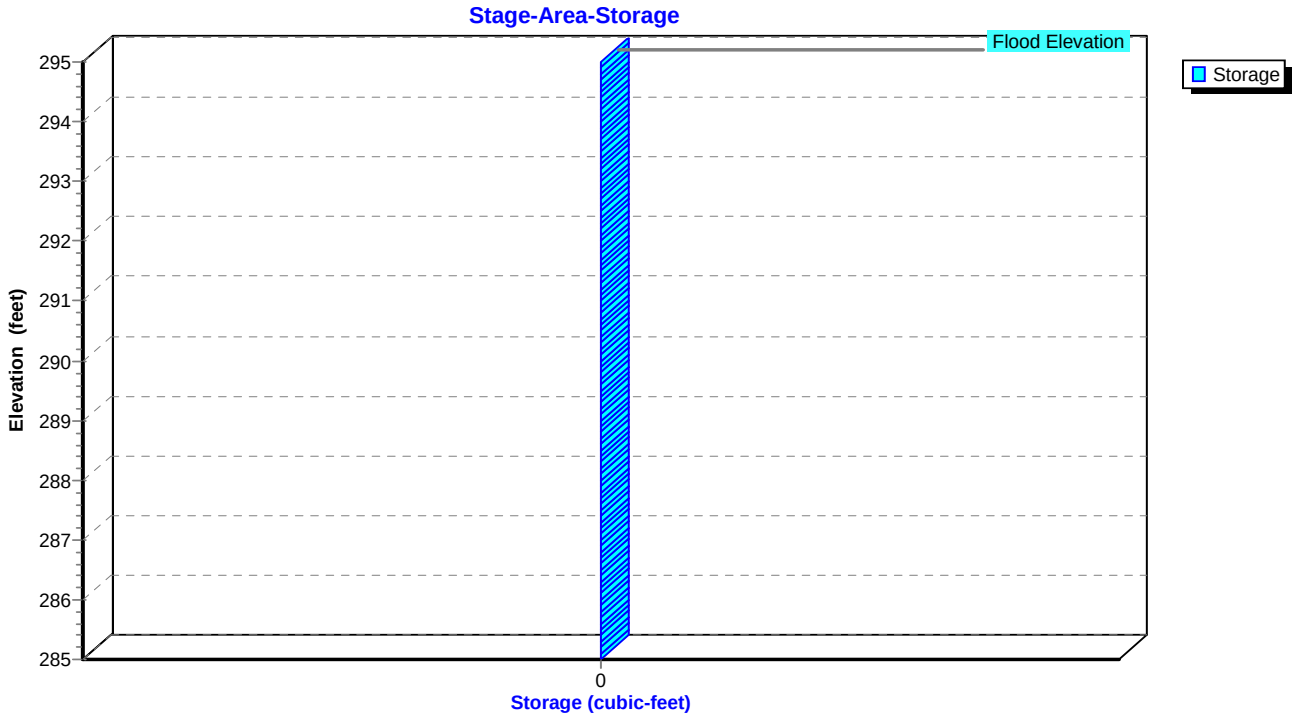
Pond MH1: (new Pond)



Pond MH1: (new Pond)



Pond MH1: (new Pond)



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.00	0.00
5.50	0.00	285.00	0.00
6.00	0.00	285.00	0.00
6.50	0.00	285.00	0.00
7.00	0.00	285.02	0.00
7.50	0.01	285.07	0.01
8.00	0.04	285.13	0.04
8.50	0.12	285.19	0.12
9.00	0.27	285.26	0.27
9.50	0.47	285.33	0.47
10.00	0.72	285.40	0.72
10.50	1.11	285.47	1.11
11.00	1.64	285.56	1.64
11.50	2.93	285.72	2.93
12.00	**18.70**	**286.72**	**18.70**
12.50	**15.78**	**286.57**	**15.78**
13.00	5.33	285.94	5.33
13.50	3.66	285.79	3.66
14.00	2.99	285.73	2.99
14.50	2.55	285.68	2.55
15.00	2.25	285.64	2.25
15.50	1.93	285.60	1.93
16.00	1.61	285.56	1.61
16.50	1.40	285.52	1.40
17.00	1.26	285.50	1.26
17.50	1.12	285.48	1.12
18.00	0.98	285.45	0.98
18.50	0.90	285.43	0.90
19.00	0.86	285.43	0.86
19.50	0.81	285.42	0.81
20.00	0.77	285.41	0.77
20.50	0.74	285.40	0.74
21.00	0.71	285.39	0.71
21.50	0.67	285.39	0.67
22.00	0.64	285.38	0.64
22.50	0.61	285.37	0.61
23.00	0.58	285.36	0.58
23.50	0.54	285.35	0.54
24.00	0.51	285.34	0.51

Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.19' Inflow=4.71 cfs 0.554 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=4.71 cfs 0.554 af

Pond CB10: Catchbasin Peak Elev=311.11' Inflow=26.82 cfs 3.041 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=26.82 cfs 3.041 af

Pond CB10-1: CB1-1 Peak Elev=312.75' Inflow=2.68 cfs 0.161 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.68 cfs 0.161 af

Pond CB11: Catchbasin Peak Elev=299.70' Inflow=28.65 cfs 3.193 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=28.65 cfs 3.193 af

Pond CB11-1: CB1-1 Peak Elev=302.84' Inflow=1.87 cfs 0.153 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.87 cfs 0.153 af

Pond CB12: Catchbasin Peak Elev=298.89' Inflow=32.38 cfs 3.501 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=32.38 cfs 3.501 af

Pond CB12-1: CB1-1 Peak Elev=300.76' Inflow=4.04 cfs 0.308 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=4.04 cfs 0.308 af

Pond CB13: Catchbasin Peak Elev=296.51' Inflow=34.68 cfs 3.697 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=34.68 cfs 3.697 af

Pond CB13-1: CB1-1 Peak Elev=297.18' Inflow=2.30 cfs 0.195 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.30 cfs 0.195 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.92' Inflow=9.95 cfs 1.121 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=9.95 cfs 1.121 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=343.13' Inflow=12.24 cfs 1.370 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=12.24 cfs 1.370 af

Pond CB4: Catchbasin Peak Elev=333.46' Inflow=16.29 cfs 1.861 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=16.29 cfs 1.861 af

Pond CB4-1: CB1-1 Peak Elev=337.16' Inflow=16.29 cfs 1.861 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=16.29 cfs 1.861 af

Pond CB5: Catchbasin Peak Elev=332.28' Inflow=16.71 cfs 1.932 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=16.71 cfs 1.932 af

Pond CB5-1: CB1-1 Peak Elev=334.44' Inflow=1.20 cfs 0.071 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.20 cfs 0.071 af

Pond CB6: Catchbasin Peak Elev=331.07' Inflow=20.12 cfs 2.251 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=20.12 cfs 2.251 af

Pond CB6-1: CB1-1 Peak Elev=336.91' Inflow=3.55 cfs 0.319 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.55 cfs 0.319 af

Pond CB7: Catchbasin Peak Elev=329.76' Inflow=23.04 cfs 2.544 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=23.04 cfs 2.544 af

Pond CB7-1: CB1-1 Peak Elev=335.46' Inflow=3.80 cfs 0.292 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.80 cfs 0.292 af

Pond CB8: Catchbasin Peak Elev=328.26' Inflow=23.88 cfs 2.674 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=23.88 cfs 2.674 af

Pond CB8-1: CB1-1 Peak Elev=330.90' Inflow=2.17 cfs 0.130 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.17 cfs 0.130 af

Pond CB9: Catchbasin Peak Elev=321.05' Inflow=25.73 cfs 2.879 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=25.73 cfs 2.879 af

Pond CB9-1: CB1-1 Peak Elev=322.80' Inflow=2.96 cfs 0.206 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.96 cfs 0.206 af

Pond MH1: (new Pond) Peak Elev=287.54' Inflow=34.68 cfs 3.697 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=34.68 cfs 3.697 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

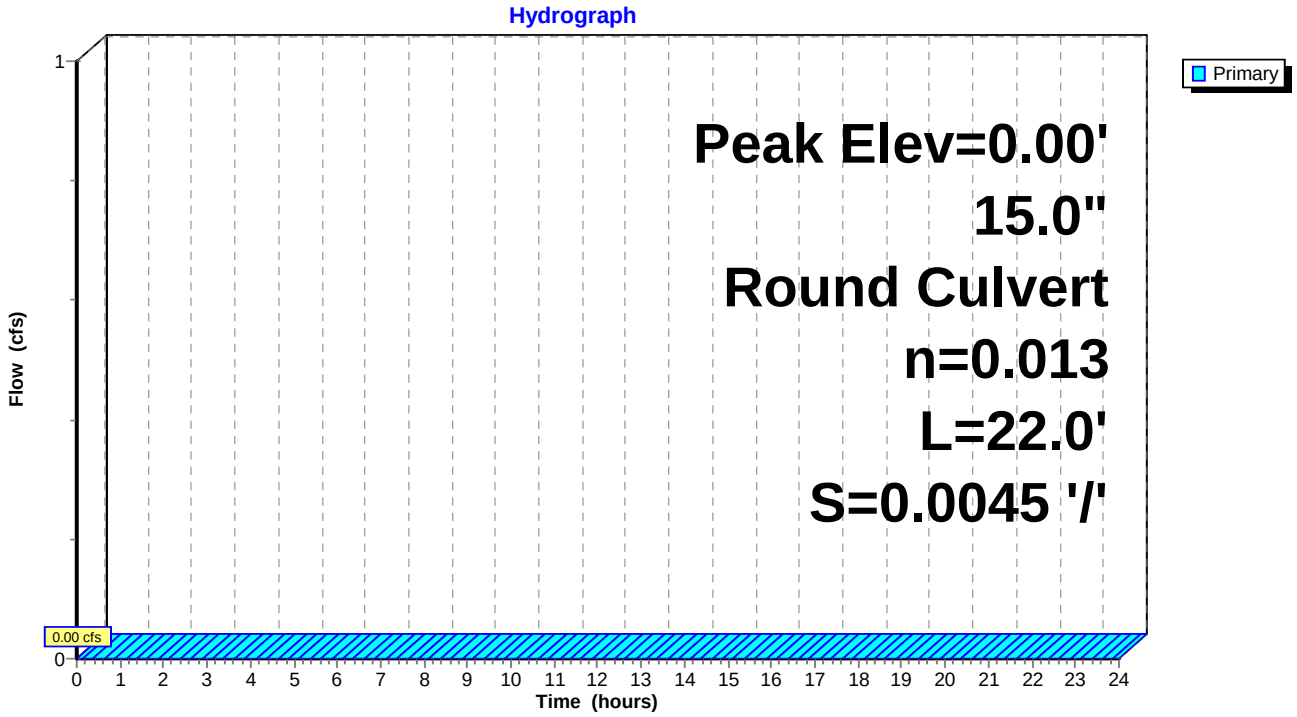
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

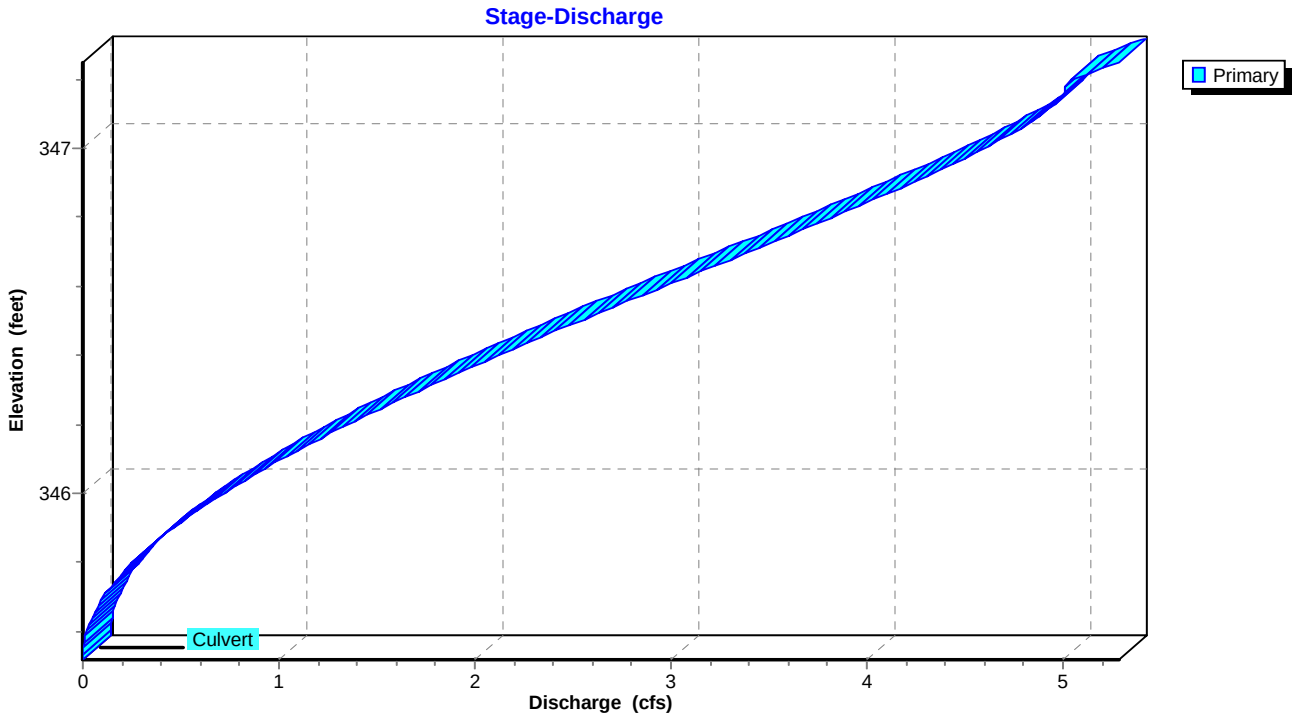
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

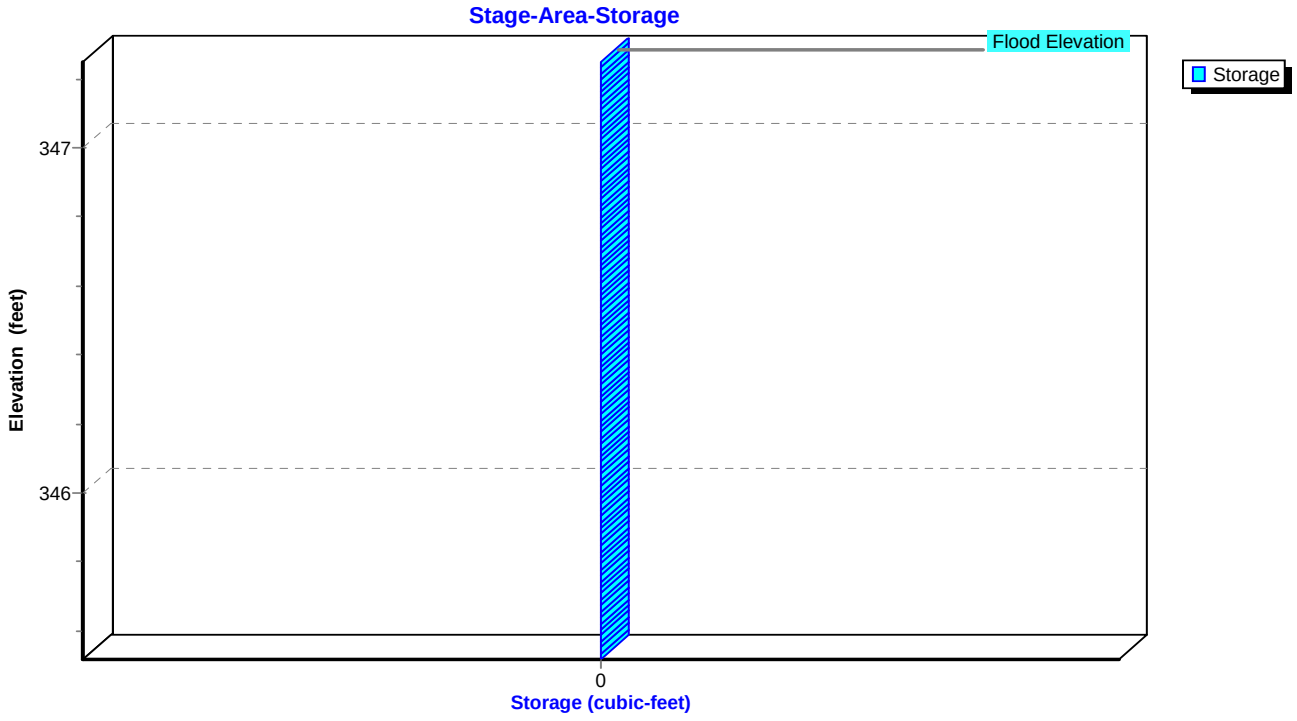
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

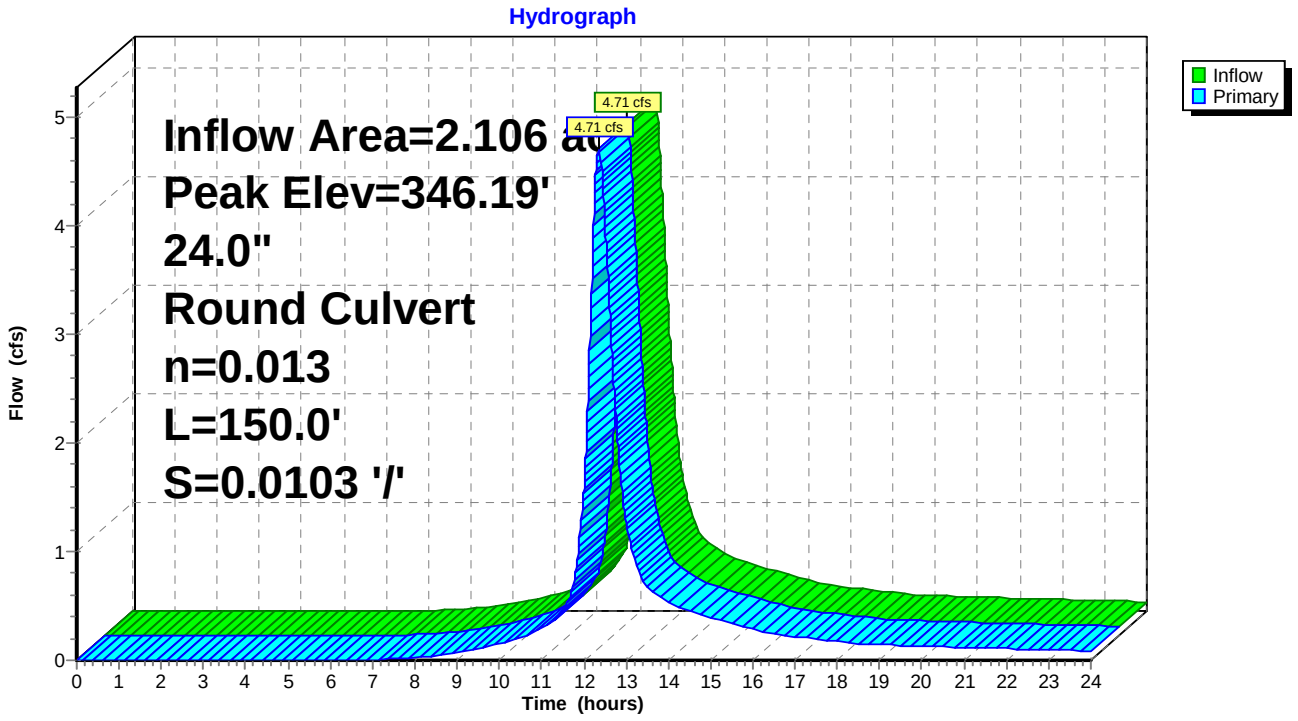
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 3.16" for 10-Year event
Inflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af
Outflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af, Atten= 0%, Lag= 0.0 min
Primary = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.19' @ 12.34 hrs
Flood Elev= 348.80'

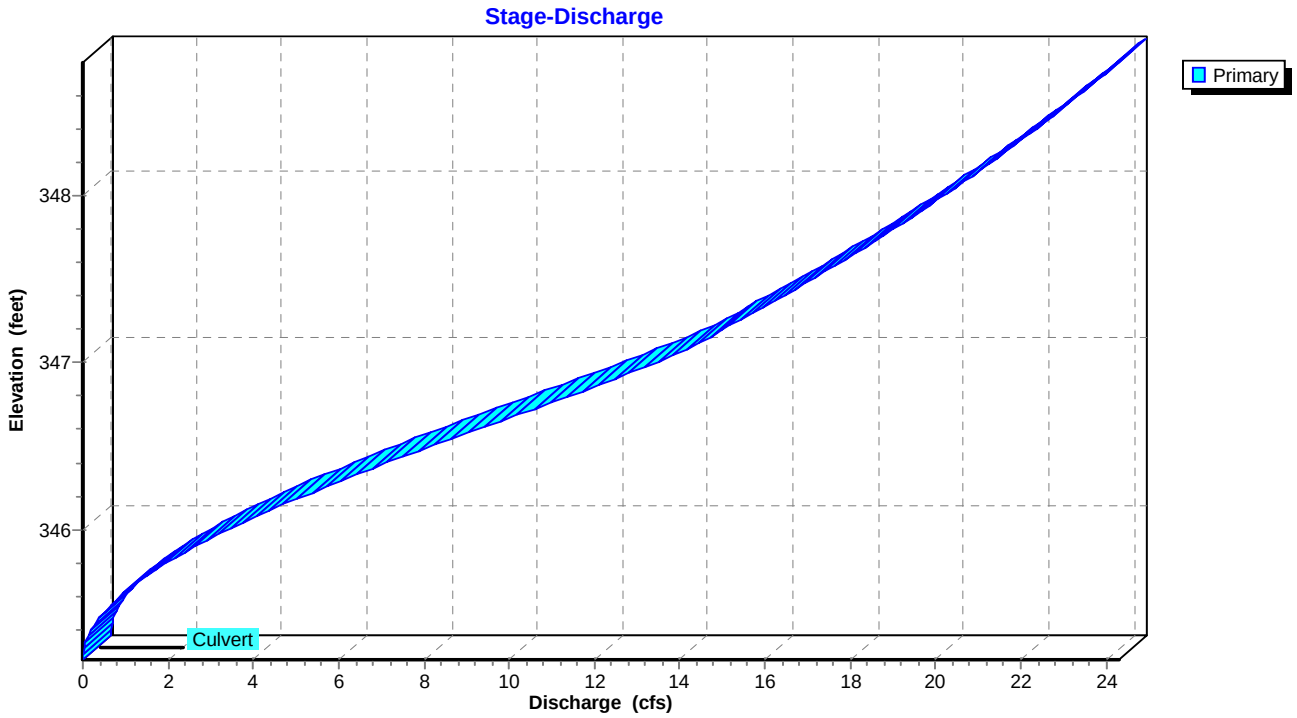
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=4.72 cfs @ 12.34 hrs HW=346.19' TW=344.90' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.72 cfs @ 4.55 fps)

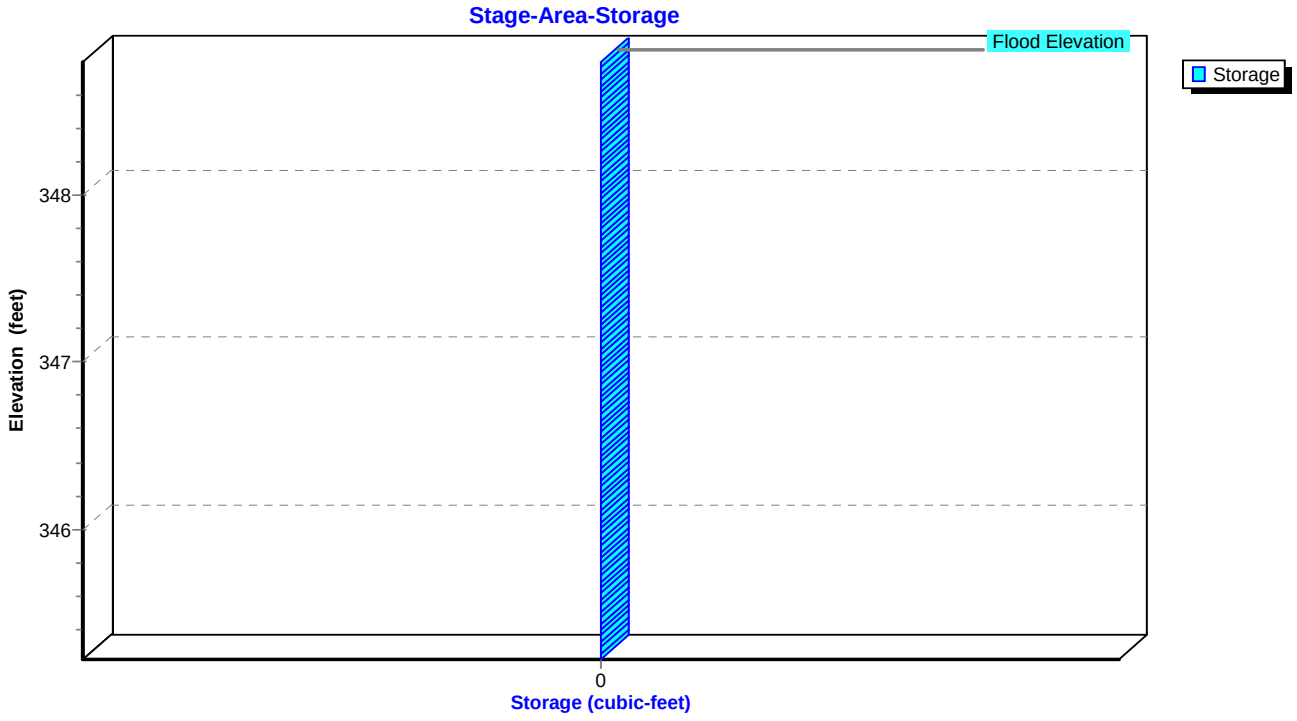
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.24	0.00
7.50	0.01	345.27	0.01
8.00	0.03	345.29	0.03
8.50	0.04	345.31	0.04
9.00	0.07	345.33	0.07
9.50	0.11	345.35	0.11
10.00	0.15	345.38	0.15
10.50	0.21	345.40	0.21
11.00	0.30	345.44	0.30
11.50	0.46	345.49	0.46
12.00	**1.58**	**345.74**	**1.58**
12.50	**4.06**	**346.09**	**4.06**
13.00	1.27	345.68	1.27
13.50	0.68	345.55	0.68
14.00	0.54	345.52	0.54
14.50	0.45	345.49	0.45
15.00	0.39	345.47	0.39
15.50	0.34	345.45	0.34
16.00	0.29	345.44	0.29
16.50	0.24	345.42	0.24
17.00	0.22	345.41	0.22
17.50	0.19	345.40	0.19
18.00	0.17	345.39	0.17
18.50	0.15	345.38	0.15
19.00	0.14	345.37	0.14
19.50	0.14	345.37	0.14
20.00	0.13	345.36	0.13
20.50	0.12	345.36	0.12
21.00	0.12	345.36	0.12
21.50	0.11	345.36	0.11
22.00	0.11	345.35	0.11
22.50	0.10	345.35	0.10
23.00	0.10	345.35	0.10
23.50	0.09	345.34	0.09
24.00	0.09	345.34	0.09

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.22	**0**	347.77	0
345.27	0	347.82	0
345.32	0	347.87	0
345.37	0	347.92	0
345.42	0	347.97	0
345.47	0	348.02	0
345.52	0	348.07	0
345.57	0	348.12	0
345.62	0	348.17	0
345.67	0	348.22	0
345.72	0	348.27	0
345.77	0	348.32	0
345.82	0	348.37	0
345.87	0	348.42	0
345.92	0	348.47	0
345.97	0	348.52	0
346.02	0	348.57	0
346.07	0	348.62	0
346.12	0	348.67	0
346.17	0	348.72	0
346.22	0	348.77	0
346.27	0		
346.32	0		
346.37	0		
346.42	0		
346.47	0		
346.52	0		
346.57	0		
346.62	0		
346.67	0		
346.72	0		
346.77	0		
346.82	0		
346.87	0		
346.92	0		
346.97	0		
347.02	0		
347.07	0		
347.12	0		
347.17	0		
347.22	0		
347.27	0		
347.32	0		
347.37	0		
347.42	0		
347.47	0		
347.52	0		
347.57	0		
347.62	0		
347.67	0		
347.72	0		

Summary for Pond CB10: Catchbasin

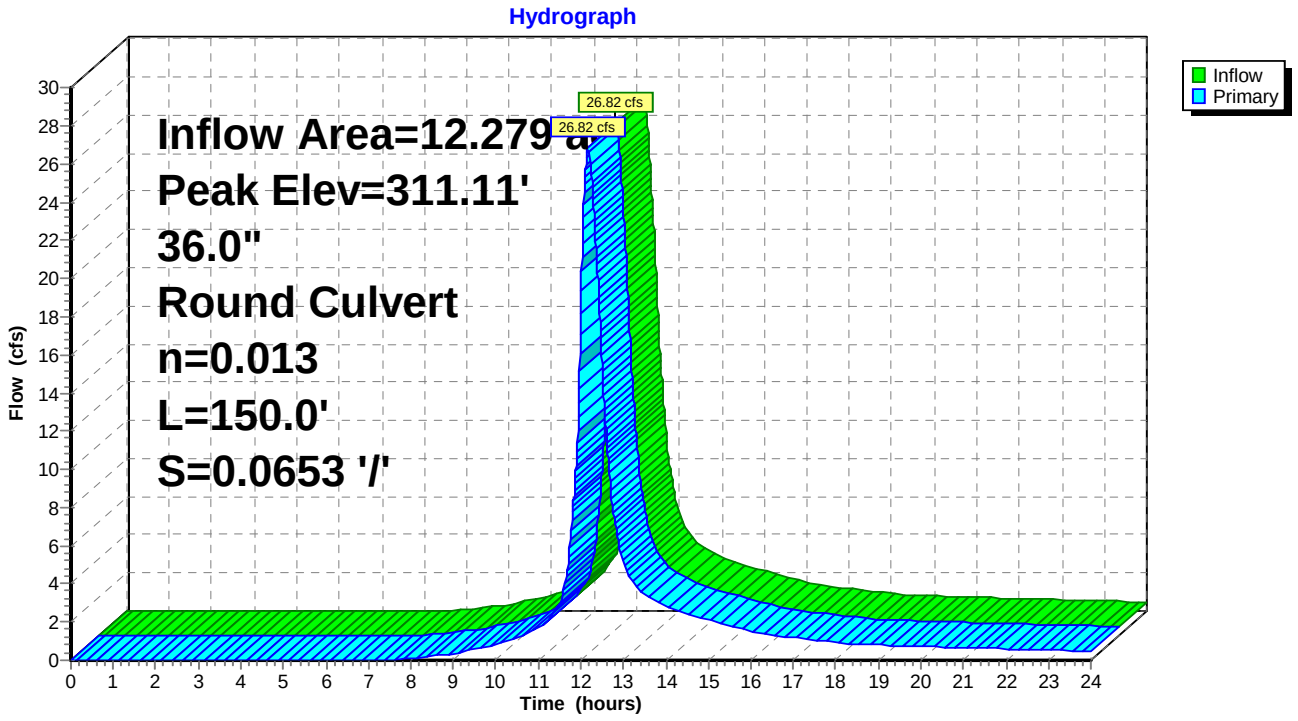
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af
Outflow = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af, Atten= 0%, Lag= 0.0 min
Primary = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.11' @ 12.16 hrs
Flood Elev= 313.50'

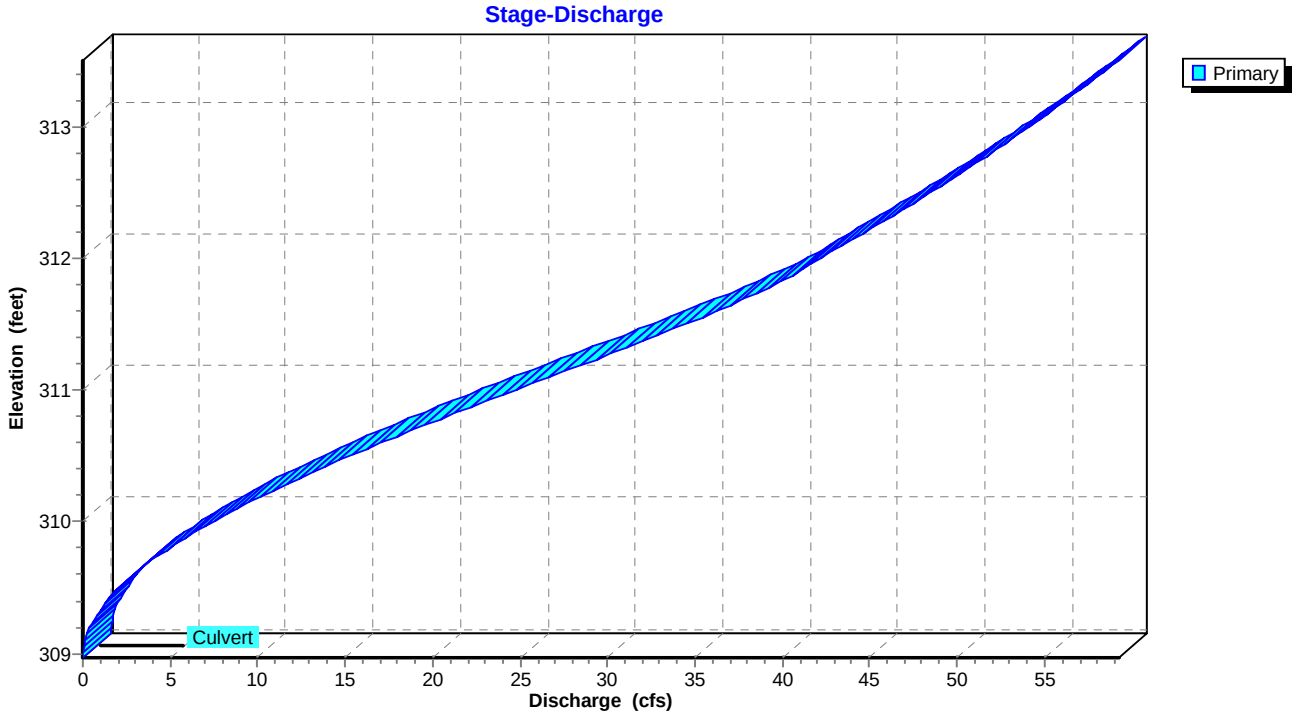
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.81 cfs @ 12.16 hrs HW=311.11' TW=299.70' (Dynamic Tailwater)
1=Culvert (Inlet Controls 26.81 cfs @ 4.98 fps)

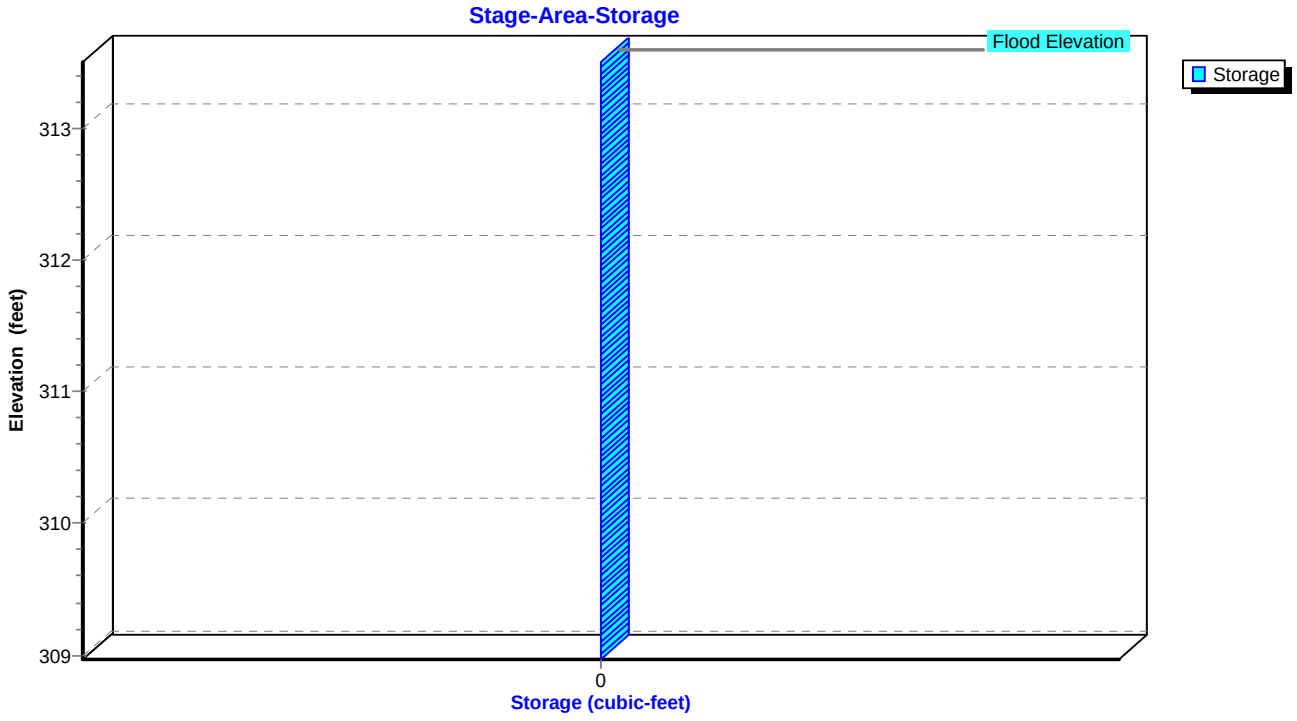
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.01	309.00	0.01
7.50	0.03	309.03	0.03
8.00	0.09	309.08	0.09
8.50	0.20	309.13	0.20
9.00	0.35	309.18	0.35
9.50	0.56	309.24	0.56
10.00	0.81	309.30	0.81
10.50	1.19	309.37	1.19
11.00	1.71	309.45	1.71
11.50	2.95	309.60	2.95
12.00	**18.21**	**310.66**	**18.21**
12.50	**15.56**	**310.52**	**15.56**
13.00	5.17	309.82	5.17
13.50	3.46	309.66	3.46
14.00	2.82	309.59	2.82
14.50	2.40	309.54	2.40
15.00	2.11	309.50	2.11
15.50	1.82	309.46	1.82
16.00	1.52	309.42	1.52
16.50	1.32	309.39	1.32
17.00	1.18	309.37	1.18
17.50	1.05	309.34	1.05
18.00	0.92	309.32	0.92
18.50	0.84	309.30	0.84
19.00	0.80	309.29	0.80
19.50	0.76	309.29	0.76
20.00	0.72	309.28	0.72
20.50	0.69	309.27	0.69
21.00	0.66	309.26	0.66
21.50	0.63	309.26	0.63
22.00	0.60	309.25	0.60
22.50	0.57	309.24	0.57
23.00	0.54	309.24	0.54
23.50	0.51	309.23	0.51
24.00	0.48	309.22	0.48

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

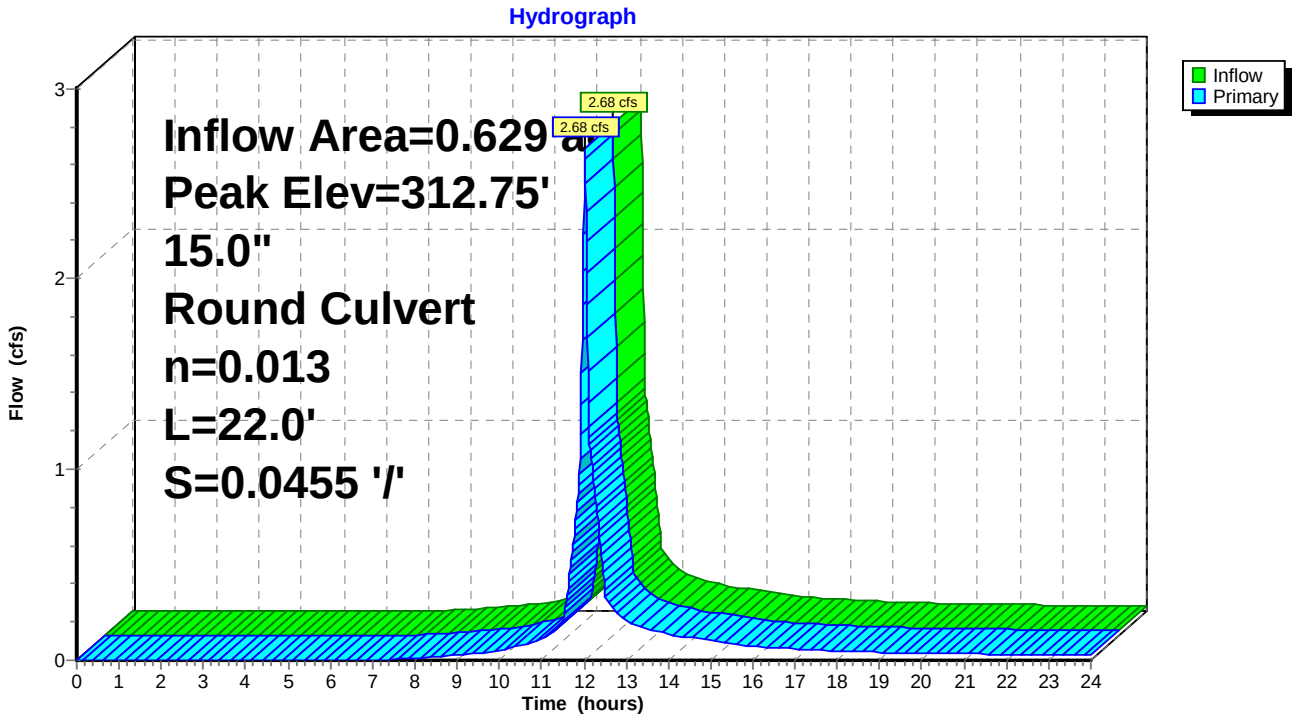
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.08" for 10-Year event
Inflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af
Outflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.75' @ 12.02 hrs
Flood Elev= 314.50'

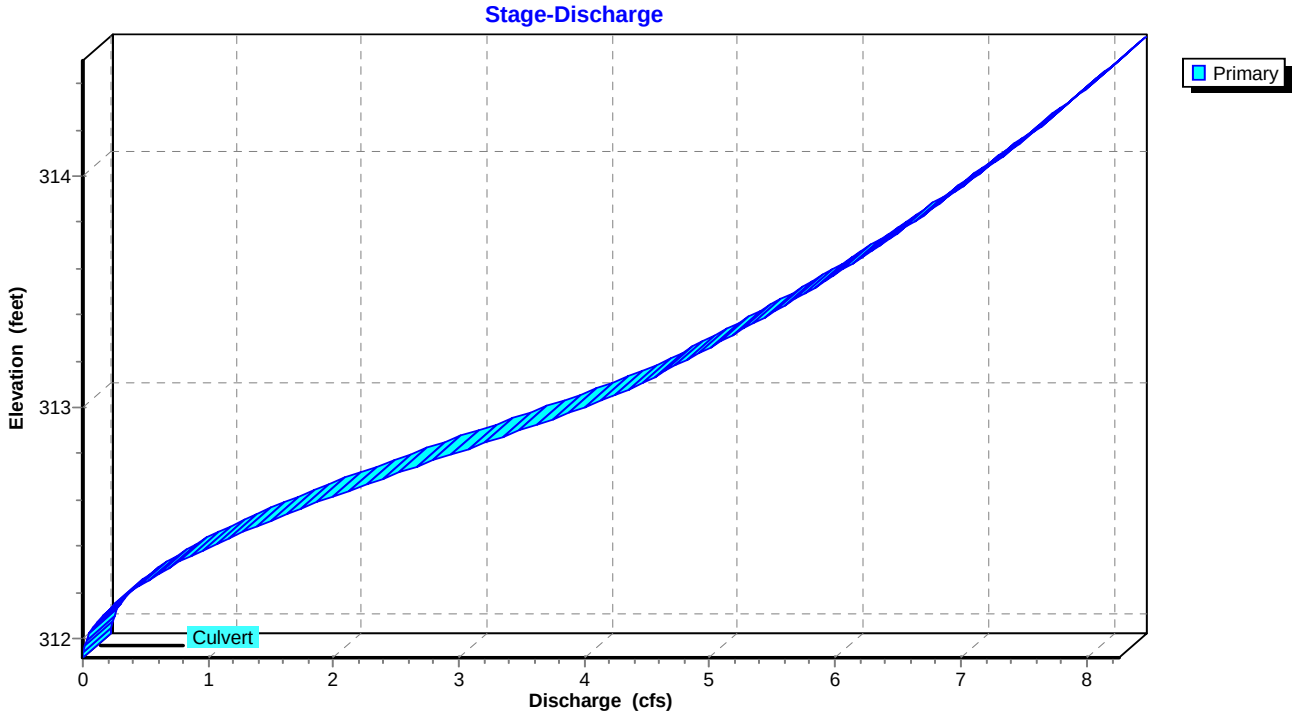
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.68 cfs @ 12.02 hrs HW=312.75' TW=310.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.68 cfs @ 3.10 fps)

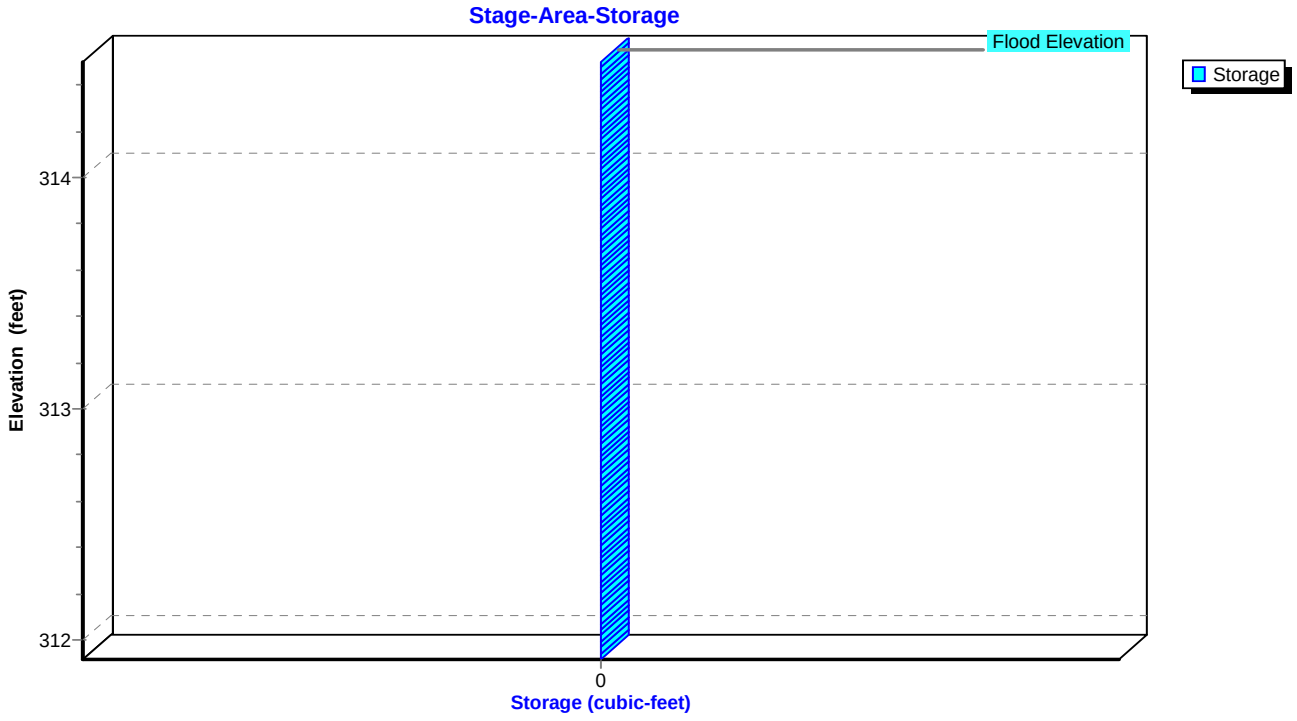
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.93	0.00
7.50	0.00	311.95	0.00
8.00	0.01	311.96	0.01
8.50	0.02	311.98	0.02
9.00	0.03	311.99	0.03
9.50	0.04	312.01	0.04
10.00	0.05	312.02	0.05
10.50	0.08	312.04	0.08
11.00	0.11	312.07	0.11
11.50	0.20	312.12	0.20
12.00	**2.42**	**312.70**	**2.42**
12.50	**0.36**	**312.20**	**0.36**
13.00	0.20	312.12	0.20
13.50	0.17	312.10	0.17
14.00	0.13	312.09	0.13
14.50	0.12	312.08	0.12
15.00	0.10	312.07	0.10
15.50	0.09	312.05	0.09
16.00	0.07	312.04	0.07
16.50	0.07	312.04	0.07
17.00	0.06	312.03	0.06
17.50	0.05	312.02	0.05
18.00	0.05	312.02	0.05
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.04	312.01	0.04
20.00	0.04	312.01	0.04
20.50	0.04	312.00	0.04
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	312.00	0.03
22.50	0.03	312.00	0.03
23.00	0.03	311.99	0.03
23.50	0.03	311.99	0.03
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

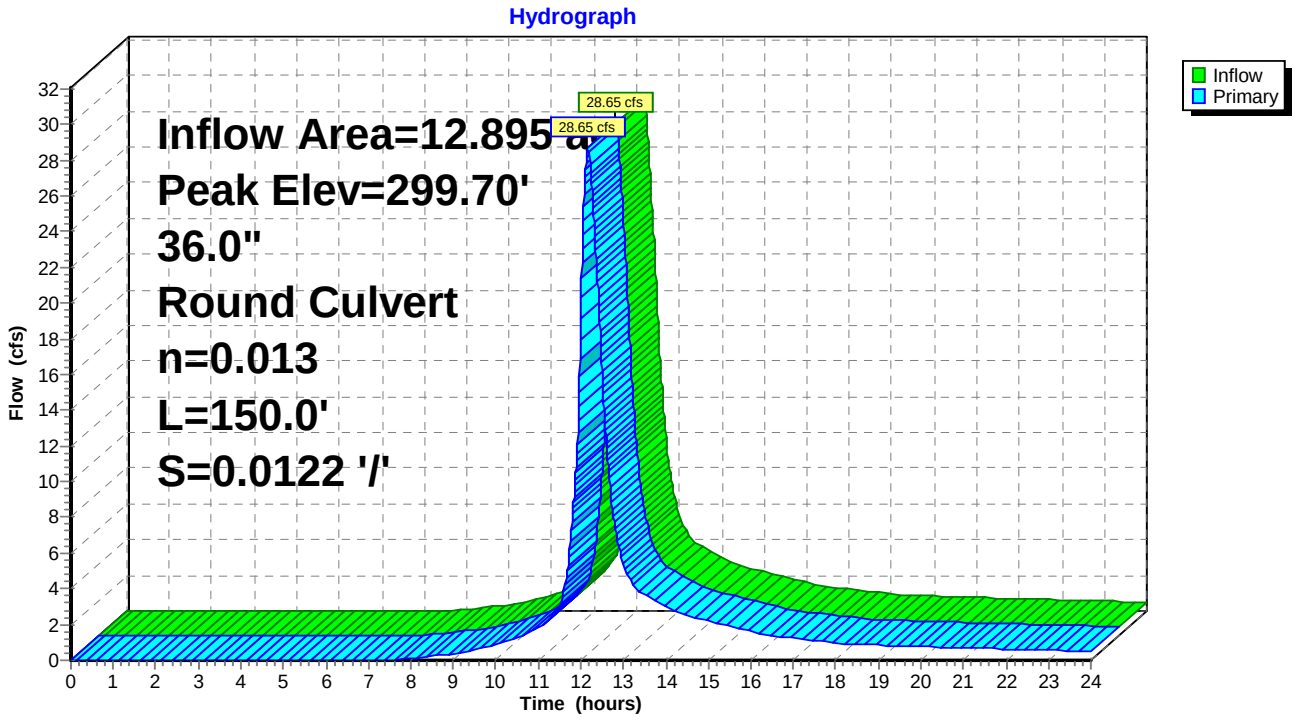
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af
Outflow = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af, Atten= 0%, Lag= 0.0 min
Primary = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.70' @ 12.16 hrs
Flood Elev= 304.00'

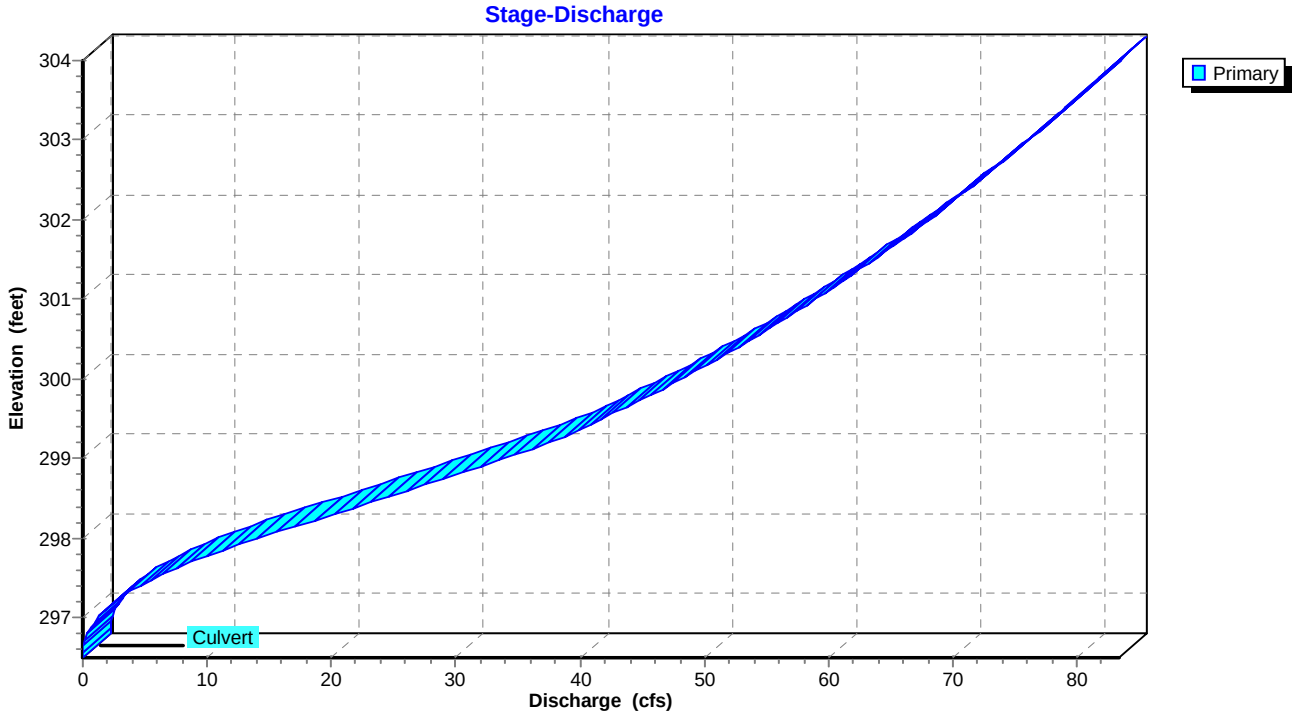
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.74 cfs @ 12.16 hrs HW=299.70' TW=298.89' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 28.74 cfs @ 4.74 fps)

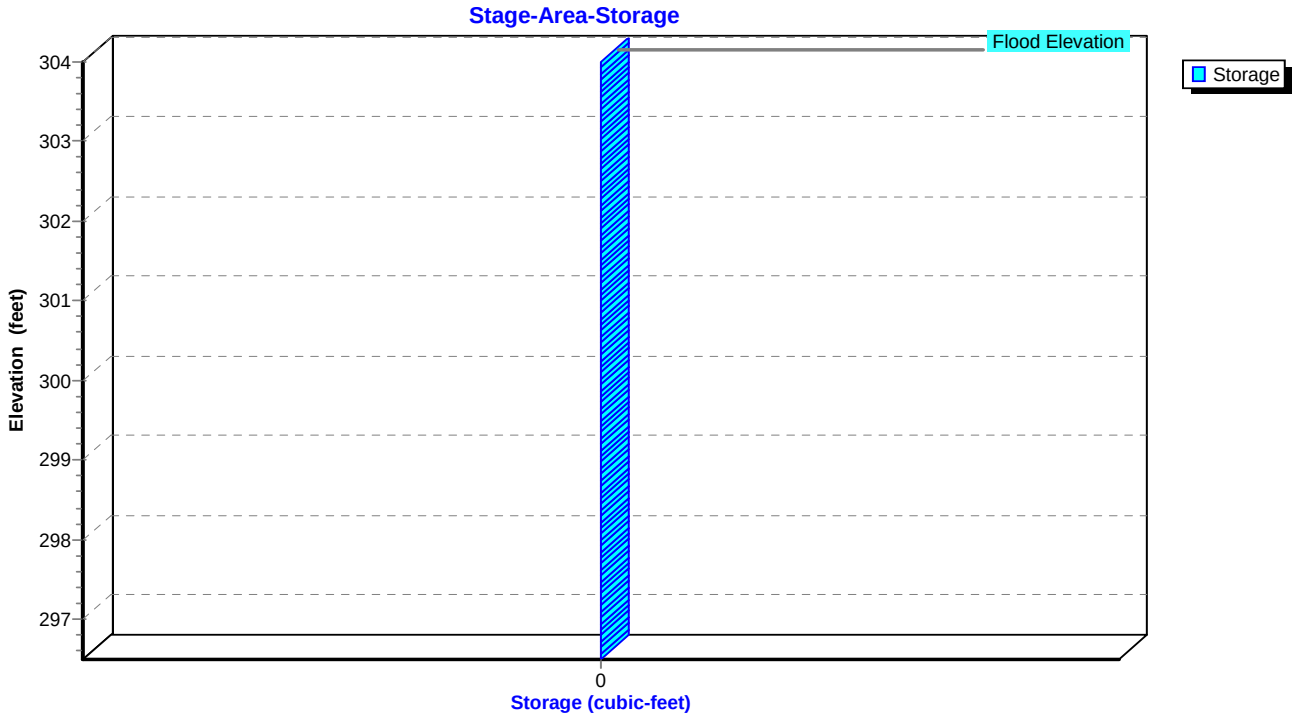
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.50	0.00
5.50	0.00	296.50	0.00
6.00	0.00	296.50	0.00
6.50	0.00	296.51	0.00
7.00	0.01	296.57	0.01
7.50	0.03	296.63	0.03
8.00	0.10	296.71	0.10
8.50	0.21	296.79	0.21
9.00	0.37	296.87	0.37
9.50	0.59	296.95	0.59
10.00	0.85	297.04	0.85
10.50	1.25	297.14	1.25
11.00	1.80	297.25	1.80
11.50	3.11	297.47	3.11
12.00	**19.11**	**298.93**	**19.11**
12.50	**16.20**	**298.75**	**16.20**
13.00	5.39	297.77	5.39
13.50	3.63	297.55	3.63
14.00	2.96	297.45	2.96
14.50	2.52	297.38	2.52
15.00	2.21	297.33	2.21
15.50	1.90	297.27	1.90
16.00	1.59	297.21	1.59
16.50	1.38	297.17	1.38
17.00	1.24	297.14	1.24
17.50	1.10	297.10	1.10
18.00	0.96	297.07	0.96
18.50	0.88	297.05	0.88
19.00	0.84	297.03	0.84
19.50	0.80	297.02	0.80
20.00	0.76	297.01	0.76
20.50	0.72	297.00	0.72
21.00	0.69	296.99	0.69
21.50	0.66	296.98	0.66
22.00	0.63	296.97	0.63
22.50	0.60	296.96	0.60
23.00	0.56	296.95	0.56
23.50	0.53	296.94	0.53
24.00	0.50	296.93	0.50

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

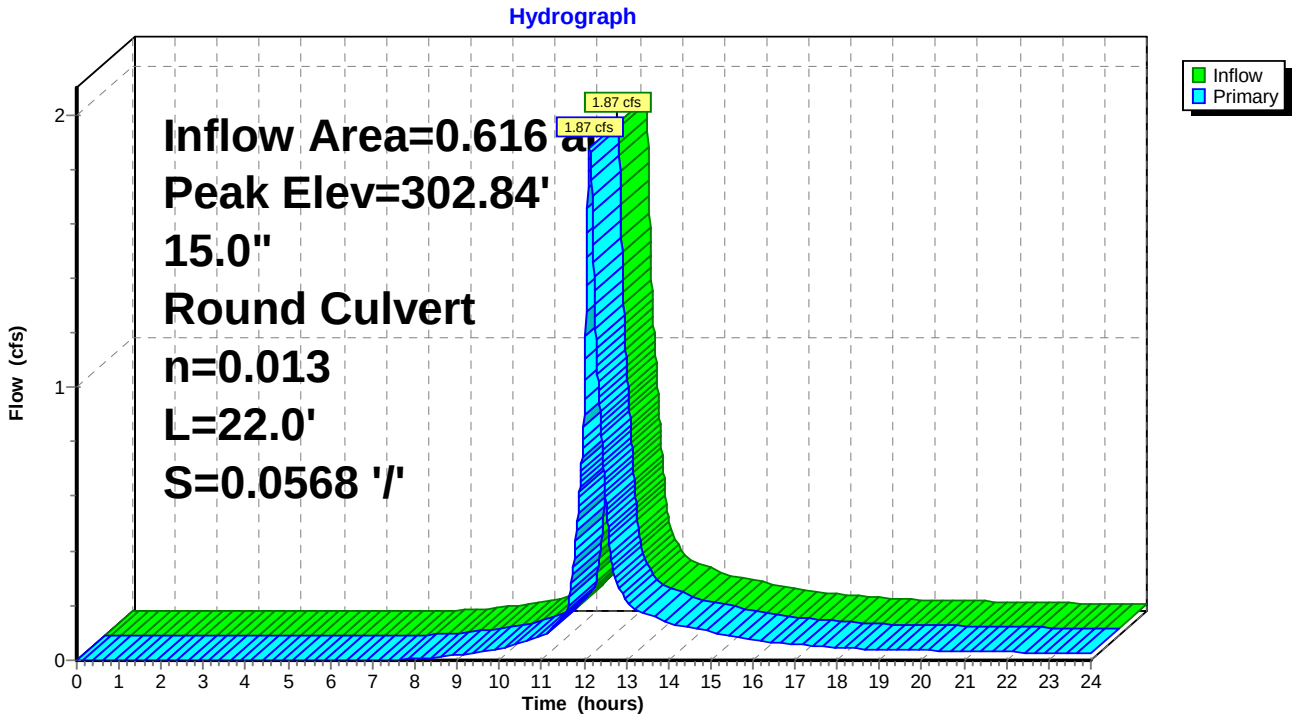
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af
Outflow = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.84' @ 12.14 hrs
Flood Elev= 304.80'

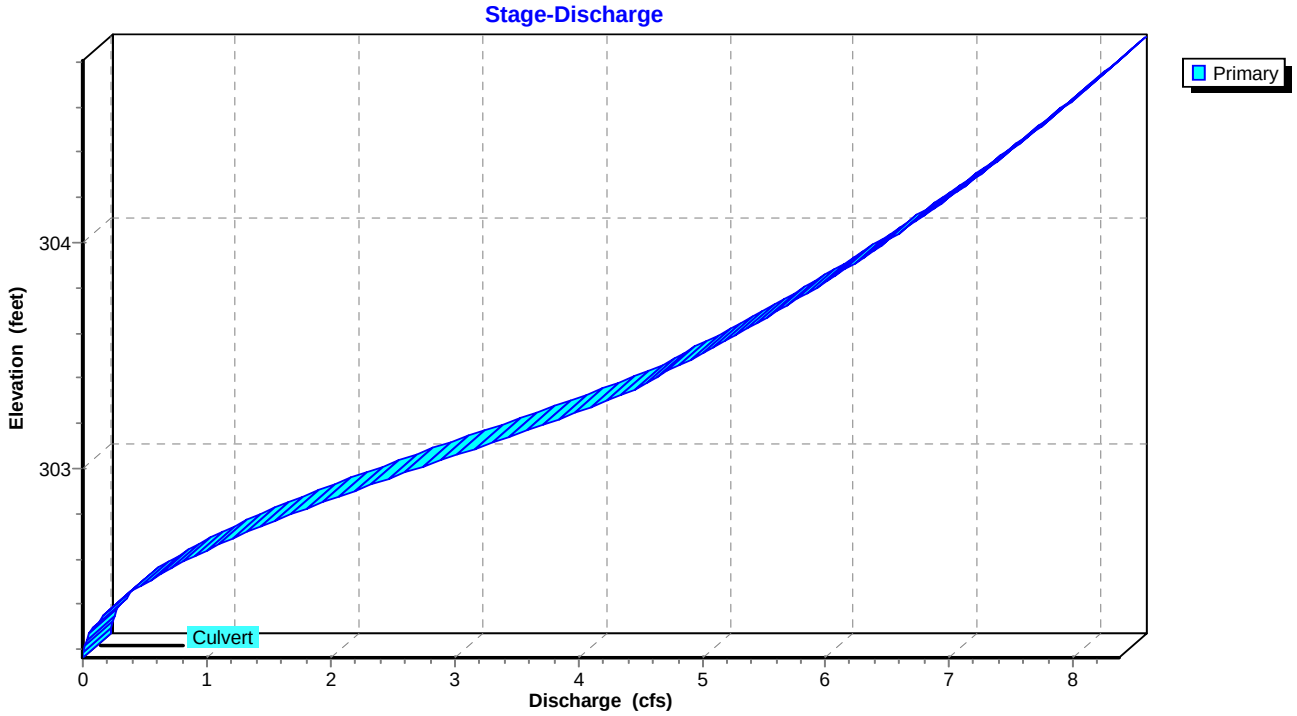
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.87 cfs @ 12.14 hrs HW=302.84' TW=299.69' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.87 cfs @ 2.79 fps)

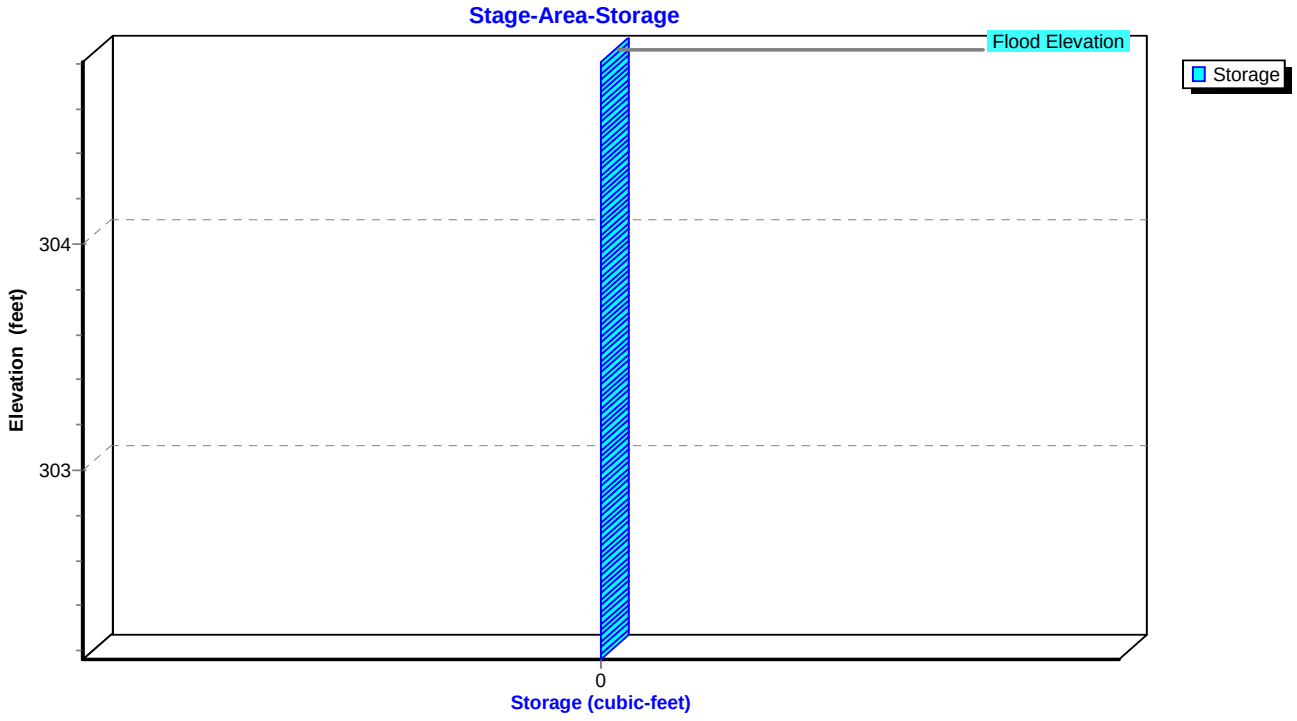
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.19	0.00
8.00	0.01	302.20	0.01
8.50	0.01	302.22	0.01
9.00	0.02	302.23	0.02
9.50	0.03	302.25	0.03
10.00	0.04	302.26	0.04
10.50	0.06	302.28	0.06
11.00	0.09	302.31	0.09
11.50	0.16	302.35	0.16
12.00	**0.90**	**302.62**	**0.90**
12.50	**0.64**	**302.54**	**0.64**
13.00	0.22	302.39	0.22
13.50	0.17	302.36	0.17
14.00	0.14	302.34	0.14
14.50	0.12	302.33	0.12
15.00	0.10	302.32	0.10
15.50	0.09	302.30	0.09
16.00	0.07	302.29	0.07
16.50	0.07	302.28	0.07
17.00	0.06	302.28	0.06
17.50	0.05	302.27	0.05
18.00	0.05	302.27	0.05
18.50	0.04	302.26	0.04
19.00	0.04	302.26	0.04
19.50	0.04	302.26	0.04
20.00	0.04	302.26	0.04
20.50	0.03	302.25	0.03
21.00	0.03	302.25	0.03
21.50	0.03	302.25	0.03
22.00	0.03	302.25	0.03
22.50	0.03	302.25	0.03
23.00	0.03	302.24	0.03
23.50	0.03	302.24	0.03
24.00	0.02	302.24	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

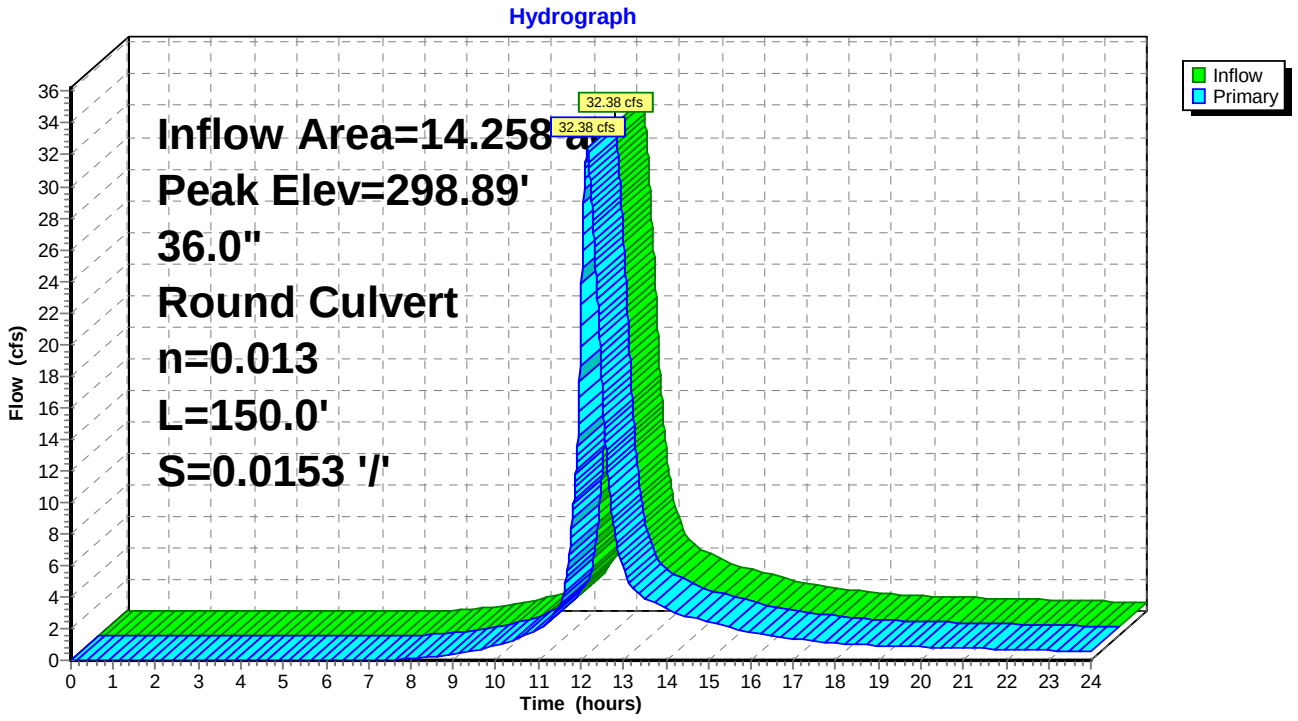
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 2.95" for 10-Year event
Inflow = 32.38 cfs @ 12.15 hrs, Volume= 3.501 af
Outflow = 32.38 cfs @ 12.15 hrs, Volume= 3.501 af, Atten= 0%, Lag= 0.0 min
Primary = 32.38 cfs @ 12.15 hrs, Volume= 3.501 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.89' @ 12.15 hrs
Flood Elev= 301.50'

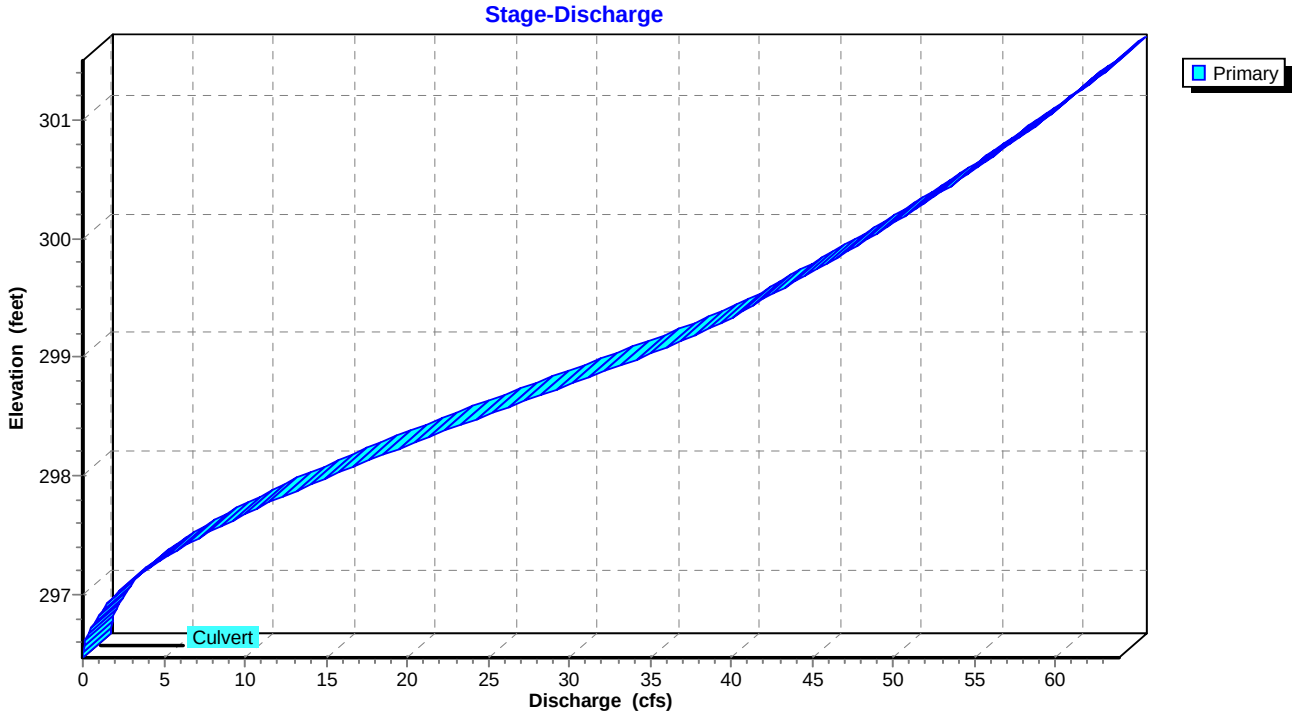
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=32.37 cfs @ 12.15 hrs HW=298.89' TW=296.51' (Dynamic Tailwater)
1=Culvert (Inlet Controls 32.37 cfs @ 5.30 fps)

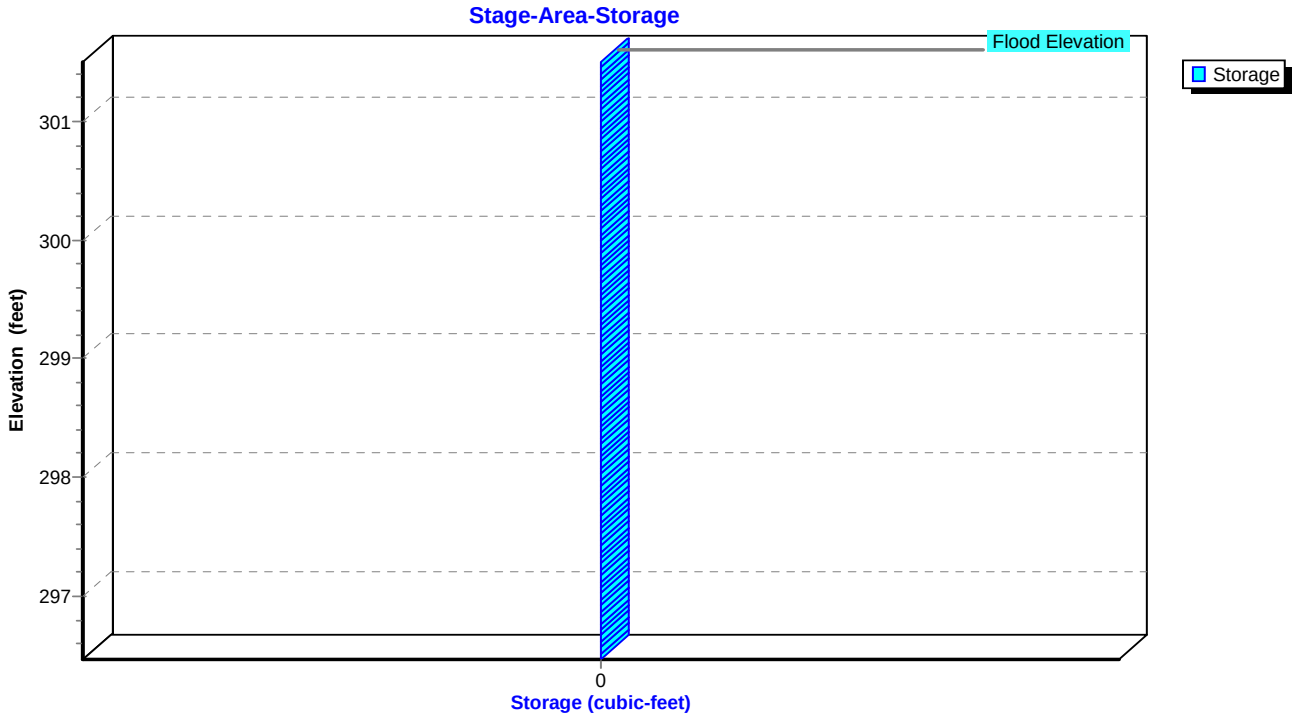
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.48	0.00
7.00	0.01	296.50	0.01
7.50	0.03	296.54	0.03
8.00	0.10	296.58	0.10
8.50	0.22	296.64	0.22
9.00	0.40	296.70	0.40
9.50	0.63	296.76	0.63
10.00	0.92	296.82	0.92
10.50	1.36	296.89	1.36
11.00	1.96	296.98	1.96
11.50	3.41	297.15	3.41
12.00	**21.16**	**298.32**	**21.16**
12.50	**17.37**	**298.12**	**17.37**
13.00	5.84	297.38	5.84
13.50	3.97	297.21	3.97
14.00	3.24	297.14	3.24
14.50	2.77	297.08	2.77
15.00	2.43	297.04	2.43
15.50	2.09	297.00	2.09
16.00	1.75	296.95	1.75
16.50	1.52	296.92	1.52
17.00	1.36	296.90	1.36
17.50	1.21	296.87	1.21
18.00	1.06	296.84	1.06
18.50	0.97	296.83	0.97
19.00	0.92	296.82	0.92
19.50	0.88	296.81	0.88
20.00	0.83	296.80	0.83
20.50	0.79	296.79	0.79
21.00	0.76	296.79	0.76
21.50	0.73	296.78	0.73
22.00	0.69	296.77	0.69
22.50	0.66	296.76	0.66
23.00	0.62	296.76	0.62
23.50	0.59	296.75	0.59
24.00	0.55	296.74	0.55

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

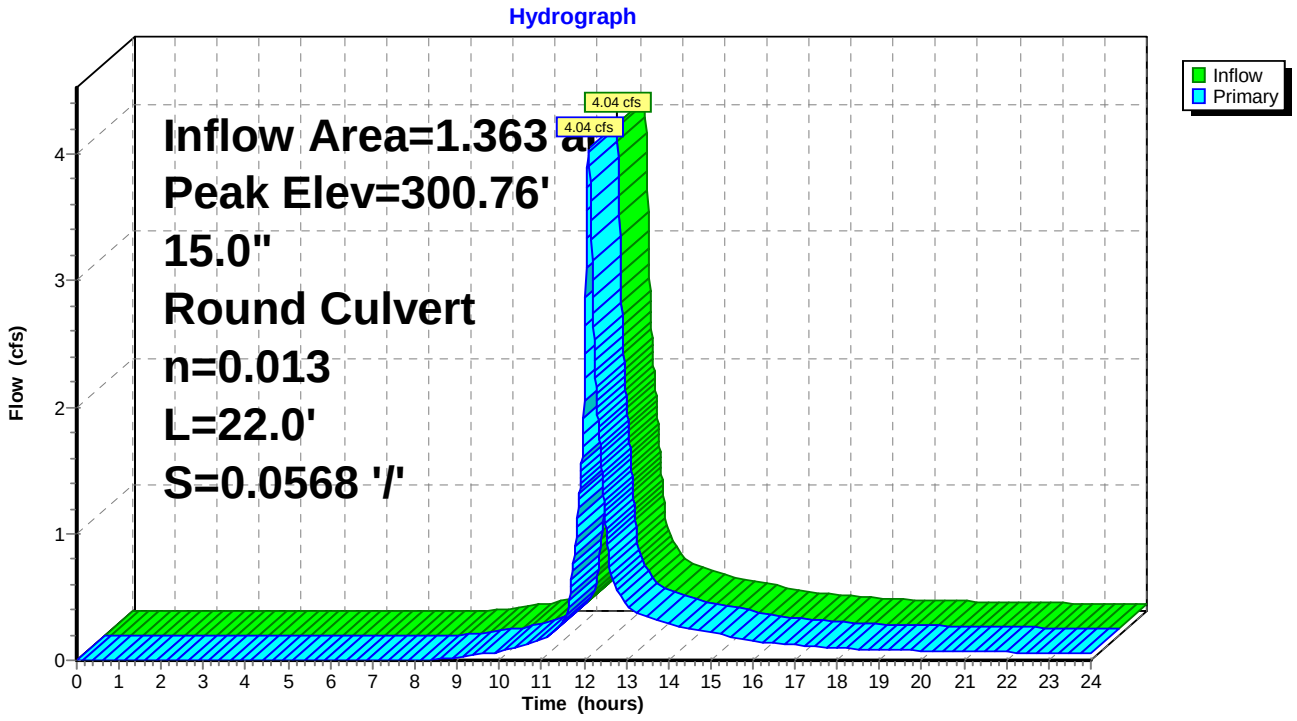
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 4.04 cfs @ 12.12 hrs, Volume= 0.308 af
Outflow = 4.04 cfs @ 12.12 hrs, Volume= 0.308 af, Atten= 0%, Lag= 0.0 min
Primary = 4.04 cfs @ 12.12 hrs, Volume= 0.308 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.76' @ 12.12 hrs
Flood Elev= 302.80'

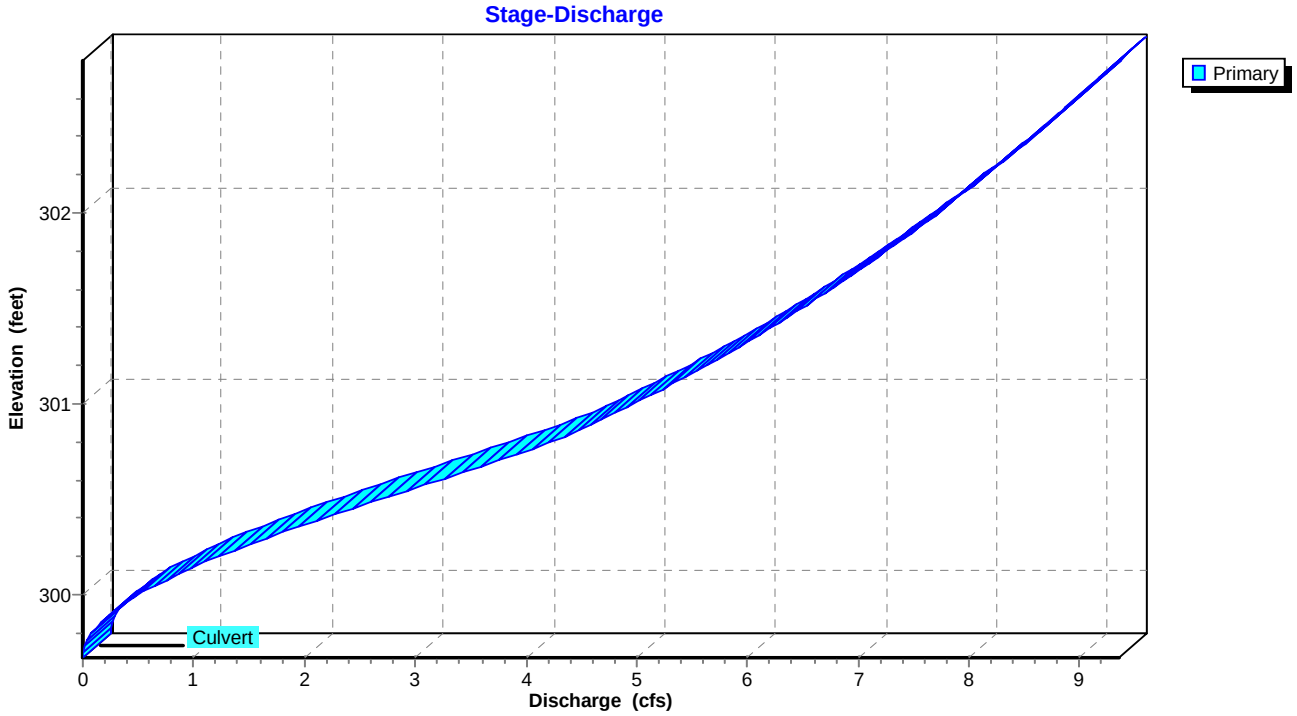
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.04 cfs @ 12.12 hrs HW=300.76' TW=298.86' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.04 cfs @ 3.56 fps)

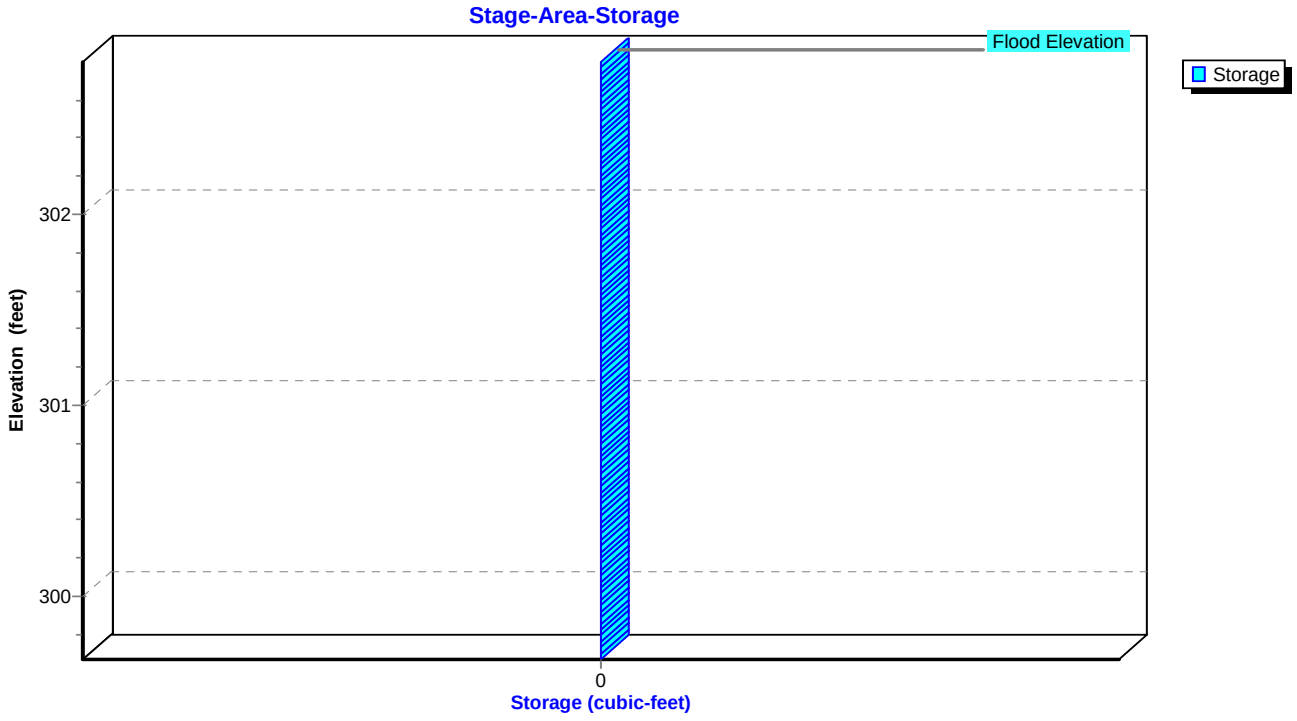
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.01	299.71	0.01
9.00	0.02	299.74	0.02
9.50	0.04	299.76	0.04
10.00	0.07	299.79	0.07
10.50	0.11	299.82	0.11
11.00	0.16	299.85	0.16
11.50	0.30	299.92	0.30
12.00	**2.06**	**300.38**	**2.06**
12.50	**1.17**	**300.19**	**1.17**
13.00	0.45	299.98	0.45
13.50	0.35	299.94	0.35
14.00	0.29	299.91	0.29
14.50	0.25	299.90	0.25
15.00	0.22	299.88	0.22
15.50	0.19	299.87	0.19
16.00	0.15	299.85	0.15
16.50	0.14	299.84	0.14
17.00	0.12	299.83	0.12
17.50	0.11	299.82	0.11
18.00	0.10	299.81	0.10
18.50	0.09	299.80	0.09
19.00	0.08	299.80	0.08
19.50	0.08	299.80	0.08
20.00	0.08	299.79	0.08
20.50	0.07	299.79	0.07
21.00	0.07	299.79	0.07
21.50	0.07	299.79	0.07
22.00	0.06	299.78	0.06
22.50	0.06	299.78	0.06
23.00	0.06	299.78	0.06
23.50	0.05	299.77	0.05
24.00	0.05	299.77	0.05

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	**9.33**
299.75	0.03	300.77	4.08	301.79	7.22		
299.77	0.05	300.79	4.18	301.81	7.27		
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	302.22	0
299.72	0	302.27	0
299.77	0	302.32	0
299.82	0	302.37	0
299.87	0	302.42	0
299.92	0	302.47	0
299.97	0	302.52	0
300.02	0	302.57	0
300.07	0	302.62	0
300.12	0	302.67	0
300.17	0	302.72	0
300.22	0	302.77	0
300.27	0		
300.32	0		
300.37	0		
300.42	0		
300.47	0		
300.52	0		
300.57	0		
300.62	0		
300.67	0		
300.72	0		
300.77	0		
300.82	0		
300.87	0		
300.92	0		
300.97	0		
301.02	0		
301.07	0		
301.12	0		
301.17	0		
301.22	0		
301.27	0		
301.32	0		
301.37	0		
301.42	0		
301.47	0		
301.52	0		
301.57	0		
301.62	0		
301.67	0		
301.72	0		
301.77	0		
301.82	0		
301.87	0		
301.92	0		
301.97	0		
302.02	0		
302.07	0		
302.12	0		
302.17	0		

Summary for Pond CB13: Catchbasin

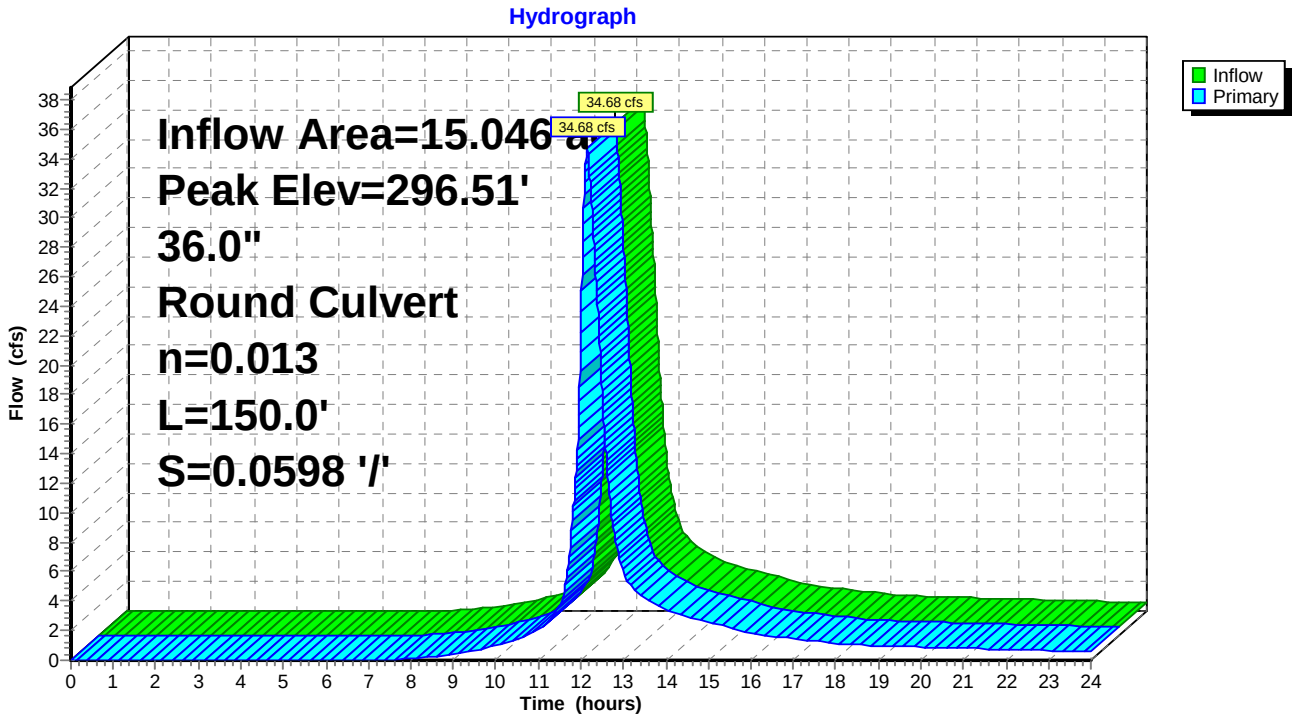
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 2.95" for 10-Year event
Inflow = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af
Outflow = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af, Atten= 0%, Lag= 0.0 min
Primary = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.51' @ 12.15 hrs
Flood Elev= 298.50'

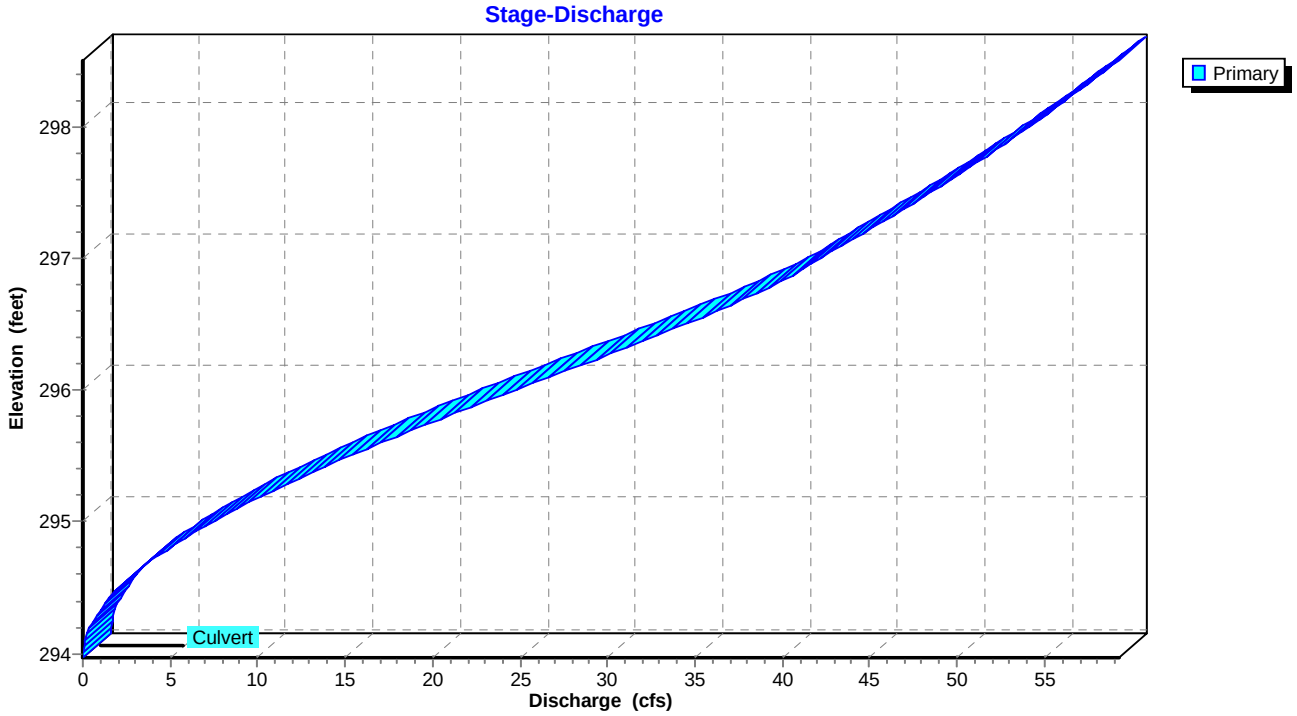
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=34.67 cfs @ 12.15 hrs HW=296.51' TW=287.54' (Dynamic Tailwater)
1=Culvert (Inlet Controls 34.67 cfs @ 5.43 fps)

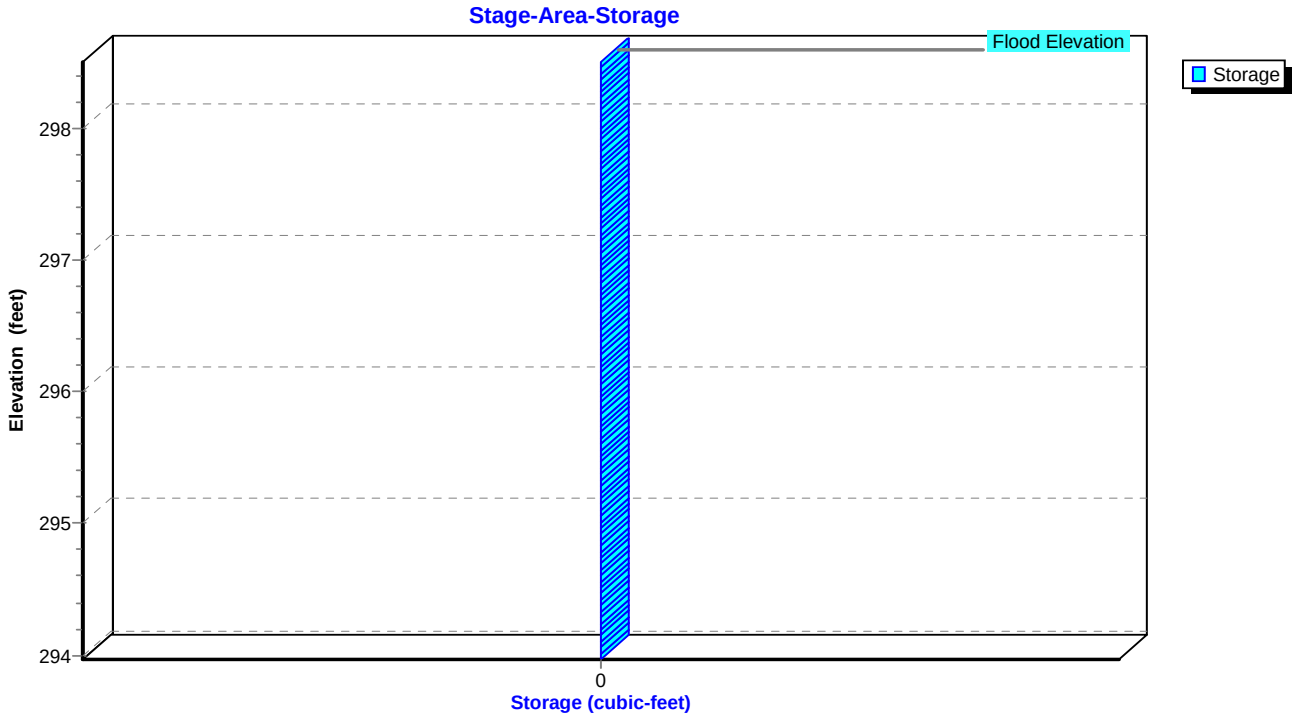
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.01	294.00	0.01
7.50	0.04	294.04	0.04
8.00	0.10	294.09	0.10
8.50	0.23	294.14	0.23
9.00	0.42	294.20	0.42
9.50	0.67	294.27	0.67
10.00	0.98	294.33	0.98
10.50	1.44	294.41	1.44
11.00	2.07	294.50	2.07
11.50	3.61	294.67	3.61
12.00	**22.23**	**295.87**	**22.23**
12.50	**18.25**	**295.66**	**18.25**
13.00	6.13	294.90	6.13
13.50	4.19	294.73	4.19
14.00	3.42	294.65	3.42
14.50	2.92	294.60	2.92
15.00	2.56	294.56	2.56
15.50	2.21	294.52	2.21
16.00	1.84	294.47	1.84
16.50	1.60	294.43	1.60
17.00	1.44	294.41	1.44
17.50	1.28	294.38	1.28
18.00	1.12	294.35	1.12
18.50	1.03	294.34	1.03
19.00	0.98	294.33	0.98
19.50	0.93	294.32	0.93
20.00	0.88	294.31	0.88
20.50	0.84	294.30	0.84
21.00	0.80	294.29	0.80
21.50	0.77	294.29	0.77
22.00	0.73	294.28	0.73
22.50	0.69	294.27	0.69
23.00	0.66	294.26	0.66
23.50	0.62	294.25	0.62
24.00	0.58	294.25	0.58

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	**58.95**
295.97	24.10		
296.02	25.09		
296.07	26.08		
296.12	27.07		
296.17	28.05		
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

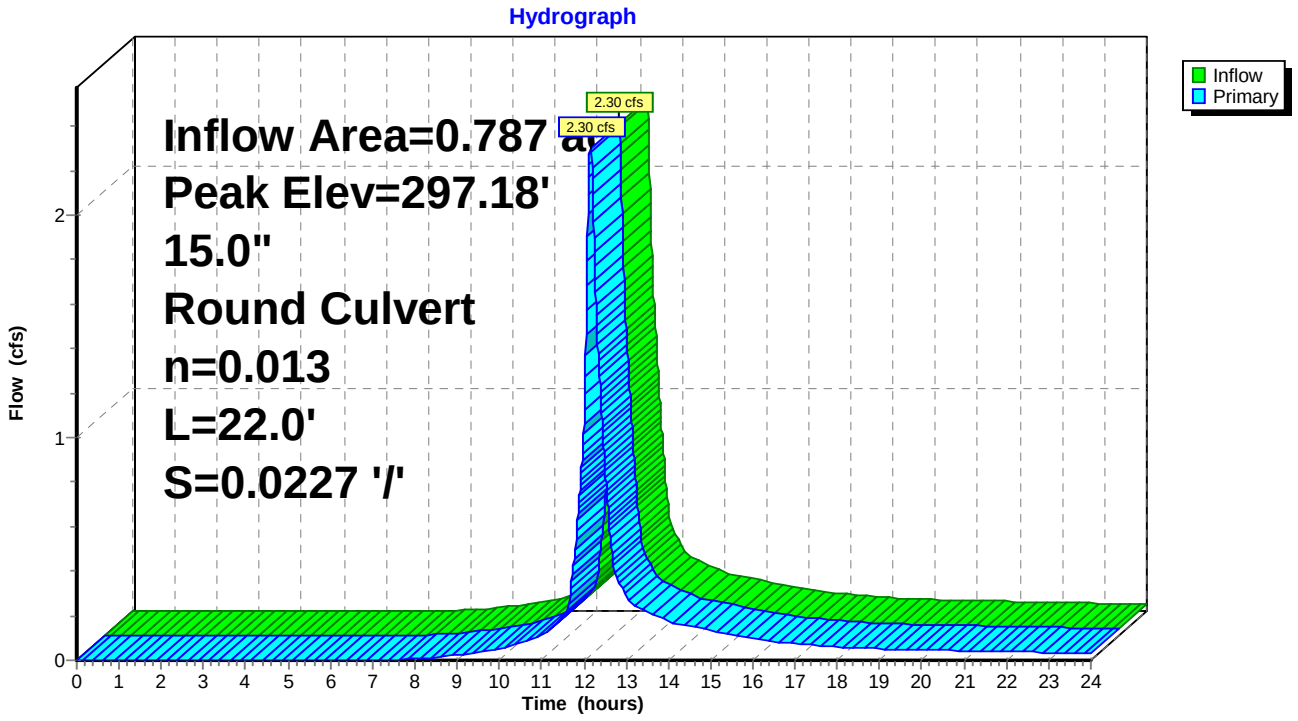
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 2.30 cfs @ 12.16 hrs, Volume= 0.195 af
Outflow = 2.30 cfs @ 12.16 hrs, Volume= 0.195 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.16 hrs, Volume= 0.195 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.18' @ 12.16 hrs
Flood Elev= 299.00'

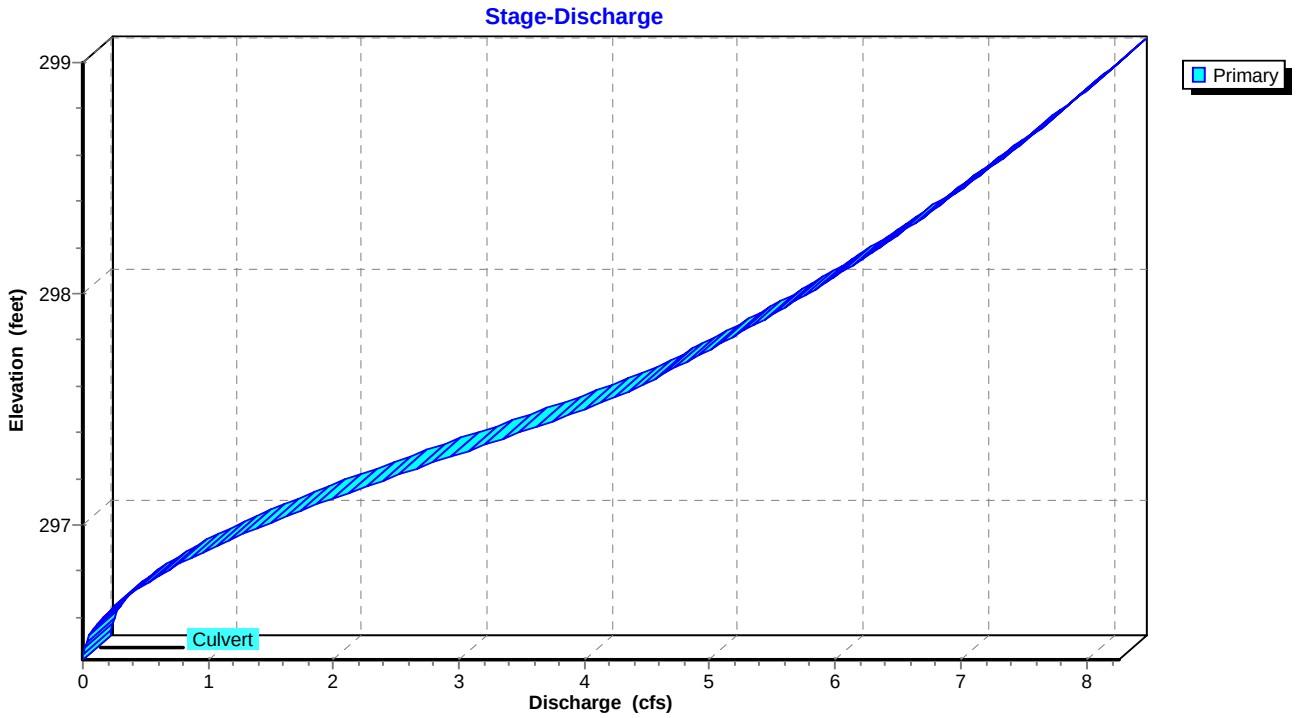
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.30 cfs @ 12.16 hrs HW=297.18' TW=296.51' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.30 cfs @ 2.96 fps)

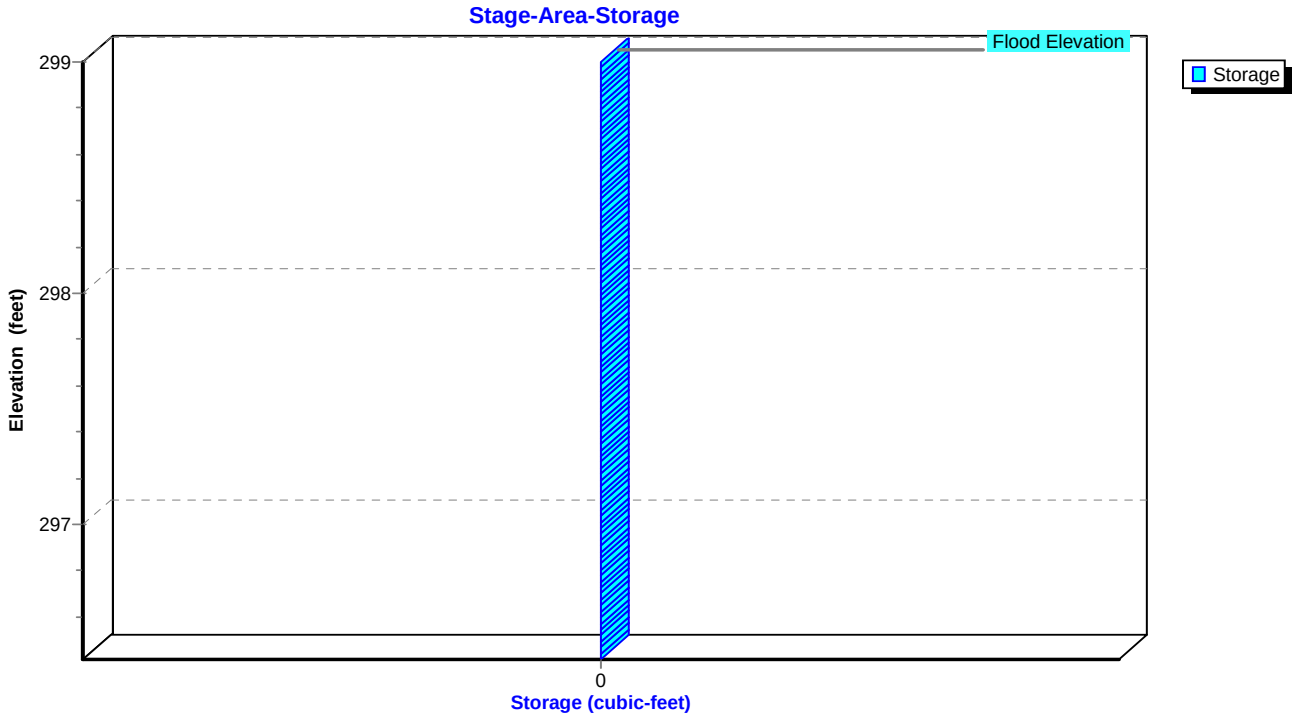
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.44	0.00
8.00	0.01	296.46	0.01
8.50	0.01	296.47	0.01
9.00	0.02	296.49	0.02
9.50	0.04	296.51	0.04
10.00	0.05	296.52	0.05
10.50	0.08	296.55	0.08
11.00	0.11	296.57	0.11
11.50	0.20	296.62	0.20
12.00	**1.07**	**296.91**	**1.07**
12.50	**0.88**	**296.86**	**0.88**
13.00	0.29	296.67	0.29
13.50	0.22	296.63	0.22
14.00	0.18	296.61	0.18
14.50	0.15	296.60	0.15
15.00	0.13	296.59	0.13
15.50	0.11	296.57	0.11
16.00	0.10	296.56	0.10
16.50	0.08	296.55	0.08
17.00	0.08	296.54	0.08
17.50	0.07	296.54	0.07
18.00	0.06	296.53	0.06
18.50	0.05	296.52	0.05
19.00	0.05	296.52	0.05
19.50	0.05	296.52	0.05
20.00	0.05	296.52	0.05
20.50	0.04	296.51	0.04
21.00	0.04	296.51	0.04
21.50	0.04	296.51	0.04
22.00	0.04	296.51	0.04
22.50	0.04	296.51	0.04
23.00	0.03	296.50	0.03
23.50	0.03	296.50	0.03
24.00	0.03	296.50	0.03

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

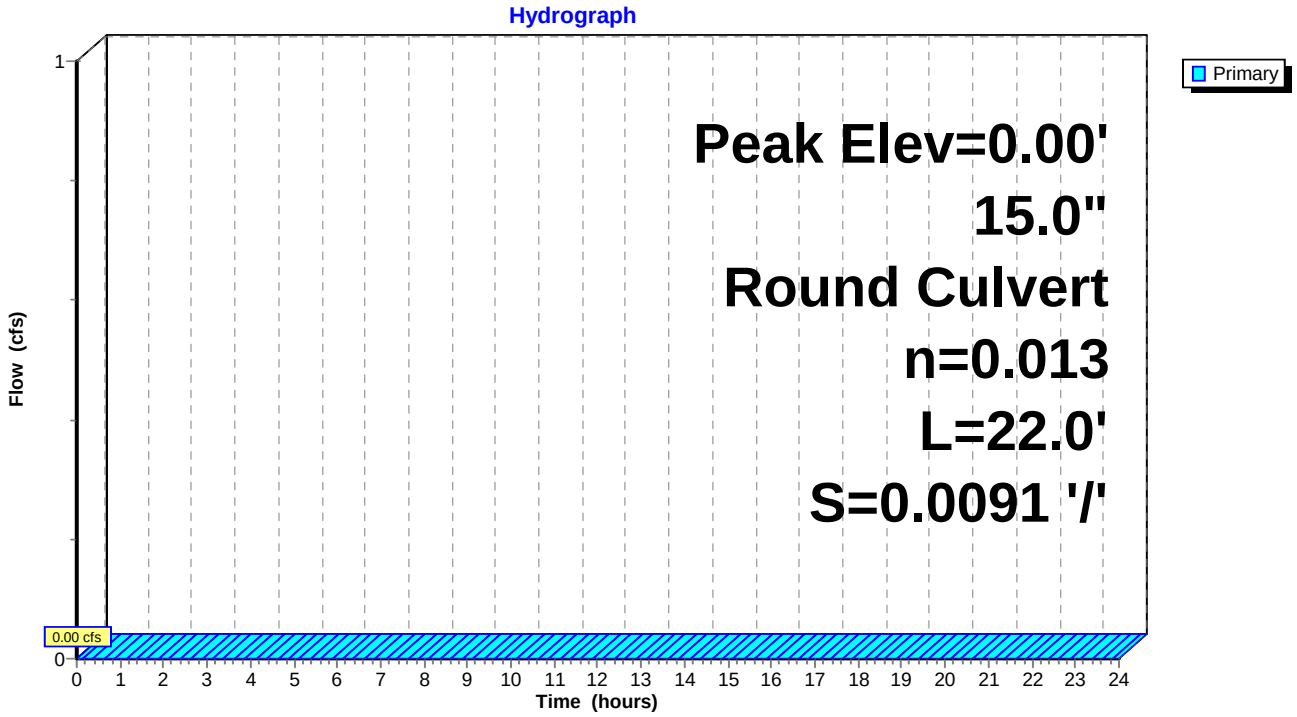
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

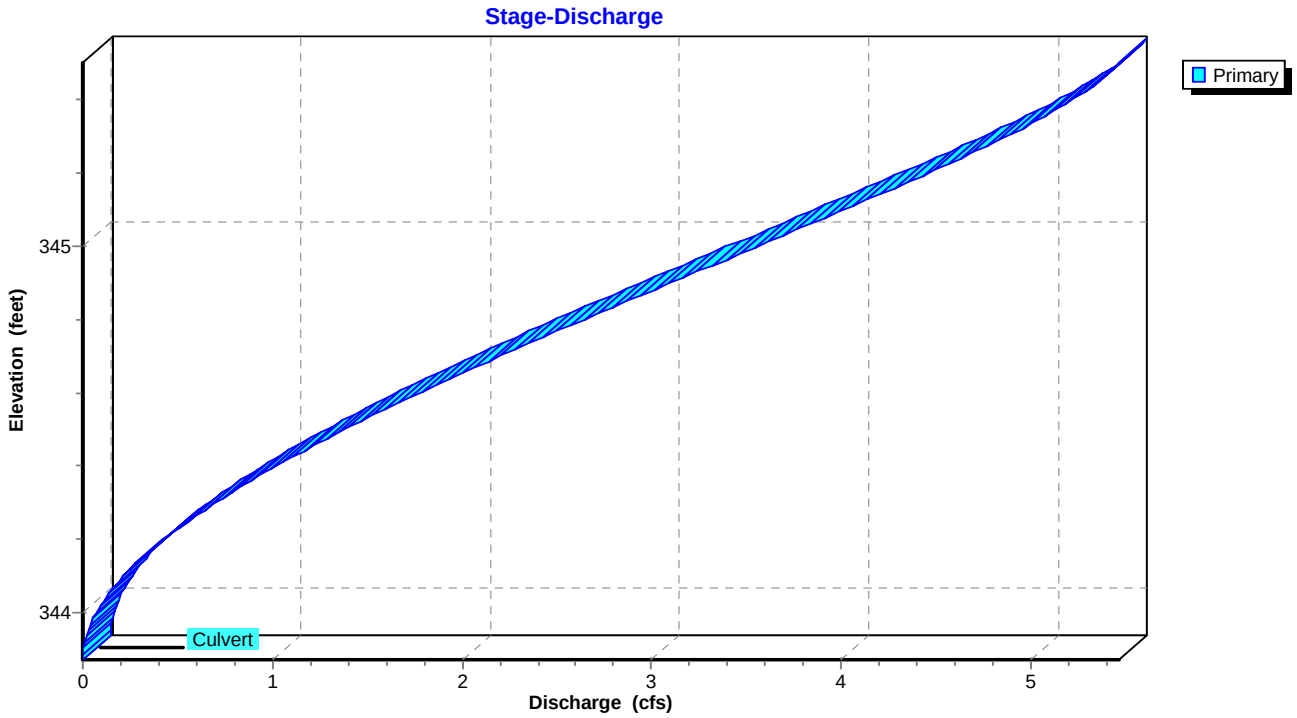
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

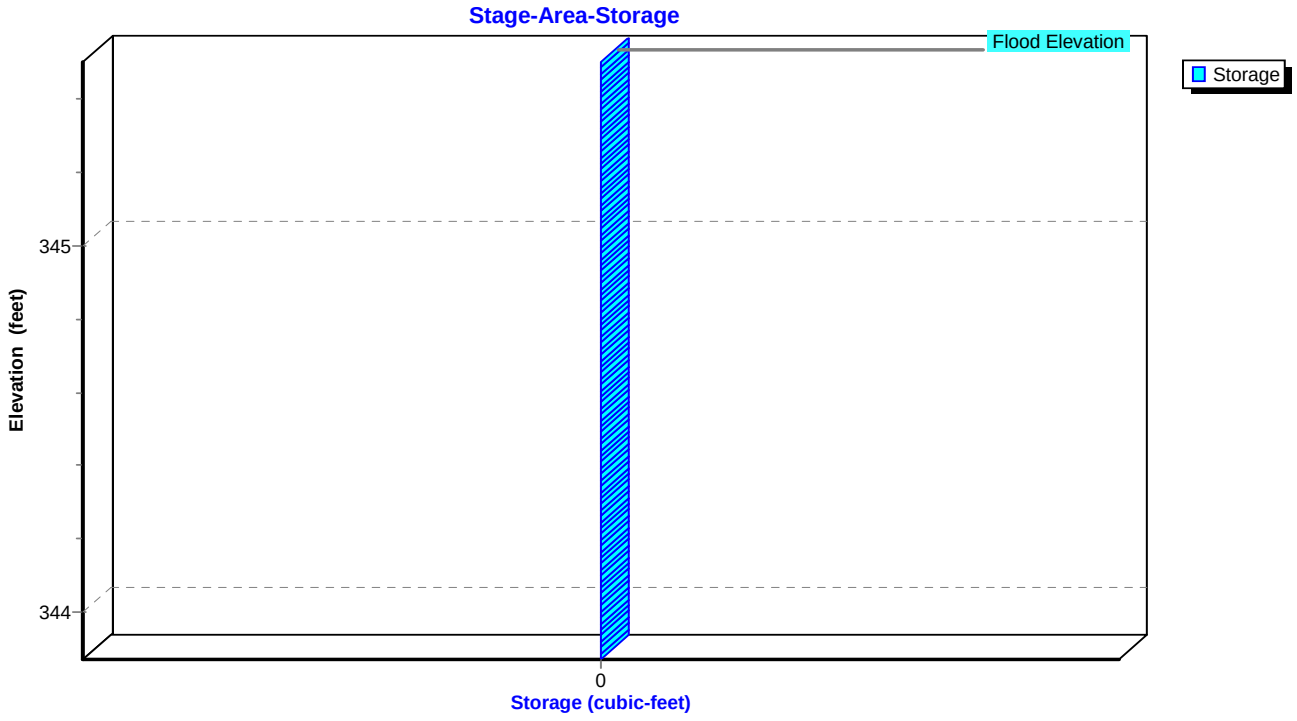
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

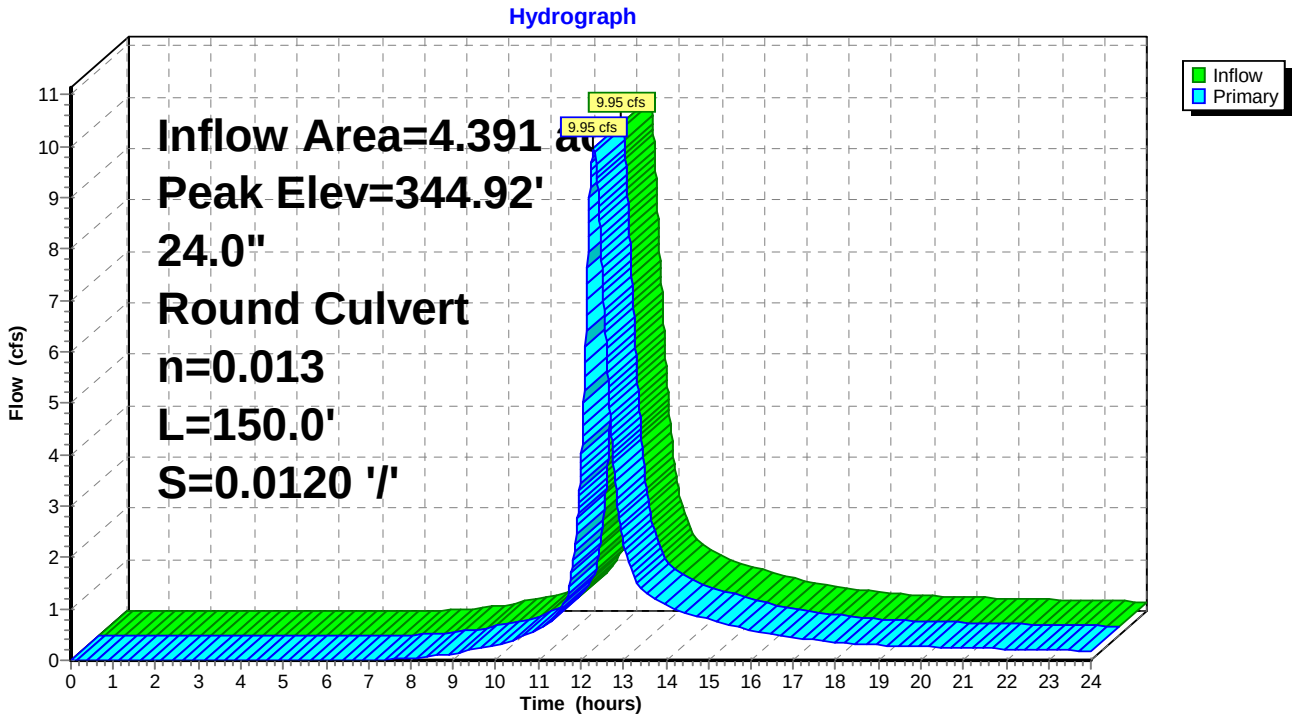
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af
Outflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af, Atten= 0%, Lag= 0.0 min
Primary = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.92' @ 12.30 hrs
Flood Elev= 347.00'

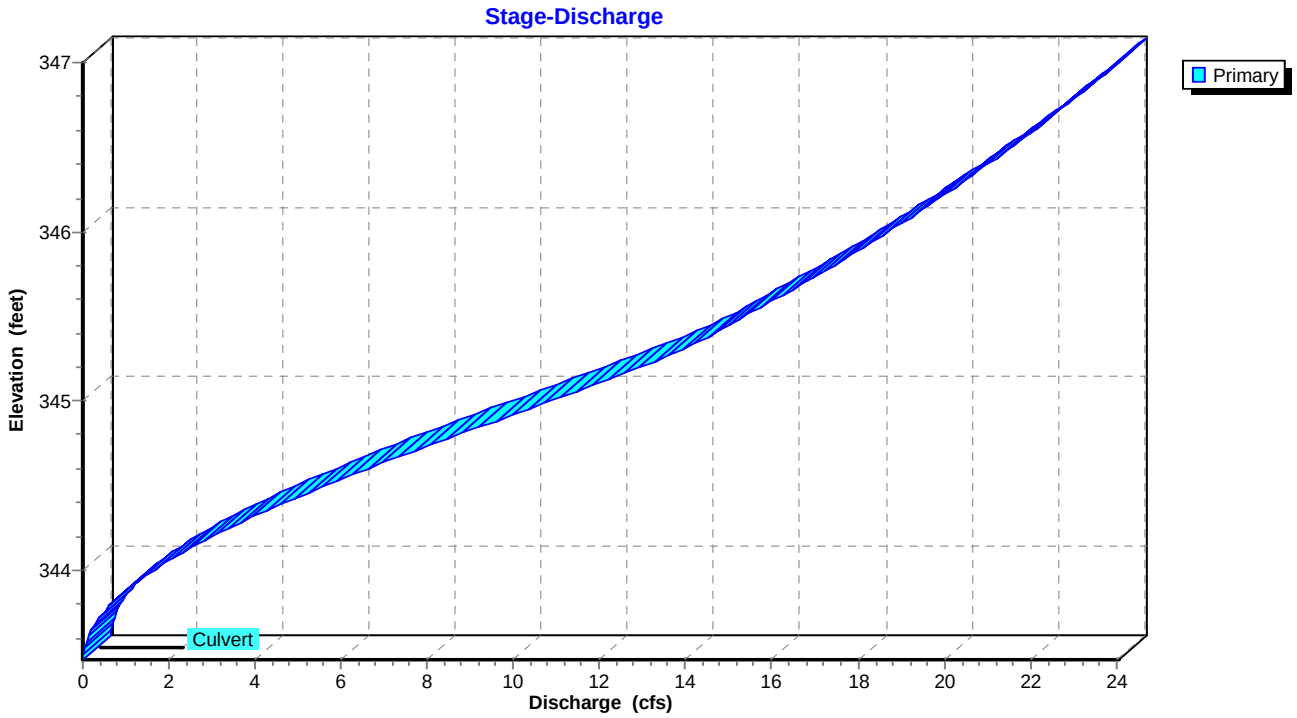
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.95 cfs @ 12.30 hrs HW=344.92' TW=343.13' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.95 cfs @ 4.09 fps)

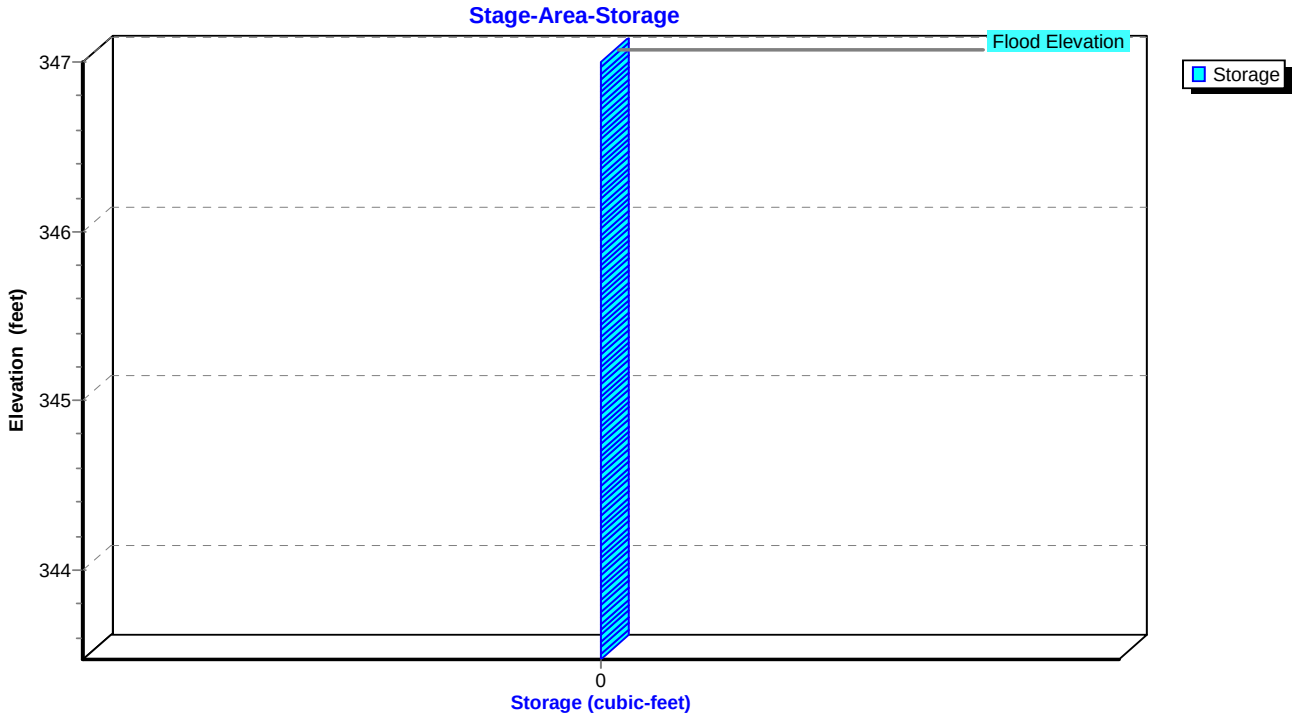
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.49	0.00
7.50	0.01	343.52	0.01
8.00	0.04	343.55	0.04
8.50	0.08	343.58	0.08
9.00	0.13	343.62	0.13
9.50	0.21	343.65	0.21
10.00	0.30	343.69	0.30
10.50	0.42	343.73	0.42
11.00	0.60	343.78	0.60
11.50	0.96	343.87	0.96
12.00	**3.71**	**344.29**	**3.71**
12.50	**7.62**	**344.70**	**7.62**
13.00	2.30	344.10	2.30
13.50	1.34	343.94	1.34
14.00	1.08	343.89	1.08
14.50	0.90	343.86	0.90
15.00	0.79	343.83	0.79
15.50	0.69	343.81	0.69
16.00	0.58	343.78	0.58
16.50	0.49	343.75	0.49
17.00	0.44	343.74	0.44
17.50	0.39	343.72	0.39
18.00	0.35	343.71	0.35
18.50	0.31	343.69	0.31
19.00	0.29	343.69	0.29
19.50	0.28	343.68	0.28
20.00	0.27	343.68	0.27
20.50	0.25	343.67	0.25
21.00	0.24	343.67	0.24
21.50	0.23	343.66	0.23
22.00	0.22	343.66	0.22
22.50	0.21	343.65	0.21
23.00	0.20	343.65	0.20
23.50	0.19	343.64	0.19
24.00	0.18	343.64	0.18

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.47	**0**	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		
345.27	0		
345.32	0		
345.37	0		
345.42	0		
345.47	0		
345.52	0		
345.57	0		
345.62	0		
345.67	0		
345.72	0		
345.77	0		
345.82	0		
345.87	0		
345.92	0		
345.97	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

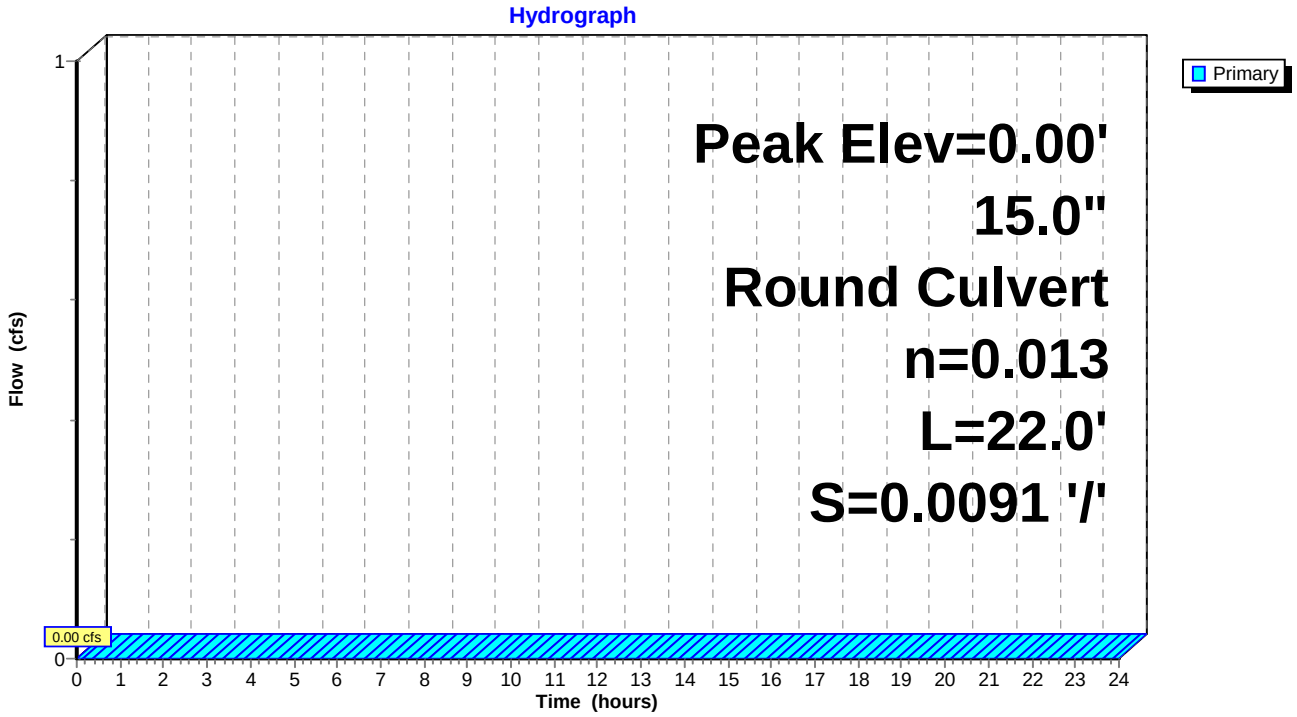
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

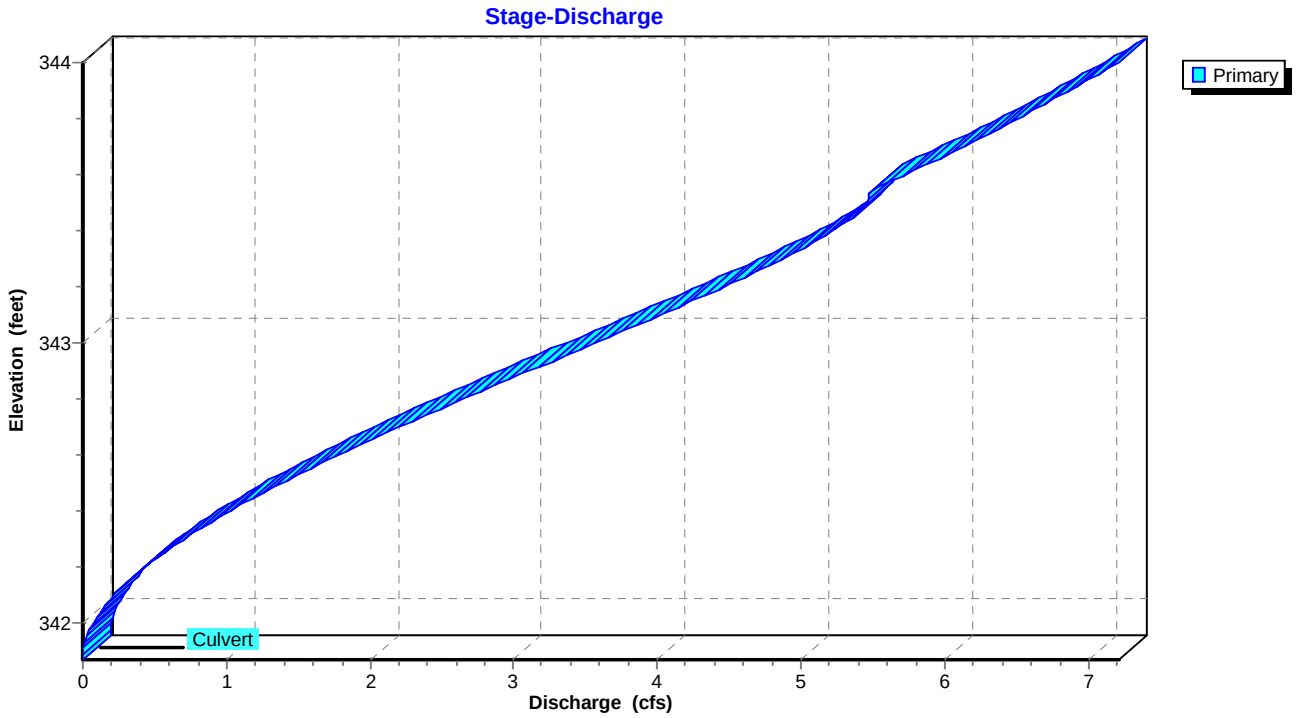
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

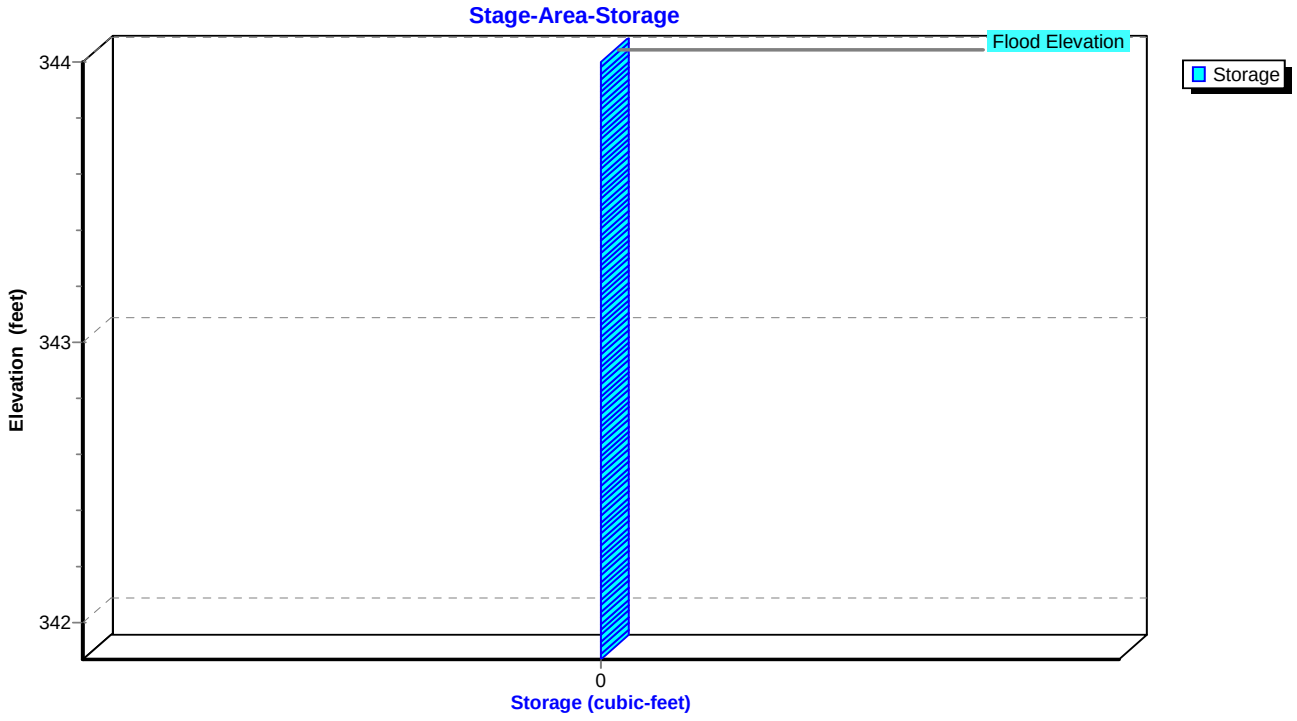
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

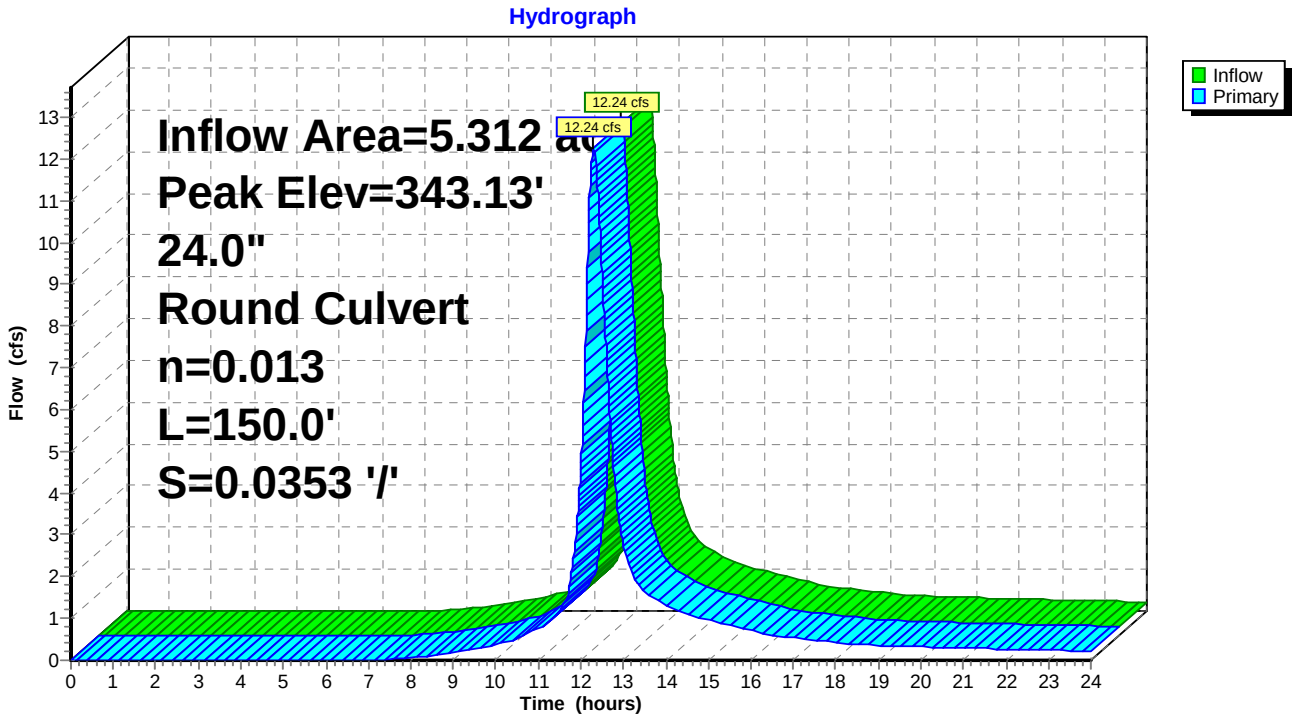
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 3.10" for 10-Year event
Inflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af
Outflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af, Atten= 0%, Lag= 0.0 min
Primary = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.13' @ 12.30 hrs
Flood Elev= 345.00'

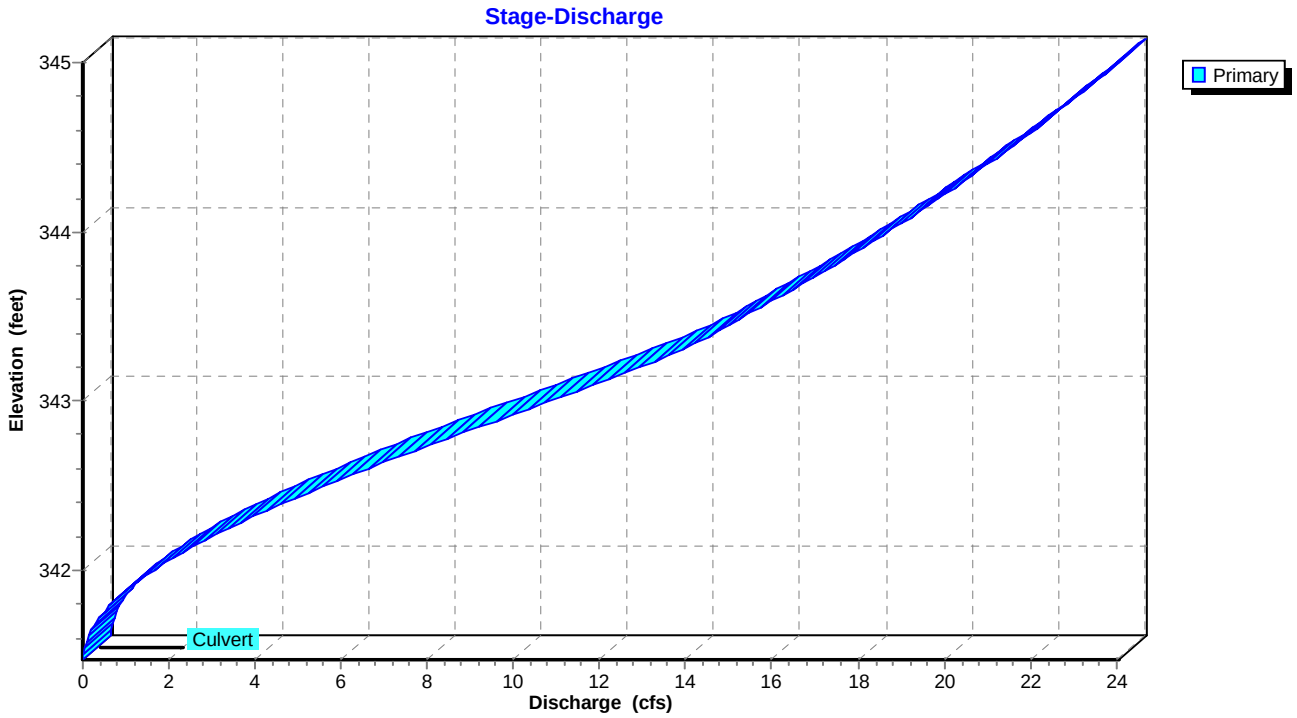
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.24 cfs @ 12.30 hrs HW=343.13' TW=337.11' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.24 cfs @ 4.39 fps)

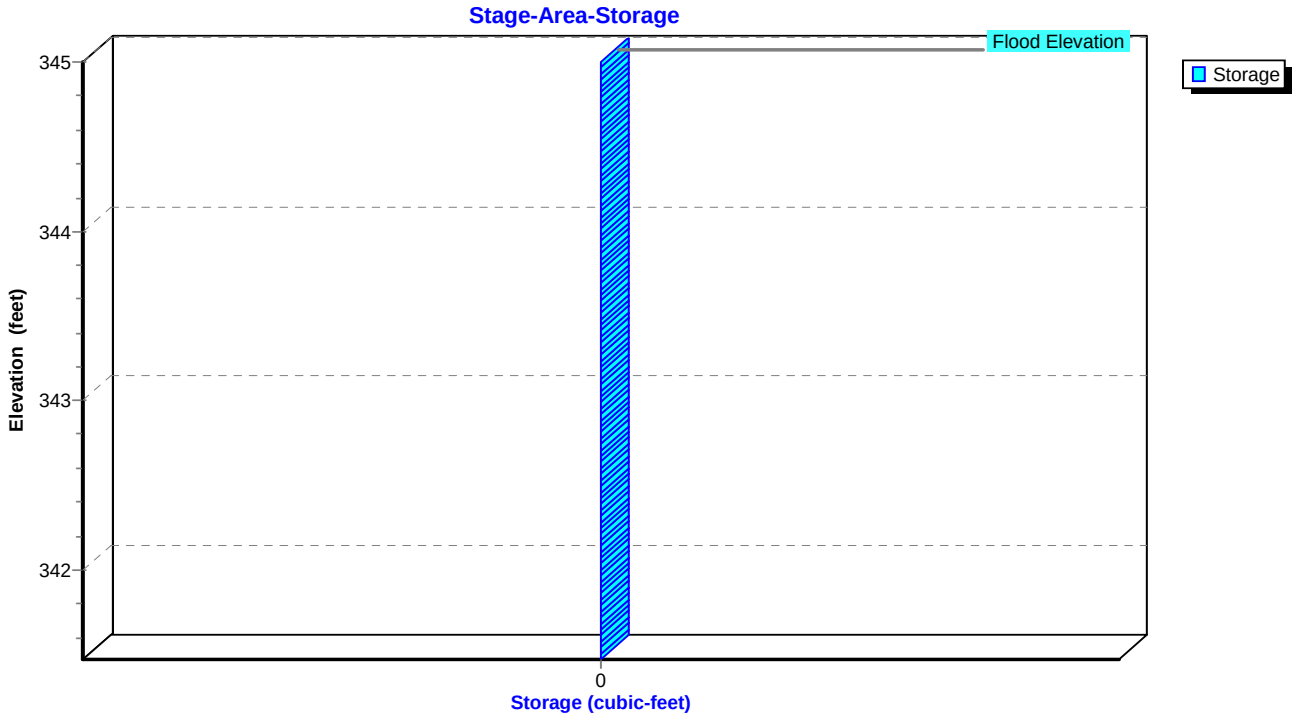
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.01	341.50	0.01
7.50	0.02	341.53	0.02
8.00	0.06	341.56	0.06
8.50	0.10	341.60	0.10
9.00	0.17	341.64	0.17
9.50	0.26	341.68	0.26
10.00	0.37	341.72	0.37
10.50	0.53	341.76	0.53
11.00	0.75	341.82	0.75
11.50	1.19	341.92	1.19
12.00	**4.58**	**342.39**	**4.58**
12.50	**9.28**	**342.85**	**9.28**
13.00	2.78	342.17	2.78
13.50	1.62	342.00	1.62
14.00	1.32	341.94	1.32
14.50	1.10	341.90	1.10
15.00	0.96	341.87	0.96
15.50	0.83	341.84	0.83
16.00	0.70	341.81	0.70
16.50	0.60	341.78	0.60
17.00	0.54	341.77	0.54
17.50	0.48	341.75	0.48
18.00	0.42	341.73	0.42
18.50	0.38	341.72	0.38
19.00	0.36	341.71	0.36
19.50	0.34	341.70	0.34
20.00	0.32	341.70	0.32
20.50	0.31	341.69	0.31
21.00	0.29	341.69	0.29
21.50	0.28	341.68	0.28
22.00	0.27	341.68	0.27
22.50	0.25	341.67	0.25
23.00	0.24	341.67	0.24
23.50	0.23	341.66	0.23
24.00	0.21	341.66	0.21

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

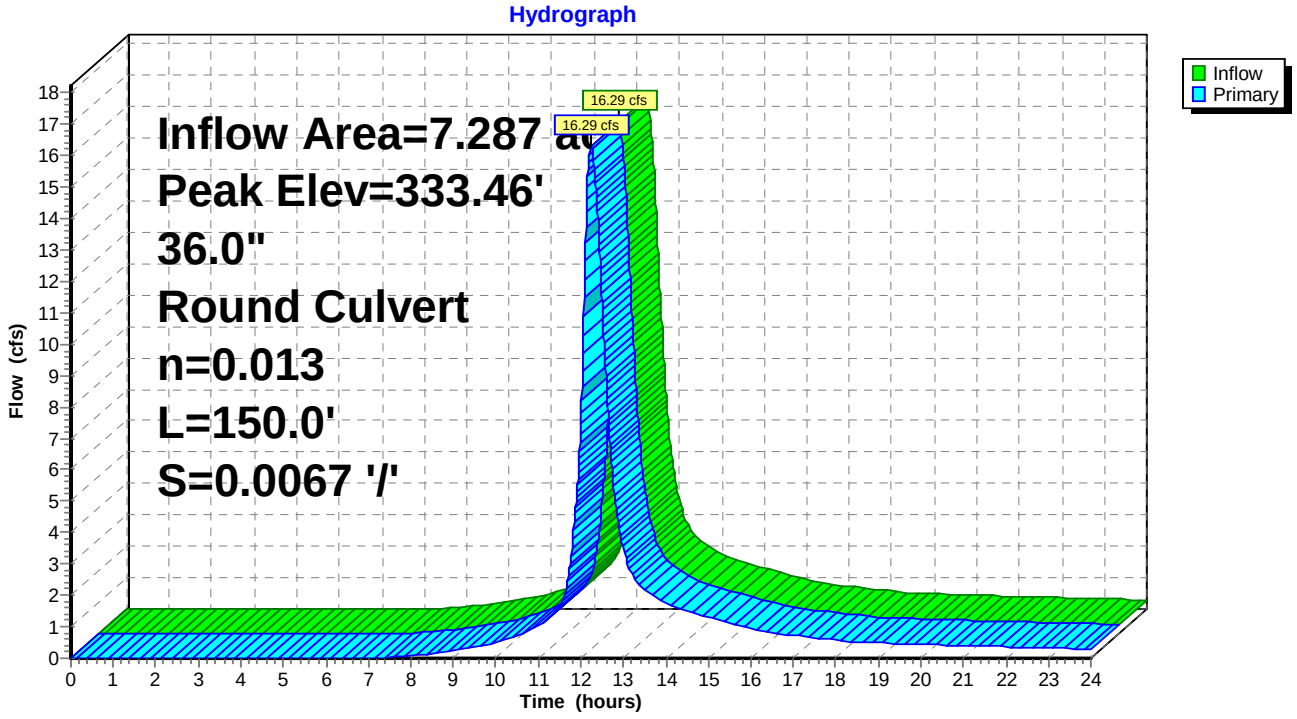
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.46' @ 12.24 hrs
Flood Elev= 337.75'

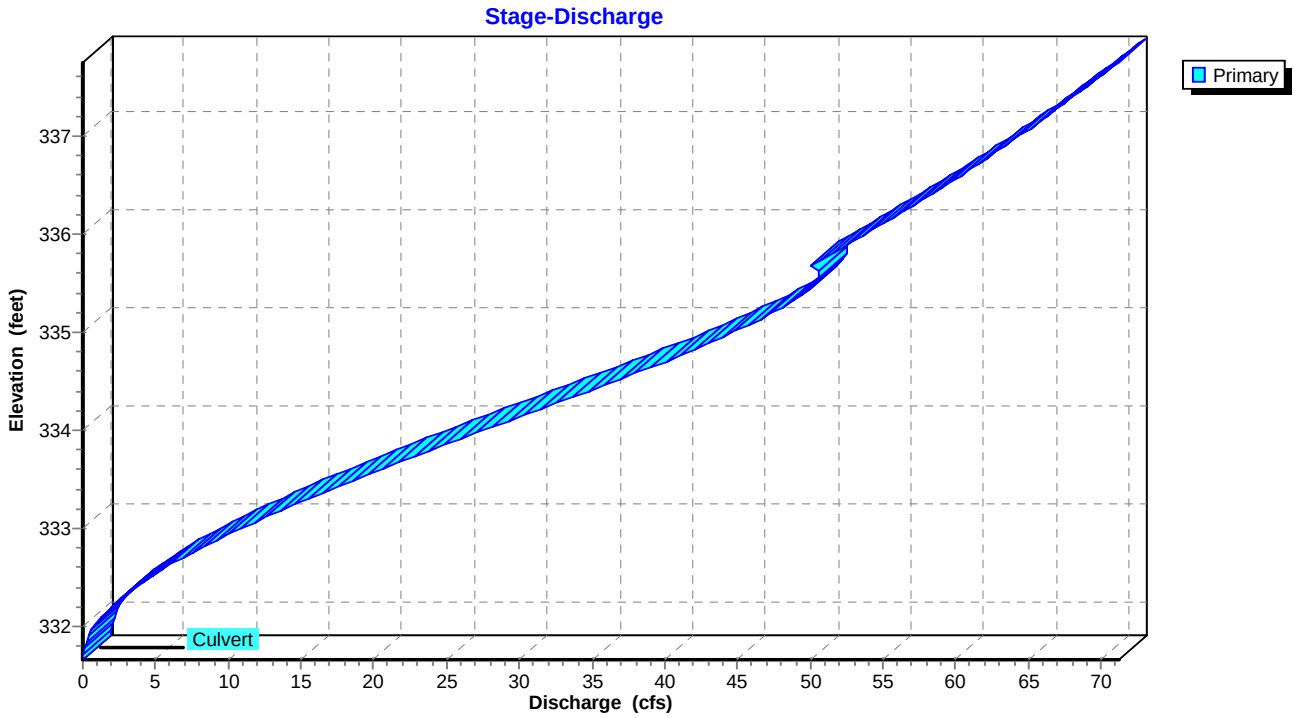
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.30 cfs @ 12.24 hrs HW=333.46' TW=332.28' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.30 cfs @ 5.32 fps)

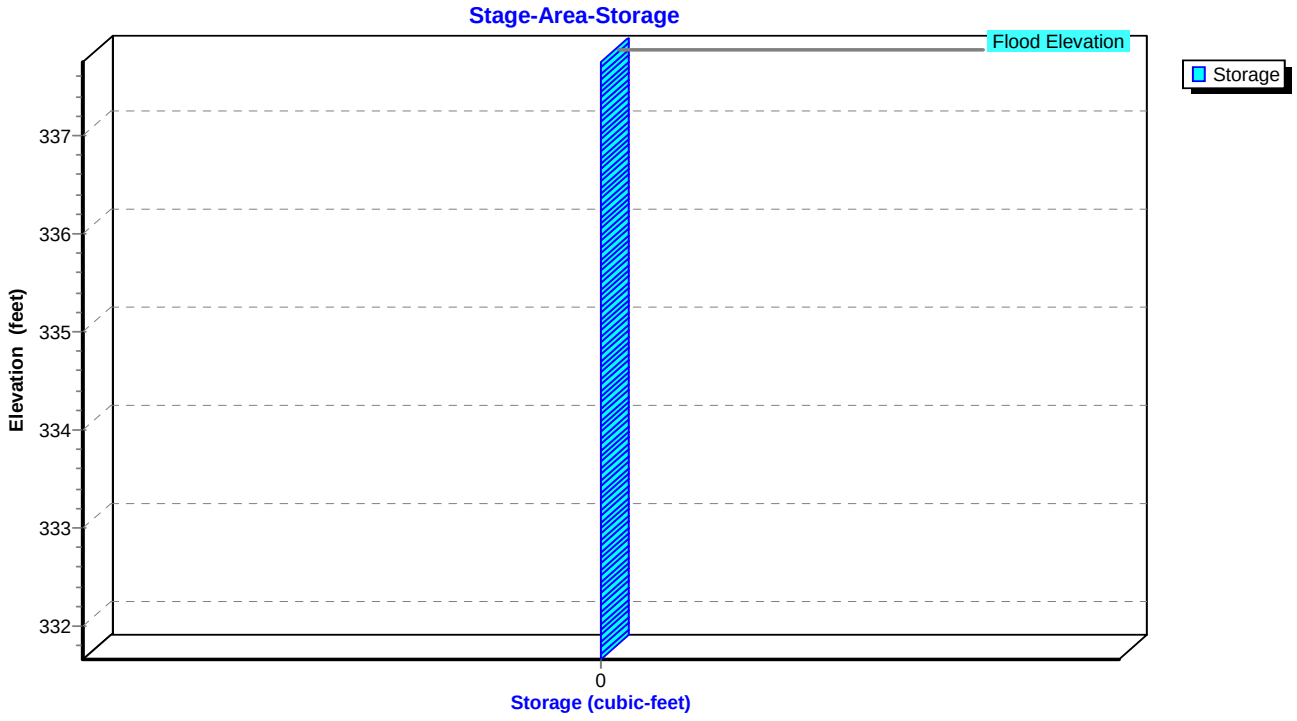
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.68	0.00
7.00	0.01	331.70	0.01
7.50	0.03	331.74	0.03
8.00	0.07	331.78	0.07
8.50	0.14	331.82	0.14
9.00	0.23	331.86	0.23
9.50	0.36	331.90	0.36
10.00	0.51	331.95	0.51
10.50	0.73	332.00	0.73
11.00	1.04	332.06	1.04
11.50	1.70	332.17	1.70
12.00	**7.45**	**332.78**	**7.45**
12.50	**11.34**	**333.09**	**11.34**
13.00	3.49	332.39	3.49
13.50	2.16	332.24	2.16
14.00	1.76	332.18	1.76
14.50	1.48	332.14	1.48
15.00	1.30	332.11	1.30
15.50	1.12	332.08	1.12
16.00	0.94	332.04	0.94
16.50	0.81	332.02	0.81
17.00	0.72	332.00	0.72
17.50	0.64	331.98	0.64
18.00	0.57	331.96	0.57
18.50	0.51	331.95	0.51
19.00	0.49	331.94	0.49
19.50	0.46	331.93	0.46
20.00	0.44	331.93	0.44
20.50	0.42	331.92	0.42
21.00	0.40	331.92	0.40
21.50	0.38	331.91	0.38
22.00	0.36	331.91	0.36
22.50	0.34	331.90	0.34
23.00	0.33	331.89	0.33
23.50	0.31	331.89	0.31
24.00	0.29	331.88	0.29

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

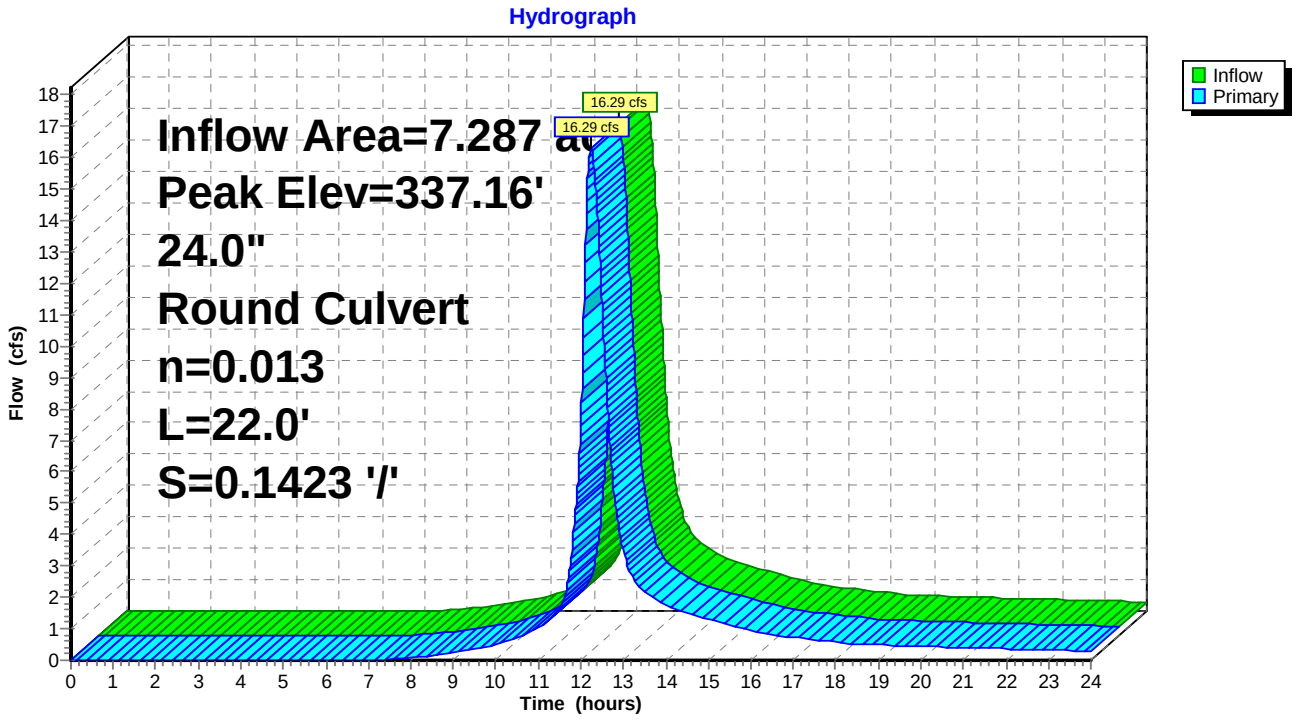
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.16' @ 12.24 hrs
Flood Elev= 339.50'

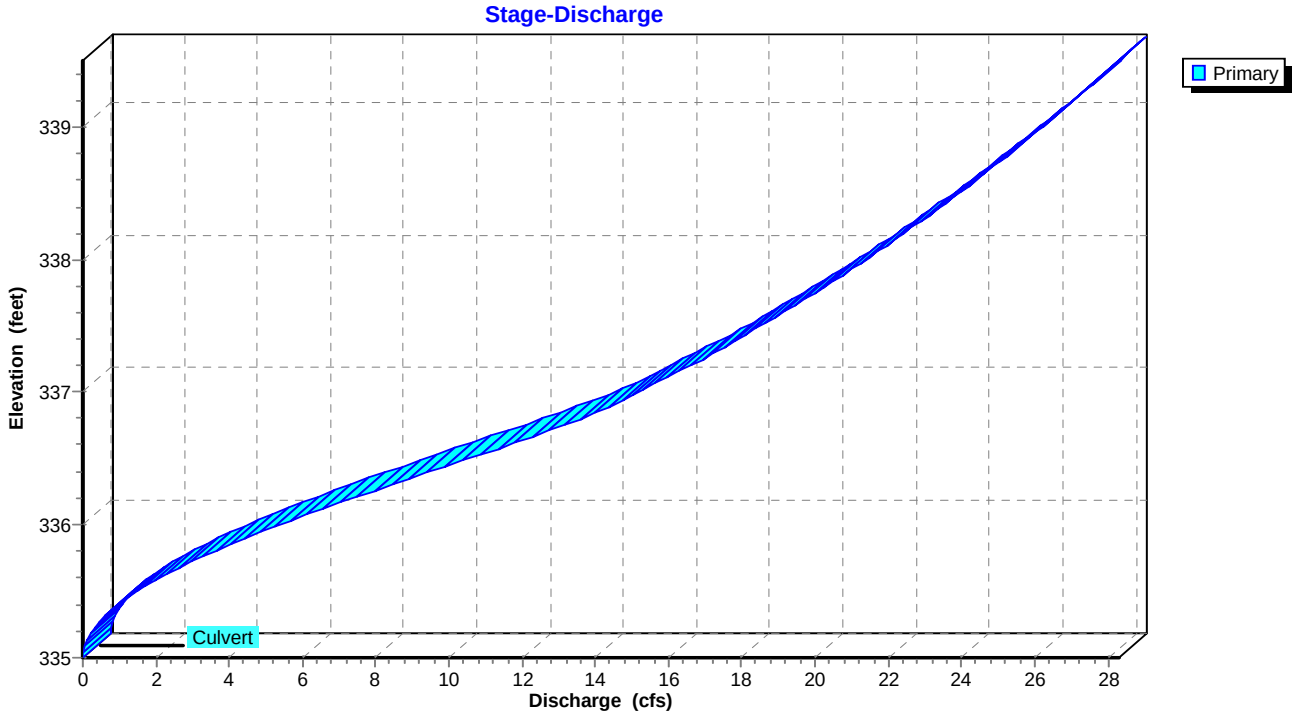
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.29 cfs @ 12.24 hrs HW=337.16' TW=333.46' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 16.29 cfs @ 5.18 fps)

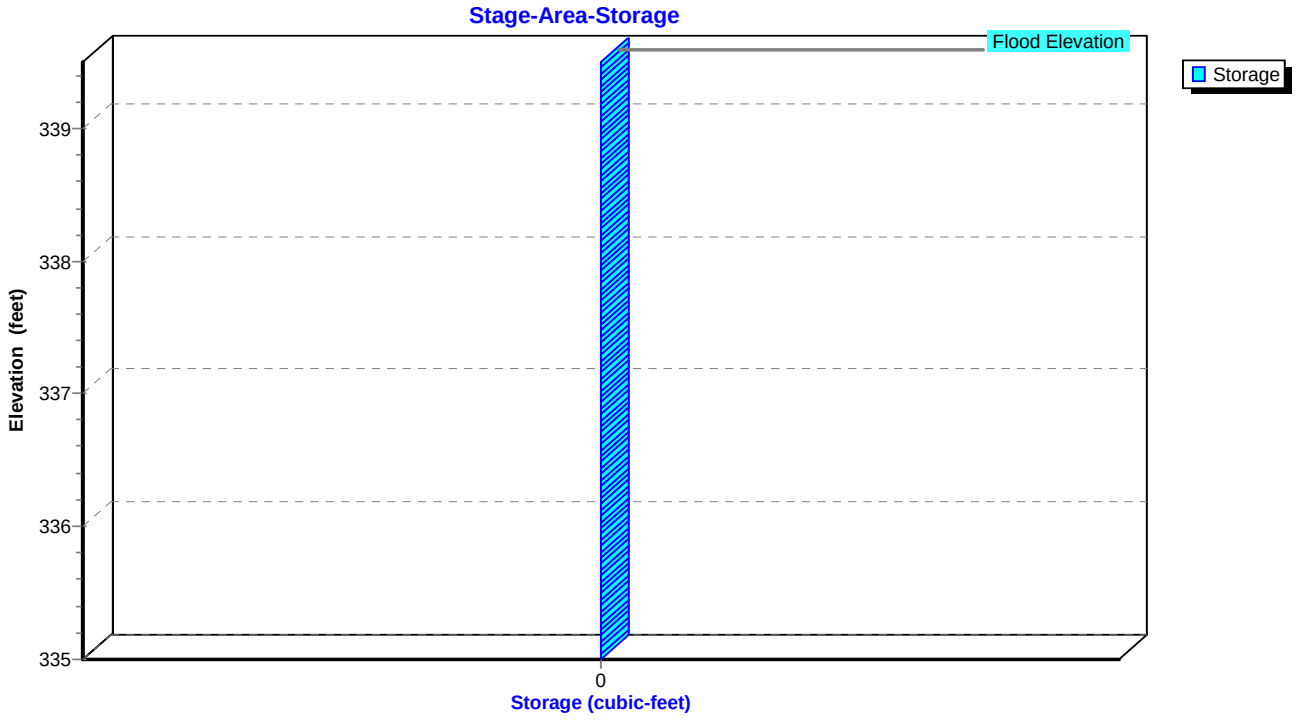
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.01	335.03	0.01
7.50	0.03	335.06	0.03
8.00	0.07	335.11	0.07
8.50	0.14	335.15	0.14
9.00	0.23	335.19	0.23
9.50	0.36	335.24	0.36
10.00	0.51	335.29	0.51
10.50	0.73	335.35	0.73
11.00	1.04	335.42	1.04
11.50	1.70	335.54	1.70
12.00	**7.45**	**336.21**	**7.45**
12.50	**11.34**	**336.58**	**11.34**
13.00	3.49	335.79	3.49
13.50	2.16	335.61	2.16
14.00	1.76	335.55	1.76
14.50	1.48	335.50	1.48
15.00	1.30	335.47	1.30
15.50	1.12	335.43	1.12
16.00	0.94	335.40	0.94
16.50	0.81	335.36	0.81
17.00	0.72	335.35	0.72
17.50	0.64	335.33	0.64
18.00	0.57	335.30	0.57
18.50	0.51	335.29	0.51
19.00	0.49	335.28	0.49
19.50	0.46	335.27	0.46
20.00	0.44	335.27	0.44
20.50	0.42	335.26	0.42
21.00	0.40	335.25	0.40
21.50	0.38	335.25	0.38
22.00	0.36	335.24	0.36
22.50	0.34	335.24	0.34
23.00	0.33	335.23	0.33
23.50	0.31	335.22	0.31
24.00	0.29	335.22	0.29

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

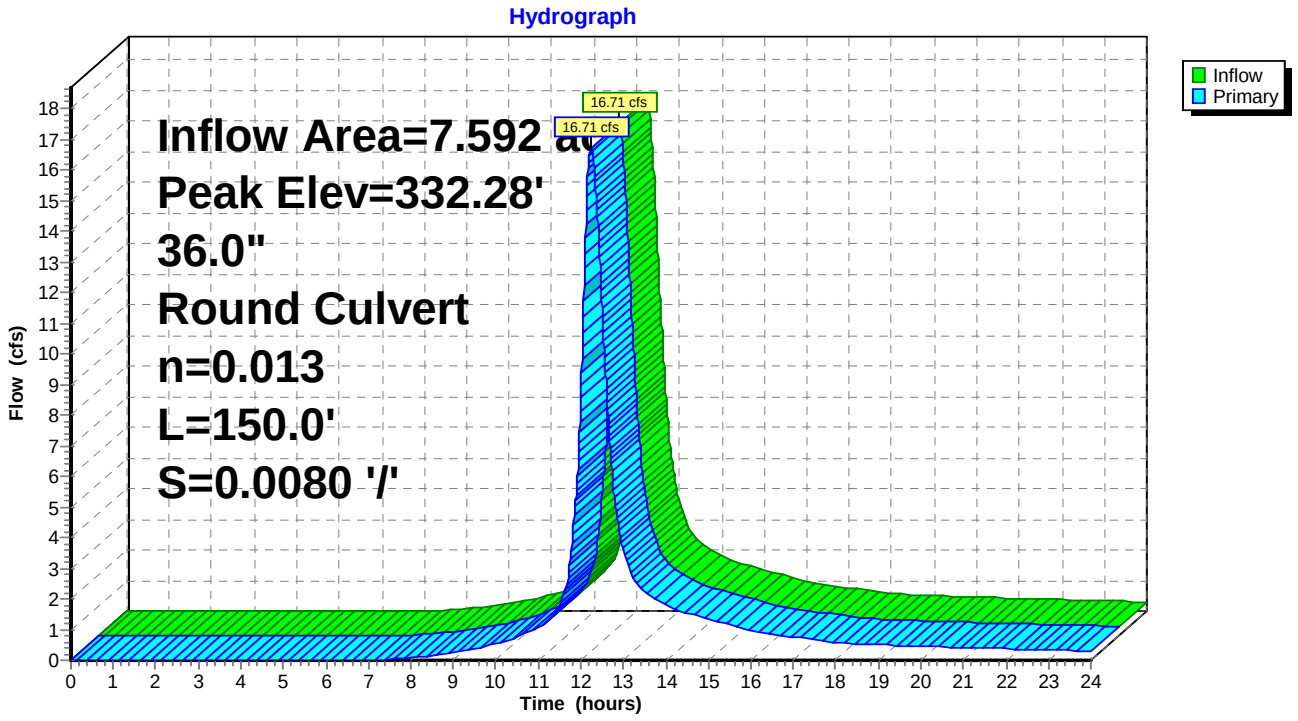
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 3.05" for 10-Year event
Inflow = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af
Outflow = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af, Atten= 0%, Lag= 0.0 min
Primary = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.28' @ 12.23 hrs
Flood Elev= 335.00'

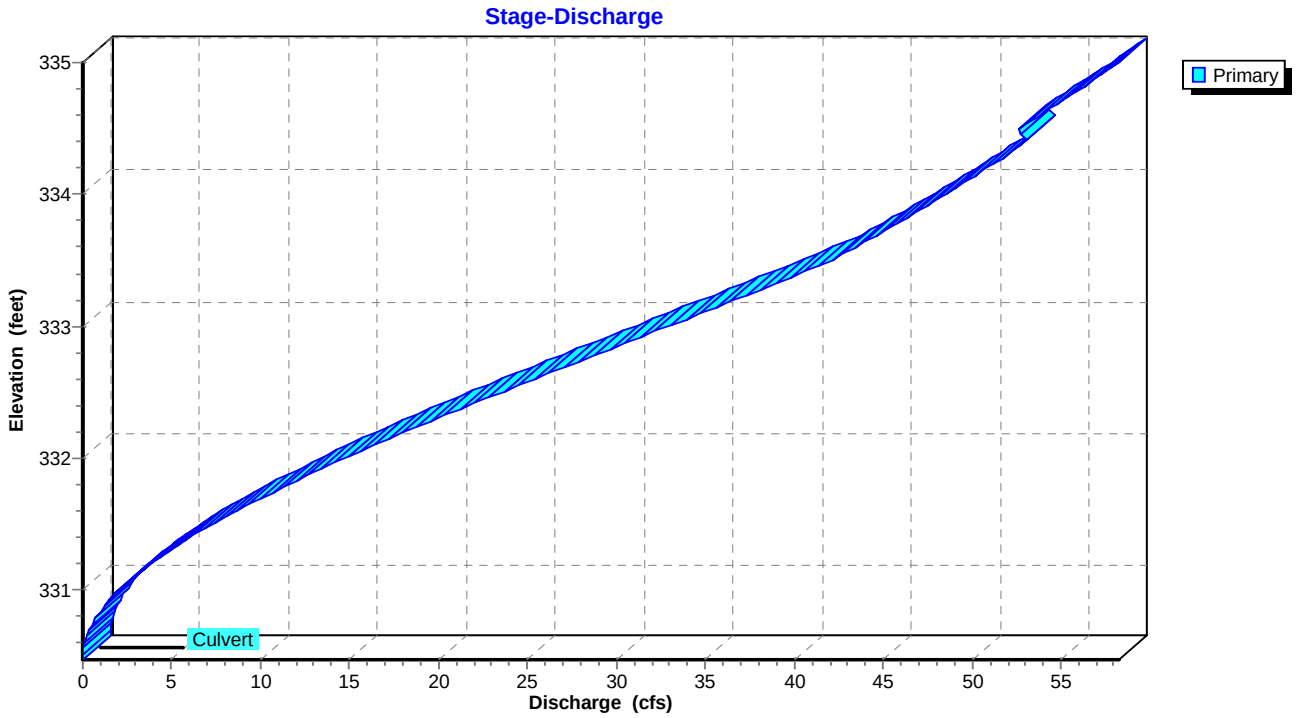
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.74 cfs @ 12.23 hrs HW=332.28' TW=331.06' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.74 cfs @ 5.40 fps)

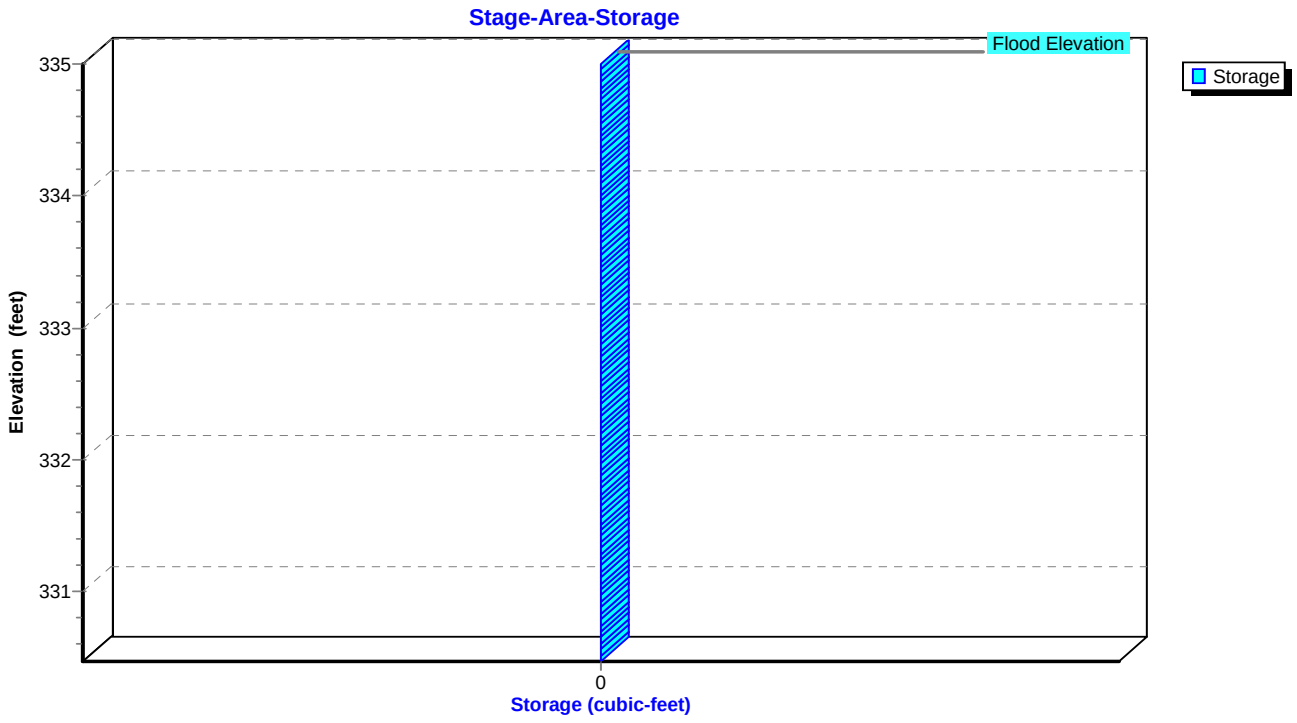
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.48	0.00
7.00	0.01	330.50	0.01
7.50	0.03	330.54	0.03
8.00	0.07	330.58	0.07
8.50	0.14	330.61	0.14
9.00	0.24	330.66	0.24
9.50	0.37	330.70	0.37
10.00	0.53	330.74	0.53
10.50	0.76	330.79	0.76
11.00	1.08	330.85	1.08
11.50	1.79	330.96	1.79
12.00	**8.56**	**331.63**	**8.56**
12.50	**11.50**	**331.87**	**11.50**
13.00	3.58	331.18	3.58
13.50	2.24	331.02	2.24
14.00	1.82	330.97	1.82
14.50	1.53	330.93	1.53
15.00	1.35	330.90	1.35
15.50	1.16	330.87	1.16
16.00	0.97	330.84	0.97
16.50	0.84	330.81	0.84
17.00	0.75	330.79	0.75
17.50	0.67	330.77	0.67
18.00	0.59	330.76	0.59
18.50	0.53	330.74	0.53
19.00	0.50	330.74	0.50
19.50	0.48	330.73	0.48
20.00	0.45	330.72	0.45
20.50	0.43	330.72	0.43
21.00	0.41	330.71	0.41
21.50	0.40	330.71	0.40
22.00	0.38	330.70	0.38
22.50	0.36	330.70	0.36
23.00	0.34	330.69	0.34
23.50	0.32	330.68	0.32
24.00	0.30	330.68	0.30

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

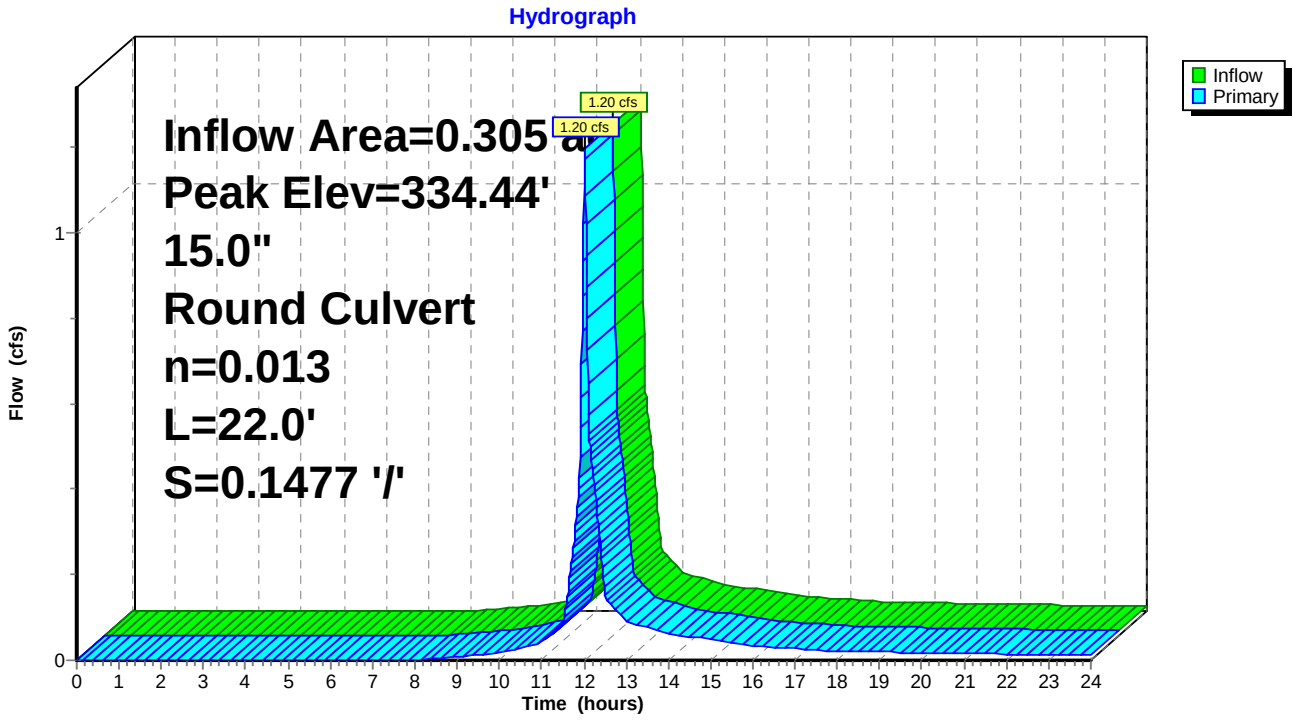
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af
Outflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af, Atten= 0%, Lag= 0.0 min
Primary = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.44' @ 12.02 hrs
Flood Elev= 336.50'

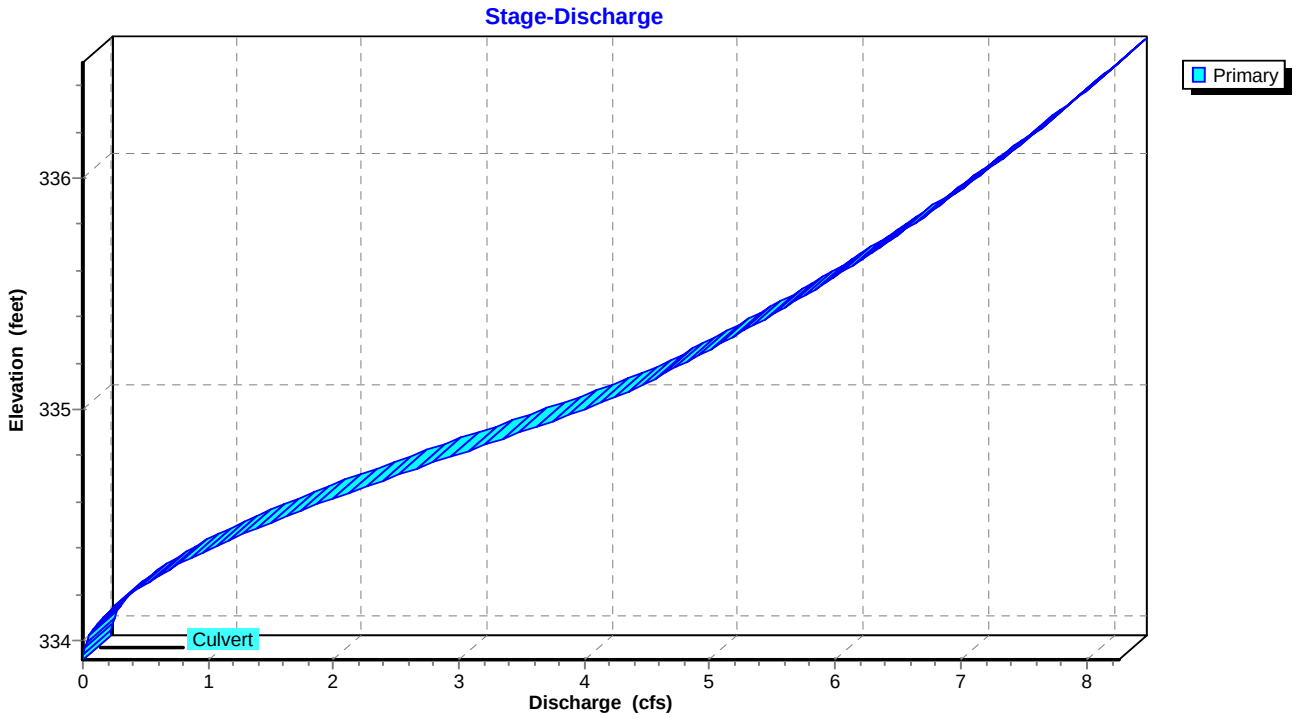
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.19 cfs @ 12.02 hrs HW=334.44' TW=331.69' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.19 cfs @ 2.46 fps)

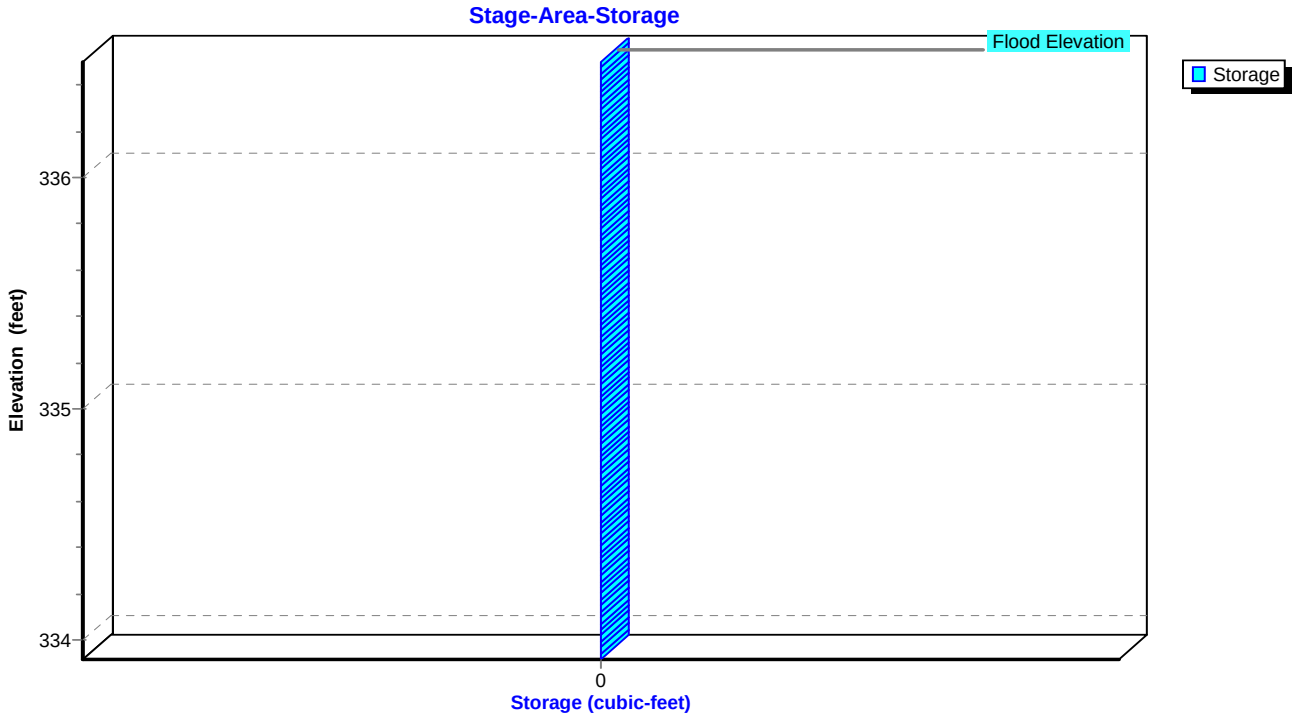
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.93	0.00
8.50	0.00	333.95	0.00
9.00	0.01	333.96	0.01
9.50	0.01	333.97	0.01
10.00	0.02	333.98	0.02
10.50	0.03	334.00	0.03
11.00	0.04	334.01	0.04
11.50	0.08	334.05	0.08
12.00	**1.11**	**334.42**	**1.11**
12.50	**0.16**	**334.10**	**0.16**
13.00	0.09	334.06	0.09
13.50	0.08	334.04	0.08
14.00	0.06	334.03	0.06
14.50	0.05	334.03	0.05
15.00	0.05	334.02	0.05
15.50	0.04	334.01	0.04
16.00	0.03	334.00	0.03
16.50	0.03	334.00	0.03
17.00	0.03	333.99	0.03
17.50	0.02	333.99	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.98	0.02
19.50	0.02	333.98	0.02
20.00	0.02	333.98	0.02
20.50	0.02	333.98	0.02
21.00	0.02	333.98	0.02
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

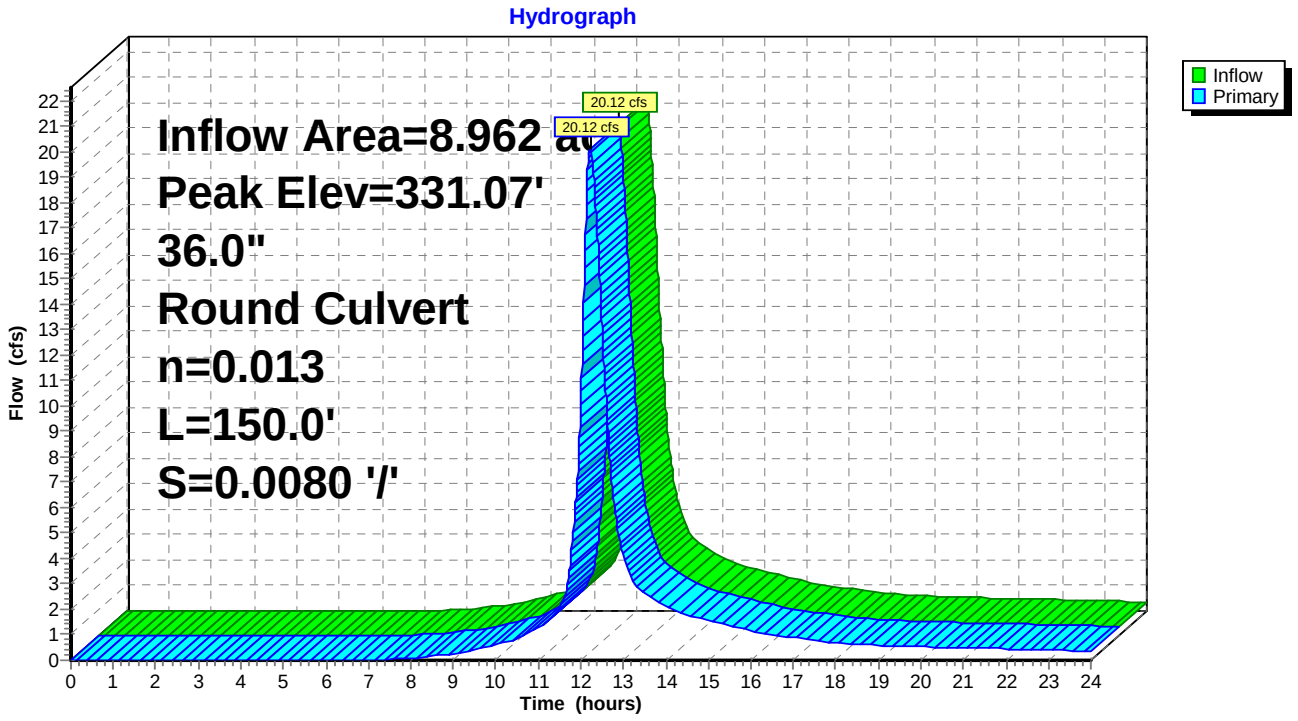
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.01" for 10-Year event
Inflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af
Outflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af, Atten= 0%, Lag= 0.0 min
Primary = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.07' @ 12.21 hrs
Flood Elev= 337.00'

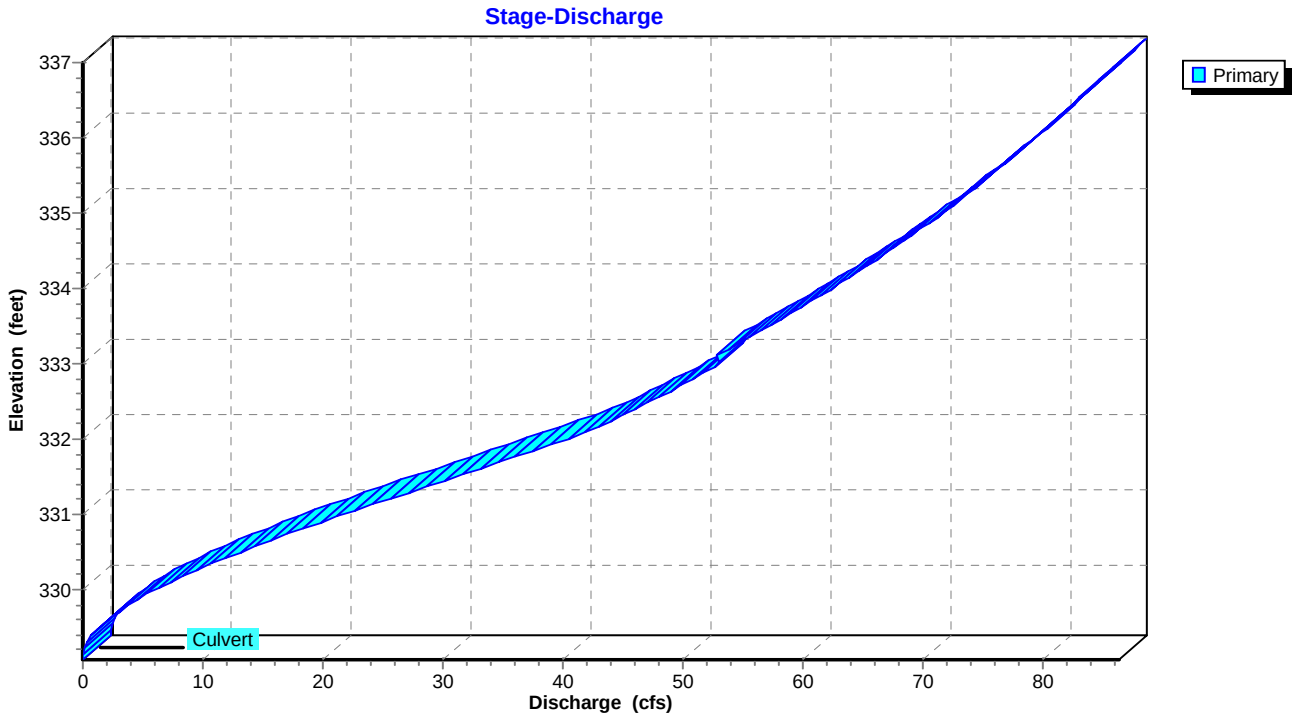
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.16 cfs @ 12.22 hrs HW=331.07' TW=329.75' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 20.16 cfs @ 5.72 fps)

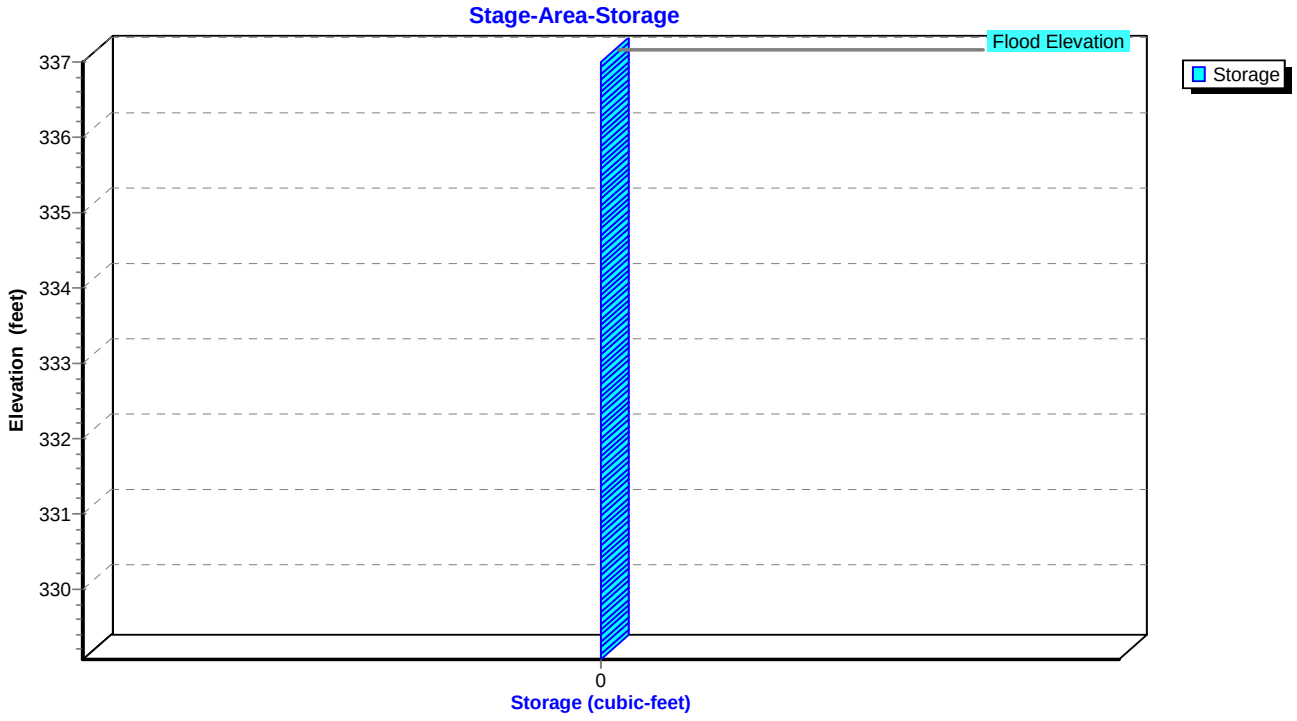
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.08	0.00
7.00	0.01	329.10	0.01
7.50	0.03	329.14	0.03
8.00	0.08	329.18	0.08
8.50	0.15	329.22	0.15
9.00	0.27	329.27	0.27
9.50	0.42	329.31	0.42
10.00	0.60	329.36	0.60
10.50	0.87	329.41	0.87
11.00	1.25	329.48	1.25
11.50	2.08	329.60	2.08
12.00	**10.09**	**330.35**	**10.09**
12.50	**13.12**	**330.57**	**13.12**
13.00	4.09	329.83	4.09
13.50	2.60	329.67	2.60
14.00	2.12	329.61	2.12
14.50	1.79	329.56	1.79
15.00	1.57	329.53	1.57
15.50	1.36	329.50	1.36
16.00	1.14	329.46	1.14
16.50	0.98	329.44	0.98
17.00	0.88	329.42	0.88
17.50	0.78	329.40	0.78
18.00	0.69	329.38	0.69
18.50	0.62	329.36	0.62
19.00	0.59	329.36	0.59
19.50	0.56	329.35	0.56
20.00	0.53	329.34	0.53
20.50	0.51	329.34	0.51
21.00	0.49	329.33	0.49
21.50	0.46	329.32	0.46
22.00	0.44	329.32	0.44
22.50	0.42	329.31	0.42
23.00	0.40	329.31	0.40
23.50	0.38	329.30	0.38
24.00	0.35	329.29	0.35

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

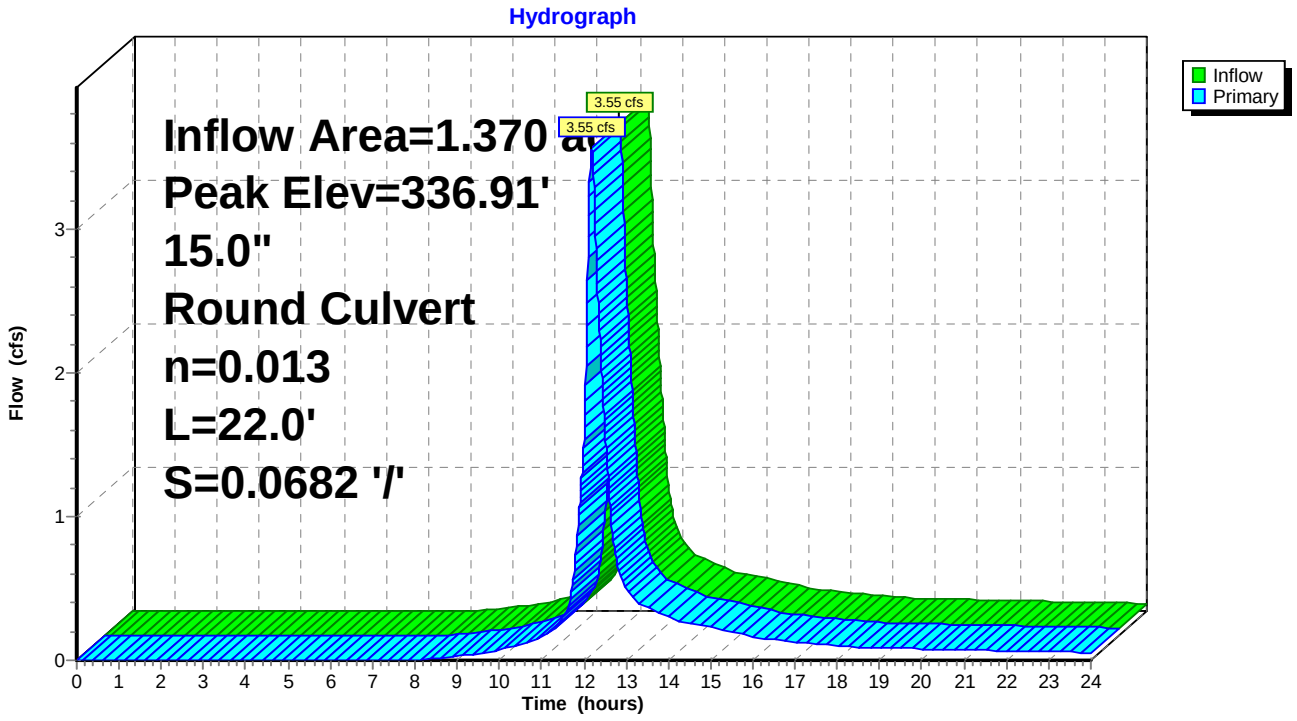
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.79" for 10-Year event
Inflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af
Outflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af, Atten= 0%, Lag= 0.0 min
Primary = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.91' @ 12.19 hrs
Flood Elev= 338.50'

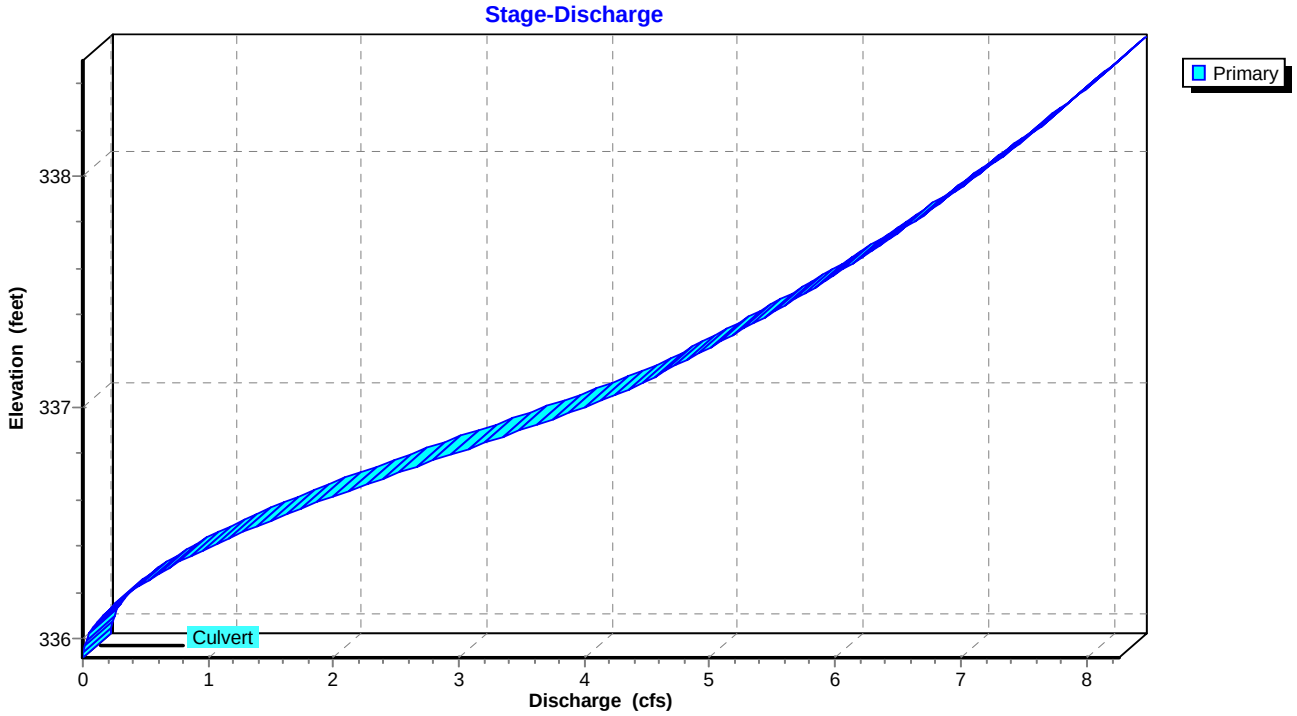
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.55 cfs @ 12.19 hrs HW=336.91' TW=331.06' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.55 cfs @ 3.39 fps)

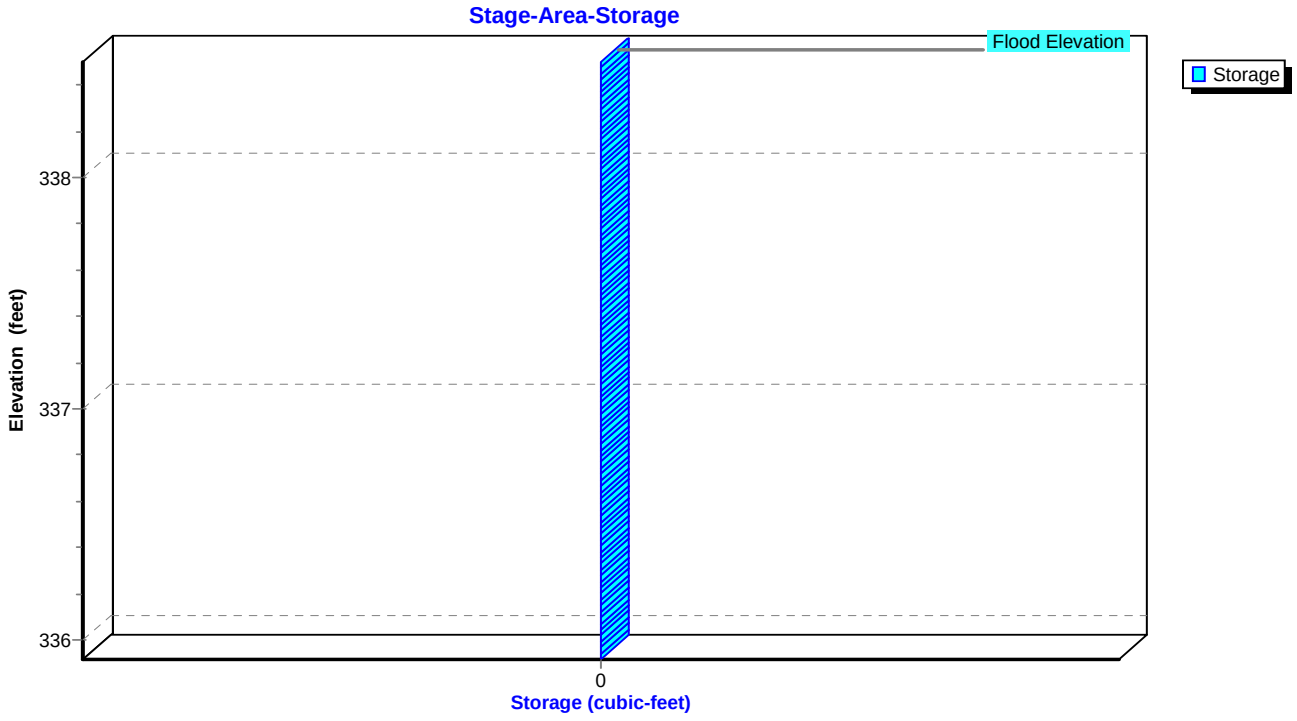
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.94	0.00
8.50	0.01	335.97	0.01
9.00	0.03	335.99	0.03
9.50	0.05	336.02	0.05
10.00	0.07	336.04	0.07
10.50	0.11	336.07	0.11
11.00	0.17	336.11	0.17
11.50	0.29	336.17	0.29
12.00	**1.54**	**336.52**	**1.54**
12.50	**1.61**	**336.54**	**1.61**
13.00	0.51	336.25	0.51
13.50	0.37	336.20	0.37
14.00	0.30	336.17	0.30
14.50	0.26	336.15	0.26
15.00	0.23	336.14	0.23
15.50	0.20	336.12	0.20
16.00	0.16	336.10	0.16
16.50	0.14	336.09	0.14
17.00	0.13	336.08	0.13
17.50	0.11	336.07	0.11
18.00	0.10	336.06	0.10
18.50	0.09	336.06	0.09
19.00	0.09	336.05	0.09
19.50	0.08	336.05	0.08
20.00	0.08	336.05	0.08
20.50	0.07	336.04	0.07
21.00	0.07	336.04	0.07
21.50	0.07	336.04	0.07
22.00	0.06	336.03	0.06
22.50	0.06	336.03	0.06
23.00	0.06	336.03	0.06
23.50	0.06	336.03	0.06
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

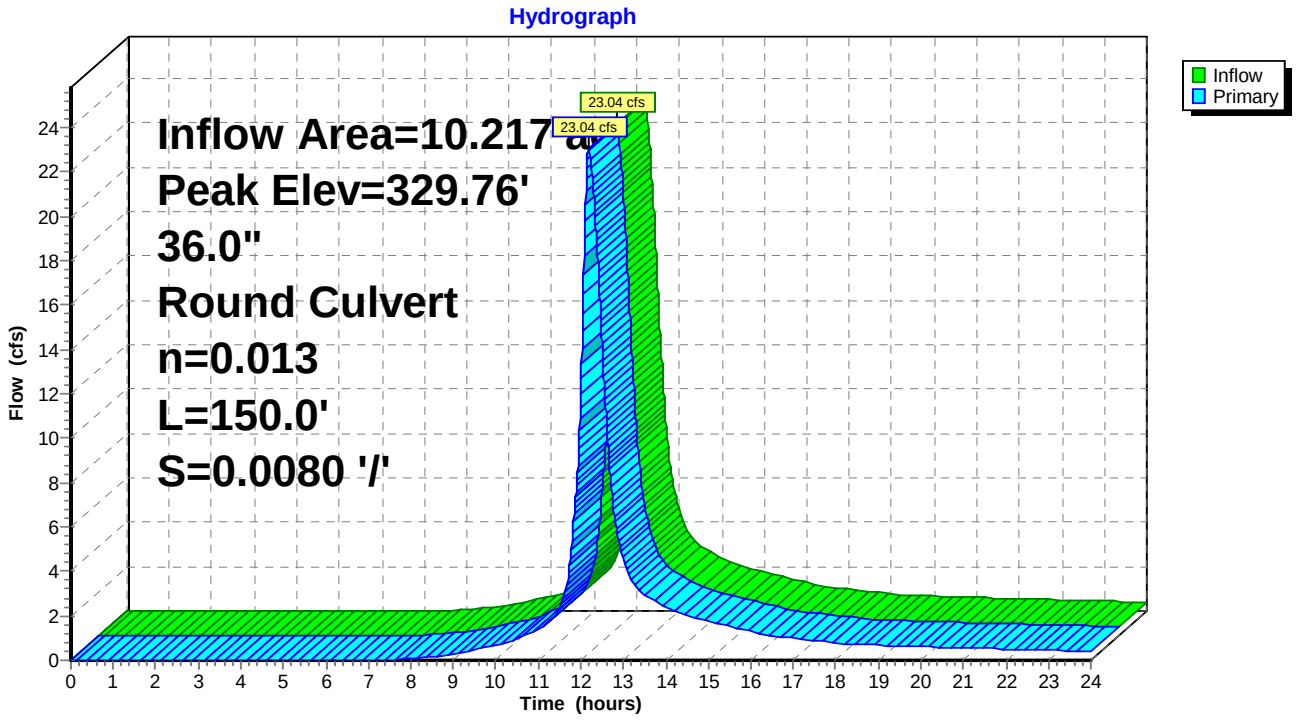
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 2.99" for 10-Year event
Inflow = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af
Outflow = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af, Atten= 0%, Lag= 0.0 min
Primary = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.76' @ 12.19 hrs
Flood Elev= 335.75'

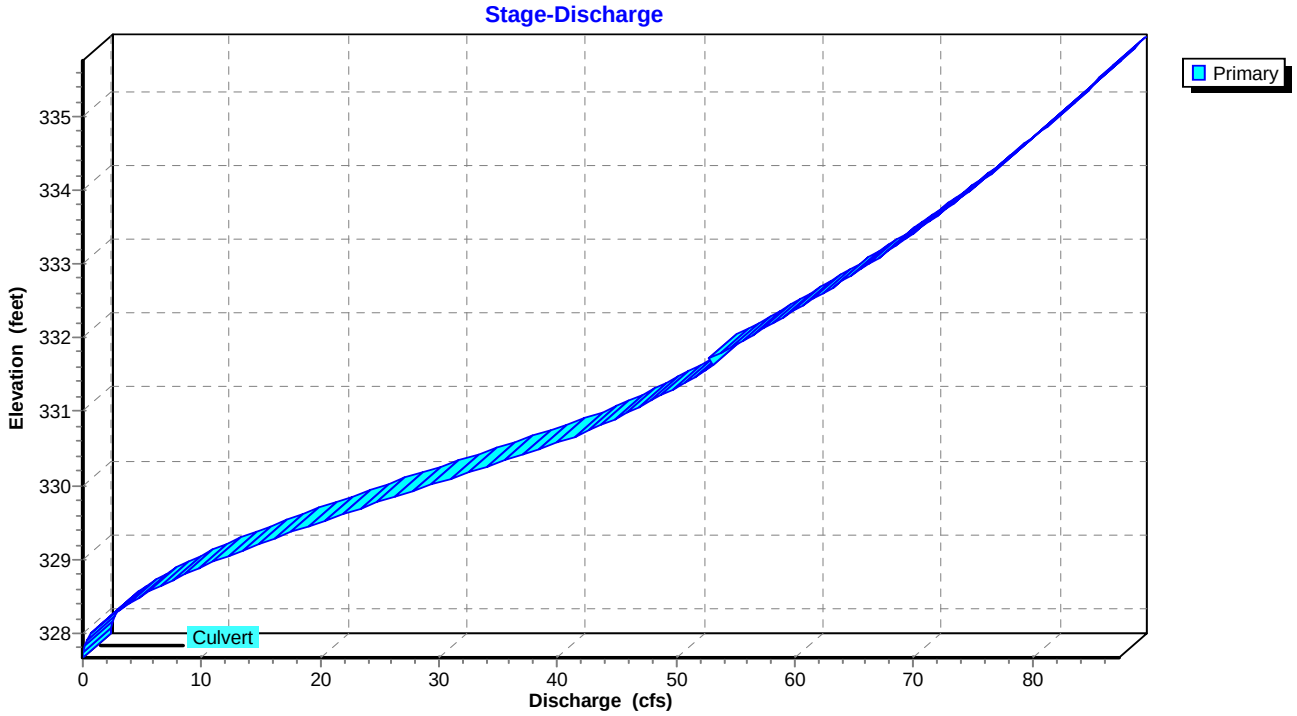
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=23.02 cfs @ 12.19 hrs HW=329.76' TW=328.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 23.02 cfs @ 6.16 fps)

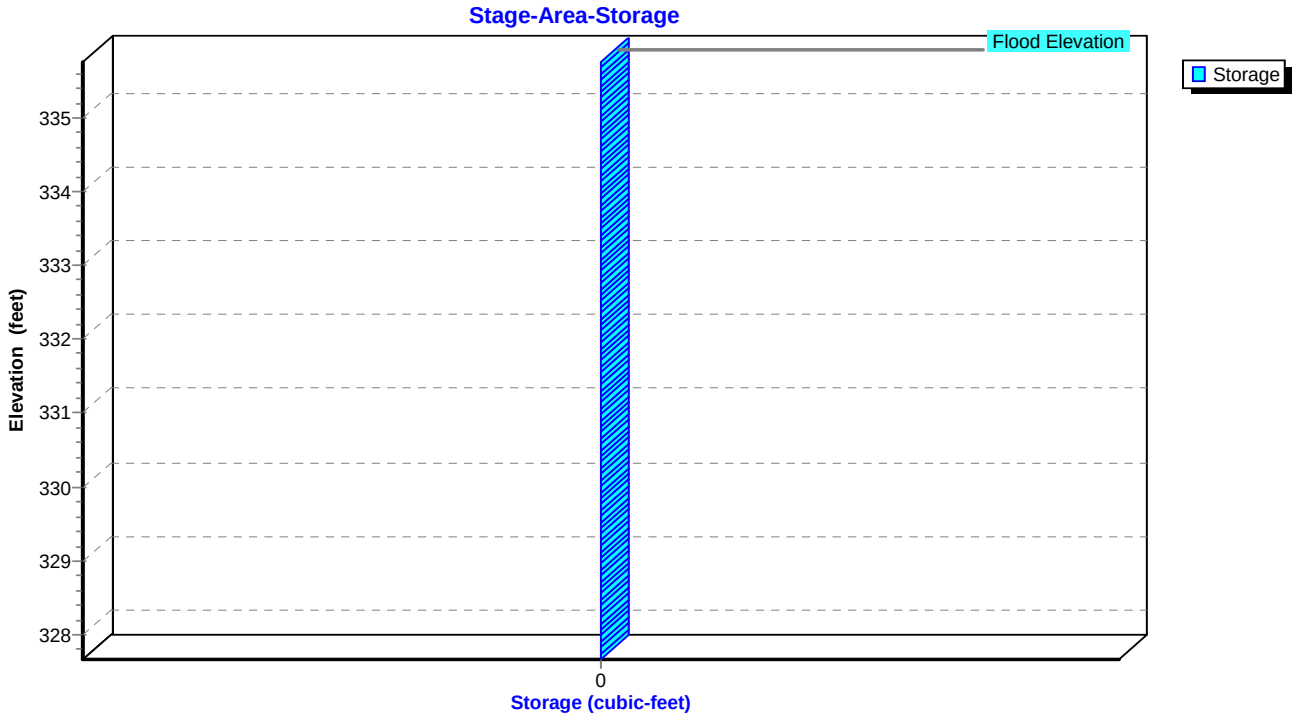
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.68	0.00
7.00	0.01	327.70	0.01
7.50	0.03	327.74	0.03
8.00	0.08	327.78	0.08
8.50	0.16	327.83	0.16
9.00	0.29	327.87	0.29
9.50	0.46	327.92	0.46
10.00	0.67	327.97	0.67
10.50	0.98	328.04	0.98
11.00	1.41	328.11	1.41
11.50	2.38	328.24	2.38
12.00	**12.00**	**329.07**	**12.00**
12.50	**14.25**	**329.21**	**14.25**
13.00	4.52	328.47	4.52
13.50	2.93	328.30	2.93
14.00	2.39	328.24	2.39
14.50	2.02	328.20	2.02
15.00	1.78	328.16	1.78
15.50	1.53	328.13	1.53
16.00	1.28	328.09	1.28
16.50	1.11	328.06	1.11
17.00	0.99	328.04	0.99
17.50	0.88	328.02	0.88
18.00	0.77	328.00	0.77
18.50	0.70	327.98	0.70
19.00	0.67	327.97	0.67
19.50	0.64	327.97	0.64
20.00	0.60	327.96	0.60
20.50	0.58	327.95	0.58
21.00	0.55	327.95	0.55
21.50	0.53	327.94	0.53
22.00	0.50	327.93	0.50
22.50	0.48	327.93	0.48
23.00	0.45	327.92	0.45
23.50	0.43	327.91	0.43
24.00	0.40	327.91	0.40

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

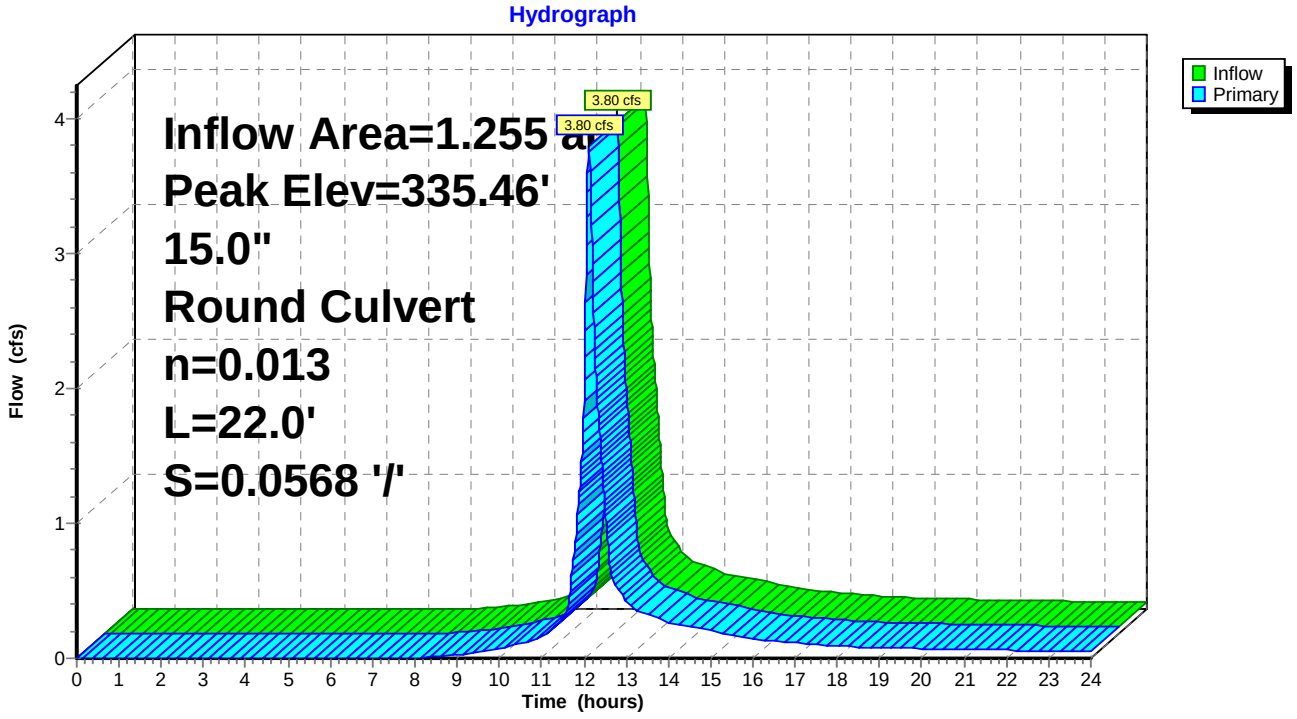
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af
Outflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.46' @ 12.12 hrs
Flood Elev= 337.00'

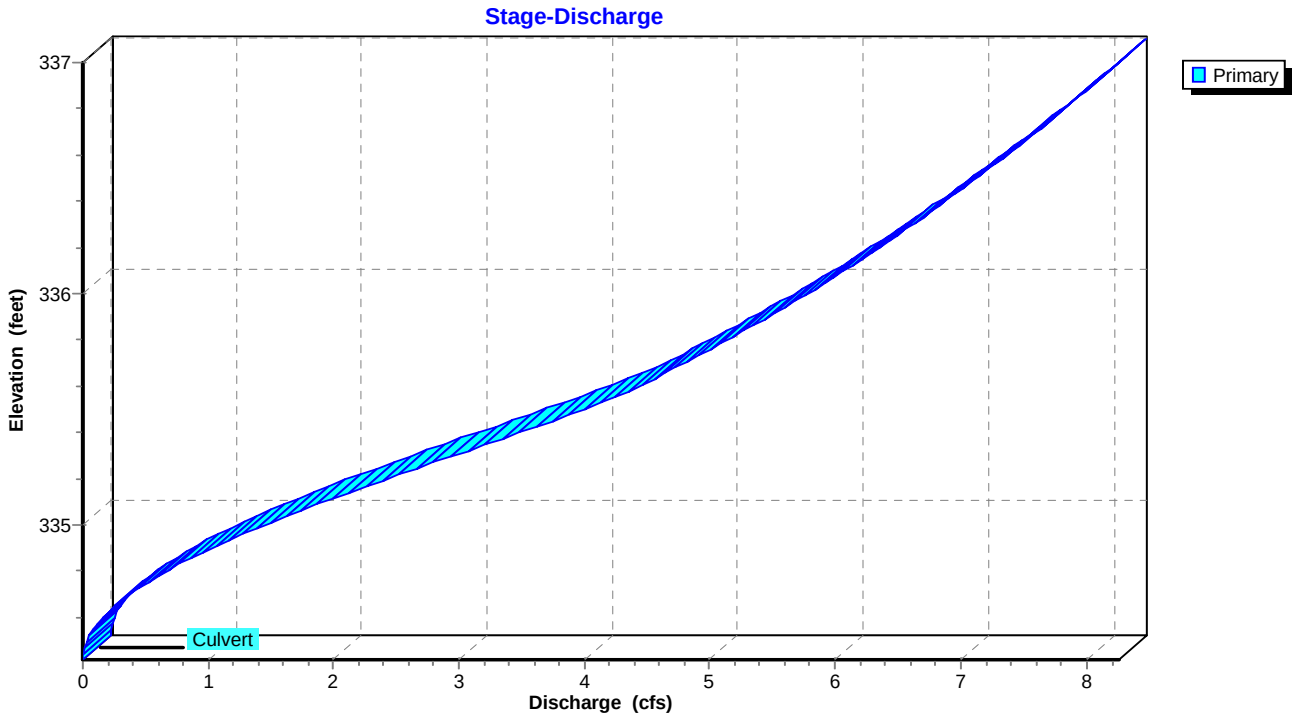
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.80 cfs @ 12.12 hrs HW=335.46' TW=329.64' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.80 cfs @ 3.47 fps)

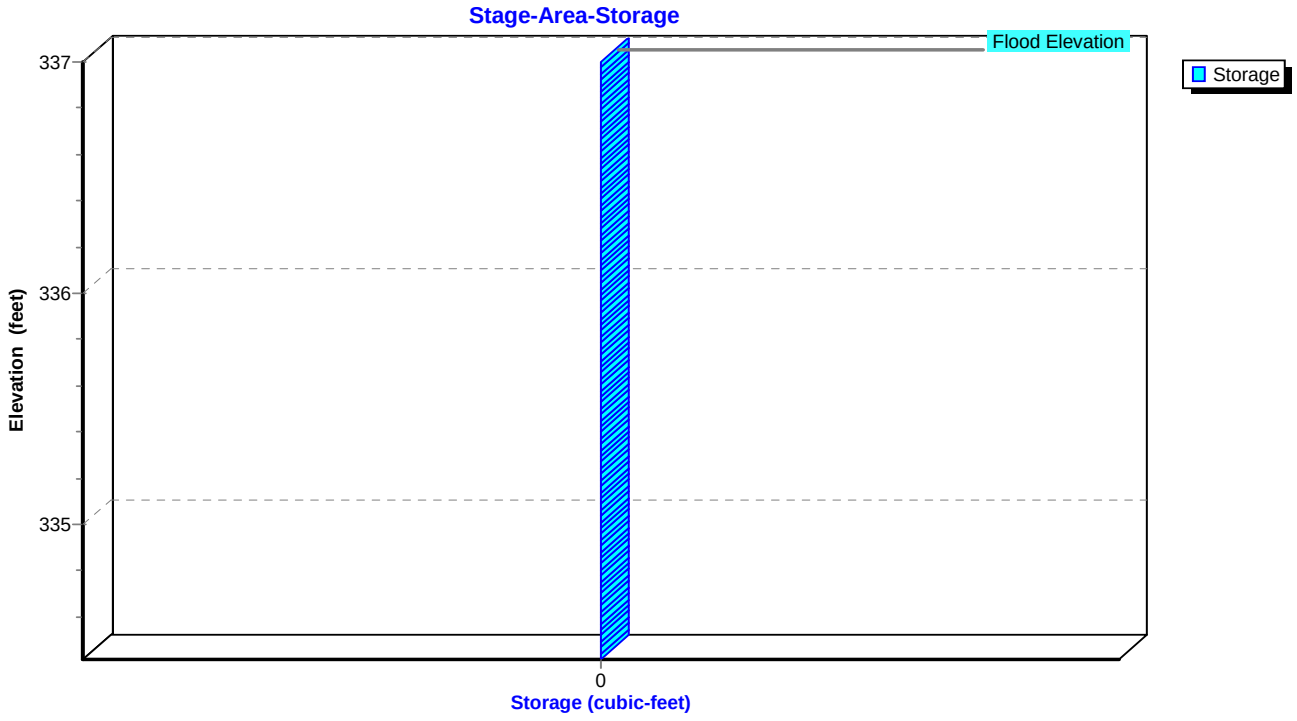
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.44	0.00
8.50	0.01	334.47	0.01
9.00	0.03	334.49	0.03
9.50	0.05	334.52	0.05
10.00	0.07	334.54	0.07
10.50	0.11	334.57	0.11
11.00	0.16	334.60	0.16
11.50	0.30	334.67	0.30
12.00	**1.91**	**335.10**	**1.91**
12.50	**1.13**	**334.93**	**1.13**
13.00	0.43	334.72	0.43
13.50	0.33	334.68	0.33
14.00	0.27	334.66	0.27
14.50	0.23	334.64	0.23
15.00	0.20	334.63	0.20
15.50	0.17	334.61	0.17
16.00	0.15	334.59	0.15
16.50	0.13	334.58	0.13
17.00	0.12	334.57	0.12
17.50	0.10	334.56	0.10
18.00	0.09	334.55	0.09
18.50	0.08	334.55	0.08
19.00	0.08	334.55	0.08
19.50	0.08	334.54	0.08
20.00	0.07	334.54	0.07
20.50	0.07	334.54	0.07
21.00	0.06	334.53	0.06
21.50	0.06	334.53	0.06
22.00	0.06	334.53	0.06
22.50	0.06	334.53	0.06
23.00	0.05	334.52	0.05
23.50	0.05	334.52	0.05
24.00	0.05	334.52	0.05

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

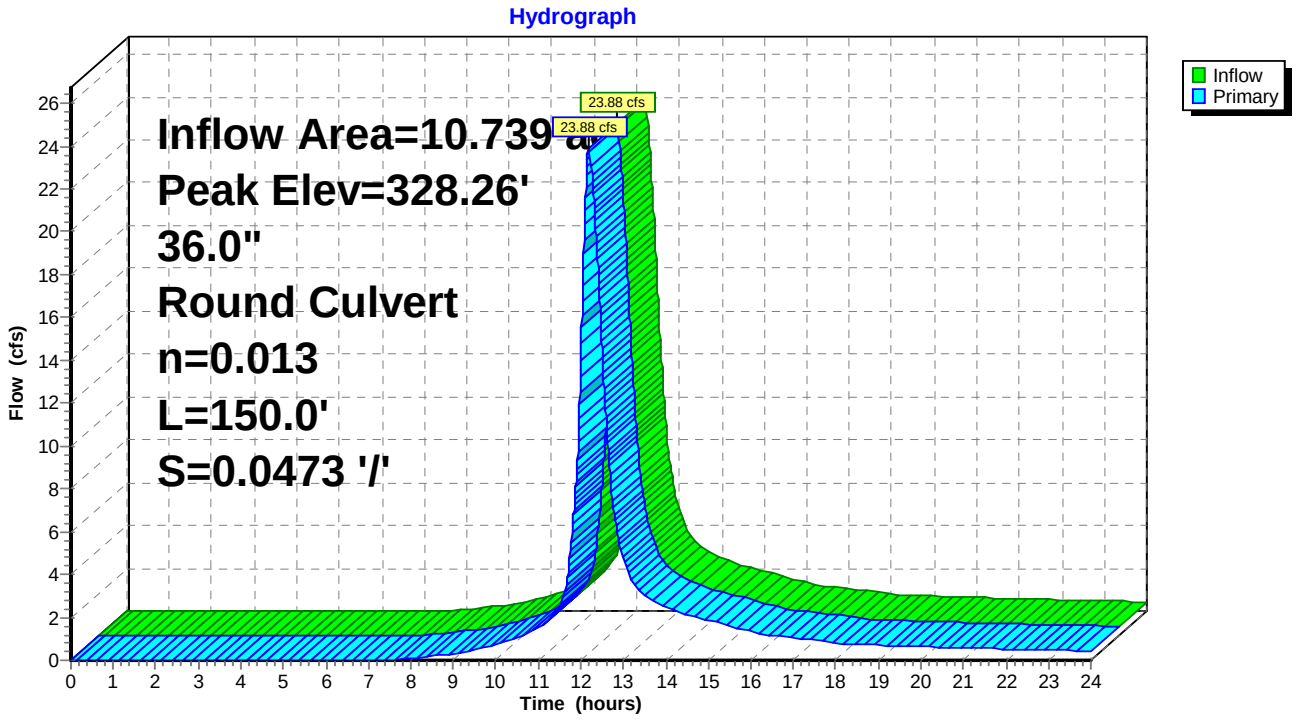
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 2.99" for 10-Year event
Inflow = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af
Outflow = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af, Atten= 0%, Lag= 0.0 min
Primary = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.26' @ 12.18 hrs
Flood Elev= 332.25'

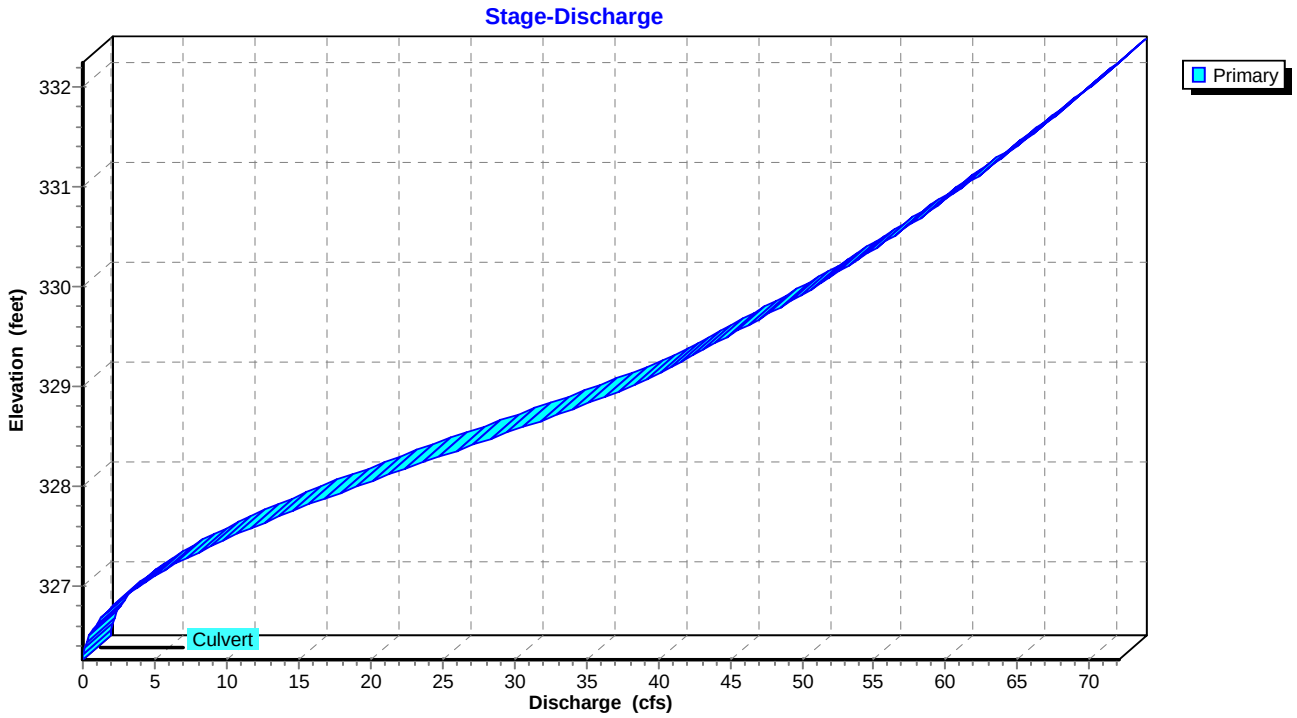
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=23.87 cfs @ 12.18 hrs HW=328.26' TW=321.05' (Dynamic Tailwater)
1=Culvert (Inlet Controls 23.87 cfs @ 4.80 fps)

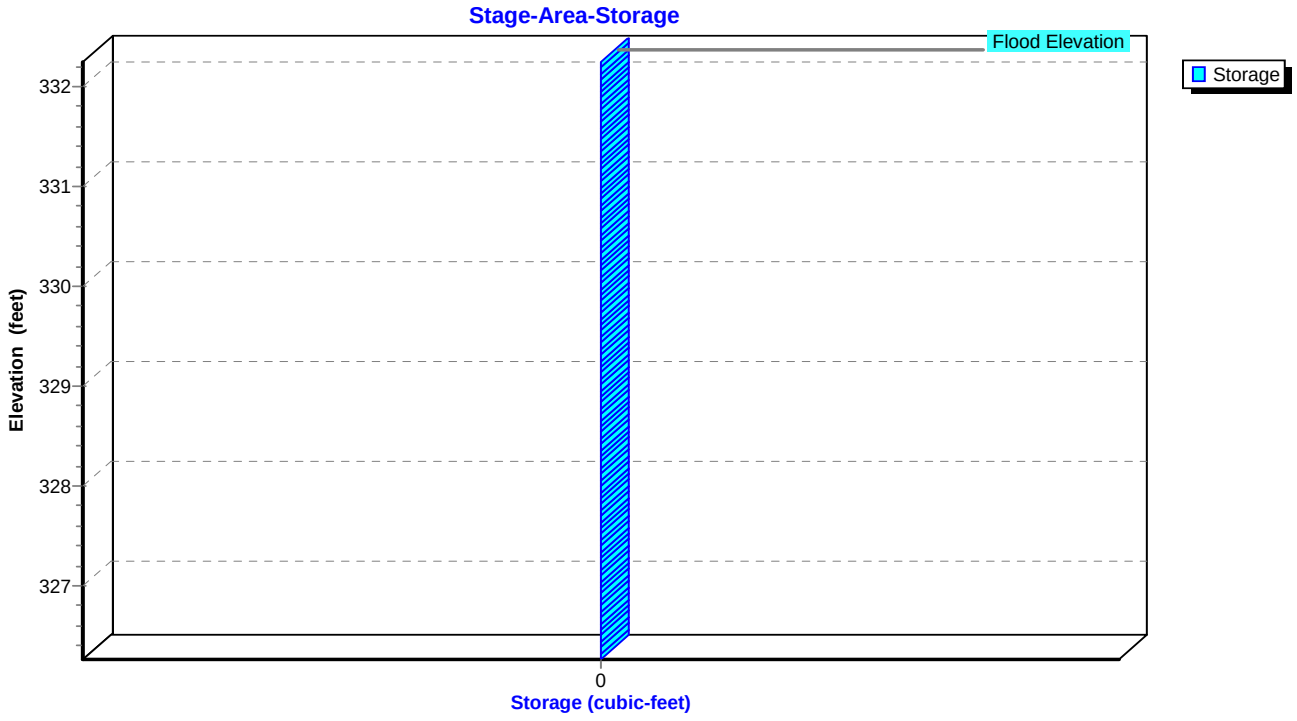
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.01	326.30	0.01
7.50	0.03	326.33	0.03
8.00	0.08	326.37	0.08
8.50	0.18	326.42	0.18
9.00	0.31	326.47	0.31
9.50	0.49	326.52	0.49
10.00	0.71	326.58	0.71
10.50	1.03	326.64	1.03
11.00	1.49	326.72	1.49
11.50	2.53	326.86	2.53
12.00	**14.00**	**327.73**	**14.00**
12.50	**14.53**	**327.76**	**14.53**
13.00	4.68	327.08	4.68
13.50	3.07	326.92	3.07
14.00	2.50	326.85	2.50
14.50	2.12	326.80	2.12
15.00	1.86	326.77	1.86
15.50	1.60	326.73	1.60
16.00	1.34	326.69	1.34
16.50	1.16	326.66	1.16
17.00	1.04	326.64	1.04
17.50	0.93	326.62	0.93
18.00	0.81	326.60	0.81
18.50	0.74	326.58	0.74
19.00	0.70	326.57	0.70
19.50	0.67	326.57	0.67
20.00	0.63	326.56	0.63
20.50	0.60	326.55	0.60
21.00	0.58	326.54	0.58
21.50	0.55	326.54	0.55
22.00	0.53	326.53	0.53
22.50	0.50	326.53	0.50
23.00	0.47	326.52	0.47
23.50	0.45	326.51	0.45
24.00	0.42	326.50	0.42

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

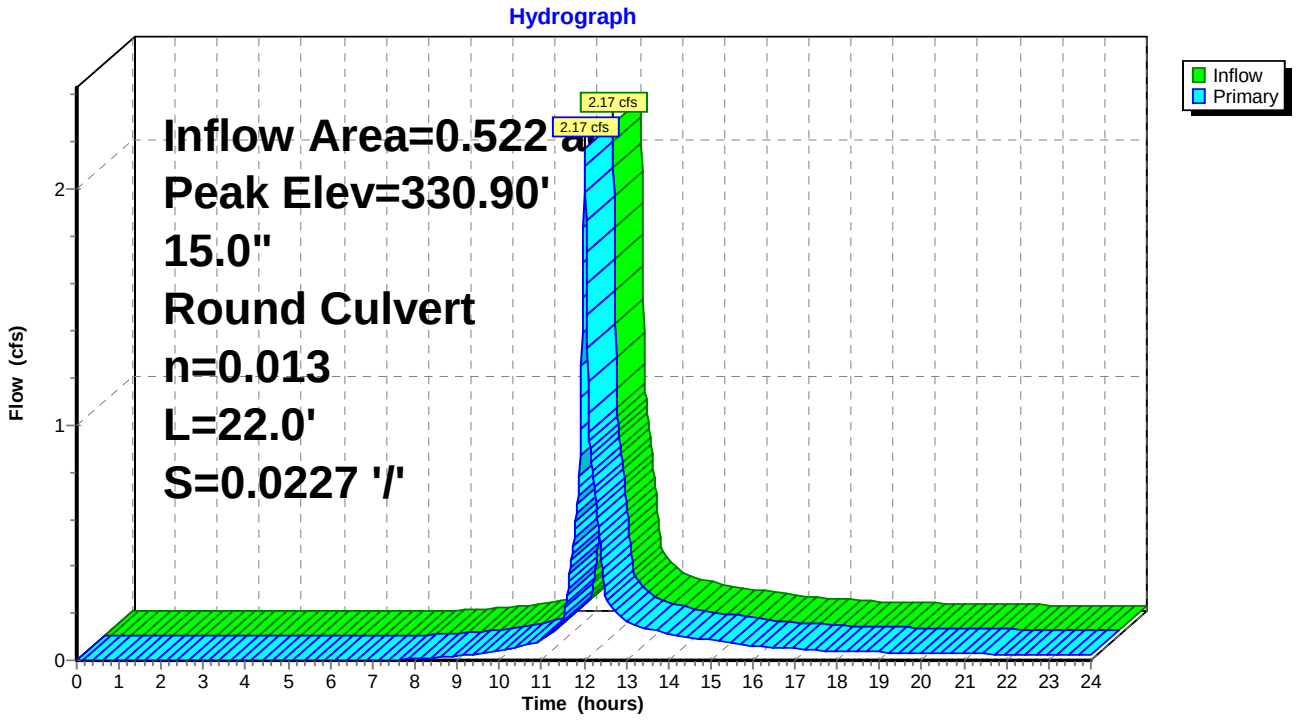
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af
Outflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min
Primary = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.90' @ 12.02 hrs
Flood Elev= 332.80'

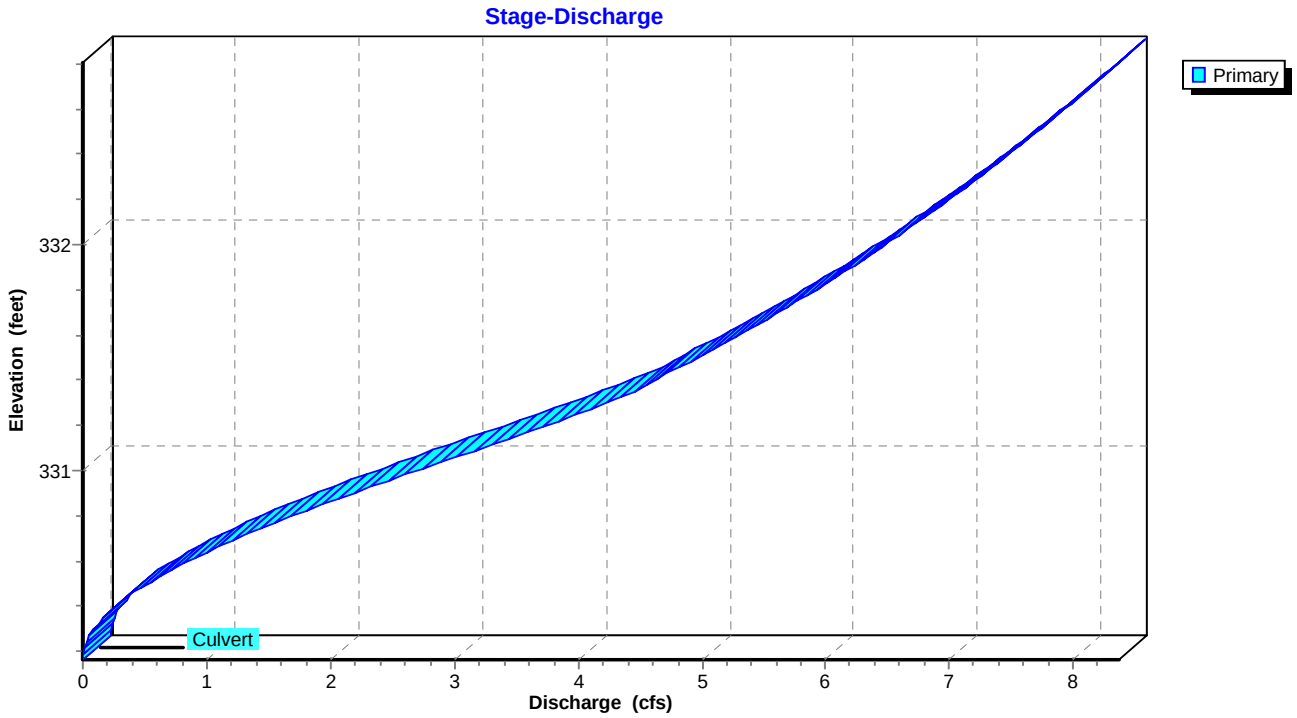
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.17 cfs @ 12.02 hrs HW=330.90' TW=327.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.17 cfs @ 2.91 fps)

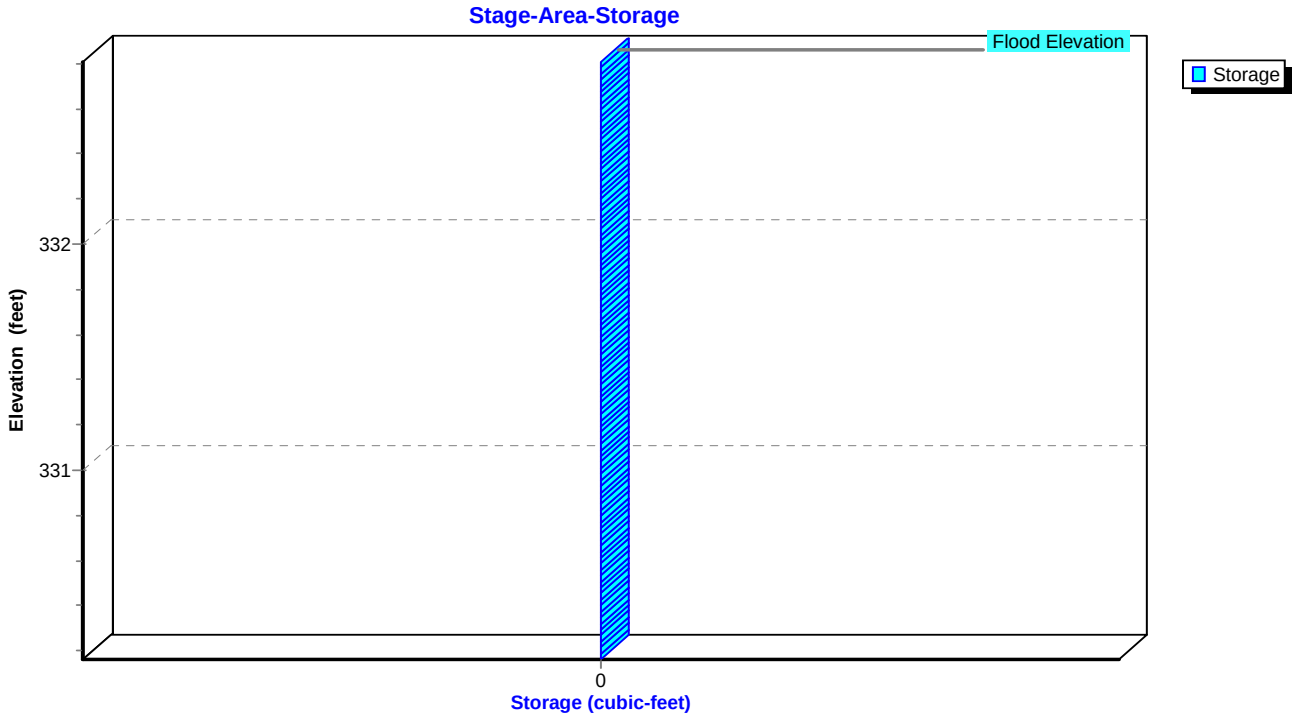
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.19	0.00
8.00	0.01	330.20	0.01
8.50	0.01	330.22	0.01
9.00	0.02	330.23	0.02
9.50	0.03	330.24	0.03
10.00	0.04	330.26	0.04
10.50	0.06	330.28	0.06
11.00	0.08	330.30	0.08
11.50	0.16	330.35	0.16
12.00	**2.00**	**330.87**	**2.00**
12.50	**0.29**	**330.41**	**0.29**
13.00	0.16	330.35	0.16
13.50	0.14	330.34	0.14
14.00	0.11	330.32	0.11
14.50	0.10	330.31	0.10
15.00	0.08	330.30	0.08
15.50	0.07	330.29	0.07
16.00	0.06	330.28	0.06
16.50	0.05	330.27	0.05
17.00	0.05	330.27	0.05
17.50	0.04	330.26	0.04
18.00	0.04	330.26	0.04
18.50	0.04	330.25	0.04
19.00	0.03	330.25	0.03
19.50	0.03	330.25	0.03
20.00	0.03	330.25	0.03
20.50	0.03	330.25	0.03
21.00	0.03	330.24	0.03
21.50	0.03	330.24	0.03
22.00	0.02	330.24	0.02
22.50	0.02	330.24	0.02
23.00	0.02	330.24	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

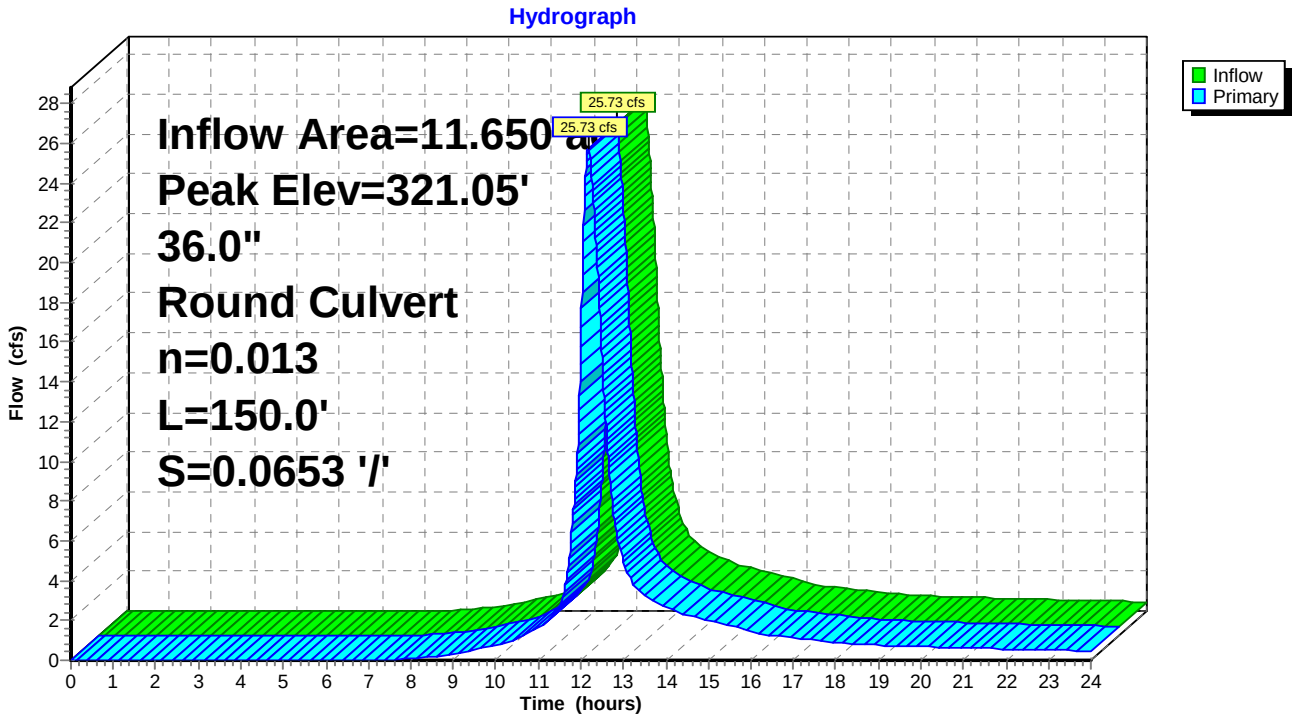
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af
Outflow = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af, Atten= 0%, Lag= 0.0 min
Primary = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.05' @ 12.17 hrs
Flood Elev= 338.50'

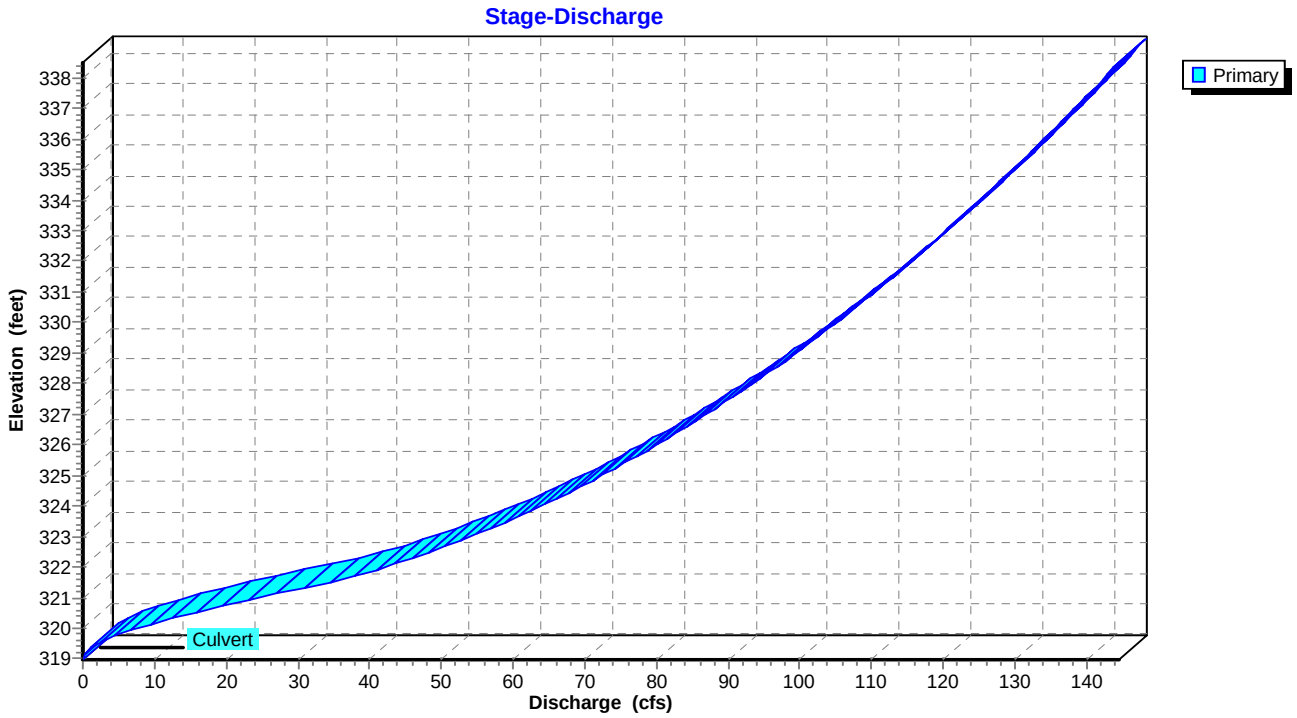
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.72 cfs @ 12.17 hrs HW=321.05' TW=311.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 25.72 cfs @ 4.91 fps)

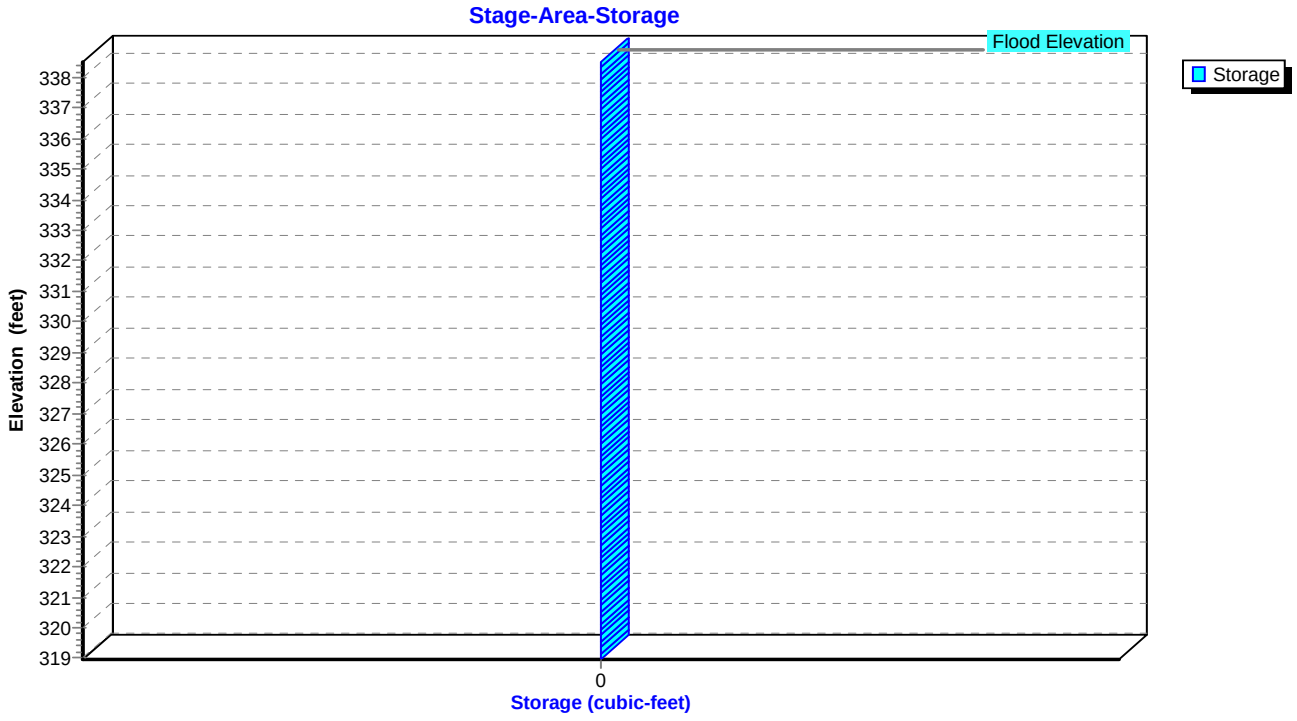
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.01	319.00	0.01
7.50	0.03	319.03	0.03
8.00	0.08	319.07	0.08
8.50	0.18	319.12	0.18
9.00	0.33	319.18	0.33
9.50	0.52	319.23	0.52
10.00	0.76	319.29	0.76
10.50	1.11	319.35	1.11
11.00	1.60	319.43	1.60
11.50	2.75	319.58	2.75
12.00	**15.79**	**320.53**	**15.79**
12.50	**15.20**	**320.50**	**15.20**
13.00	4.97	319.80	4.97
13.50	3.29	319.64	3.29
14.00	2.69	319.57	2.69
14.50	2.28	319.53	2.28
15.00	2.01	319.49	2.01
15.50	1.73	319.45	1.73
16.00	1.44	319.41	1.44
16.50	1.25	319.38	1.25
17.00	1.12	319.36	1.12
17.50	1.00	319.33	1.00
18.00	0.87	319.31	0.87
18.50	0.80	319.29	0.80
19.00	0.76	319.29	0.76
19.50	0.72	319.28	0.72
20.00	0.68	319.27	0.68
20.50	0.65	319.26	0.65
21.00	0.62	319.26	0.62
21.50	0.60	319.25	0.60
22.00	0.57	319.24	0.57
22.50	0.54	319.24	0.54
23.00	0.51	319.23	0.51
23.50	0.48	319.22	0.48
24.00	0.45	319.21	0.45

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

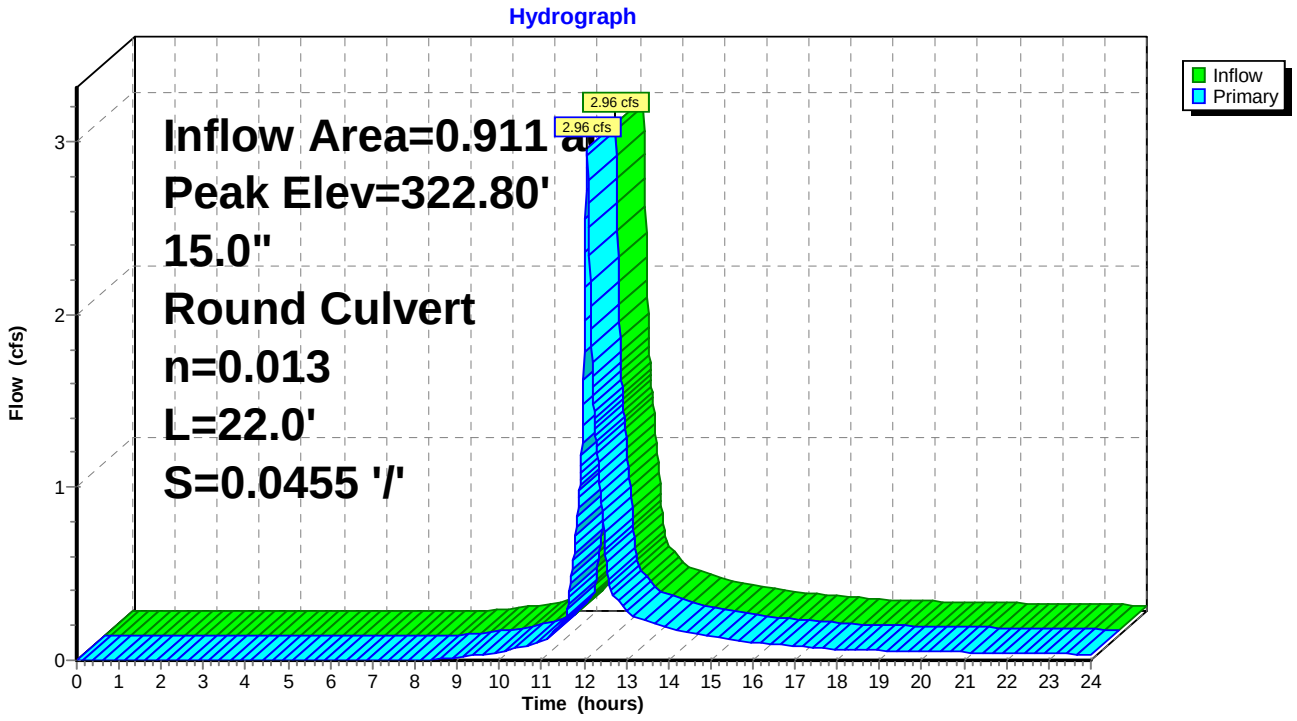
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af
Outflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af, Atten= 0%, Lag= 0.0 min
Primary = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.80' @ 12.08 hrs
Flood Elev= 324.50'

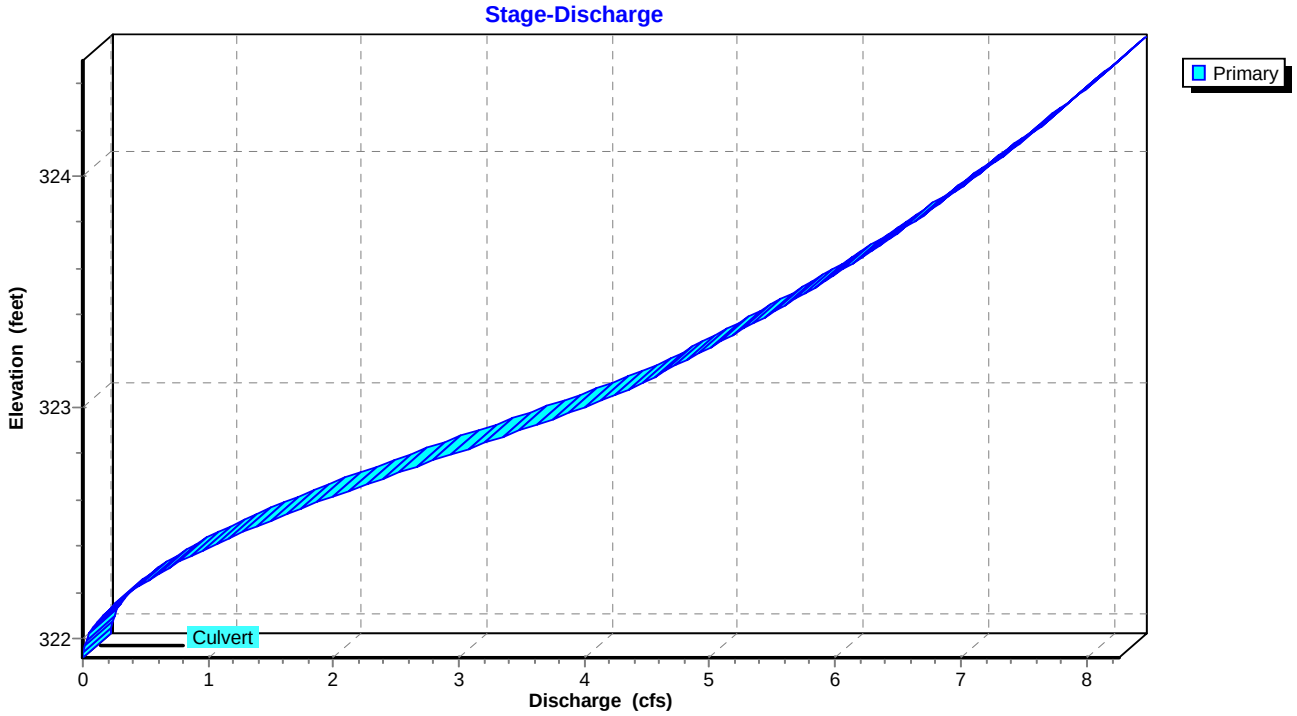
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.96 cfs @ 12.08 hrs HW=322.80' TW=320.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.96 cfs @ 3.20 fps)

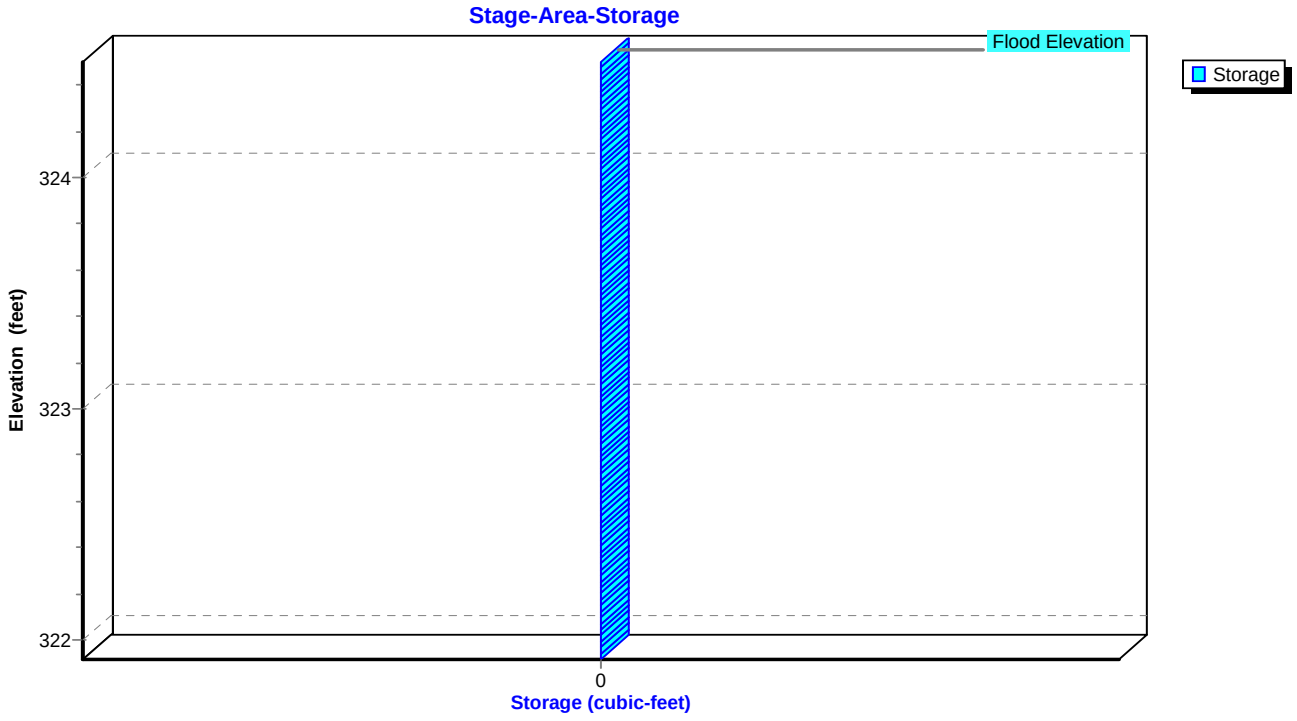
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.01	321.96	0.01
9.00	0.02	321.98	0.02
9.50	0.03	322.00	0.03
10.00	0.05	322.02	0.05
10.50	0.07	322.04	0.07
11.00	0.11	322.07	0.11
11.50	0.21	322.13	0.21
12.00	**1.79**	**322.57**	**1.79**
12.50	**0.67**	**322.30**	**0.67**
13.00	0.29	322.17	0.29
13.50	0.23	322.14	0.23
14.00	0.19	322.12	0.19
14.50	0.16	322.10	0.16
15.00	0.14	322.09	0.14
15.50	0.12	322.08	0.12
16.00	0.10	322.06	0.10
16.50	0.09	322.06	0.09
17.00	0.08	322.05	0.08
17.50	0.07	322.04	0.07
18.00	0.06	322.03	0.06
18.50	0.06	322.03	0.06
19.00	0.06	322.03	0.06
19.50	0.05	322.02	0.05
20.00	0.05	322.02	0.05
20.50	0.05	322.02	0.05
21.00	0.05	322.02	0.05
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.04	322.01	0.04
23.00	0.04	322.01	0.04
23.50	0.04	322.00	0.04
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

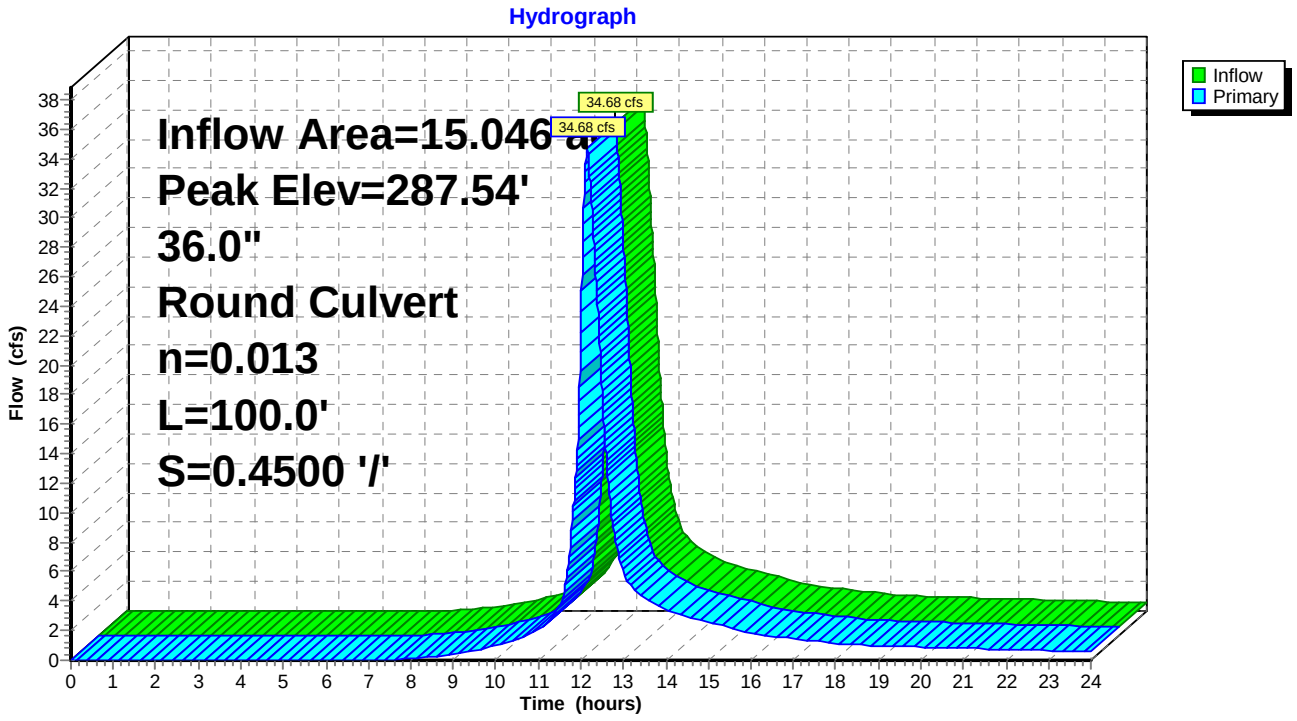
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 2.95" for 10-Year event
Inflow = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af
Outflow = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af, Atten= 0%, Lag= 0.0 min
Primary = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 287.54' @ 12.15 hrs
Flood Elev= 295.00'

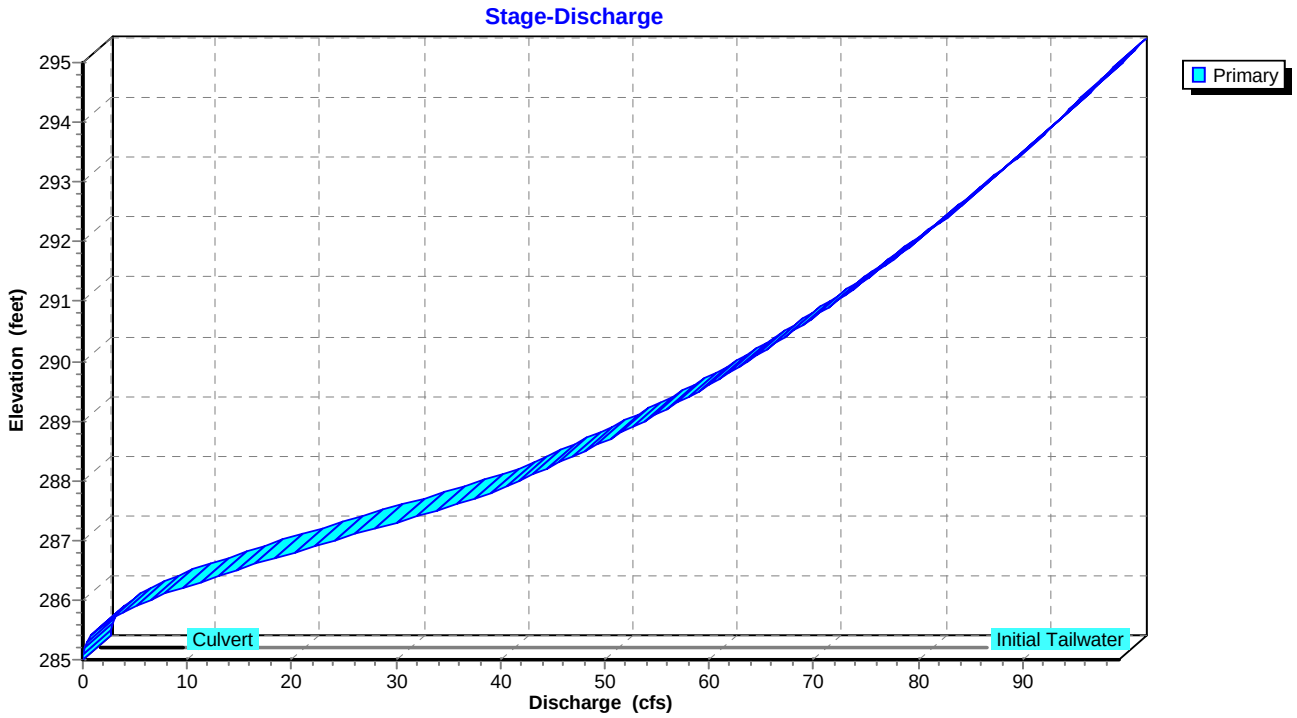
Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=34.67 cfs @ 12.15 hrs HW=287.54' TW=285.27' (Dynamic Tailwater)
1=Culvert (Inlet Controls 34.67 cfs @ 5.43 fps)

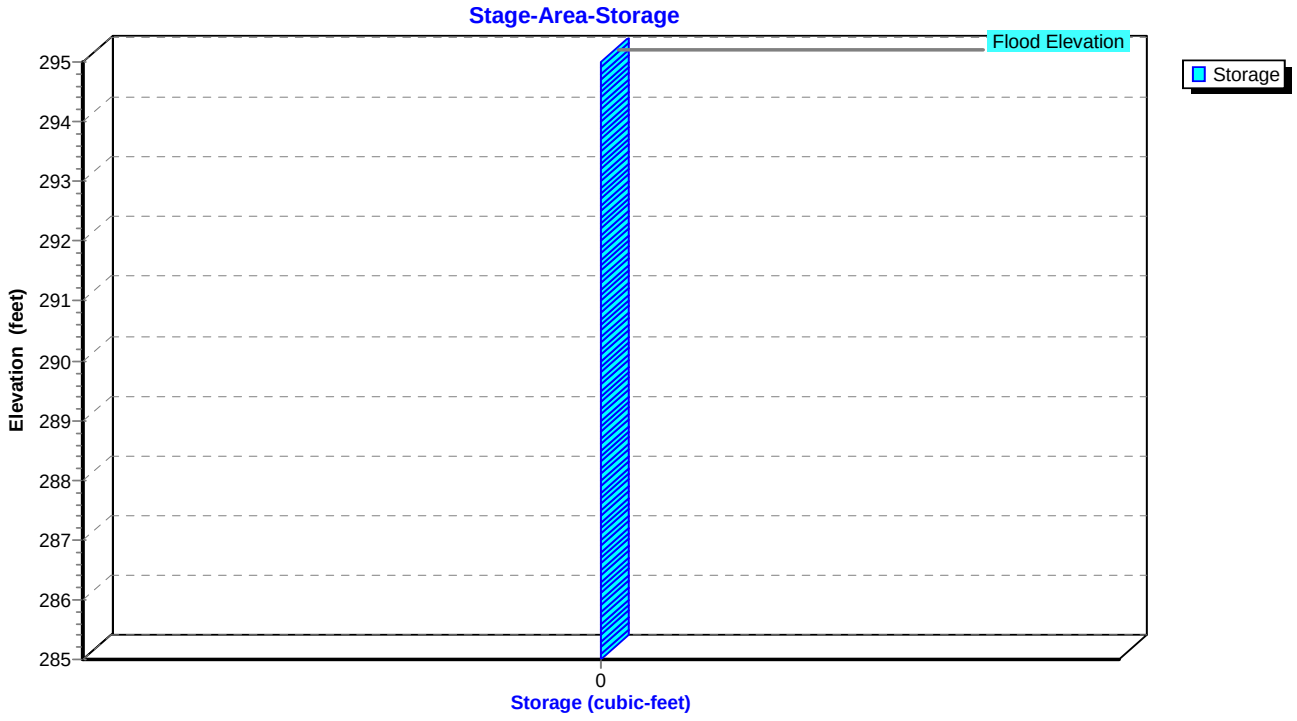
Pond MH1: (new Pond)



Pond MH1: (new Pond)



Pond MH1: (new Pond)



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.00	0.00
5.50	0.00	285.00	0.00
6.00	0.00	285.00	0.00
6.50	0.00	285.01	0.00
7.00	0.01	285.06	0.01
7.50	0.04	285.12	0.04
8.00	0.10	285.18	0.10
8.50	0.23	285.25	0.23
9.00	0.42	285.32	0.42
9.50	0.67	285.38	0.67
10.00	0.98	285.45	0.98
10.50	1.44	285.53	1.44
11.00	2.07	285.62	2.07
11.50	3.61	285.79	3.61
12.00	**22.23**	**286.90**	**22.23**
12.50	**18.25**	**286.69**	**18.25**
13.00	6.13	286.00	6.13
13.50	4.19	285.84	4.19
14.00	3.42	285.77	3.42
14.50	2.92	285.72	2.92
15.00	2.56	285.68	2.56
15.50	2.21	285.64	2.21
16.00	1.84	285.59	1.84
16.50	1.60	285.55	1.60
17.00	1.44	285.53	1.44
17.50	1.28	285.50	1.28
18.00	1.12	285.48	1.12
18.50	1.03	285.46	1.03
19.00	0.98	285.45	0.98
19.50	0.93	285.44	0.93
20.00	0.88	285.43	0.88
20.50	0.84	285.42	0.84
21.00	0.80	285.41	0.80
21.50	0.77	285.41	0.77
22.00	0.73	285.40	0.73
22.50	0.69	285.39	0.69
23.00	0.66	285.38	0.66
23.50	0.62	285.37	0.62
24.00	0.58	285.36	0.58

Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.38' Inflow=6.04 cfs 0.715 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=6.04 cfs 0.715 af

Pond CB10: Catchbasin Peak Elev=311.52' Inflow=34.85 cfs 3.956 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=34.85 cfs 3.956 af

Pond CB10-1: CB1-1 Peak Elev=312.89' Inflow=3.45 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.45 cfs 0.209 af

Pond CB11: Catchbasin Peak Elev=300.70' Inflow=37.24 cfs 4.155 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=37.24 cfs 4.155 af

Pond CB11-1: CB1-1 Peak Elev=302.95' Inflow=2.43 cfs 0.199 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.43 cfs 0.199 af

Pond CB12: Catchbasin Peak Elev=299.51' Inflow=42.19 cfs 4.561 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=42.19 cfs 4.561 af

Pond CB12-1: CB1-1 Peak Elev=301.11' Inflow=5.33 cfs 0.406 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=5.33 cfs 0.406 af

Pond CB13: Catchbasin Peak Elev=297.23' Inflow=45.16 cfs 4.816 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=45.16 cfs 4.816 af

Pond CB13-1: CB1-1 Peak Elev=297.56' Inflow=2.99 cfs 0.254 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.99 cfs 0.254 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.21' Inflow=12.84 cfs 1.452 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=12.84 cfs 1.452 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=343.56' Inflow=15.76 cfs 1.772 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=15.76 cfs 1.772 af

Pond CB4: Catchbasin Peak Elev=333.81' Inflow=21.02 cfs 2.411 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=21.02 cfs 2.411 af

Pond CB4-1: CB1-1 Peak Elev=337.93' Inflow=21.02 cfs 2.411 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=21.02 cfs 2.411 af

Pond CB5: Catchbasin Peak Elev=332.65' Inflow=21.57 cfs 2.504 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=21.57 cfs 2.504 af

Pond CB5-1: CB1-1 Peak Elev=334.53' Inflow=1.57 cfs 0.093 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.57 cfs 0.093 af

Pond CB6: Catchbasin Peak Elev=331.48' Inflow=26.06 cfs 2.923 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=26.06 cfs 2.923 af

Pond CB6-1: CB1-1 Peak Elev=337.17' Inflow=4.66 cfs 0.419 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=4.66 cfs 0.419 af

Pond CB7: Catchbasin Peak Elev=330.17' Inflow=29.93 cfs 3.307 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=29.93 cfs 3.307 af

Pond CB7-1: CB1-1 Peak Elev=335.75' Inflow=4.97 cfs 0.384 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=4.97 cfs 0.384 af

Pond CB8: Catchbasin Peak Elev=328.62' Inflow=31.00 cfs 3.476 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=31.00 cfs 3.476 af

Pond CB8-1: CB1-1 Peak Elev=331.02' Inflow=2.81 cfs 0.169 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.81 cfs 0.169 af

Pond CB9: Catchbasin Peak Elev=321.45' Inflow=33.48 cfs 3.748 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=33.48 cfs 3.748 af

Pond CB9-1: CB1-1 Peak Elev=322.98' Inflow=3.90 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.90 cfs 0.271 af

Pond MH1: (new Pond) Peak Elev=288.26' Inflow=45.16 cfs 4.816 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=45.16 cfs 4.816 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

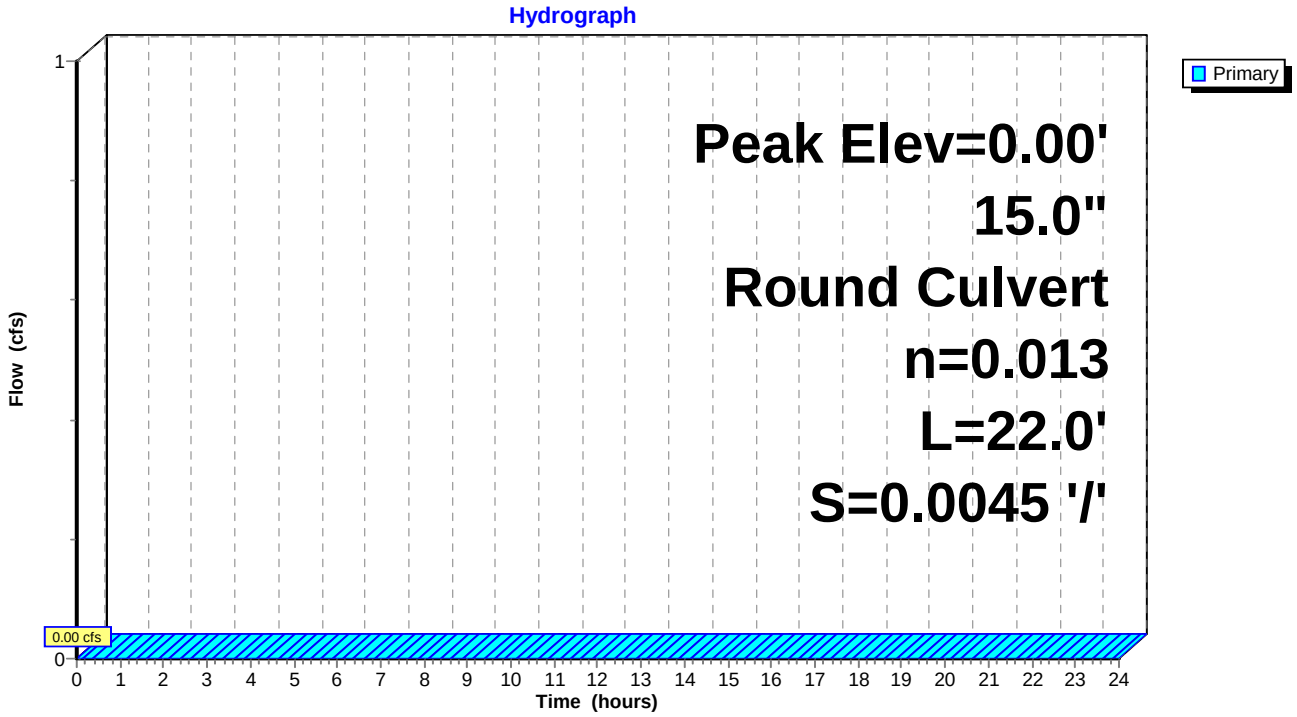
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

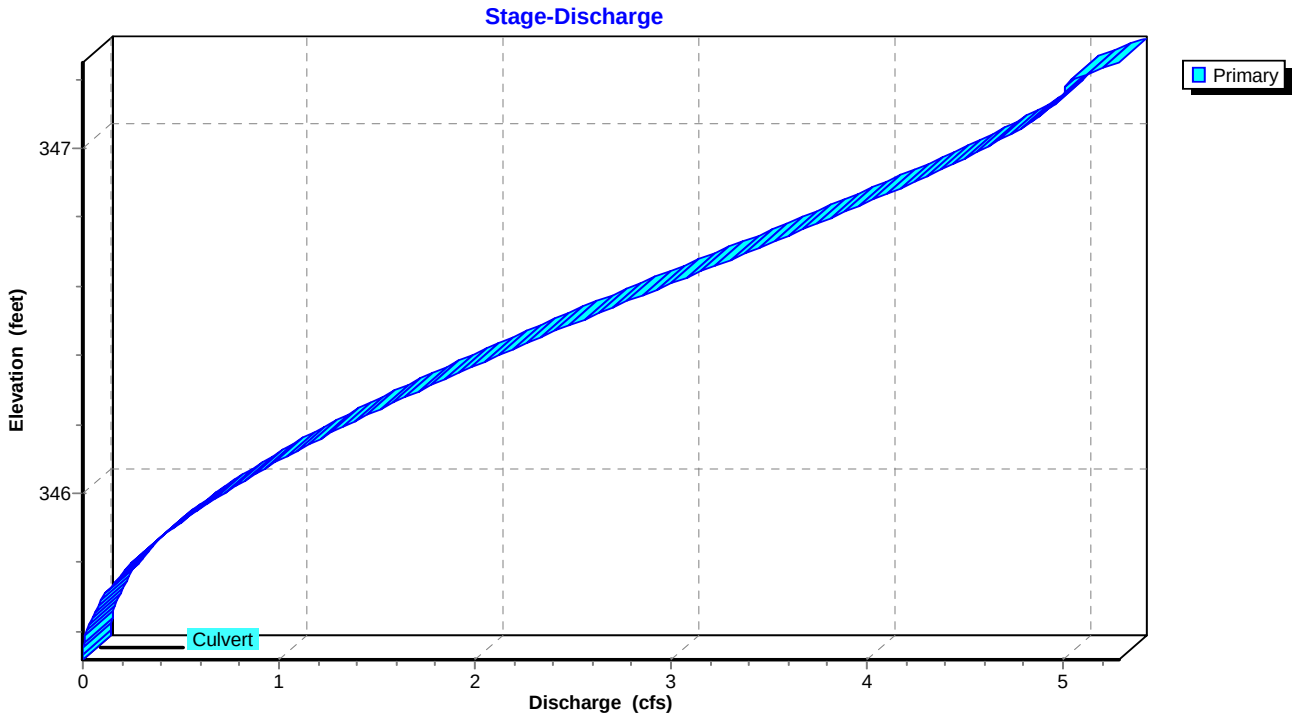
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

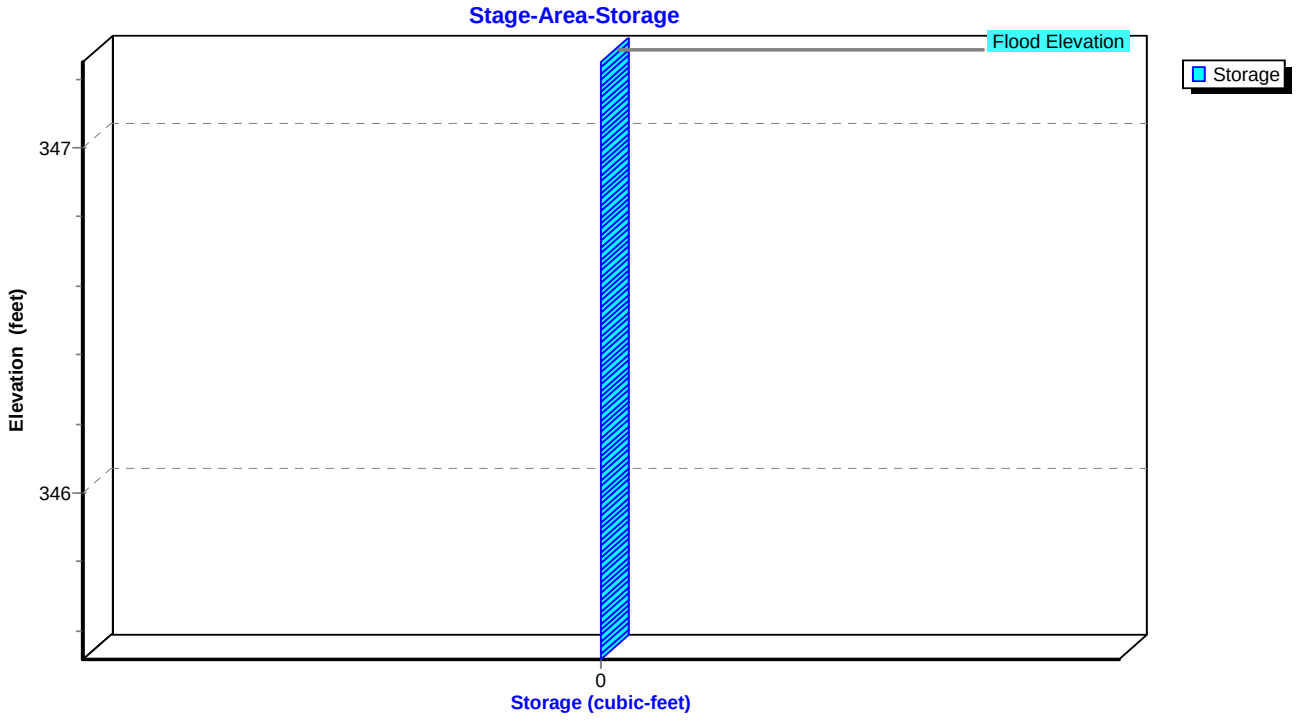
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

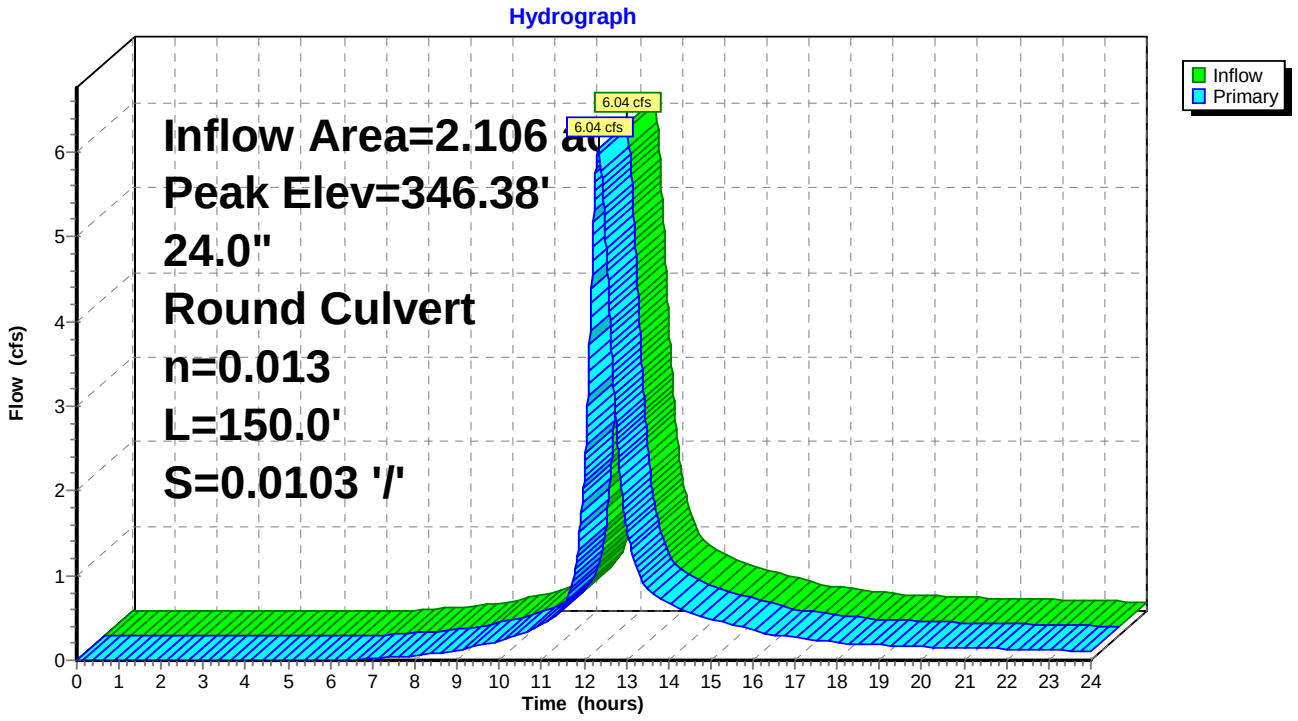
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 4.07" for 25-Year event
Inflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af
Outflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af, Atten= 0%, Lag= 0.0 min
Primary = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.38' @ 12.33 hrs
Flood Elev= 348.80'

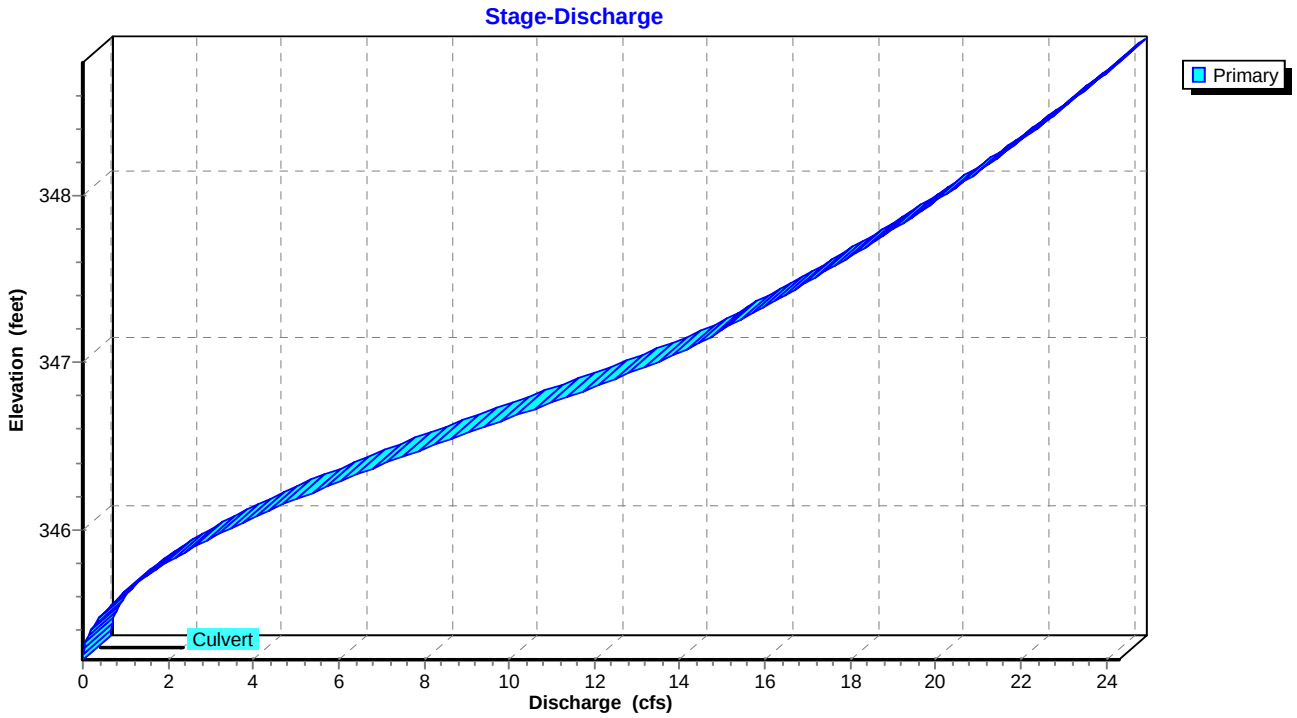
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=6.07 cfs @ 12.34 hrs HW=346.38' TW=345.18' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.07 cfs @ 4.63 fps)

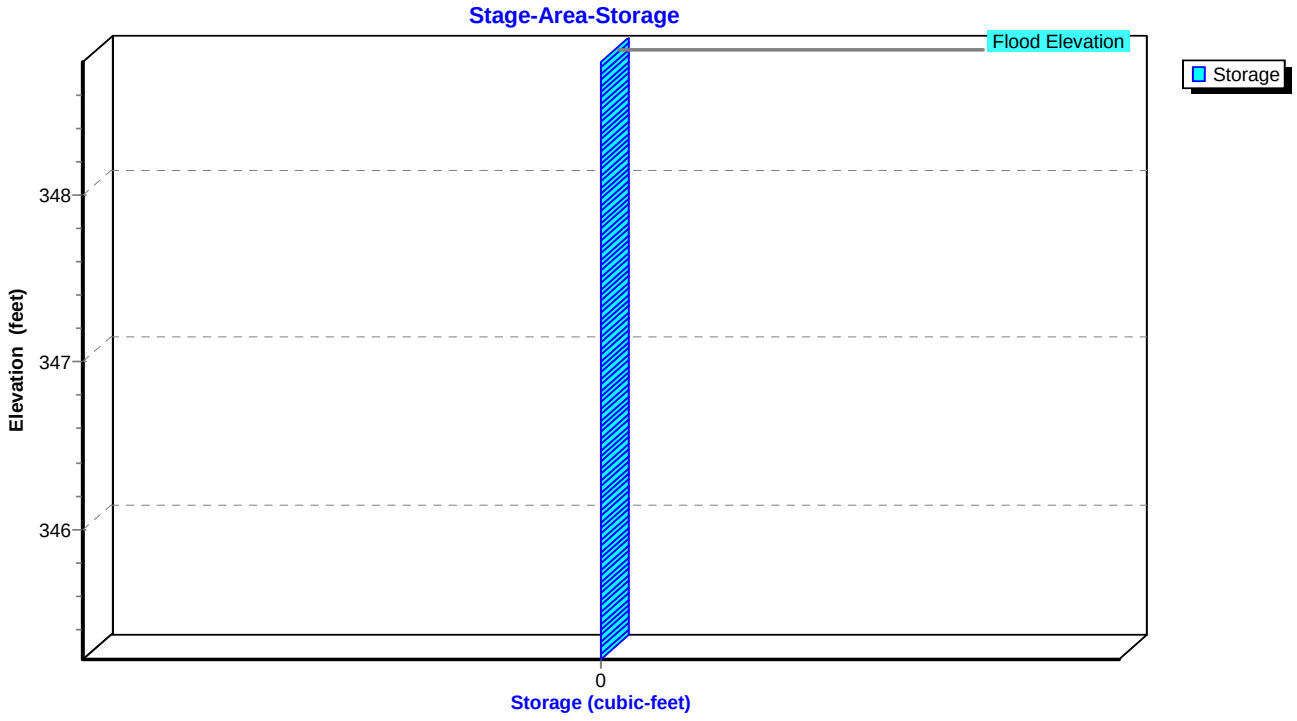
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.23	0.00
6.50	0.01	345.26	0.01
7.00	0.02	345.28	0.02
7.50	0.04	345.30	0.04
8.00	0.06	345.32	0.06
8.50	0.08	345.34	0.08
9.00	0.12	345.36	0.12
9.50	0.17	345.39	0.17
10.00	0.23	345.41	0.23
10.50	0.31	345.44	0.31
11.00	0.43	345.48	0.43
11.50	0.64	345.54	0.64
12.00	**2.10**	**345.82**	**2.10**
12.50	**5.16**	**346.24**	**5.16**
13.00	1.60	345.74	1.60
13.50	0.85	345.59	0.85
14.00	0.67	345.55	0.67
14.50	0.56	345.52	0.56
15.00	0.49	345.50	0.49
15.50	0.42	345.48	0.42
16.00	0.36	345.46	0.36
16.50	0.30	345.44	0.30
17.00	0.27	345.43	0.27
17.50	0.24	345.42	0.24
18.00	0.21	345.40	0.21
18.50	0.19	345.39	0.19
19.00	0.18	345.39	0.18
19.50	0.17	345.38	0.17
20.00	0.16	345.38	0.16
20.50	0.15	345.38	0.15
21.00	0.15	345.37	0.15
21.50	0.14	345.37	0.14
22.00	0.13	345.37	0.13
22.50	0.13	345.36	0.13
23.00	0.12	345.36	0.12
23.50	0.11	345.36	0.11
24.00	0.11	345.35	0.11

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.22	**0**	347.77	0
345.27	0	347.82	0
345.32	0	347.87	0
345.37	0	347.92	0
345.42	0	347.97	0
345.47	0	348.02	0
345.52	0	348.07	0
345.57	0	348.12	0
345.62	0	348.17	0
345.67	0	348.22	0
345.72	0	348.27	0
345.77	0	348.32	0
345.82	0	348.37	0
345.87	0	348.42	0
345.92	0	348.47	0
345.97	0	348.52	0
346.02	0	348.57	0
346.07	0	348.62	0
346.12	0	348.67	0
346.17	0	348.72	0
346.22	0	348.77	0
346.27	0		
346.32	0		
346.37	0		
346.42	0		
346.47	0		
346.52	0		
346.57	0		
346.62	0		
346.67	0		
346.72	0		
346.77	0		
346.82	0		
346.87	0		
346.92	0		
346.97	0		
347.02	0		
347.07	0		
347.12	0		
347.17	0		
347.22	0		
347.27	0		
347.32	0		
347.37	0		
347.42	0		
347.47	0		
347.52	0		
347.57	0		
347.62	0		
347.67	0		
347.72	0		

Summary for Pond CB10: Catchbasin

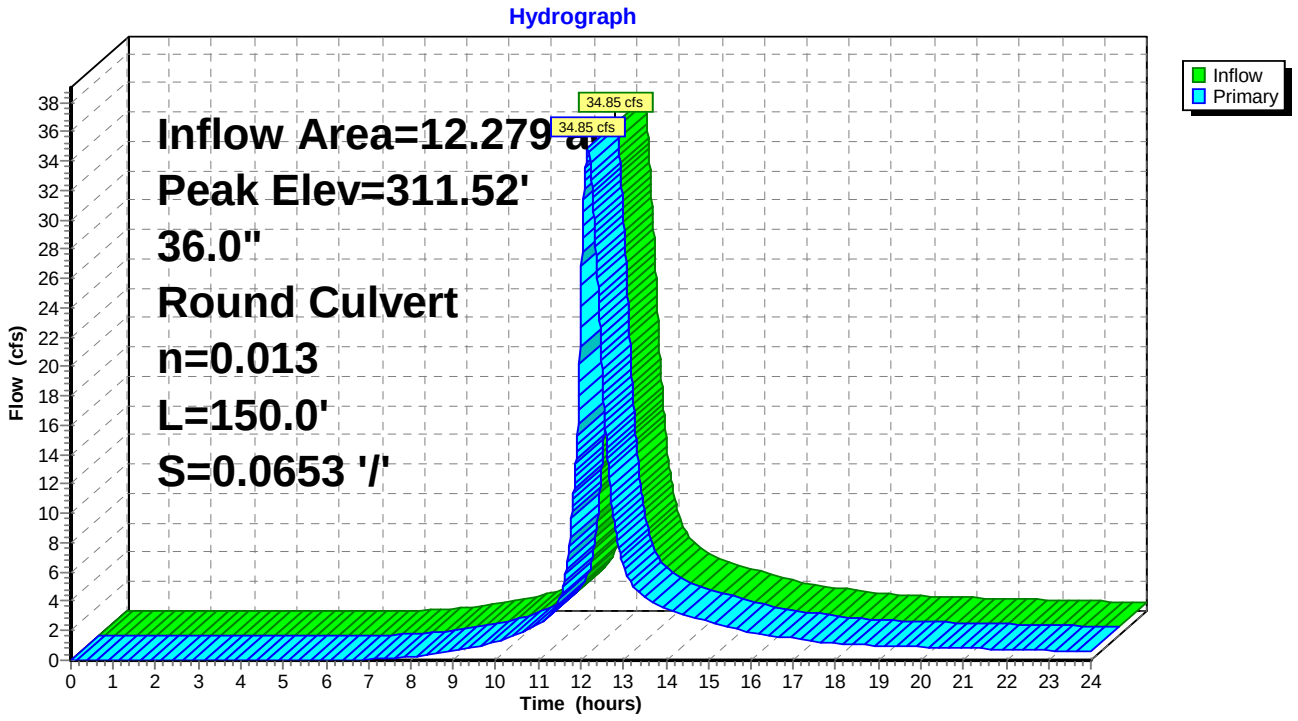
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 3.87" for 25-Year event
Inflow = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af
Outflow = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af, Atten= 0%, Lag= 0.0 min
Primary = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.52' @ 12.16 hrs
Flood Elev= 313.50'

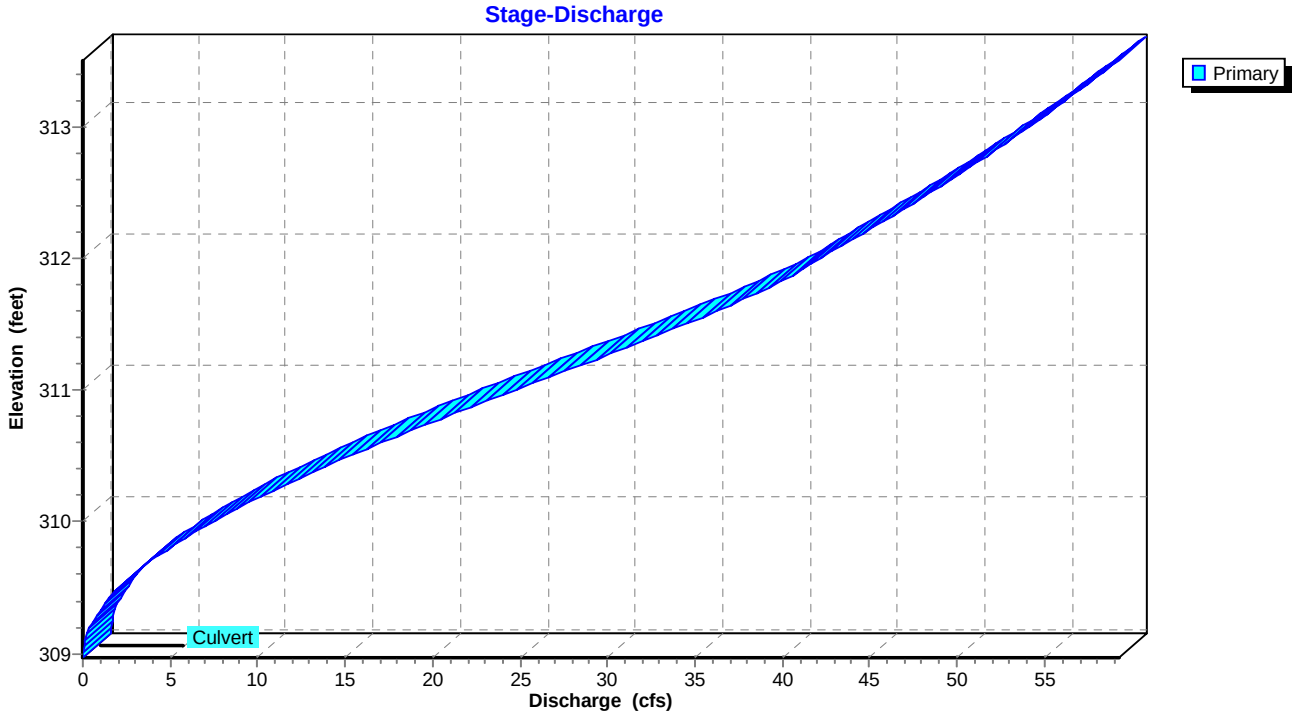
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=34.85 cfs @ 12.16 hrs HW=311.52' TW=300.70' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 34.85 cfs @ 5.44 fps)

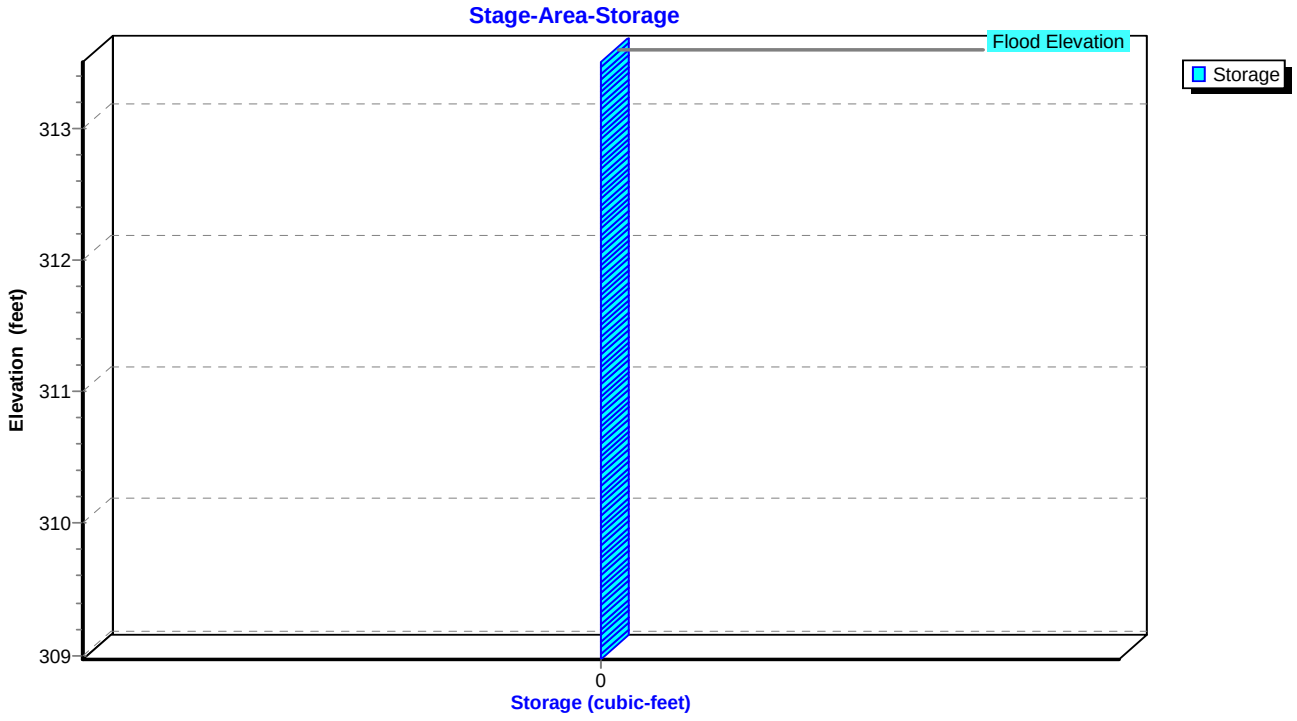
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.99	0.00
6.50	0.02	309.02	0.02
7.00	0.06	309.06	0.06
7.50	0.15	309.11	0.15
8.00	0.26	309.15	0.26
8.50	0.41	309.20	0.41
9.00	0.64	309.26	0.64
9.50	0.93	309.32	0.93
10.00	1.26	309.38	1.26
10.50	1.77	309.46	1.77
11.00	2.46	309.55	2.46
11.50	4.11	309.72	4.11
12.00	**24.09**	**310.97**	**24.09**
12.50	**19.80**	**310.75**	**19.80**
13.00	6.50	309.93	6.50
13.50	4.34	309.75	4.34
14.00	3.53	309.67	3.53
14.50	3.00	309.61	3.00
15.00	2.63	309.57	2.63
15.50	2.26	309.52	2.26
16.00	1.89	309.47	1.89
16.50	1.64	309.44	1.64
17.00	1.47	309.41	1.47
17.50	1.31	309.39	1.31
18.00	1.14	309.36	1.14
18.50	1.04	309.34	1.04
19.00	0.99	309.33	0.99
19.50	0.94	309.32	0.94
20.00	0.89	309.31	0.89
20.50	0.85	309.31	0.85
21.00	0.82	309.30	0.82
21.50	0.78	309.29	0.78
22.00	0.74	309.28	0.74
22.50	0.70	309.27	0.70
23.00	0.67	309.27	0.67
23.50	0.63	309.26	0.63
24.00	0.59	309.25	0.59

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

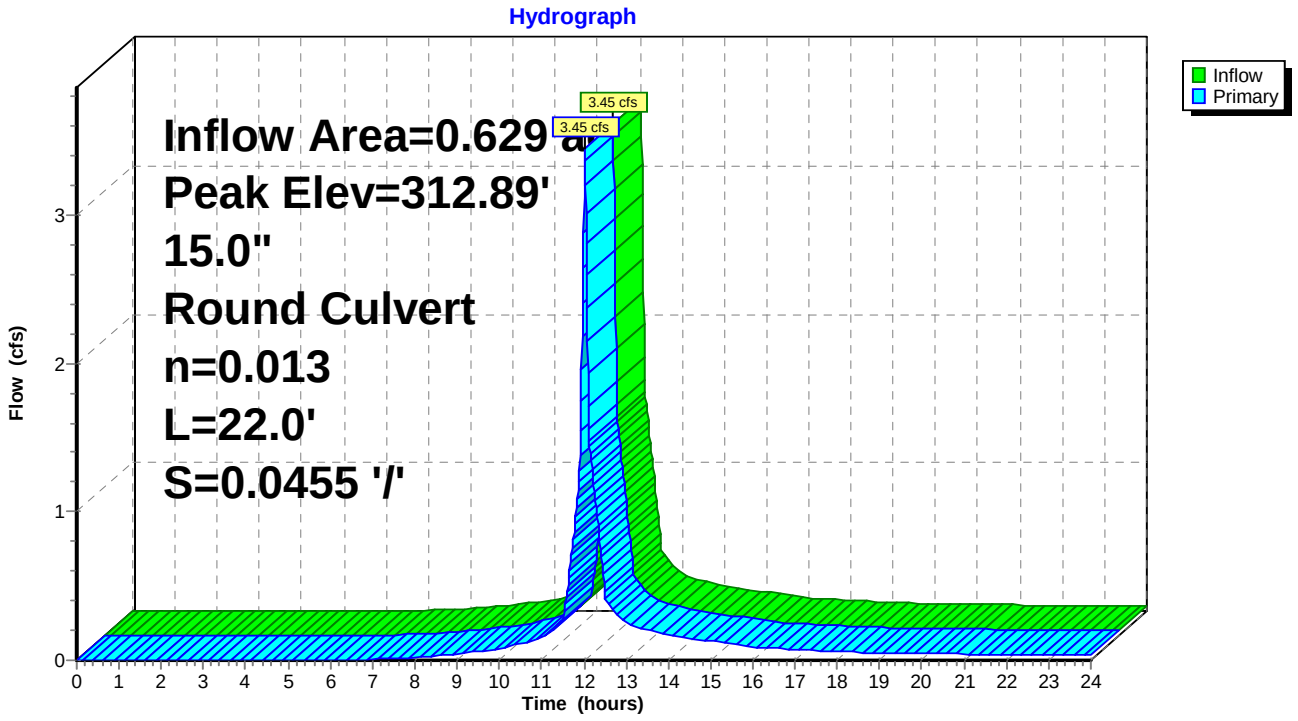
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.99" for 25-Year event
Inflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.89' @ 12.02 hrs
Flood Elev= 314.50'

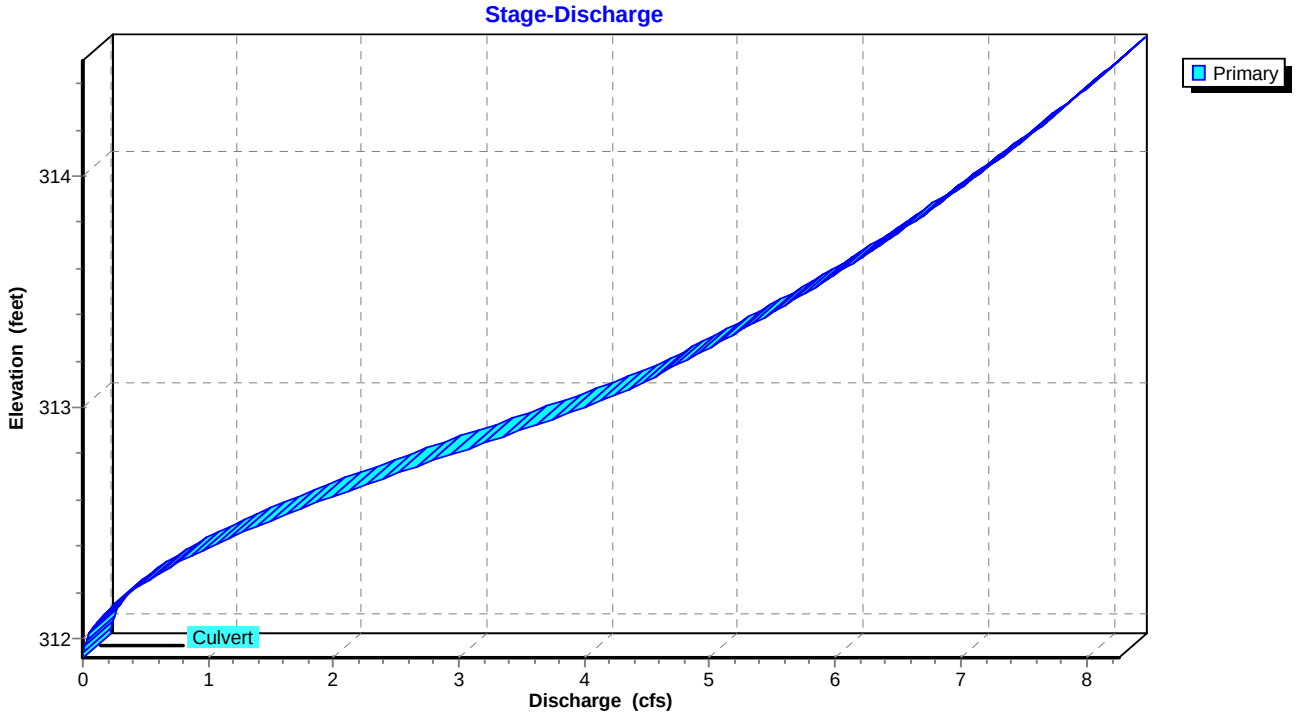
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.45 cfs @ 12.02 hrs HW=312.89' TW=311.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.45 cfs @ 3.36 fps)

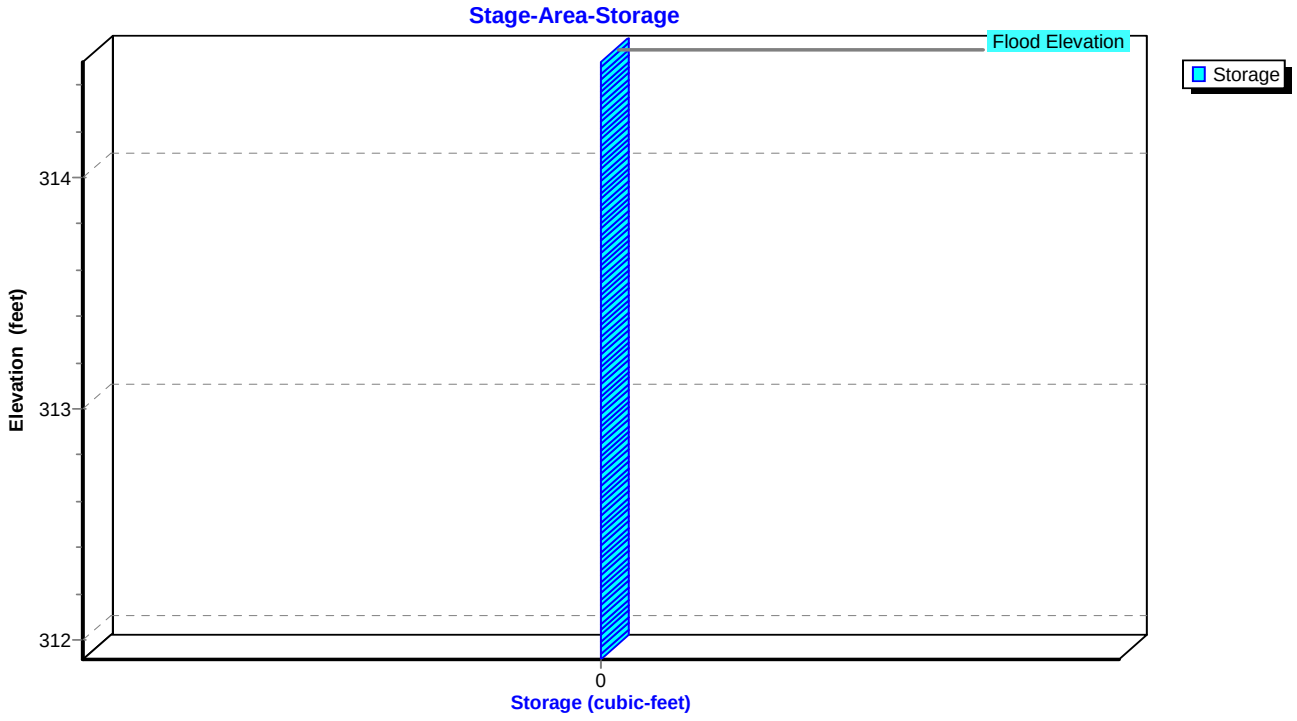
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.94	0.00
7.00	0.01	311.96	0.01
7.50	0.01	311.97	0.01
8.00	0.02	311.98	0.02
8.50	0.03	312.00	0.03
9.00	0.04	312.01	0.04
9.50	0.06	312.03	0.06
10.00	0.08	312.05	0.08
10.50	0.11	312.07	0.11
11.00	0.15	312.10	0.15
11.50	0.27	312.16	0.27
12.00	**3.13**	**312.83**	**3.13**
12.50	**0.45**	**312.23**	**0.45**
13.00	0.25	312.15	0.25
13.50	0.21	312.13	0.21
14.00	0.17	312.11	0.17
14.50	0.15	312.09	0.15
15.00	0.13	312.08	0.13
15.50	0.11	312.07	0.11
16.00	0.09	312.06	0.09
16.50	0.08	312.05	0.08
17.00	0.07	312.04	0.07
17.50	0.06	312.03	0.06
18.00	0.06	312.03	0.06
18.50	0.05	312.02	0.05
19.00	0.05	312.02	0.05
19.50	0.05	312.02	0.05
20.00	0.05	312.02	0.05
20.50	0.04	312.01	0.04
21.00	0.04	312.01	0.04
21.50	0.04	312.01	0.04
22.00	0.04	312.01	0.04
22.50	0.04	312.00	0.04
23.00	0.03	312.00	0.03
23.50	0.03	312.00	0.03
24.00	0.03	312.00	0.03

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

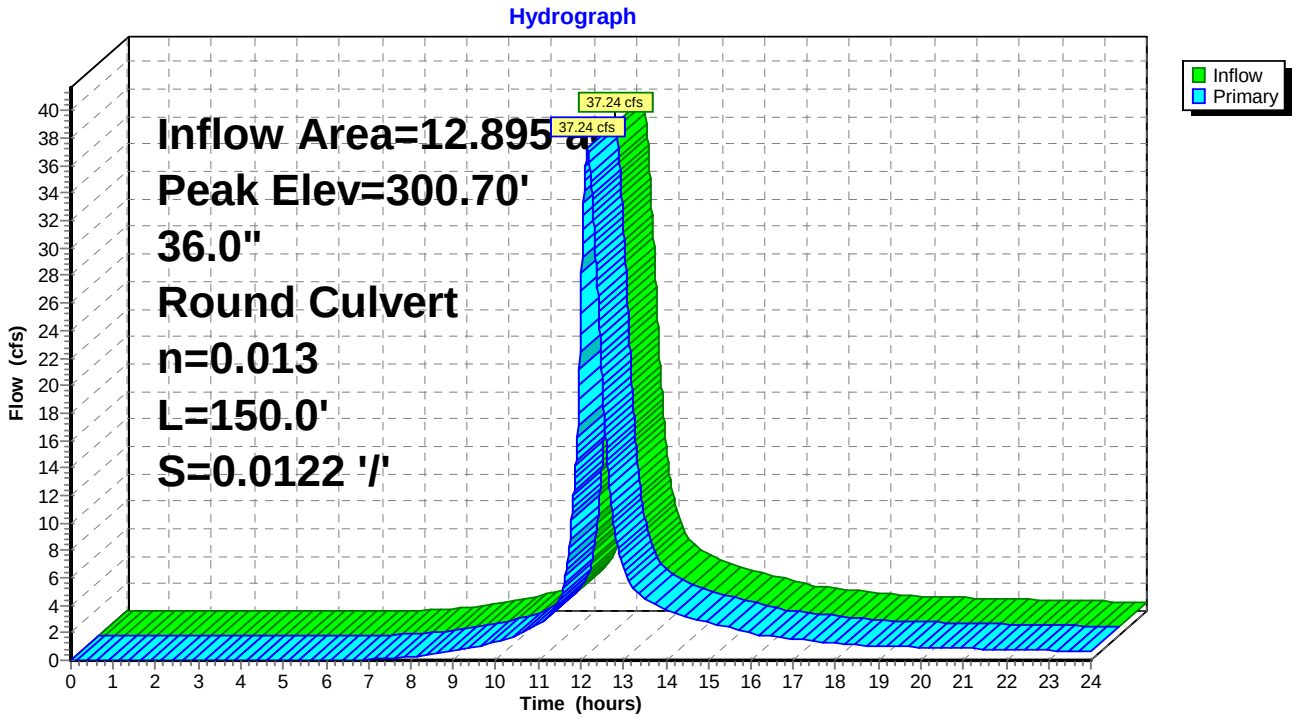
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 3.87" for 25-Year event
Inflow = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af
Outflow = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af, Atten= 0%, Lag= 0.0 min
Primary = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.70' @ 12.16 hrs
Flood Elev= 304.00'

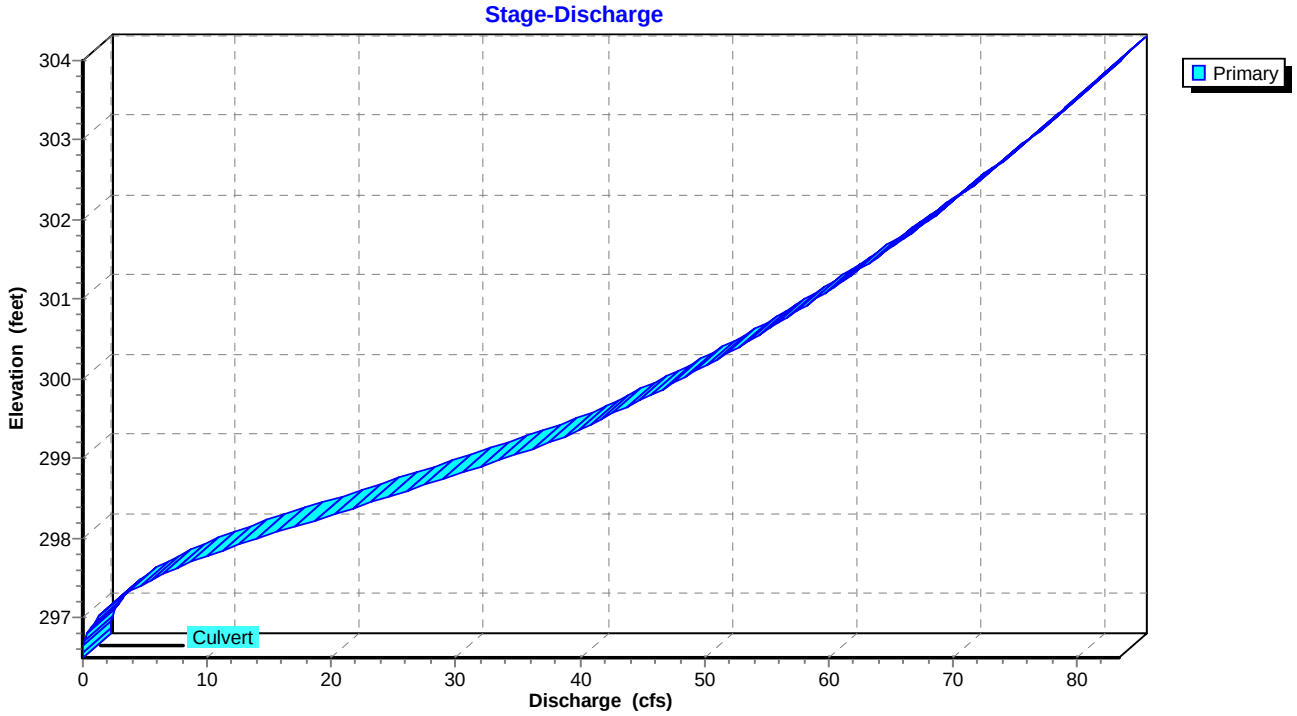
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=37.37 cfs @ 12.16 hrs HW=300.70' TW=299.50' (Dynamic Tailwater)
1=Culvert (Inlet Controls 37.37 cfs @ 5.29 fps)

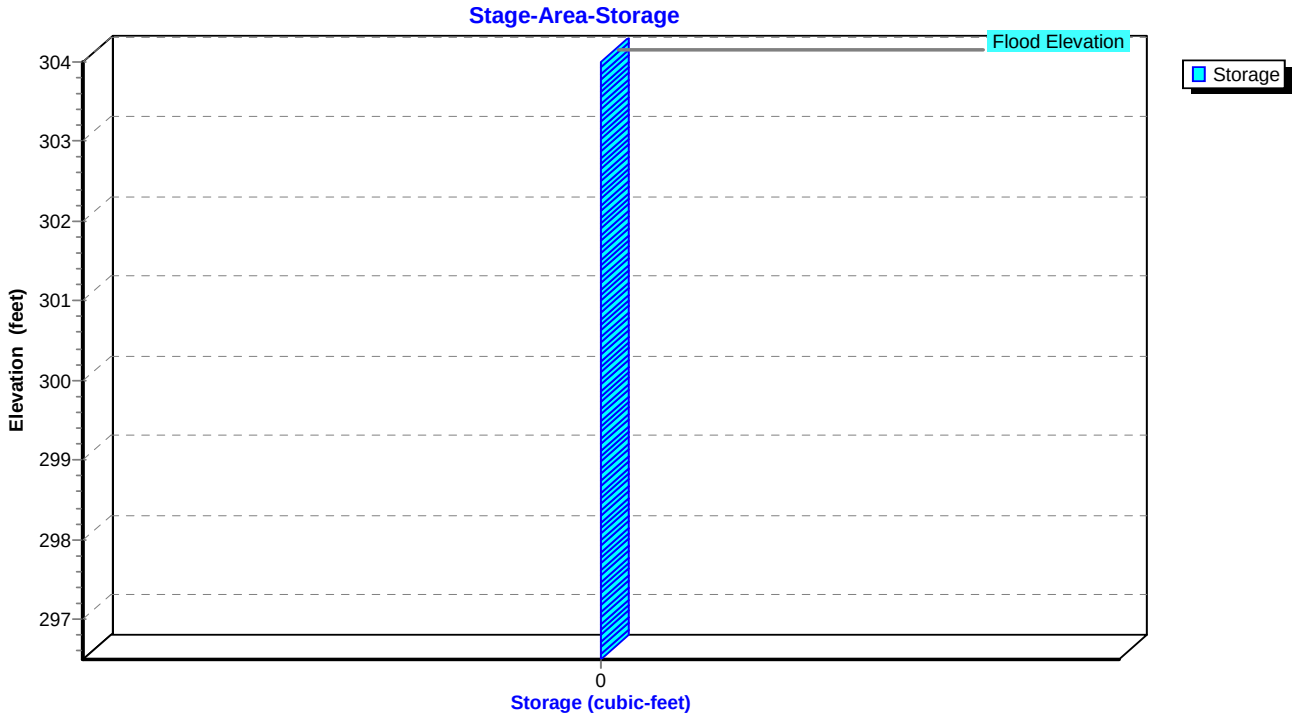
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.50	0.00
5.50	0.00	296.50	0.00
6.00	0.00	296.54	0.00
6.50	0.02	296.60	0.02
7.00	0.07	296.68	0.07
7.50	0.15	296.75	0.15
8.00	0.27	296.82	0.27
8.50	0.44	296.90	0.44
9.00	0.67	296.98	0.67
9.50	0.97	297.07	0.97
10.00	1.33	297.16	1.33
10.50	1.86	297.26	1.86
11.00	2.59	297.39	2.59
11.50	4.34	297.64	4.34
12.00	**25.29**	**299.38**	**25.29**
12.50	**20.61**	**299.08**	**20.61**
13.00	6.78	297.92	6.78
13.50	4.55	297.67	4.55
14.00	3.70	297.56	3.70
14.50	3.15	297.48	3.15
15.00	2.76	297.42	2.76
15.50	2.37	297.36	2.37
16.00	1.98	297.29	1.98
16.50	1.72	297.24	1.72
17.00	1.54	297.20	1.54
17.50	1.37	297.17	1.37
18.00	1.20	297.13	1.20
18.50	1.10	297.10	1.10
19.00	1.04	297.09	1.04
19.50	0.99	297.08	0.99
20.00	0.94	297.06	0.94
20.50	0.90	297.05	0.90
21.00	0.86	297.04	0.86
21.50	0.82	297.03	0.82
22.00	0.78	297.02	0.78
22.50	0.74	297.00	0.74
23.00	0.70	296.99	0.70
23.50	0.66	296.98	0.66
24.00	0.62	296.97	0.62

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

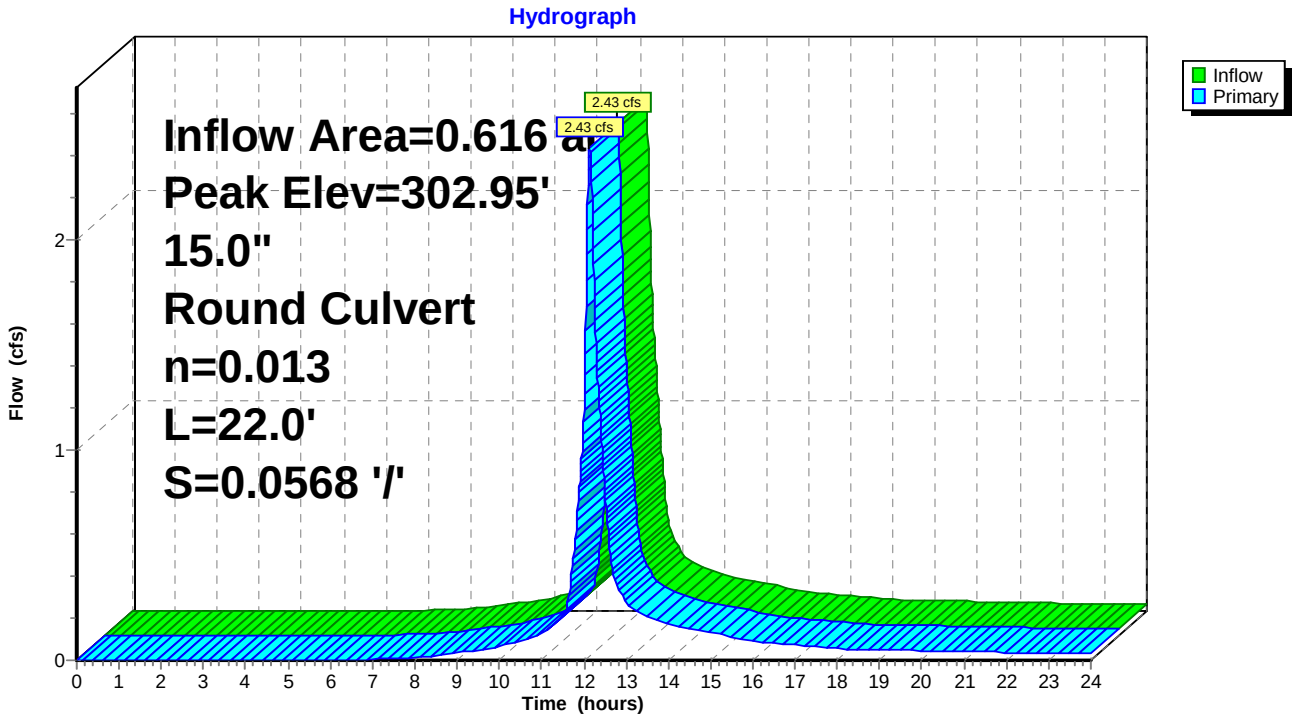
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af
Outflow = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af, Atten= 0%, Lag= 0.0 min
Primary = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.95' @ 12.14 hrs
Flood Elev= 304.80'

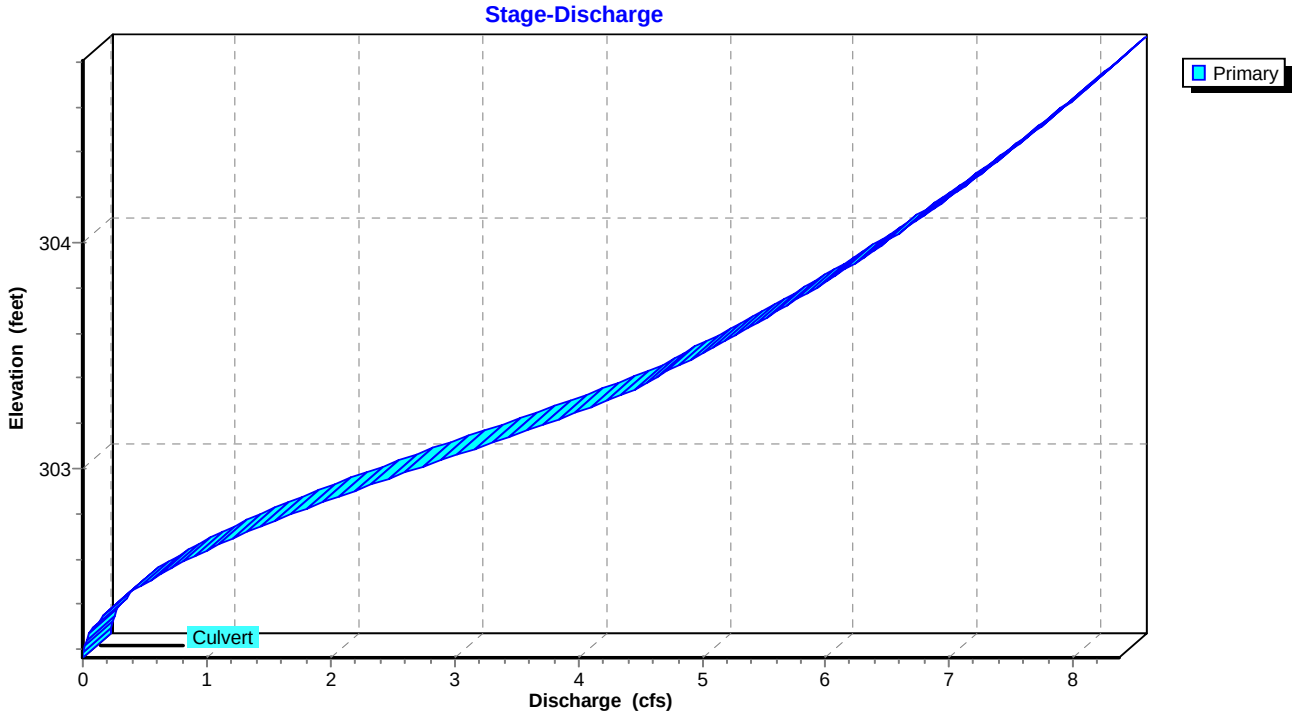
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.43 cfs @ 12.14 hrs HW=302.95' TW=300.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.43 cfs @ 3.01 fps)

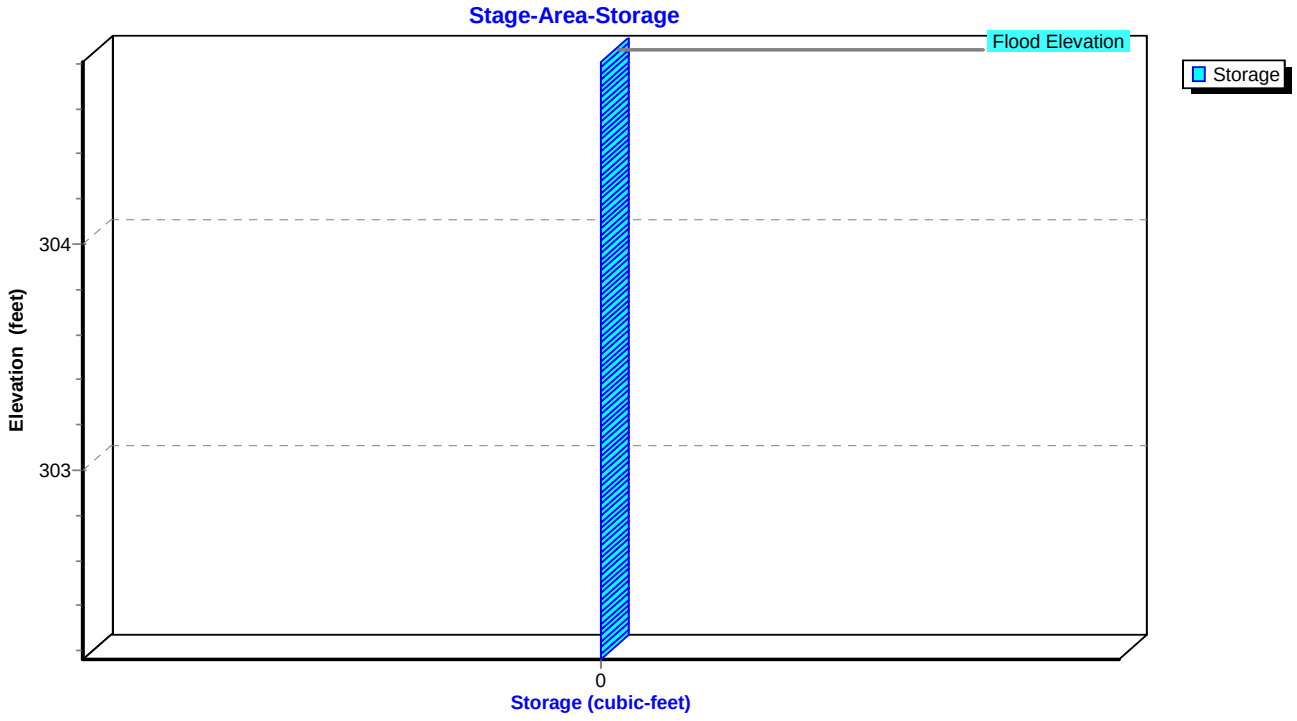
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.20	0.00
7.50	0.01	302.21	0.01
8.00	0.01	302.22	0.01
8.50	0.02	302.24	0.02
9.00	0.03	302.25	0.03
9.50	0.05	302.27	0.05
10.00	0.07	302.29	0.07
10.50	0.09	302.31	0.09
11.00	0.13	302.33	0.13
11.50	0.22	302.38	0.22
12.00	**1.19**	**302.69**	**1.19**
12.50	**0.81**	**302.59**	**0.81**
13.00	0.28	302.41	0.28
13.50	0.21	302.38	0.21
14.00	0.17	302.36	0.17
14.50	0.15	302.34	0.15
15.00	0.13	302.33	0.13
15.50	0.11	302.32	0.11
16.00	0.09	302.31	0.09
16.50	0.08	302.30	0.08
17.00	0.07	302.29	0.07
17.50	0.06	302.28	0.06
18.00	0.06	302.28	0.06
18.50	0.05	302.27	0.05
19.00	0.05	302.27	0.05
19.50	0.05	302.27	0.05
20.00	0.04	302.26	0.04
20.50	0.04	302.26	0.04
21.00	0.04	302.26	0.04
21.50	0.04	302.26	0.04
22.00	0.04	302.26	0.04
22.50	0.04	302.25	0.04
23.00	0.03	302.25	0.03
23.50	0.03	302.25	0.03
24.00	0.03	302.25	0.03

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

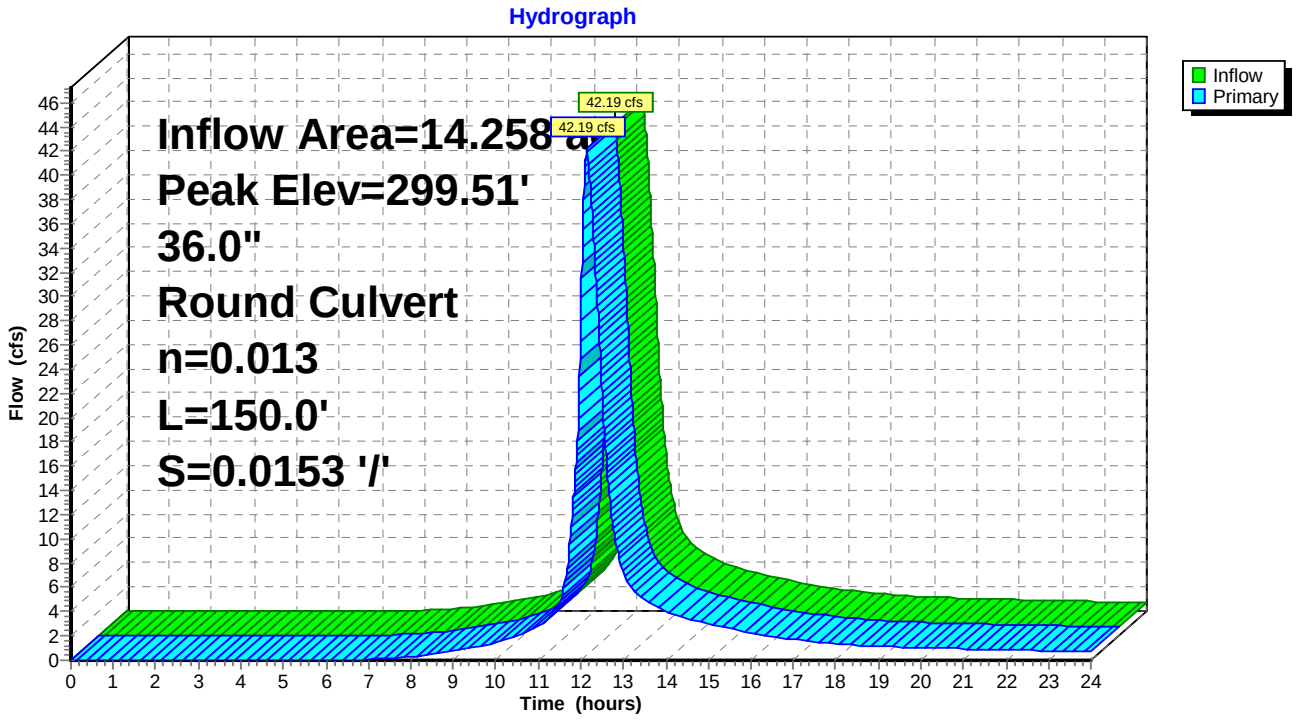
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 3.84" for 25-Year event
Inflow = 42.19 cfs @ 12.14 hrs, Volume= 4.561 af
Outflow = 42.19 cfs @ 12.14 hrs, Volume= 4.561 af, Atten= 0%, Lag= 0.0 min
Primary = 42.19 cfs @ 12.14 hrs, Volume= 4.561 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.51' @ 12.14 hrs
Flood Elev= 301.50'

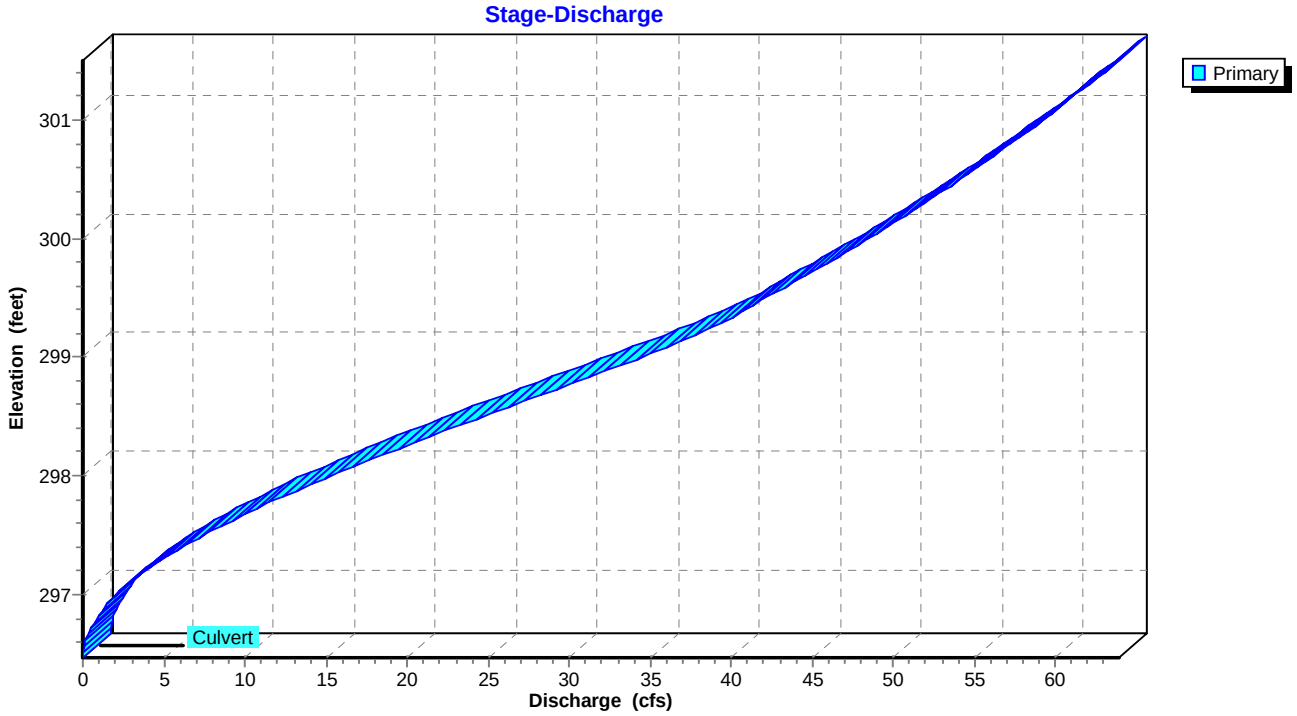
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=42.17 cfs @ 12.14 hrs HW=299.50' TW=297.23' (Dynamic Tailwater)
1=Culvert (Inlet Controls 42.17 cfs @ 5.97 fps)

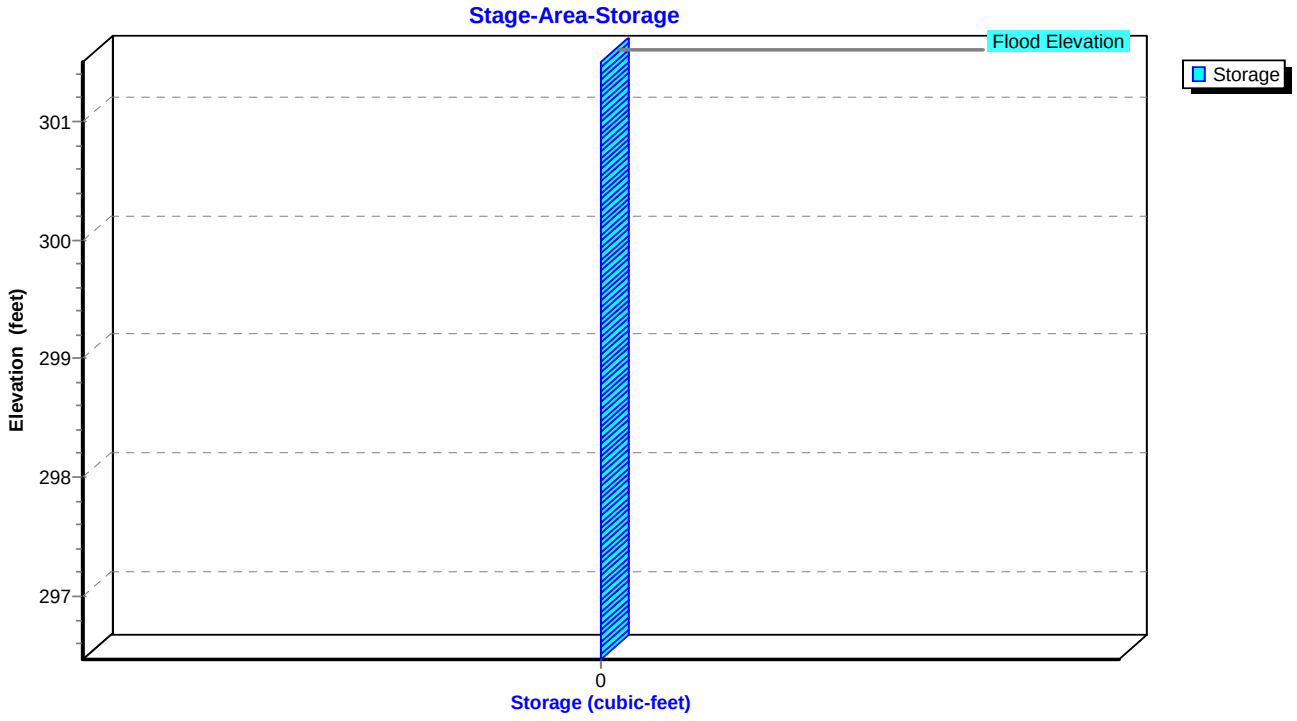
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.49	0.00
6.50	0.02	296.52	0.02
7.00	0.07	296.56	0.07
7.50	0.16	296.61	0.16
8.00	0.28	296.66	0.28
8.50	0.47	296.72	0.47
9.00	0.73	296.78	0.73
9.50	1.05	296.84	1.05
10.00	1.44	296.91	1.44
10.50	2.03	296.99	2.03
11.00	2.83	297.09	2.83
11.50	4.77	297.28	4.77
12.00	**28.06**	**298.67**	**28.06**
12.50	**22.11**	**298.37**	**22.11**
13.00	7.35	297.50	7.35
13.50	4.99	297.30	4.99
14.00	4.06	297.22	4.06
14.50	3.46	297.16	3.46
15.00	3.04	297.11	3.04
15.50	2.61	297.06	2.61
16.00	2.18	297.01	2.18
16.50	1.89	296.97	1.89
17.00	1.70	296.95	1.70
17.50	1.51	296.92	1.51
18.00	1.32	296.89	1.32
18.50	1.21	296.87	1.21
19.00	1.15	296.86	1.15
19.50	1.09	296.85	1.09
20.00	1.03	296.84	1.03
20.50	0.99	296.83	0.99
21.00	0.94	296.82	0.94
21.50	0.90	296.81	0.90
22.00	0.86	296.81	0.86
22.50	0.81	296.80	0.81
23.00	0.77	296.79	0.77
23.50	0.73	296.78	0.73
24.00	0.68	296.77	0.68

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

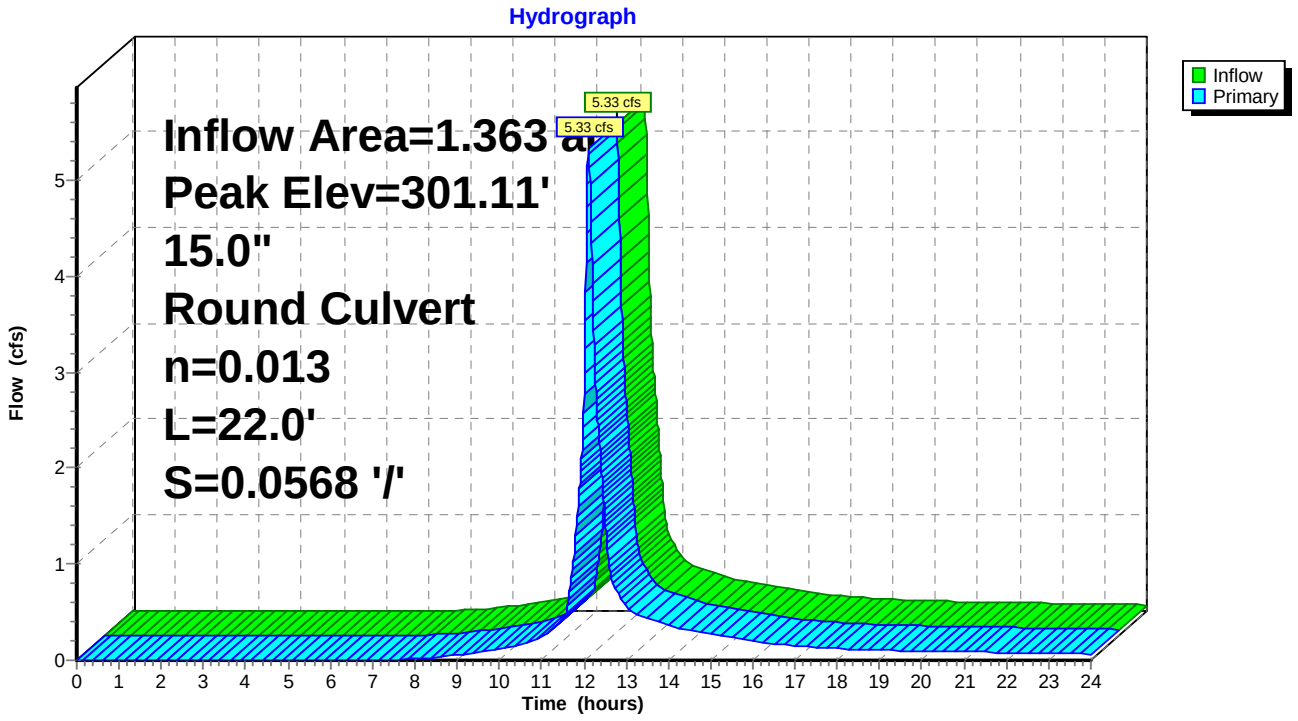
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 3.57" for 25-Year event
Inflow = 5.33 cfs @ 12.11 hrs, Volume= 0.406 af
Outflow = 5.33 cfs @ 12.11 hrs, Volume= 0.406 af, Atten= 0%, Lag= 0.0 min
Primary = 5.33 cfs @ 12.11 hrs, Volume= 0.406 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.11' @ 12.11 hrs
Flood Elev= 302.80'

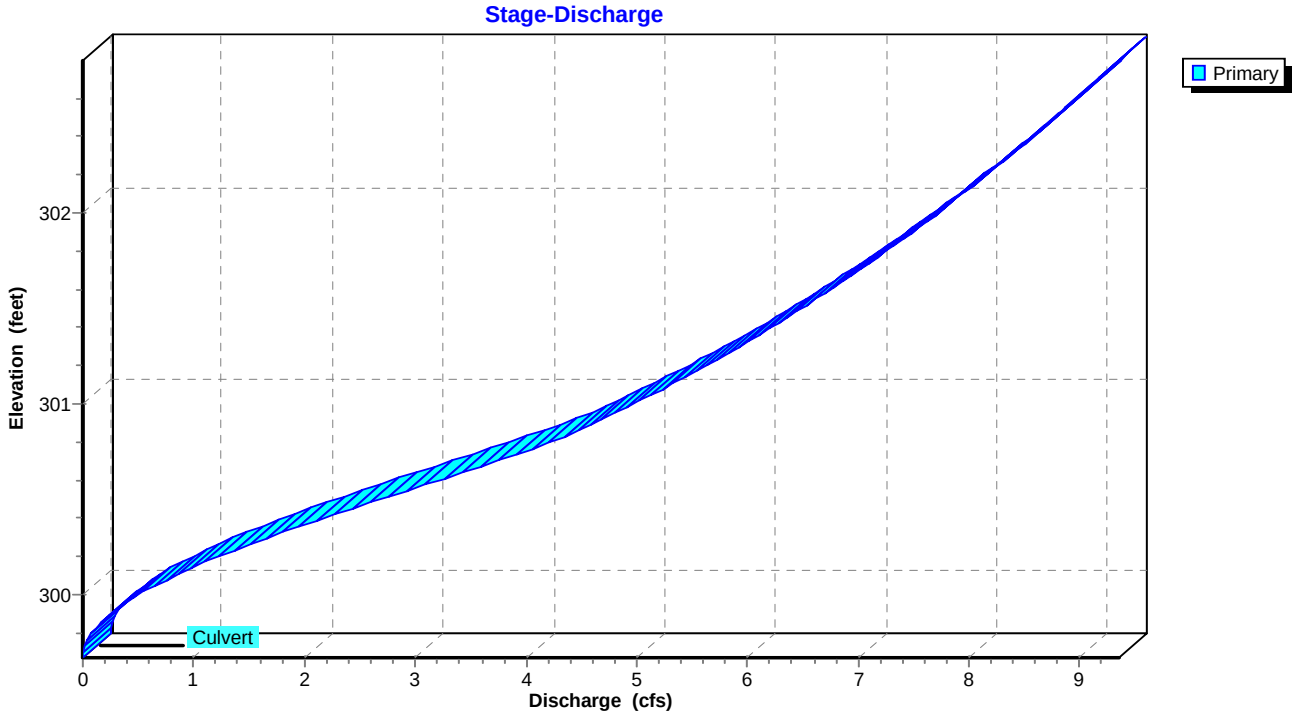
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.32 cfs @ 12.11 hrs HW=301.11' TW=299.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.32 cfs @ 4.34 fps)

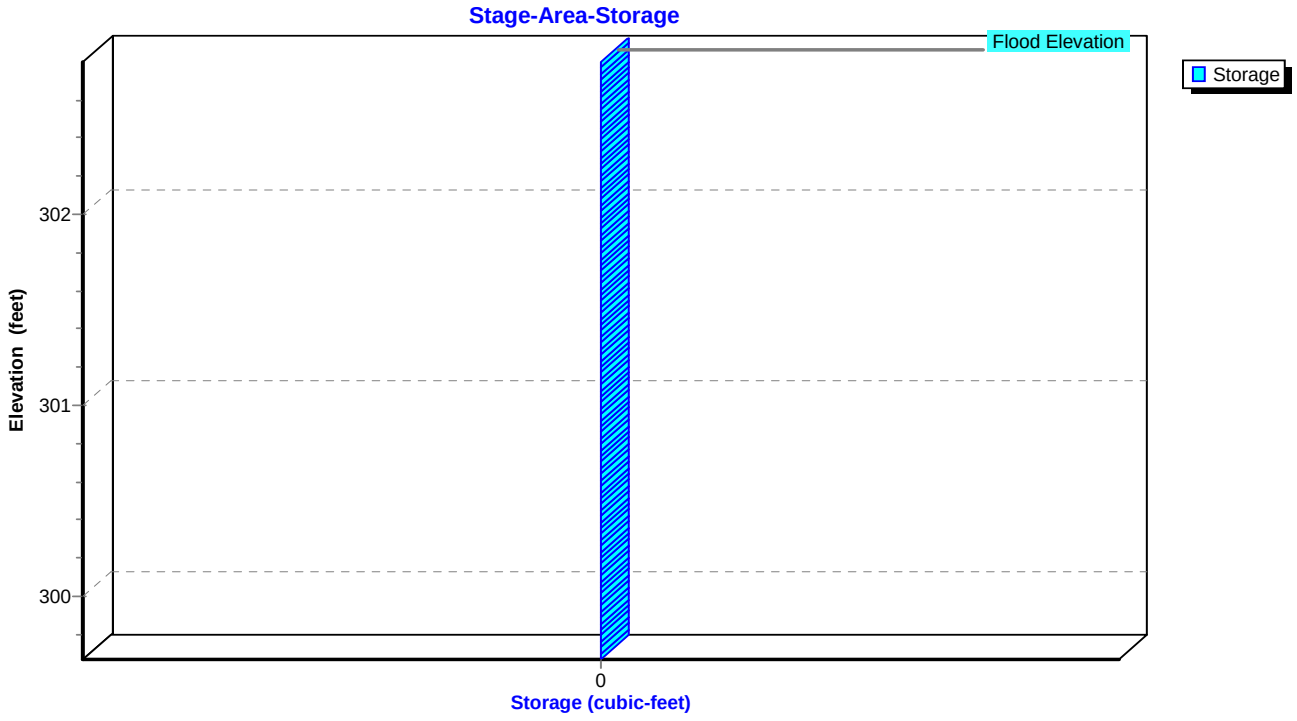
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.70	0.00
8.00	0.01	299.72	0.01
8.50	0.03	299.75	0.03
9.00	0.05	299.77	0.05
9.50	0.08	299.80	0.08
10.00	0.12	299.82	0.12
10.50	0.17	299.86	0.17
11.00	0.24	299.90	0.24
11.50	0.44	299.98	0.44
12.00	**2.77**	**300.52**	**2.77**
12.50	**1.50**	**300.26**	**1.50**
13.00	0.57	300.02	0.57
13.50	0.44	299.98	0.44
14.00	0.36	299.95	0.36
14.50	0.31	299.93	0.31
15.00	0.27	299.91	0.27
15.50	0.23	299.89	0.23
16.00	0.19	299.87	0.19
16.50	0.17	299.86	0.17
17.00	0.15	299.85	0.15
17.50	0.14	299.84	0.14
18.00	0.12	299.83	0.12
18.50	0.11	299.82	0.11
19.00	0.11	299.82	0.11
19.50	0.10	299.81	0.10
20.00	0.10	299.81	0.10
20.50	0.09	299.81	0.09
21.00	0.09	299.80	0.09
21.50	0.08	299.80	0.08
22.00	0.08	299.80	0.08
22.50	0.08	299.79	0.08
23.00	0.07	299.79	0.07
23.50	0.07	299.79	0.07
24.00	0.06	299.78	0.06

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	**9.33**
299.75	0.03	300.77	4.08	301.79	7.22		
299.77	0.05	300.79	4.18	301.81	7.27		
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	302.22	0
299.72	0	302.27	0
299.77	0	302.32	0
299.82	0	302.37	0
299.87	0	302.42	0
299.92	0	302.47	0
299.97	0	302.52	0
300.02	0	302.57	0
300.07	0	302.62	0
300.12	0	302.67	0
300.17	0	302.72	0
300.22	0	302.77	0
300.27	0		
300.32	0		
300.37	0		
300.42	0		
300.47	0		
300.52	0		
300.57	0		
300.62	0		
300.67	0		
300.72	0		
300.77	0		
300.82	0		
300.87	0		
300.92	0		
300.97	0		
301.02	0		
301.07	0		
301.12	0		
301.17	0		
301.22	0		
301.27	0		
301.32	0		
301.37	0		
301.42	0		
301.47	0		
301.52	0		
301.57	0		
301.62	0		
301.67	0		
301.72	0		
301.77	0		
301.82	0		
301.87	0		
301.92	0		
301.97	0		
302.02	0		
302.07	0		
302.12	0		
302.17	0		

Summary for Pond CB13: Catchbasin

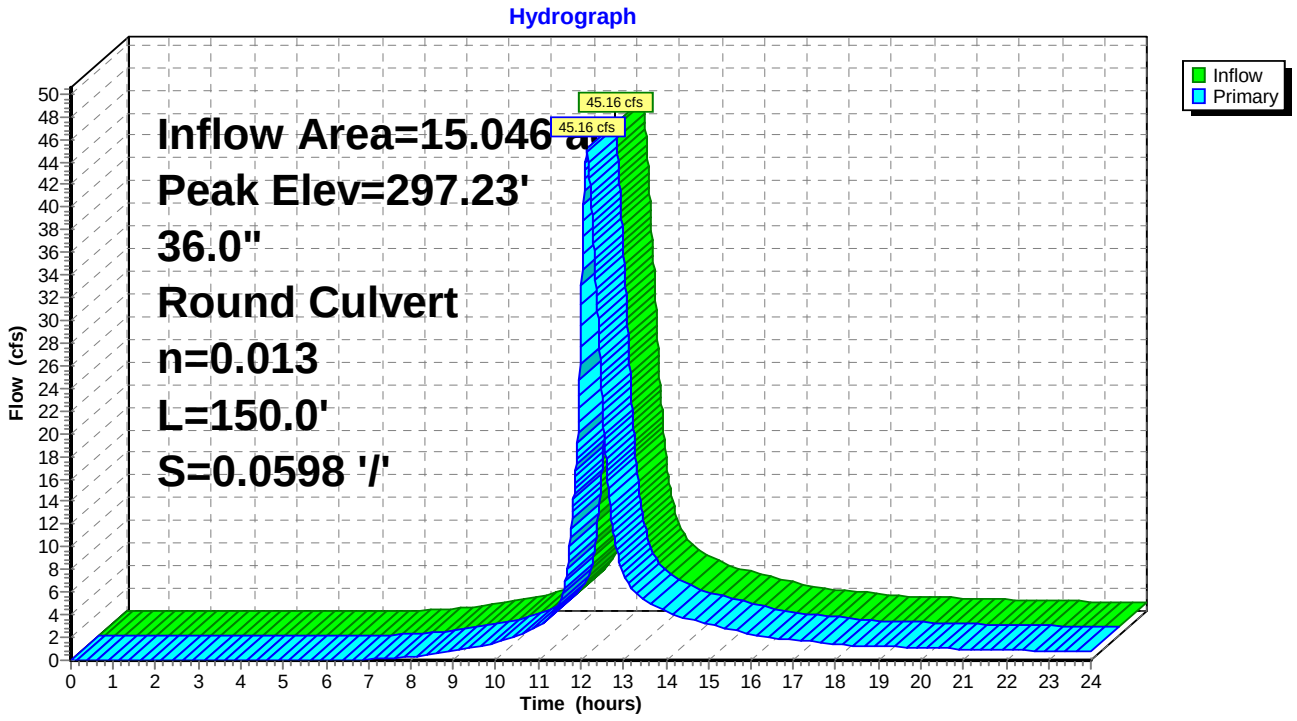
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 3.84" for 25-Year event
Inflow = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af
Outflow = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af, Atten= 0%, Lag= 0.0 min
Primary = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.23' @ 12.15 hrs
Flood Elev= 298.50'

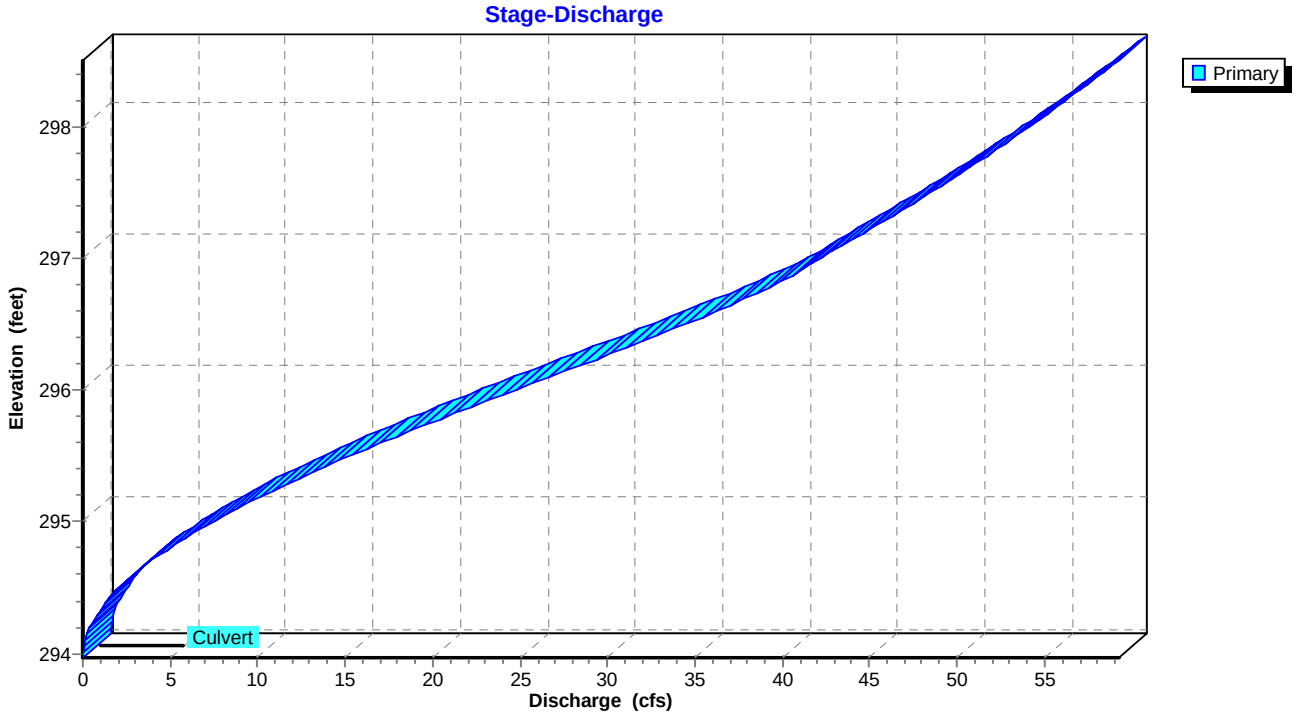
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=45.14 cfs @ 12.15 hrs HW=297.23' TW=288.26' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.14 cfs @ 6.39 fps)

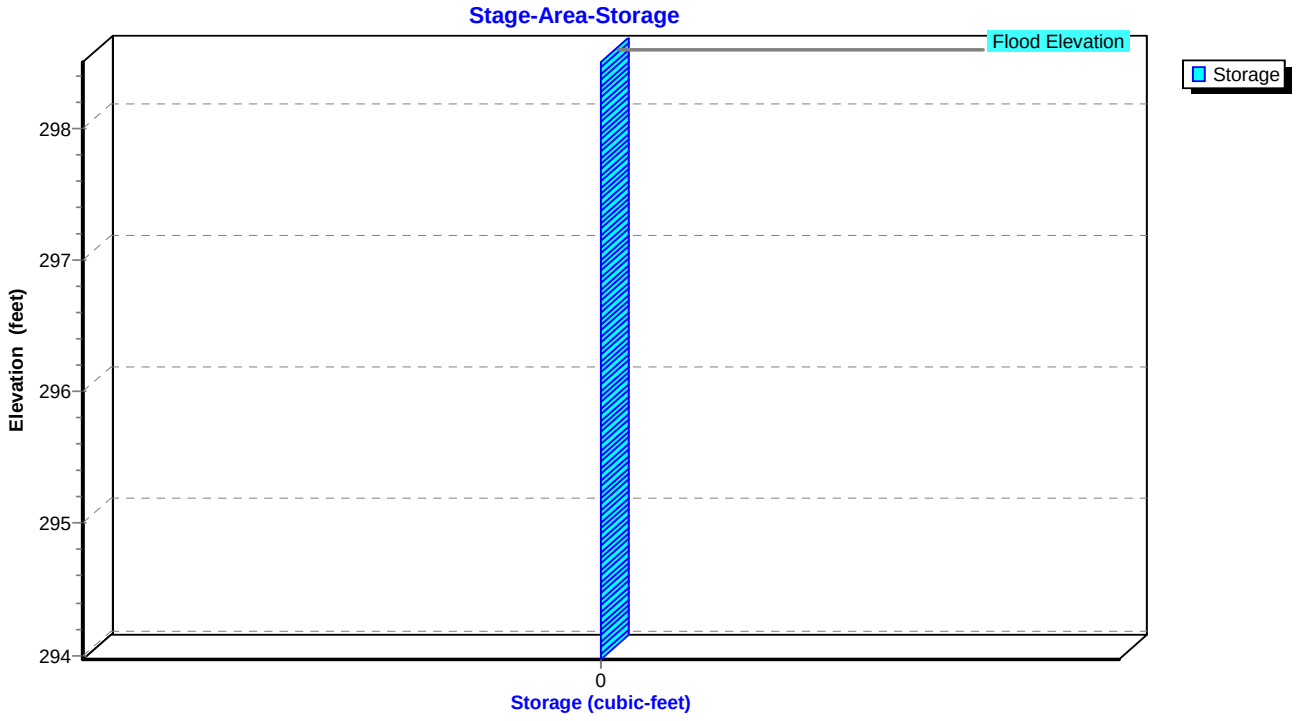
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.99	0.00
6.50	0.02	294.02	0.02
7.00	0.07	294.06	0.07
7.50	0.17	294.12	0.17
8.00	0.30	294.17	0.30
8.50	0.49	294.22	0.49
9.00	0.77	294.29	0.77
9.50	1.12	294.35	1.12
10.00	1.53	294.42	1.53
10.50	2.15	294.51	2.15
11.00	2.99	294.61	2.99
11.50	5.05	294.81	5.05
12.00	**29.47**	**296.24**	**29.47**
12.50	**23.22**	**295.93**	**23.22**
13.00	7.72	295.02	7.72
13.50	5.26	294.83	5.26
14.00	4.29	294.74	4.29
14.50	3.65	294.68	3.65
15.00	3.20	294.63	3.20
15.50	2.75	294.58	2.75
16.00	2.30	294.53	2.30
16.50	1.99	294.49	1.99
17.00	1.79	294.46	1.79
17.50	1.59	294.43	1.59
18.00	1.39	294.40	1.39
18.50	1.27	294.38	1.27
19.00	1.21	294.37	1.21
19.50	1.15	294.36	1.15
20.00	1.09	294.35	1.09
20.50	1.04	294.34	1.04
21.00	1.00	294.33	1.00
21.50	0.95	294.32	0.95
22.00	0.90	294.32	0.90
22.50	0.86	294.31	0.86
23.00	0.81	294.30	0.81
23.50	0.77	294.29	0.77
24.00	0.72	294.28	0.72

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	**58.95**
295.97	24.10		
296.02	25.09		
296.07	26.08		
296.12	27.07		
296.17	28.05		
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

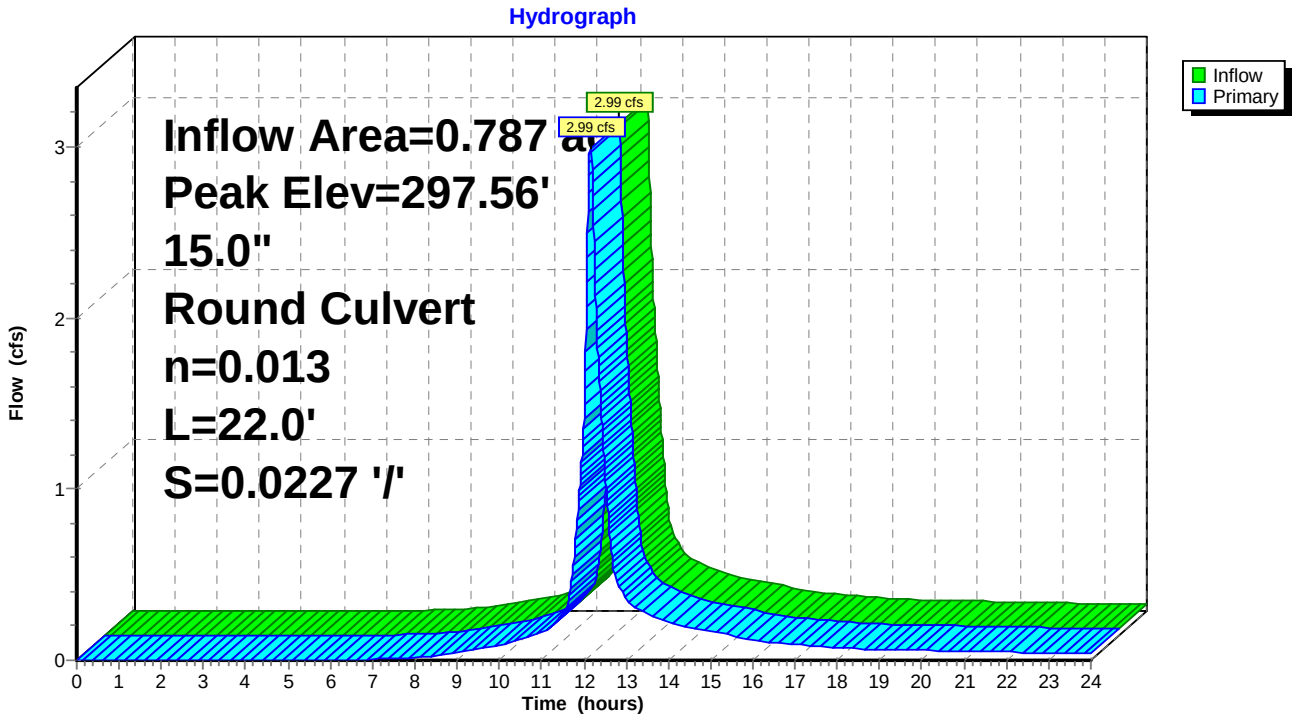
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.99 cfs @ 12.15 hrs, Volume= 0.254 af
Outflow = 2.99 cfs @ 12.15 hrs, Volume= 0.254 af, Atten= 0%, Lag= 0.0 min
Primary = 2.99 cfs @ 12.15 hrs, Volume= 0.254 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.56' @ 12.16 hrs
Flood Elev= 299.00'

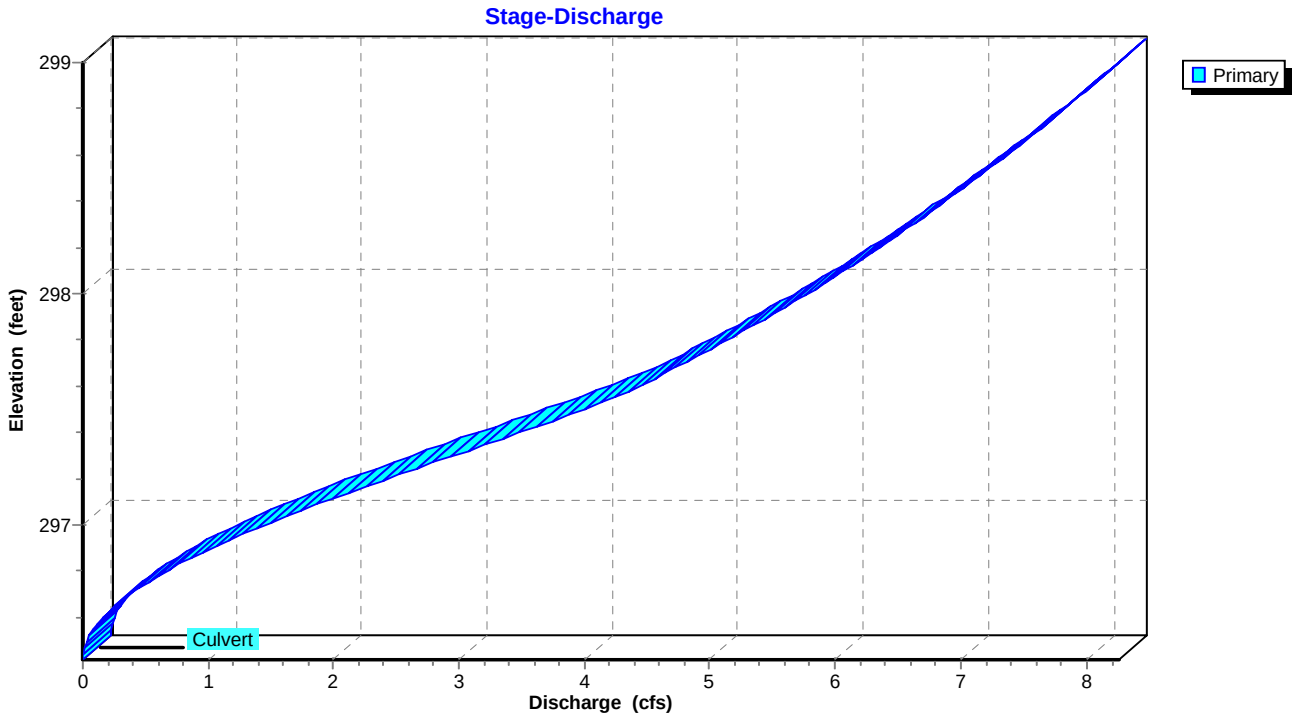
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.00 cfs @ 12.15 hrs HW=297.56' TW=297.22' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 3.00 cfs @ 3.36 fps)

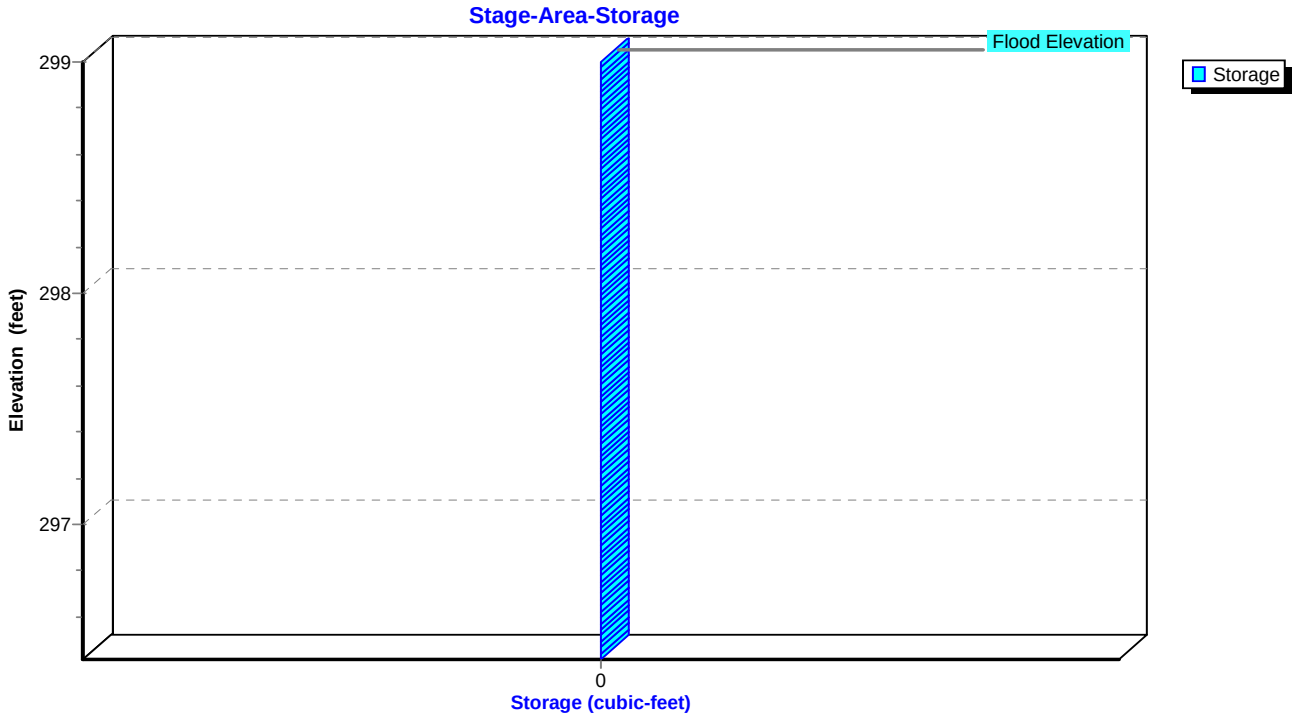
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.45	0.00
7.50	0.01	296.46	0.01
8.00	0.02	296.48	0.02
8.50	0.03	296.49	0.03
9.00	0.04	296.51	0.04
9.50	0.06	296.53	0.06
10.00	0.08	296.55	0.08
10.50	0.12	296.57	0.12
11.00	0.16	296.60	0.16
11.50	0.28	296.66	0.28
12.00	**1.42**	**296.99**	**1.42**
12.50	**1.11**	**296.92**	**1.11**
13.00	0.37	296.70	0.37
13.50	0.27	296.66	0.27
14.00	0.22	296.64	0.22
14.50	0.19	296.62	0.19
15.00	0.17	296.61	0.17
15.50	0.14	296.59	0.14
16.00	0.12	296.58	0.12
16.50	0.10	296.57	0.10
17.00	0.09	296.56	0.09
17.50	0.08	296.55	0.08
18.00	0.07	296.54	0.07
18.50	0.07	296.54	0.07
19.00	0.06	296.53	0.06
19.50	0.06	296.53	0.06
20.00	0.06	296.53	0.06
20.50	0.05	296.52	0.05
21.00	0.05	296.52	0.05
21.50	0.05	296.52	0.05
22.00	0.05	296.52	0.05
22.50	0.04	296.52	0.04
23.00	0.04	296.51	0.04
23.50	0.04	296.51	0.04
24.00	0.04	296.51	0.04

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

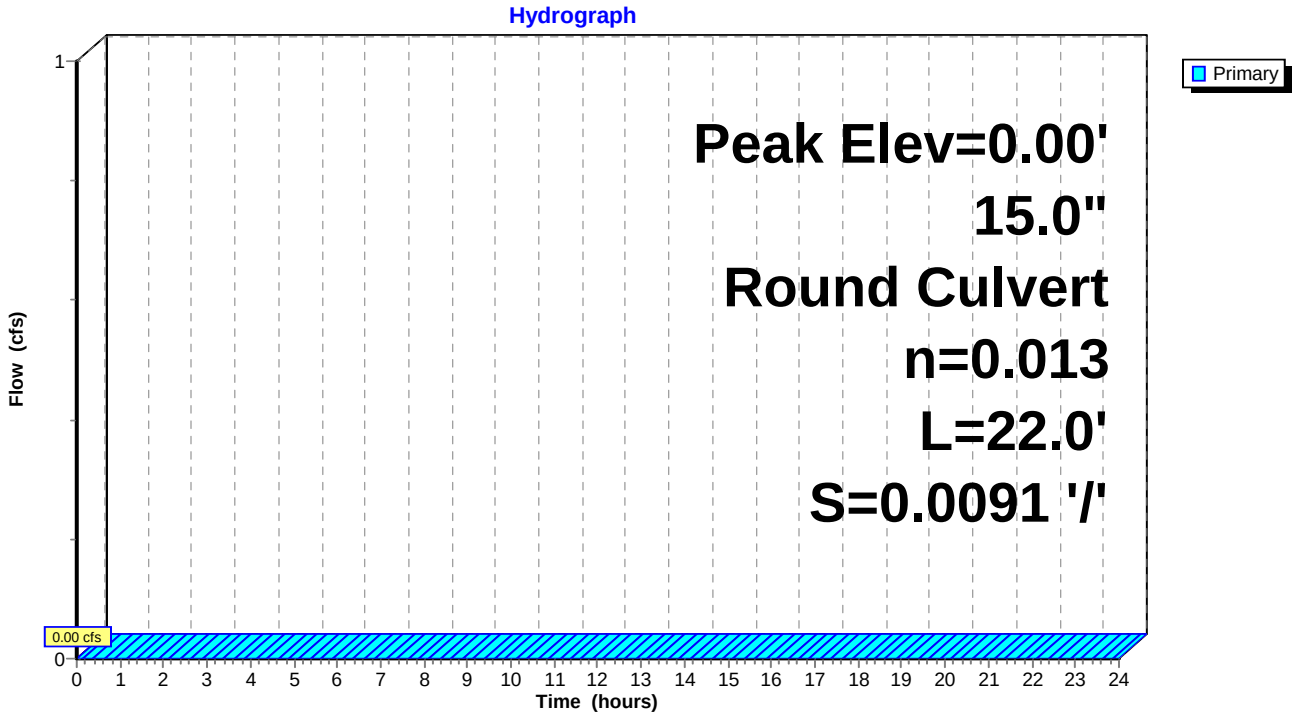
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

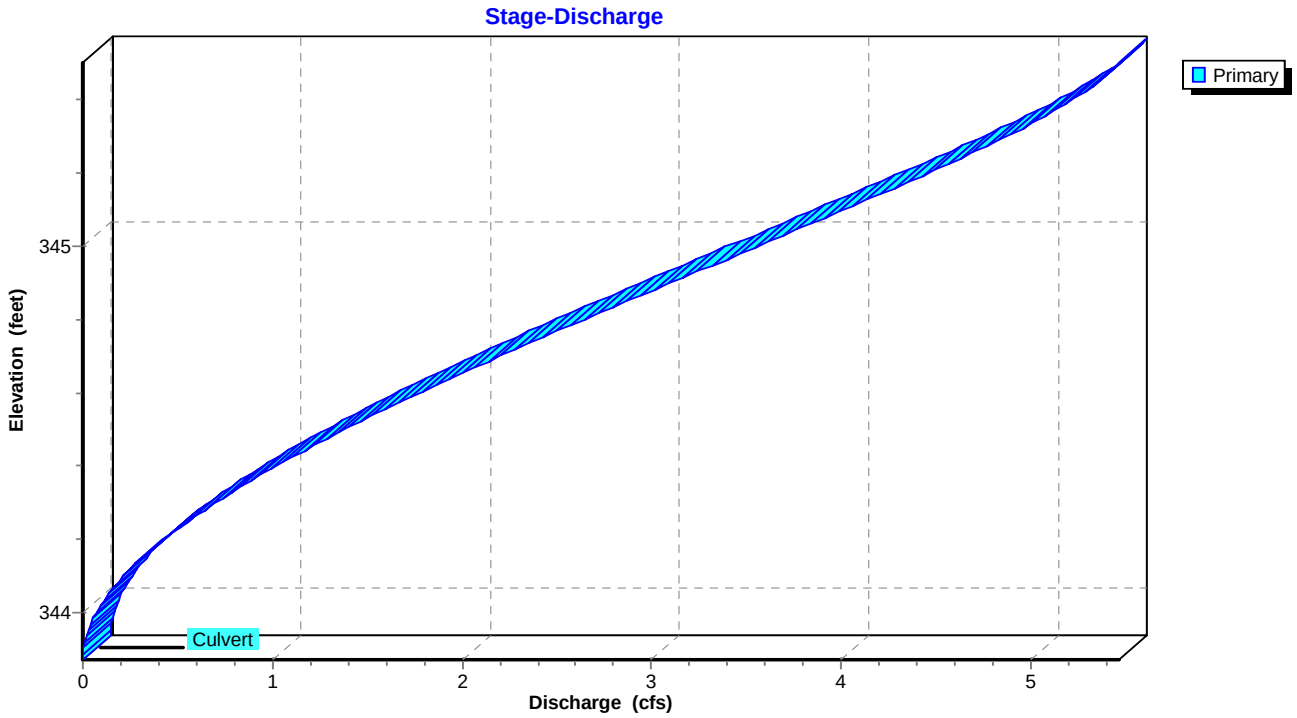
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

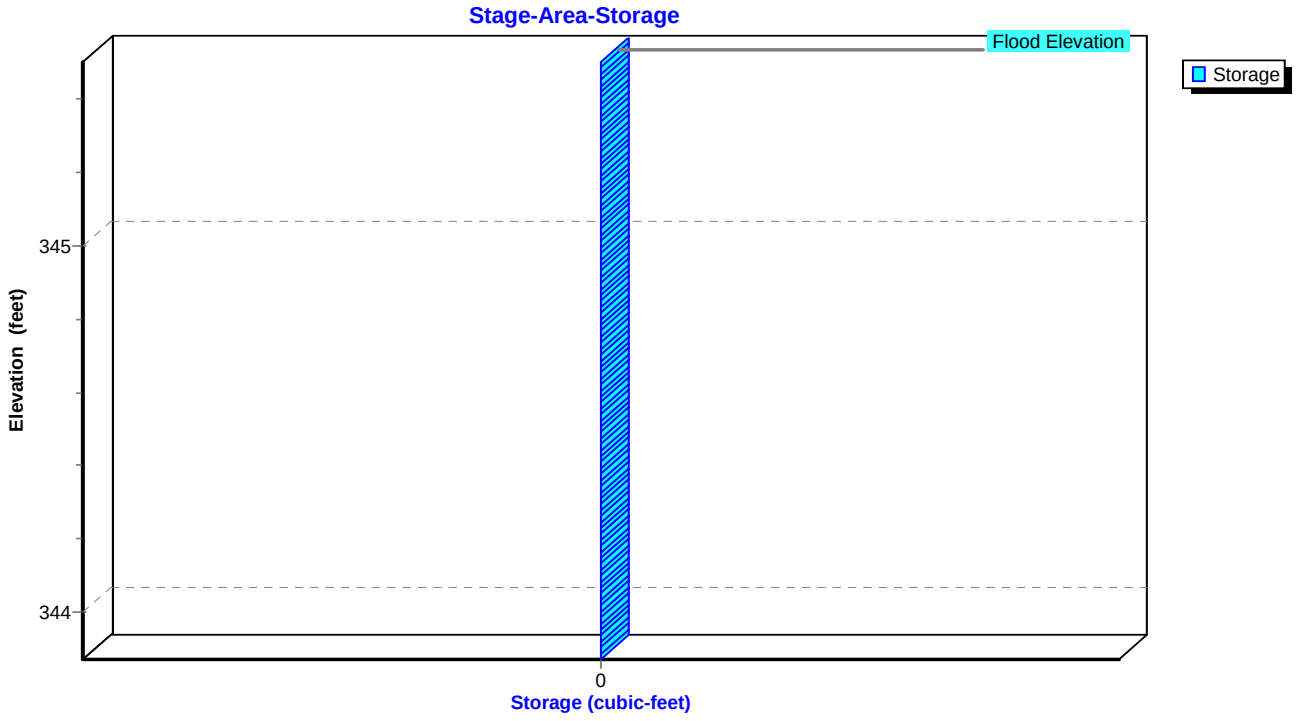
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

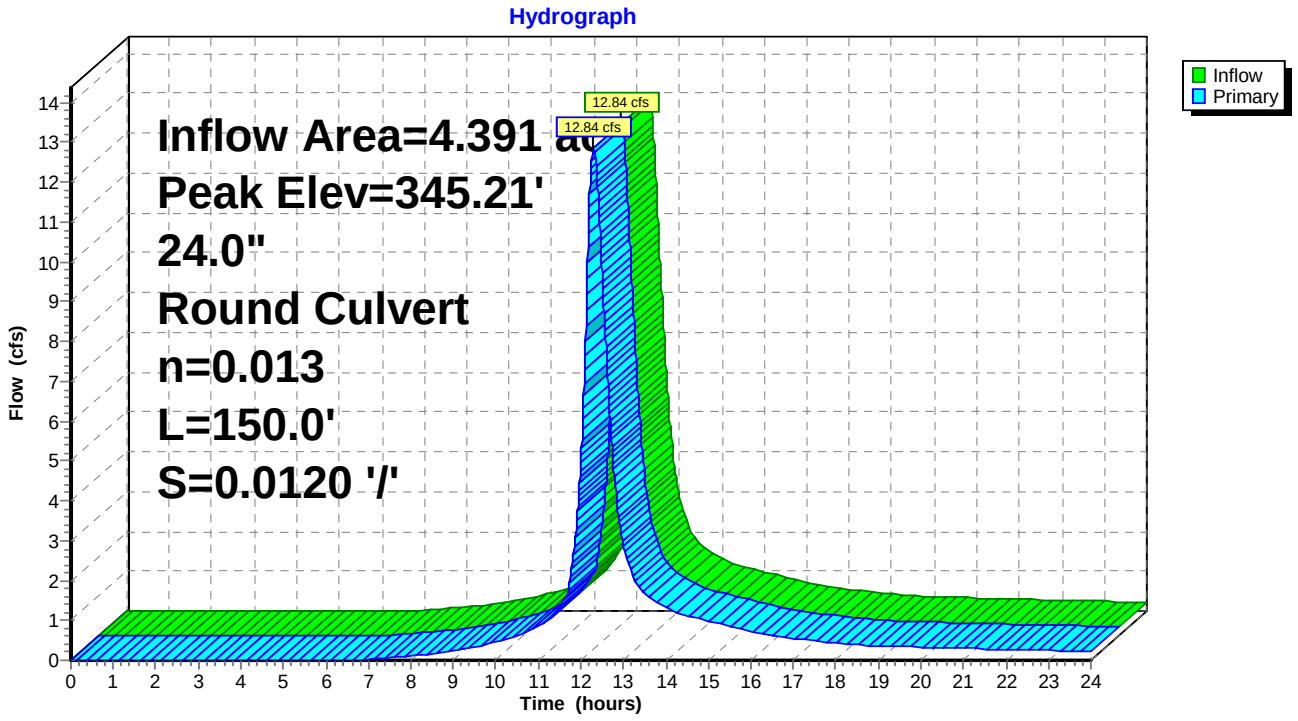
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af
Outflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af, Atten= 0%, Lag= 0.0 min
Primary = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.21' @ 12.30 hrs
Flood Elev= 347.00'

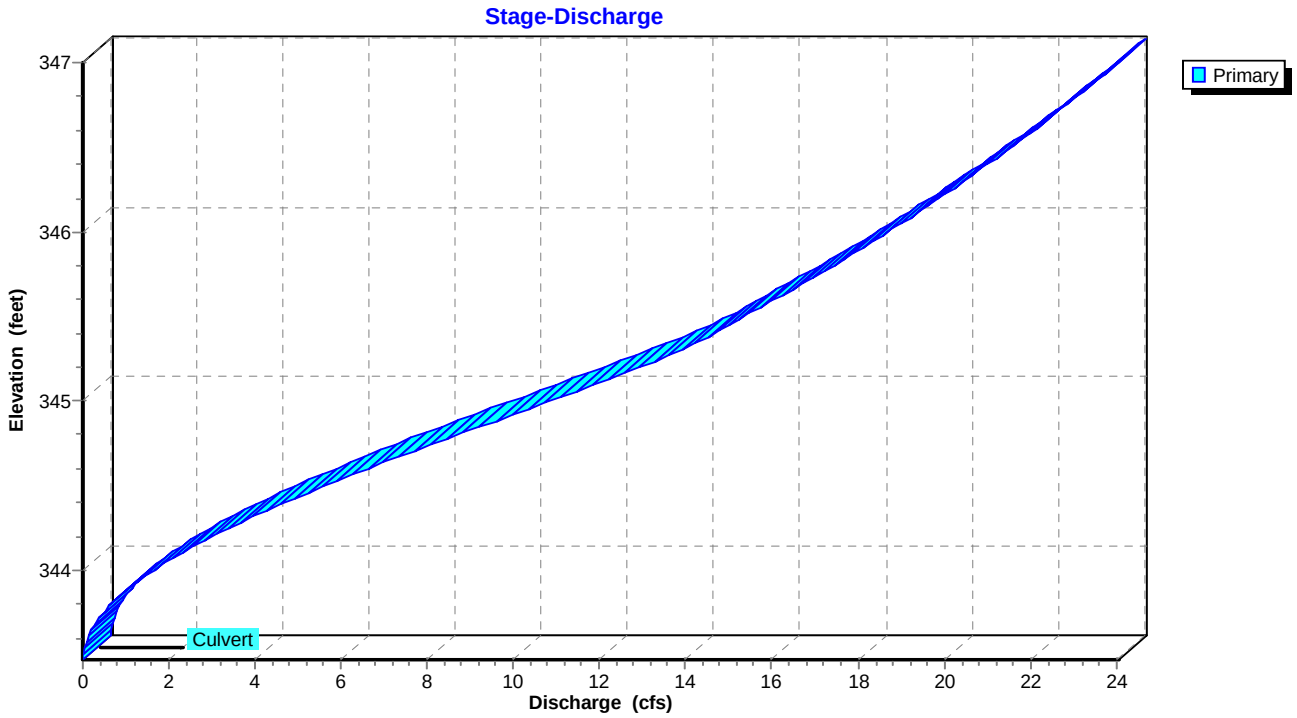
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.83 cfs @ 12.29 hrs HW=345.21' TW=343.56' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 12.83 cfs @ 5.91 fps)

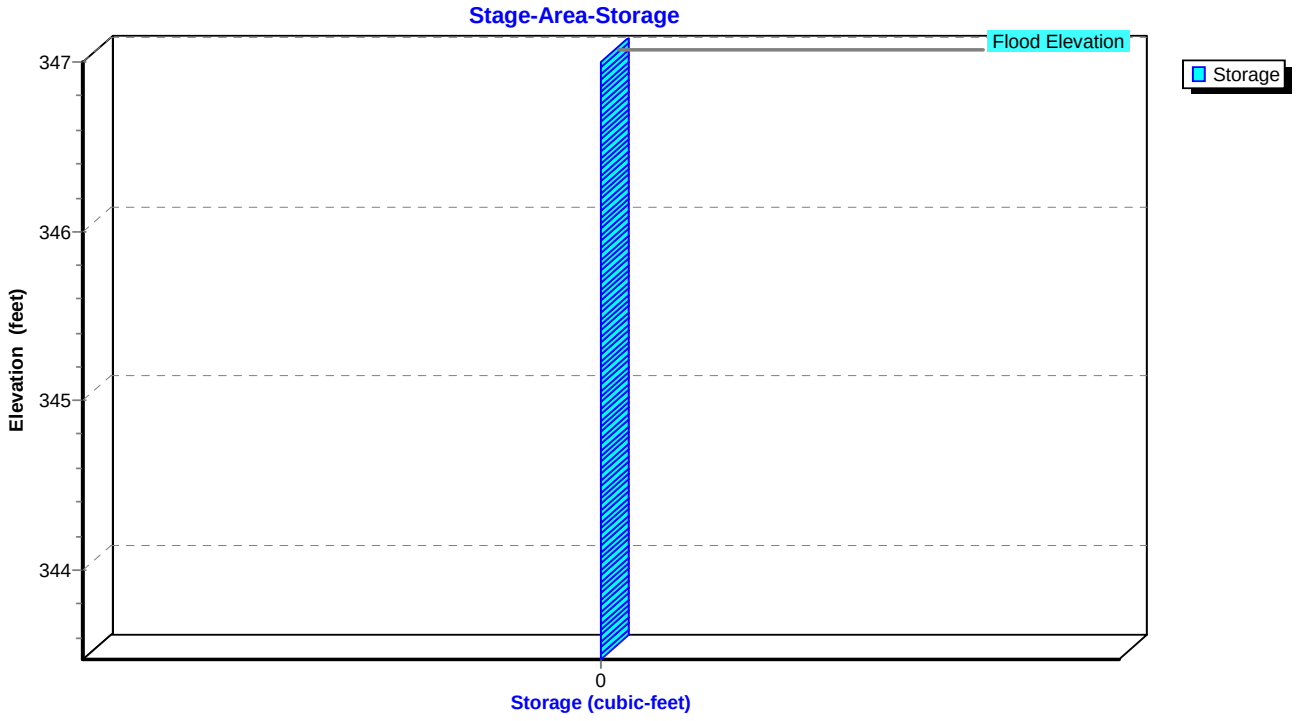
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.48	0.00
6.50	0.01	343.51	0.01
7.00	0.03	343.54	0.03
7.50	0.06	343.57	0.06
8.00	0.10	343.60	0.10
8.50	0.15	343.63	0.15
9.00	0.23	343.66	0.23
9.50	0.34	343.70	0.34
10.00	0.46	343.74	0.46
10.50	0.62	343.79	0.62
11.00	0.86	343.85	0.86
11.50	1.34	343.94	1.34
12.00	**4.95**	**344.43**	**4.95**
12.50	**9.72**	**344.89**	**9.72**
13.00	2.89	344.18	2.89
13.50	1.68	344.00	1.68
14.00	1.35	343.95	1.35
14.50	1.13	343.90	1.13
15.00	0.99	343.88	0.99
15.50	0.85	343.85	0.85
16.00	0.72	343.81	0.72
16.50	0.61	343.79	0.61
17.00	0.55	343.77	0.55
17.50	0.49	343.75	0.49
18.00	0.43	343.73	0.43
18.50	0.38	343.72	0.38
19.00	0.36	343.71	0.36
19.50	0.35	343.71	0.35
20.00	0.33	343.70	0.33
20.50	0.31	343.69	0.31
21.00	0.30	343.69	0.30
21.50	0.28	343.68	0.28
22.00	0.27	343.68	0.27
22.50	0.26	343.67	0.26
23.00	0.24	343.67	0.24
23.50	0.23	343.66	0.23
24.00	0.22	343.66	0.22

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

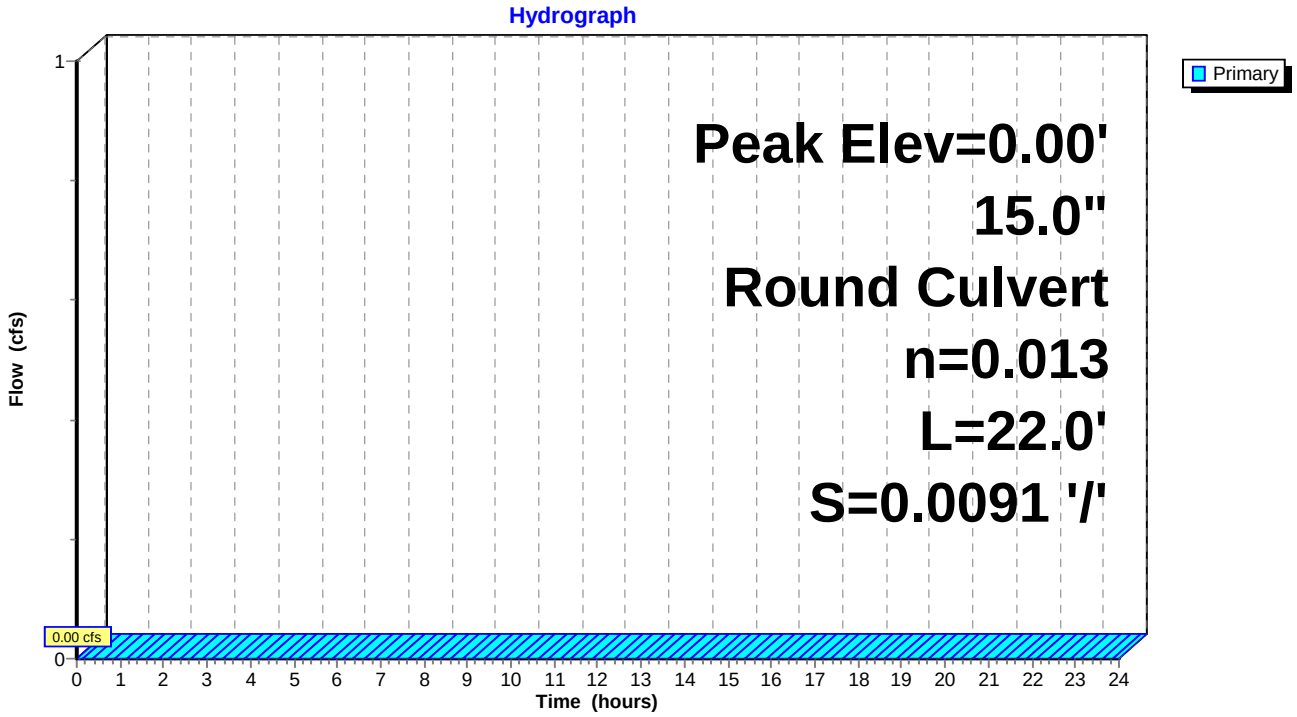
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

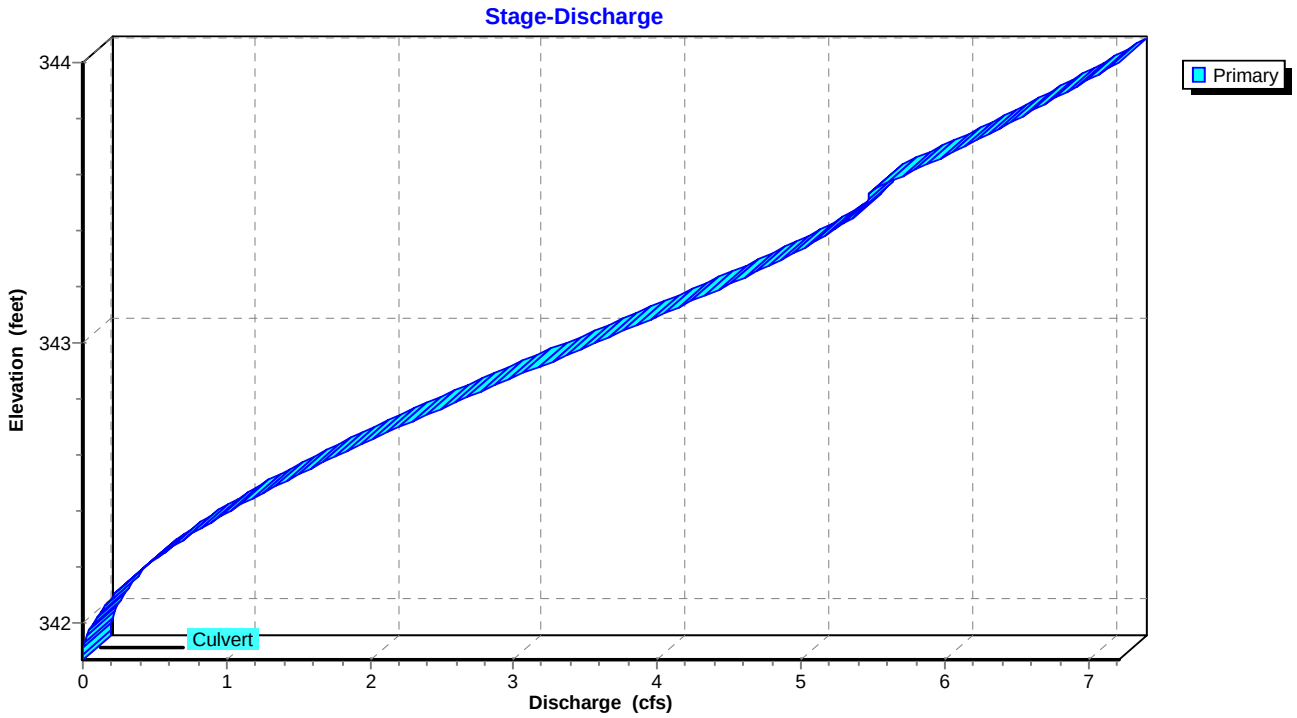
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

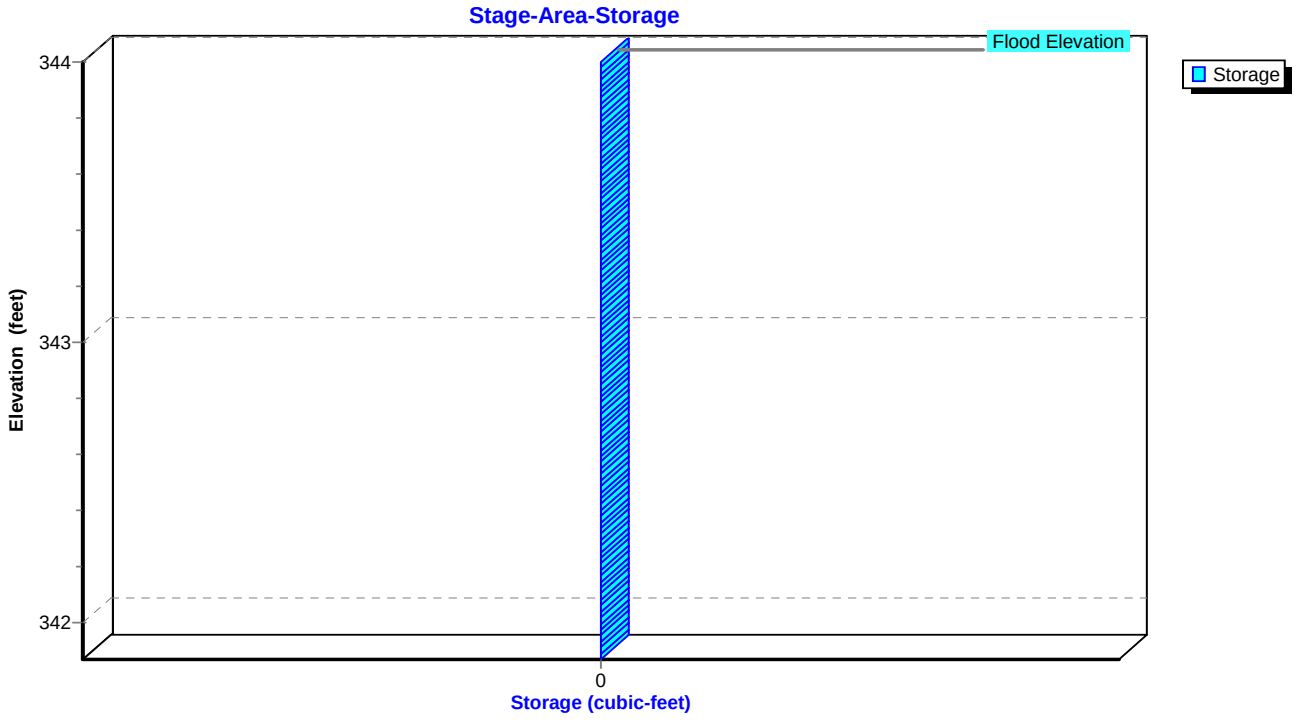
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

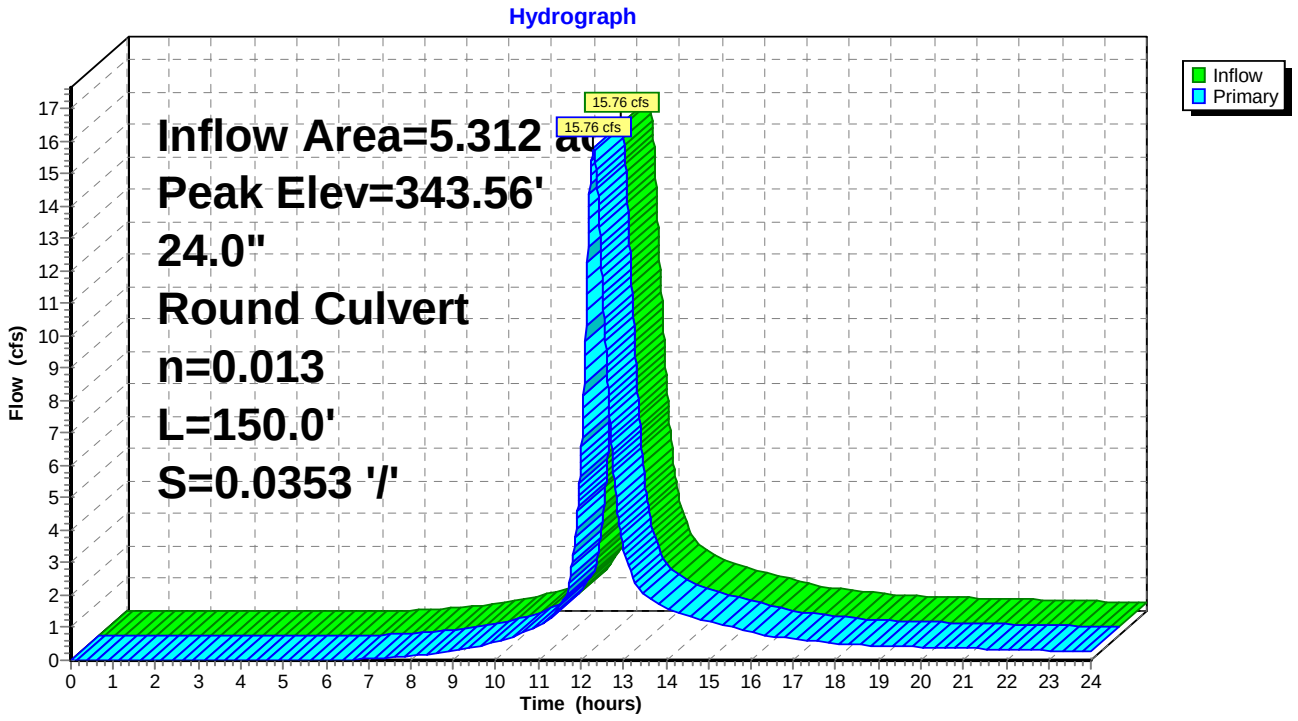
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.00" for 25-Year event
Inflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af
Outflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af, Atten= 0%, Lag= 0.0 min
Primary = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.56' @ 12.29 hrs
Flood Elev= 345.00'

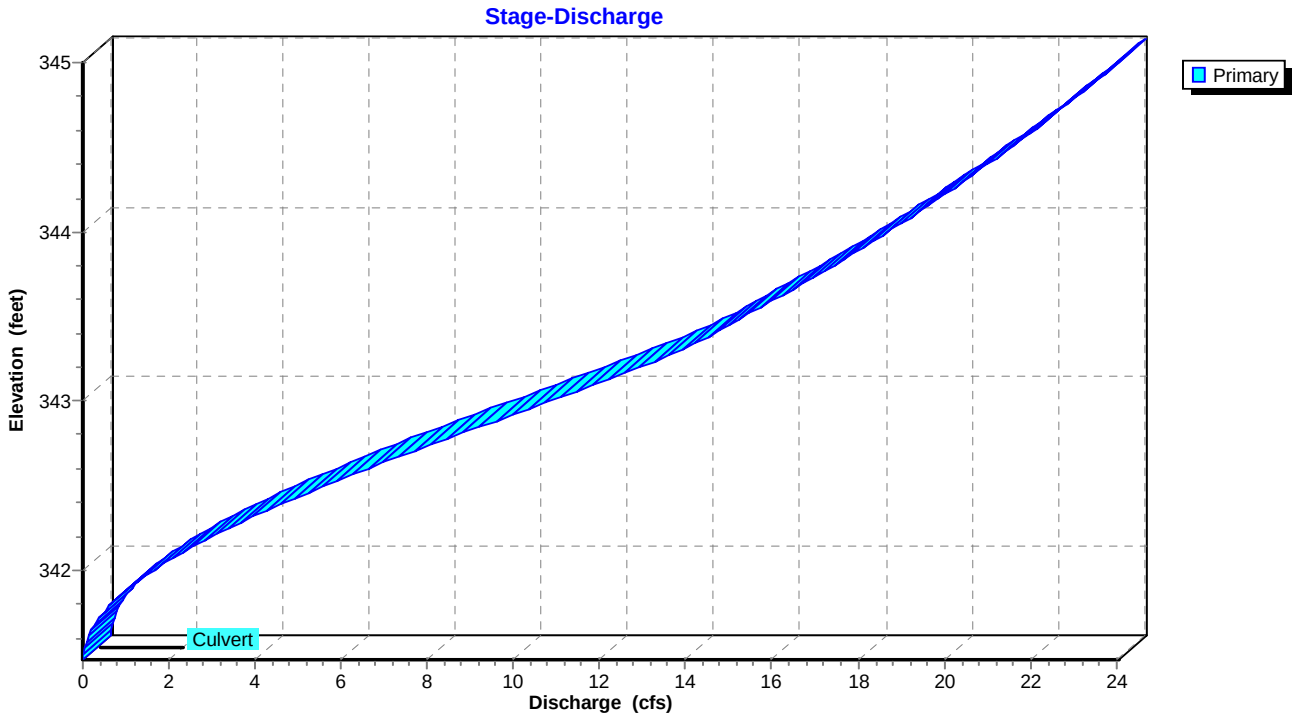
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.76 cfs @ 12.29 hrs HW=343.56' TW=337.85' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 15.76 cfs @ 5.02 fps)

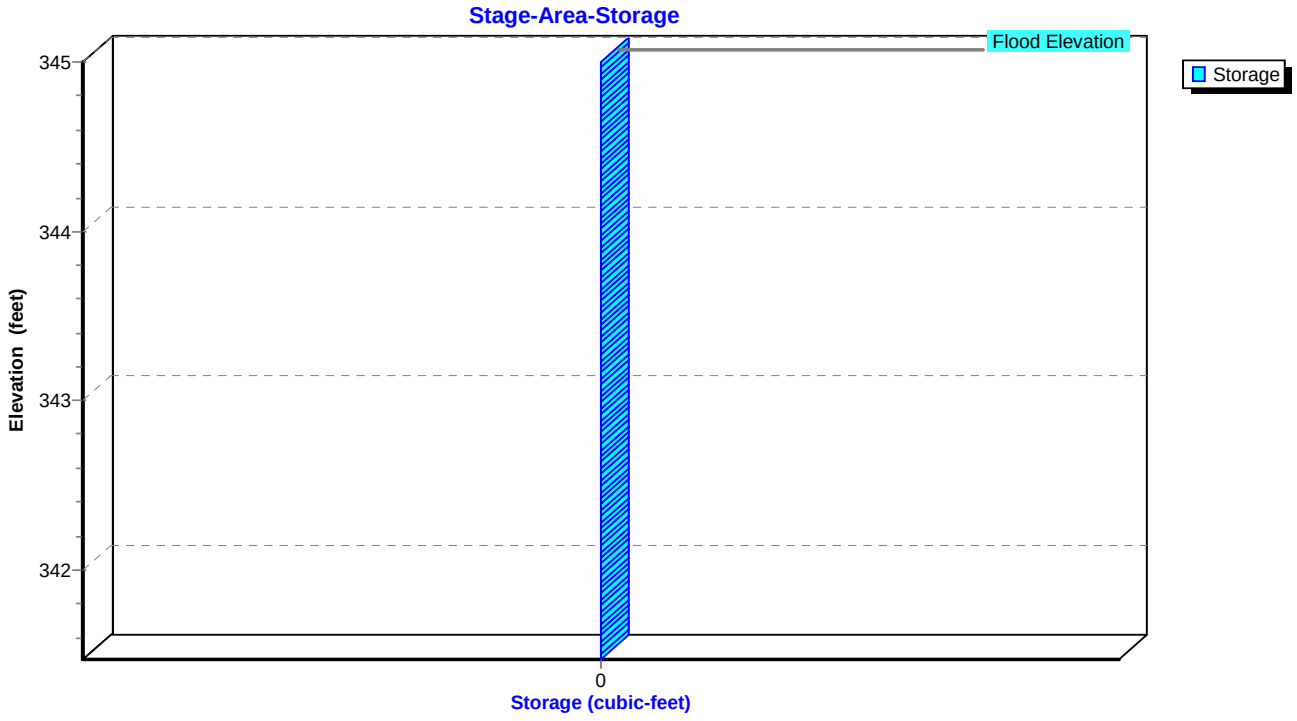
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.49	0.00
6.50	0.01	341.52	0.01
7.00	0.04	341.55	0.04
7.50	0.08	341.58	0.08
8.00	0.13	341.61	0.13
8.50	0.20	341.65	0.20
9.00	0.30	341.69	0.30
9.50	0.42	341.73	0.42
10.00	0.57	341.78	0.57
10.50	0.77	341.83	0.77
11.00	1.07	341.89	1.07
11.50	1.65	342.00	1.65
12.00	**6.09**	**342.55**	**6.09**
12.50	**11.80**	**343.09**	**11.80**
13.00	3.48	342.26	3.48
13.50	2.03	342.06	2.03
14.00	1.64	342.00	1.64
14.50	1.37	341.95	1.37
15.00	1.20	341.92	1.20
15.50	1.04	341.89	1.04
16.00	0.87	341.85	0.87
16.50	0.74	341.82	0.74
17.00	0.66	341.80	0.66
17.50	0.59	341.78	0.59
18.00	0.52	341.76	0.52
18.50	0.47	341.75	0.47
19.00	0.44	341.74	0.44
19.50	0.42	341.73	0.42
20.00	0.40	341.72	0.40
20.50	0.38	341.72	0.38
21.00	0.36	341.71	0.36
21.50	0.35	341.71	0.35
22.00	0.33	341.70	0.33
22.50	0.31	341.69	0.31
23.00	0.30	341.69	0.30
23.50	0.28	341.68	0.28
24.00	0.26	341.68	0.26

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.47	**0**	344.02	0
341.52	0	344.07	0
341.57	0	344.12	0
341.62	0	344.17	0
341.67	0	344.22	0
341.72	0	344.27	0
341.77	0	344.32	0
341.82	0	344.37	0
341.87	0	344.42	0
341.92	0	344.47	0
341.97	0	344.52	0
342.02	0	344.57	0
342.07	0	344.62	0
342.12	0	344.67	0
342.17	0	344.72	0
342.22	0	344.77	0
342.27	0	344.82	0
342.32	0	344.87	0
342.37	0	344.92	0
342.42	0	344.97	0
342.47	0		
342.52	0		
342.57	0		
342.62	0		
342.67	0		
342.72	0		
342.77	0		
342.82	0		
342.87	0		
342.92	0		
342.97	0		
343.02	0		
343.07	0		
343.12	0		
343.17	0		
343.22	0		
343.27	0		
343.32	0		
343.37	0		
343.42	0		
343.47	0		
343.52	0		
343.57	0		
343.62	0		
343.67	0		
343.72	0		
343.77	0		
343.82	0		
343.87	0		
343.92	0		
343.97	0		

Summary for Pond CB4: Catchbasin

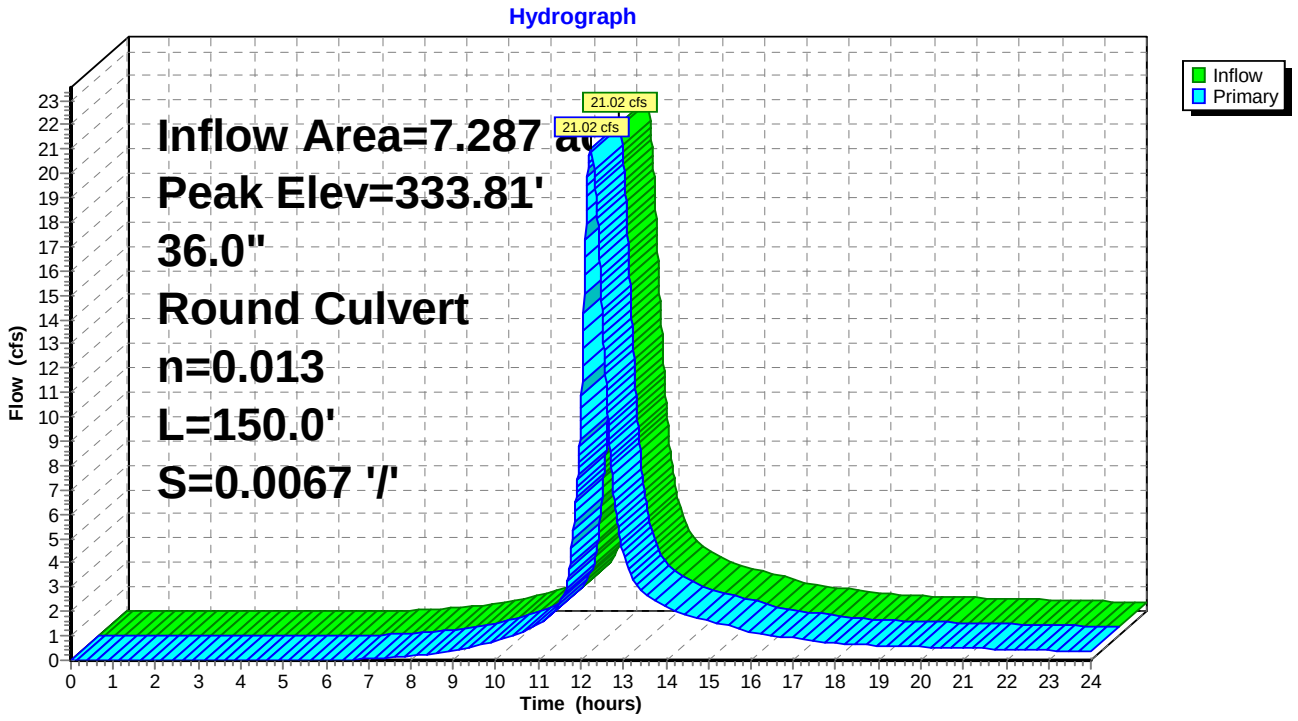
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.81' @ 12.23 hrs
Flood Elev= 337.75'

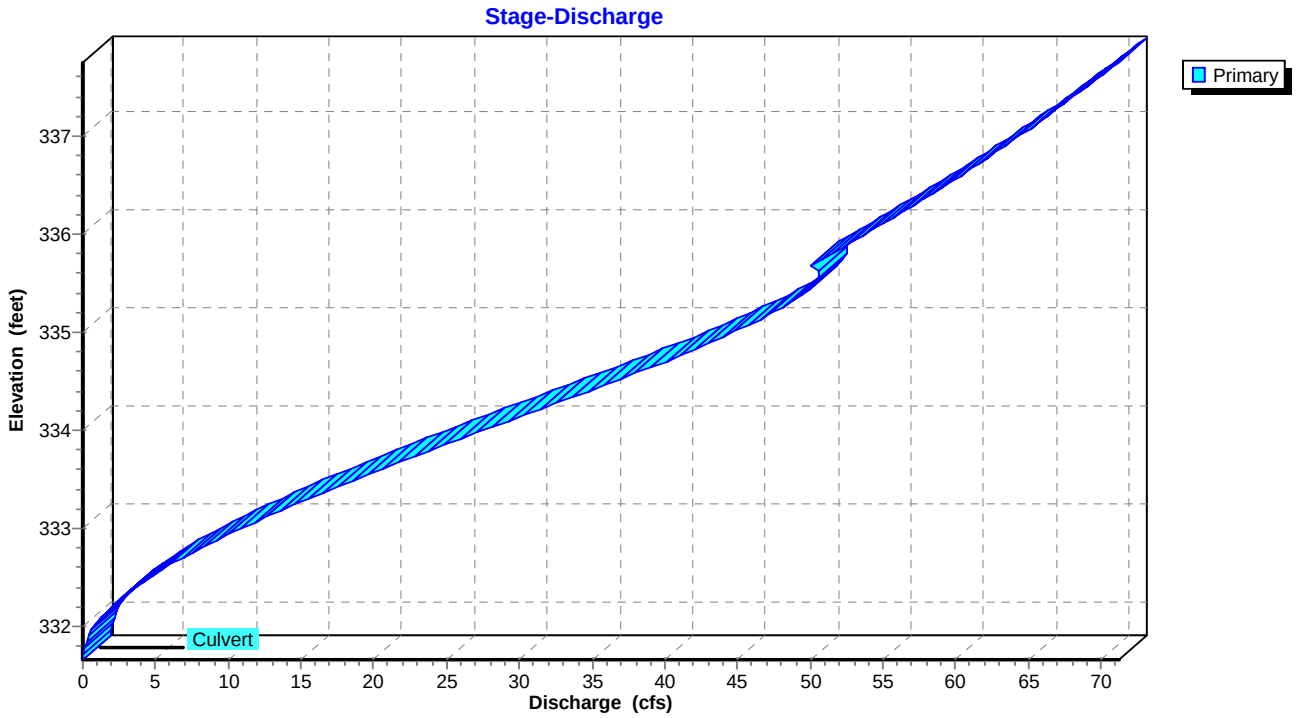
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.03 cfs @ 12.23 hrs HW=333.81' TW=332.65' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 21.03 cfs @ 5.45 fps)

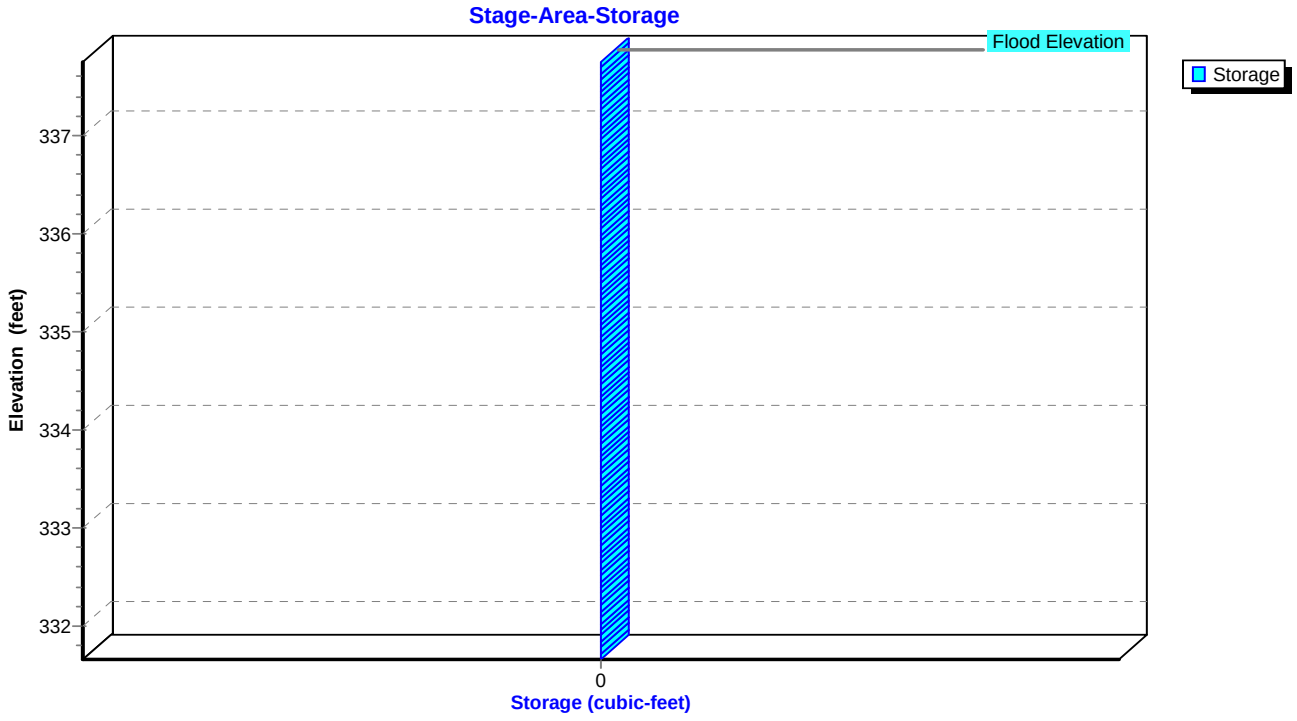
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.69	0.00
6.50	0.01	331.72	0.01
7.00	0.05	331.76	0.05
7.50	0.11	331.80	0.11
8.00	0.17	331.84	0.17
8.50	0.27	331.87	0.27
9.00	0.40	331.92	0.40
9.50	0.58	331.97	0.58
10.00	0.78	332.01	0.78
10.50	1.07	332.07	1.07
11.00	1.48	332.14	1.48
11.50	2.36	332.26	2.36
12.00	**9.89**	**332.98**	**9.89**
12.50	**14.42**	**333.32**	**14.42**
13.00	4.39	332.49	4.39
13.50	2.70	332.30	2.70
14.00	2.19	332.24	2.19
14.50	1.84	332.19	1.84
15.00	1.62	332.16	1.62
15.50	1.39	332.12	1.39
16.00	1.17	332.09	1.17
16.50	1.00	332.06	1.00
17.00	0.90	332.04	0.90
17.50	0.80	332.02	0.80
18.00	0.70	331.99	0.70
18.50	0.63	331.98	0.63
19.00	0.60	331.97	0.60
19.50	0.57	331.96	0.57
20.00	0.54	331.96	0.54
20.50	0.51	331.95	0.51
21.00	0.49	331.94	0.49
21.50	0.47	331.94	0.47
22.00	0.45	331.93	0.45
22.50	0.43	331.92	0.43
23.00	0.40	331.92	0.40
23.50	0.38	331.91	0.38
24.00	0.36	331.90	0.36

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

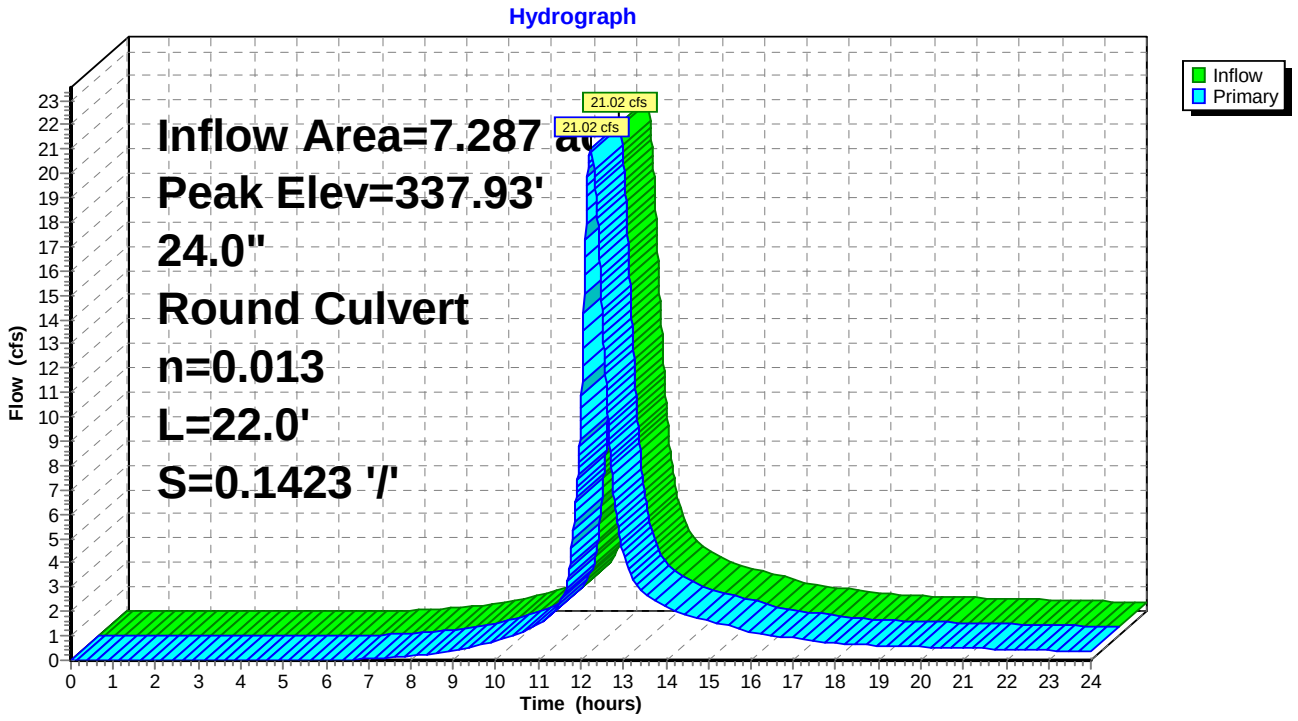
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.93' @ 12.23 hrs
Flood Elev= 339.50'

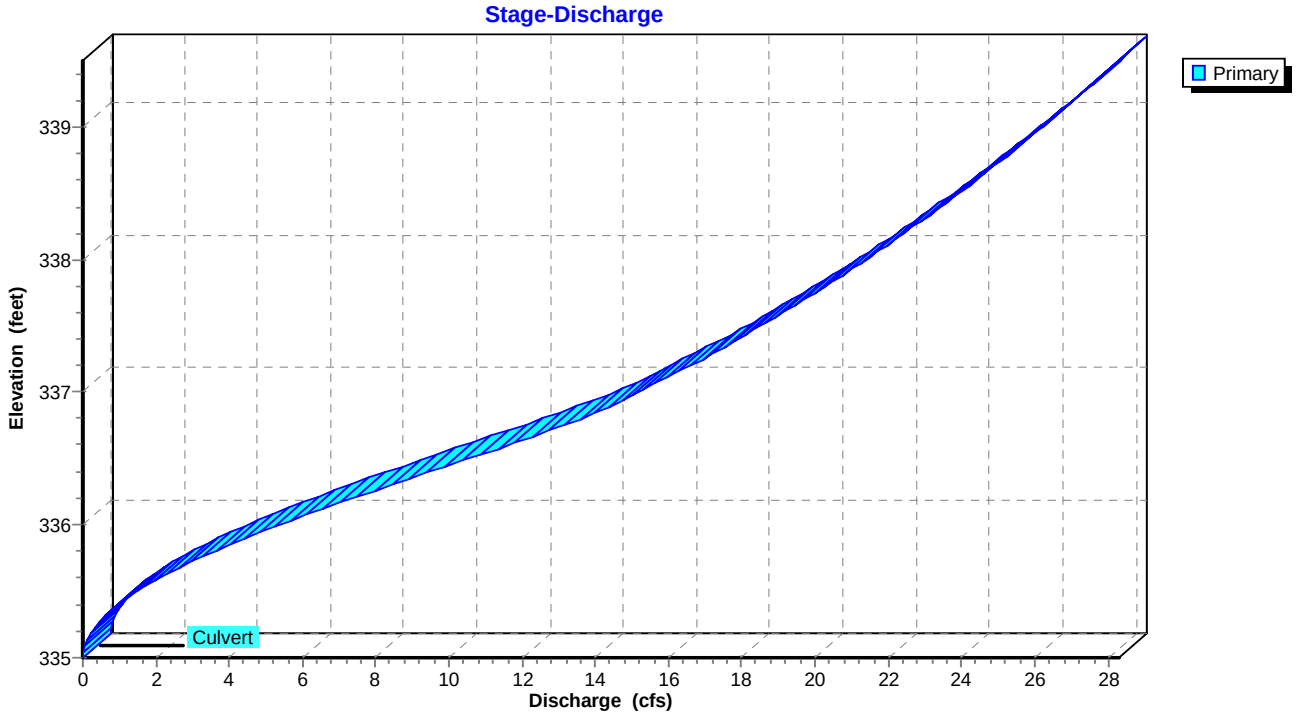
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.02 cfs @ 12.23 hrs HW=337.93' TW=333.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 21.02 cfs @ 6.69 fps)

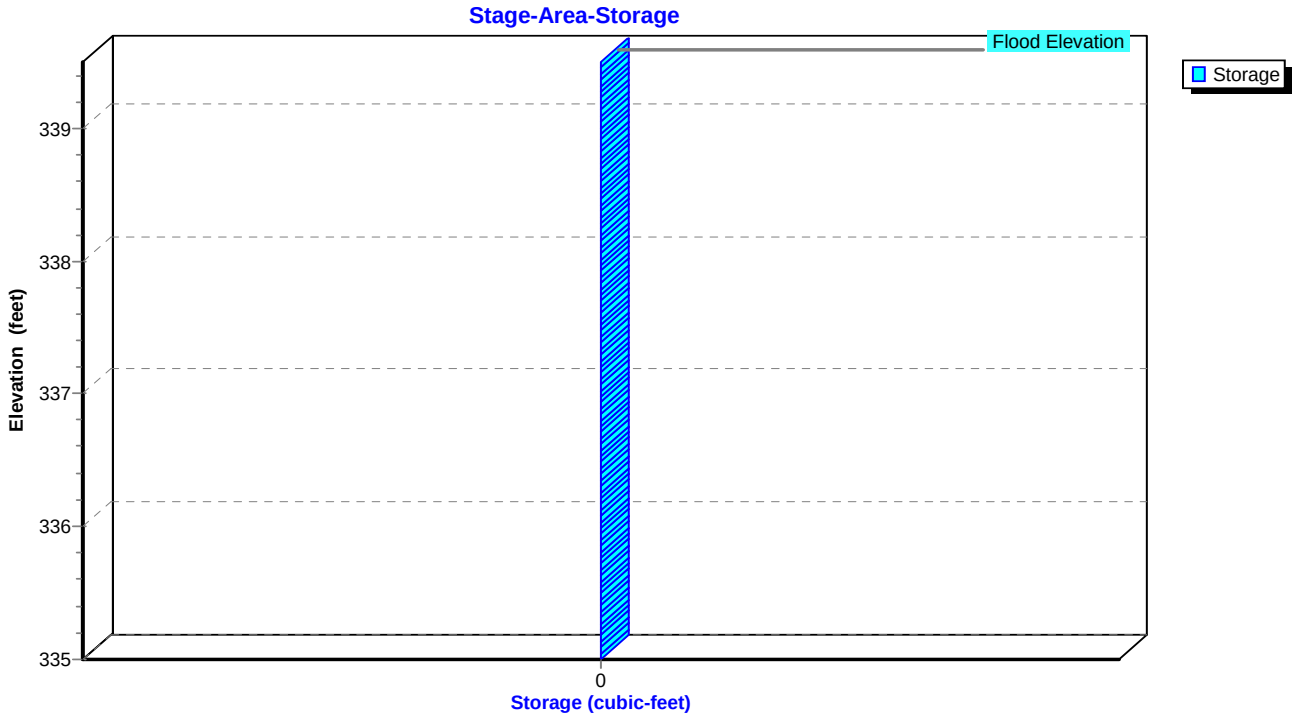
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.02	0.00
6.50	0.01	335.05	0.01
7.00	0.05	335.09	0.05
7.50	0.11	335.13	0.11
8.00	0.17	335.17	0.17
8.50	0.27	335.21	0.27
9.00	0.40	335.26	0.40
9.50	0.58	335.31	0.58
10.00	0.78	335.36	0.78
10.50	1.07	335.42	1.07
11.00	1.48	335.50	1.48
11.50	2.36	335.64	2.36
12.00	**9.89**	**336.44**	**9.89**
12.50	**14.42**	**336.89**	**14.42**
13.00	4.39	335.90	4.39
13.50	2.70	335.69	2.70
14.00	2.19	335.62	2.19
14.50	1.84	335.56	1.84
15.00	1.62	335.52	1.62
15.50	1.39	335.48	1.39
16.00	1.17	335.44	1.17
16.50	1.00	335.41	1.00
17.00	0.90	335.39	0.90
17.50	0.80	335.36	0.80
18.00	0.70	335.34	0.70
18.50	0.63	335.32	0.63
19.00	0.60	335.31	0.60
19.50	0.57	335.31	0.57
20.00	0.54	335.30	0.54
20.50	0.51	335.29	0.51
21.00	0.49	335.28	0.49
21.50	0.47	335.28	0.47
22.00	0.45	335.27	0.45
22.50	0.43	335.26	0.43
23.00	0.40	335.26	0.40
23.50	0.38	335.25	0.38
24.00	0.36	335.24	0.36

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

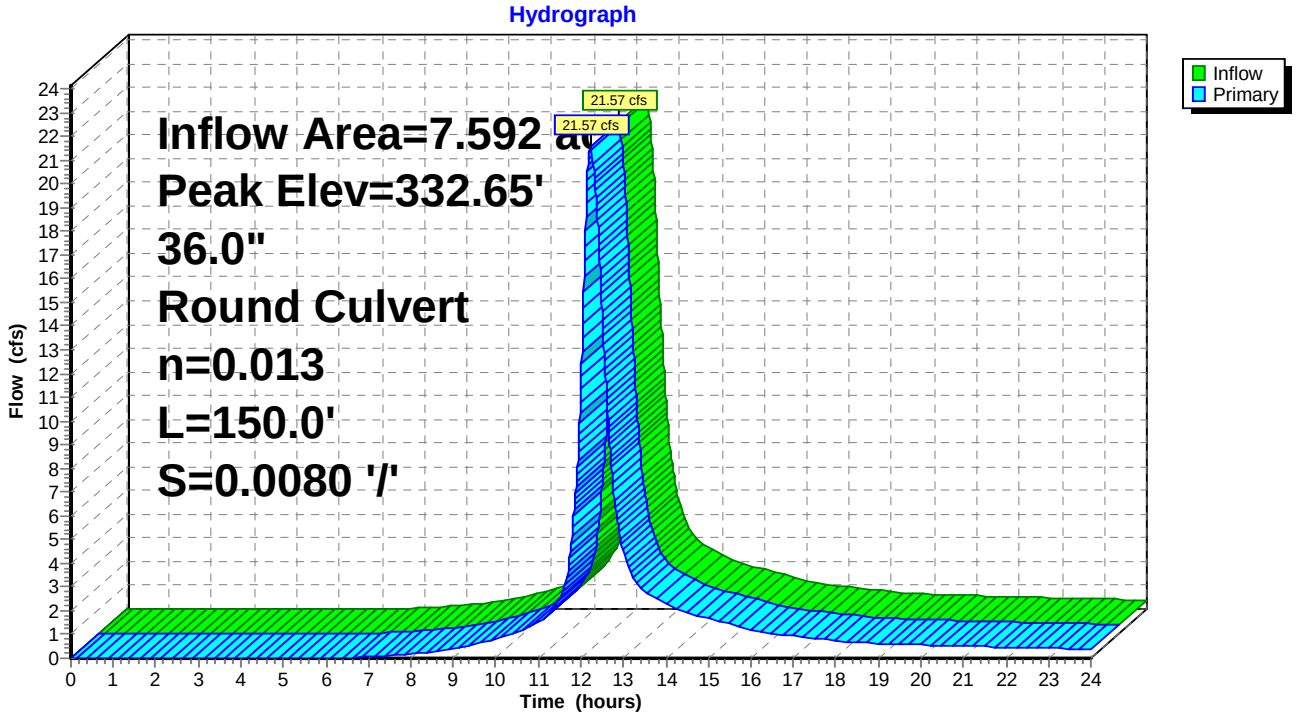
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 3.96" for 25-Year event
Inflow = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af
Outflow = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af, Atten= 0%, Lag= 0.0 min
Primary = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.65' @ 12.22 hrs
Flood Elev= 335.00'

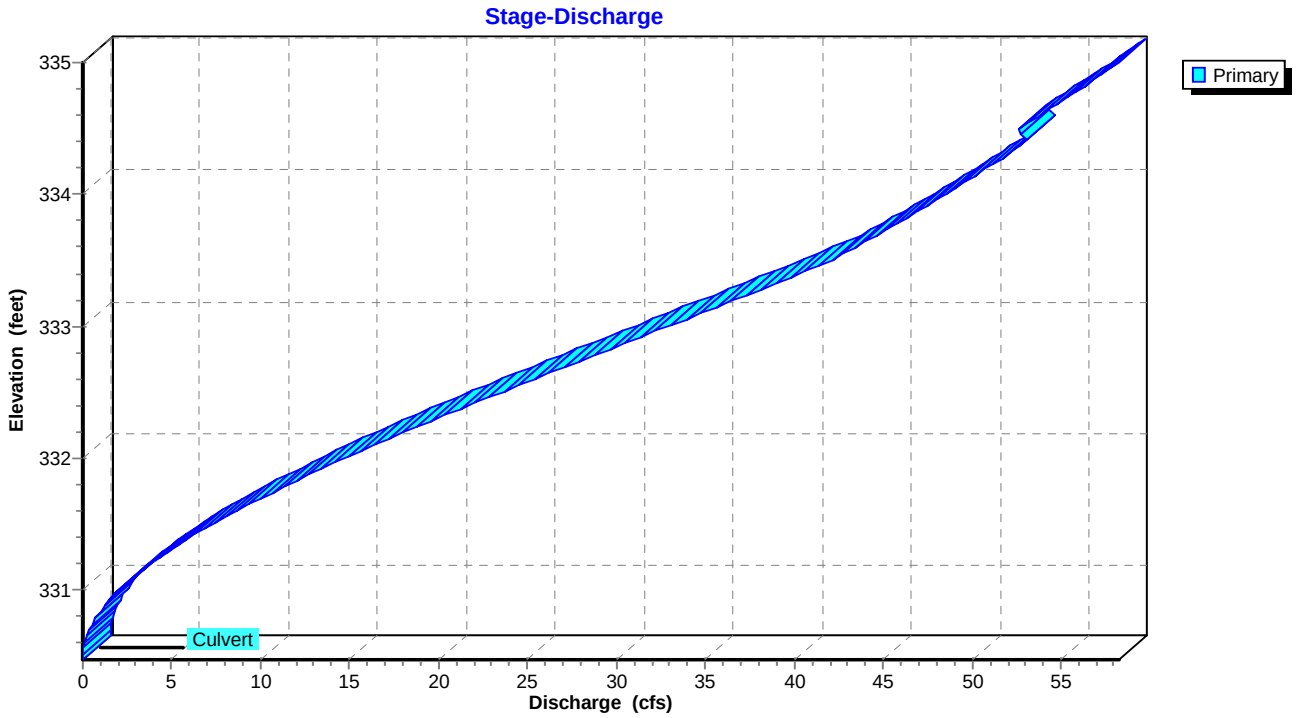
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.63 cfs @ 12.23 hrs HW=332.65' TW=331.47' (Dynamic Tailwater)
1=Culvert (Outlet Controls 21.63 cfs @ 5.50 fps)

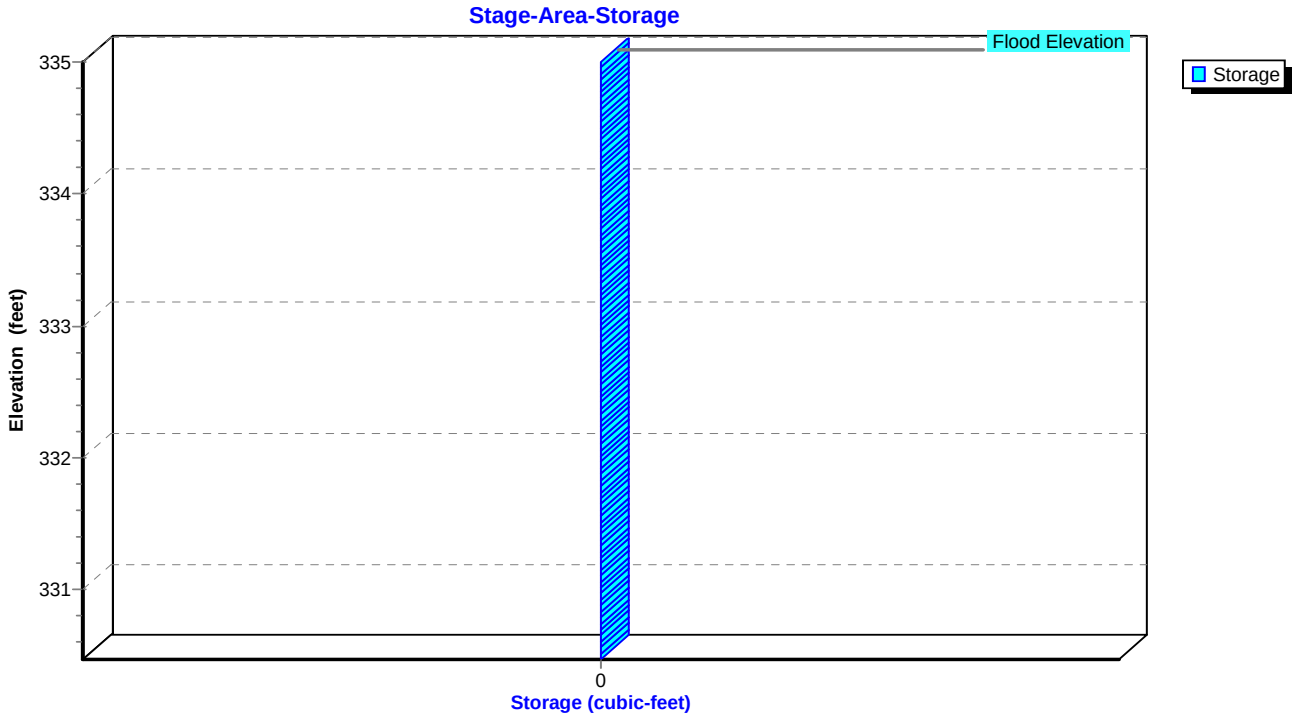
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.49	0.00
6.50	0.01	330.52	0.01
7.00	0.05	330.56	0.05
7.50	0.11	330.60	0.11
8.00	0.18	330.63	0.18
8.50	0.28	330.67	0.28
9.00	0.42	330.71	0.42
9.50	0.60	330.76	0.60
10.00	0.81	330.80	0.81
10.50	1.11	330.86	1.11
11.00	1.54	330.93	1.54
11.50	2.48	331.05	2.48
12.00	**11.35**	**331.85**	**11.35**
12.50	**14.62**	**332.11**	**14.62**
13.00	4.50	331.27	4.50
13.50	2.80	331.09	2.80
14.00	2.27	331.03	2.27
14.50	1.91	330.98	1.91
15.00	1.68	330.95	1.68
15.50	1.44	330.91	1.44
16.00	1.21	330.88	1.21
16.50	1.04	330.85	1.04
17.00	0.93	330.83	0.93
17.50	0.83	330.81	0.83
18.00	0.73	330.79	0.73
18.50	0.66	330.77	0.66
19.00	0.62	330.76	0.62
19.50	0.59	330.76	0.59
20.00	0.56	330.75	0.56
20.50	0.54	330.74	0.54
21.00	0.51	330.74	0.51
21.50	0.49	330.73	0.49
22.00	0.47	330.73	0.47
22.50	0.44	330.72	0.44
23.00	0.42	330.71	0.42
23.50	0.40	330.71	0.40
24.00	0.37	330.70	0.37

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

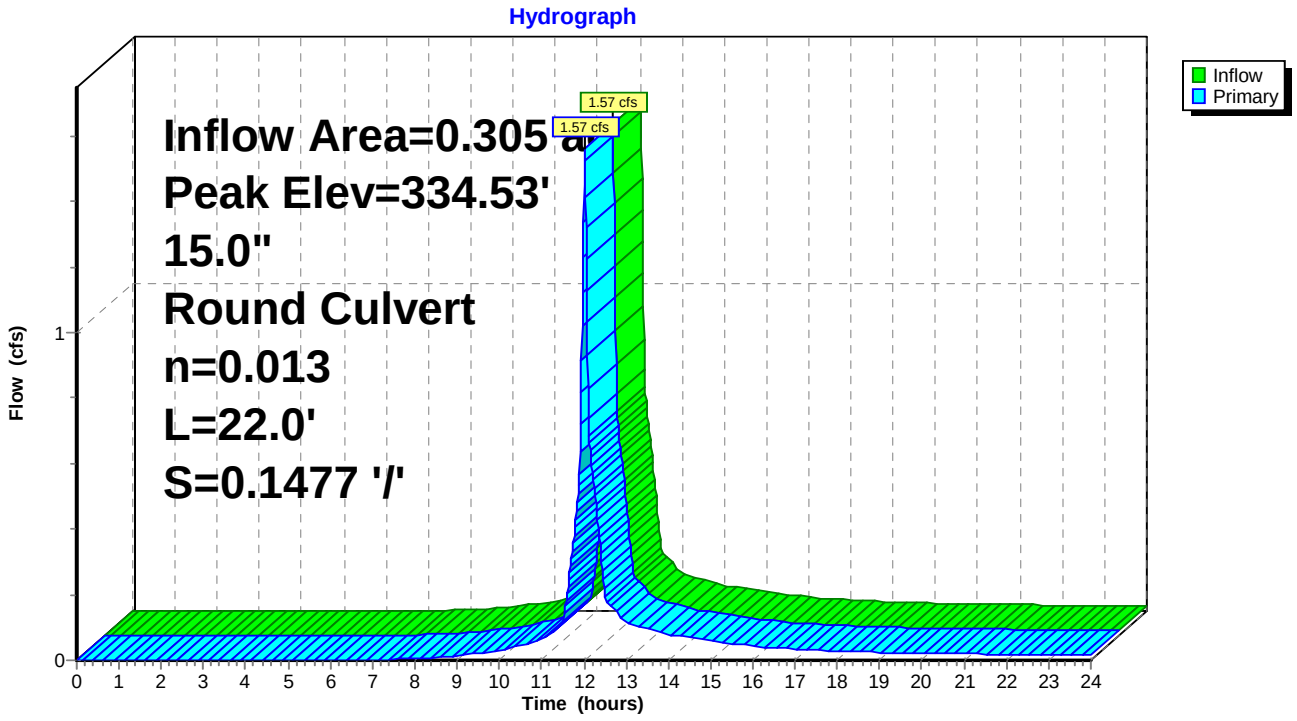
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 3.68" for 25-Year event
Inflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.53' @ 12.02 hrs
Flood Elev= 336.50'

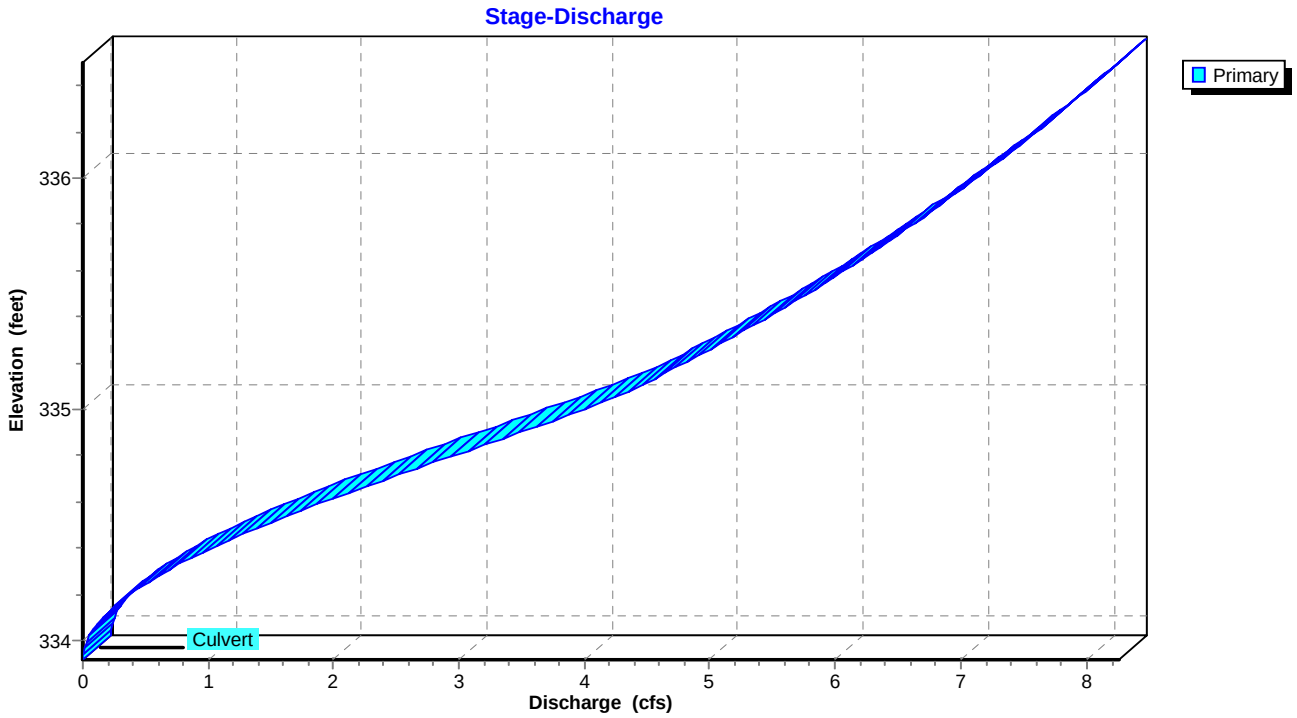
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.56 cfs @ 12.02 hrs HW=334.52' TW=331.92' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.56 cfs @ 2.65 fps)

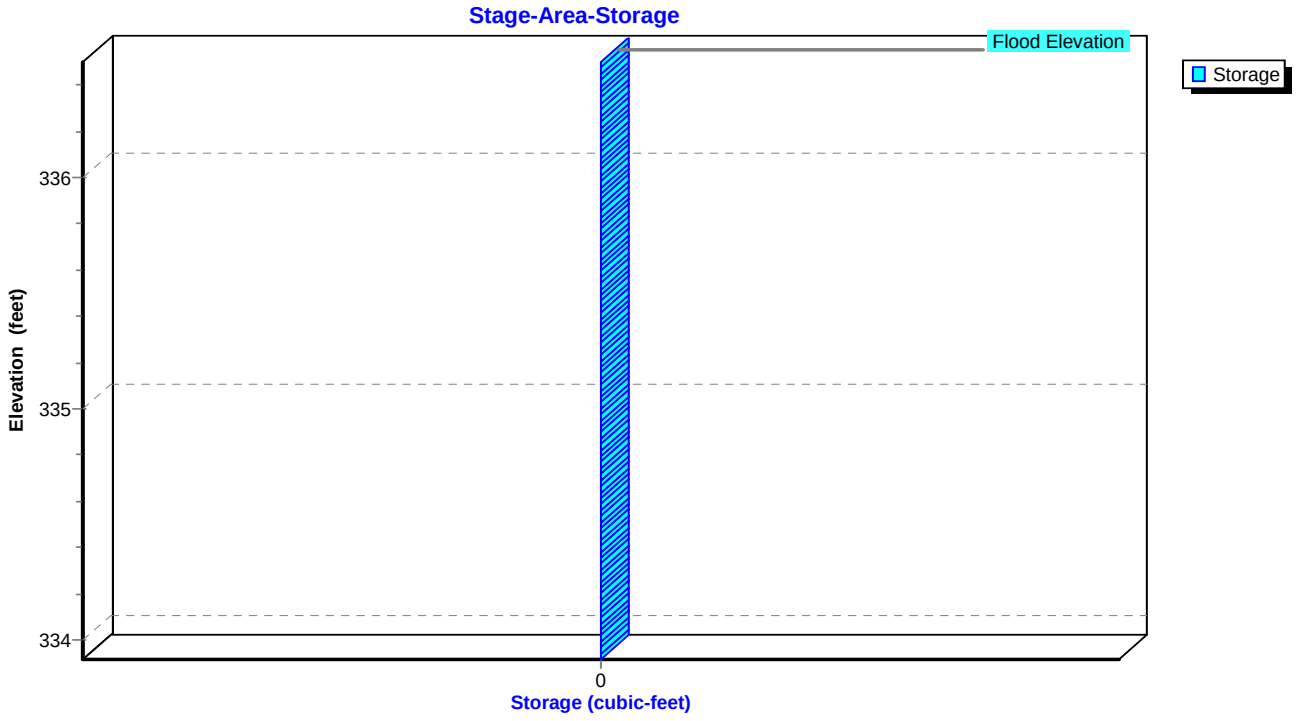
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.93	0.00
7.50	0.00	333.94	0.00
8.00	0.00	333.95	0.00
8.50	0.01	333.96	0.01
9.00	0.01	333.97	0.01
9.50	0.02	333.99	0.02
10.00	0.03	334.00	0.03
10.50	0.04	334.01	0.04
11.00	0.06	334.03	0.06
11.50	0.12	334.07	0.12
12.00	**1.45**	**334.50**	**1.45**
12.50	**0.20**	**334.12**	**0.20**
13.00	0.12	334.07	0.12
13.50	0.10	334.06	0.10
14.00	0.08	334.05	0.08
14.50	0.07	334.04	0.07
15.00	0.06	334.03	0.06
15.50	0.05	334.02	0.05
16.00	0.04	334.01	0.04
16.50	0.04	334.01	0.04
17.00	0.03	334.00	0.03
17.50	0.03	334.00	0.03
18.00	0.03	333.99	0.03
18.50	0.02	333.99	0.02
19.00	0.02	333.99	0.02
19.50	0.02	333.99	0.02
20.00	0.02	333.99	0.02
20.50	0.02	333.98	0.02
21.00	0.02	333.98	0.02
21.50	0.02	333.98	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

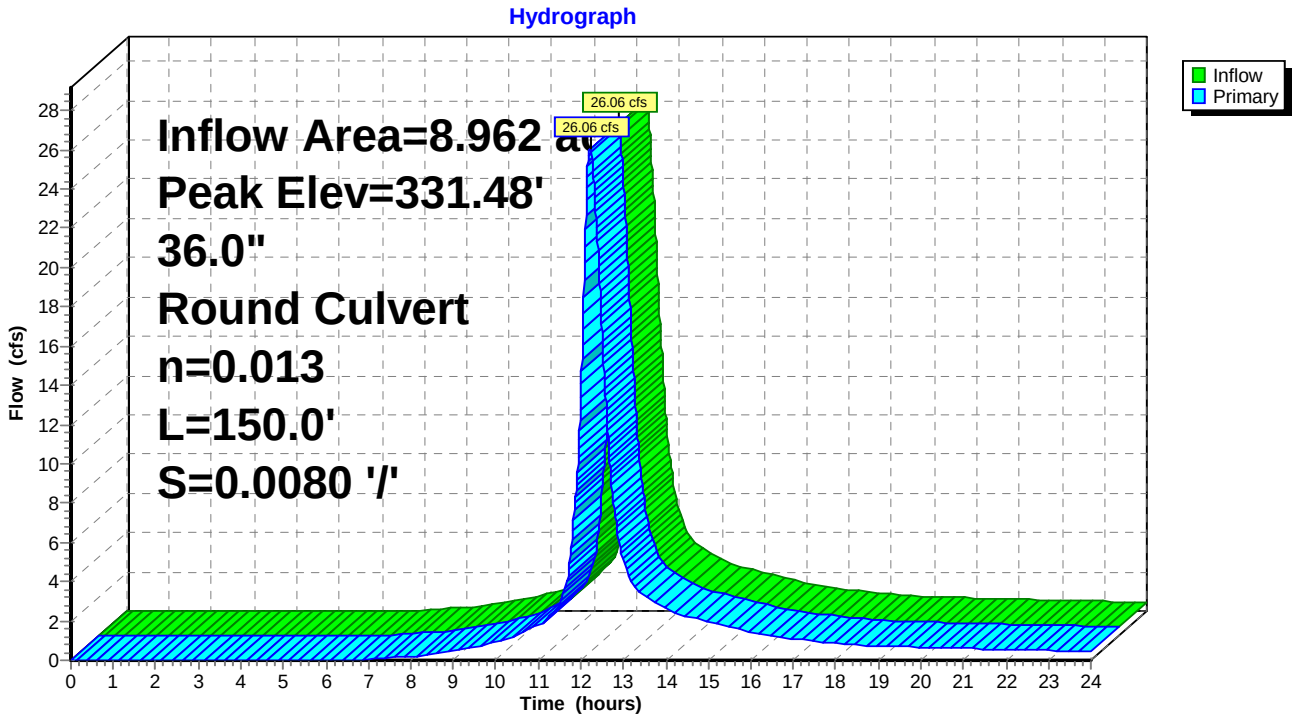
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.91" for 25-Year event
Inflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af
Outflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af, Atten= 0%, Lag= 0.0 min
Primary = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.48' @ 12.20 hrs
Flood Elev= 337.00'

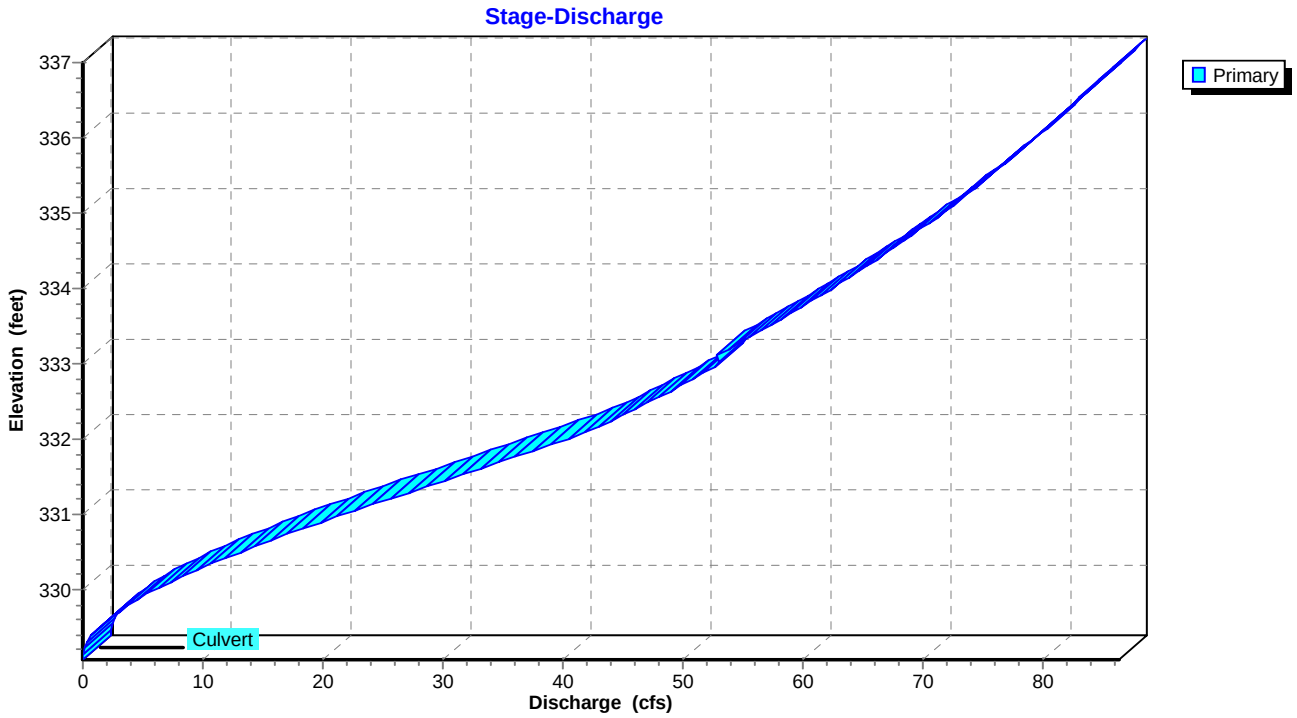
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.14 cfs @ 12.21 hrs HW=331.47' TW=330.16' (Dynamic Tailwater)
1=Culvert (Outlet Controls 26.14 cfs @ 5.89 fps)

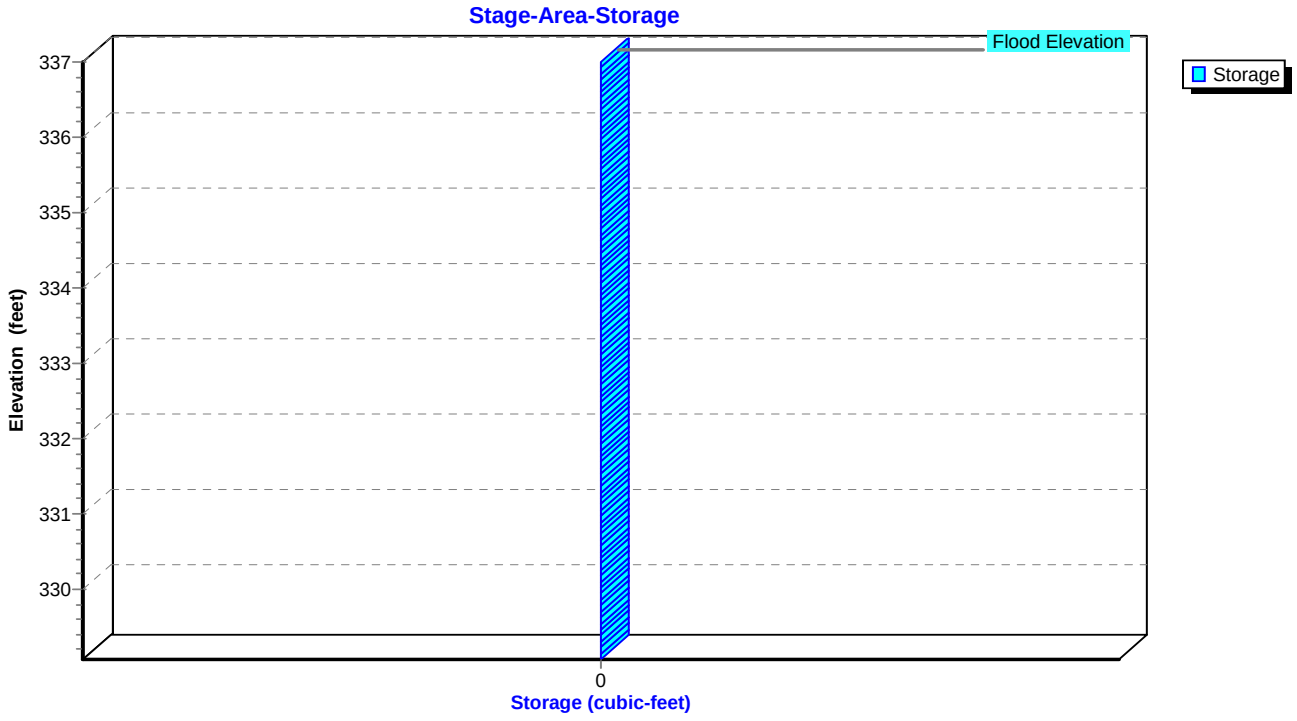
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.09	0.00
6.50	0.01	329.12	0.01
7.00	0.05	329.16	0.05
7.50	0.12	329.20	0.12
8.00	0.20	329.24	0.20
8.50	0.31	329.28	0.31
9.00	0.48	329.33	0.48
9.50	0.68	329.38	0.68
10.00	0.93	329.43	0.93
10.50	1.29	329.49	1.29
11.00	1.79	329.56	1.79
11.50	2.90	329.70	2.90
12.00	**13.42**	**330.60**	**13.42**
12.50	**16.69**	**330.82**	**16.69**
13.00	5.14	329.93	5.14
13.50	3.26	329.74	3.26
14.00	2.65	329.67	2.65
14.50	2.23	329.62	2.23
15.00	1.96	329.59	1.96
15.50	1.69	329.55	1.69
16.00	1.41	329.51	1.41
16.50	1.22	329.48	1.22
17.00	1.09	329.46	1.09
17.50	0.97	329.43	0.97
18.00	0.85	329.41	0.85
18.50	0.77	329.40	0.77
19.00	0.73	329.39	0.73
19.50	0.70	329.38	0.70
20.00	0.66	329.37	0.66
20.50	0.63	329.37	0.63
21.00	0.60	329.36	0.60
21.50	0.57	329.35	0.57
22.00	0.55	329.35	0.55
22.50	0.52	329.34	0.52
23.00	0.49	329.33	0.49
23.50	0.46	329.32	0.46
24.00	0.44	329.32	0.44

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

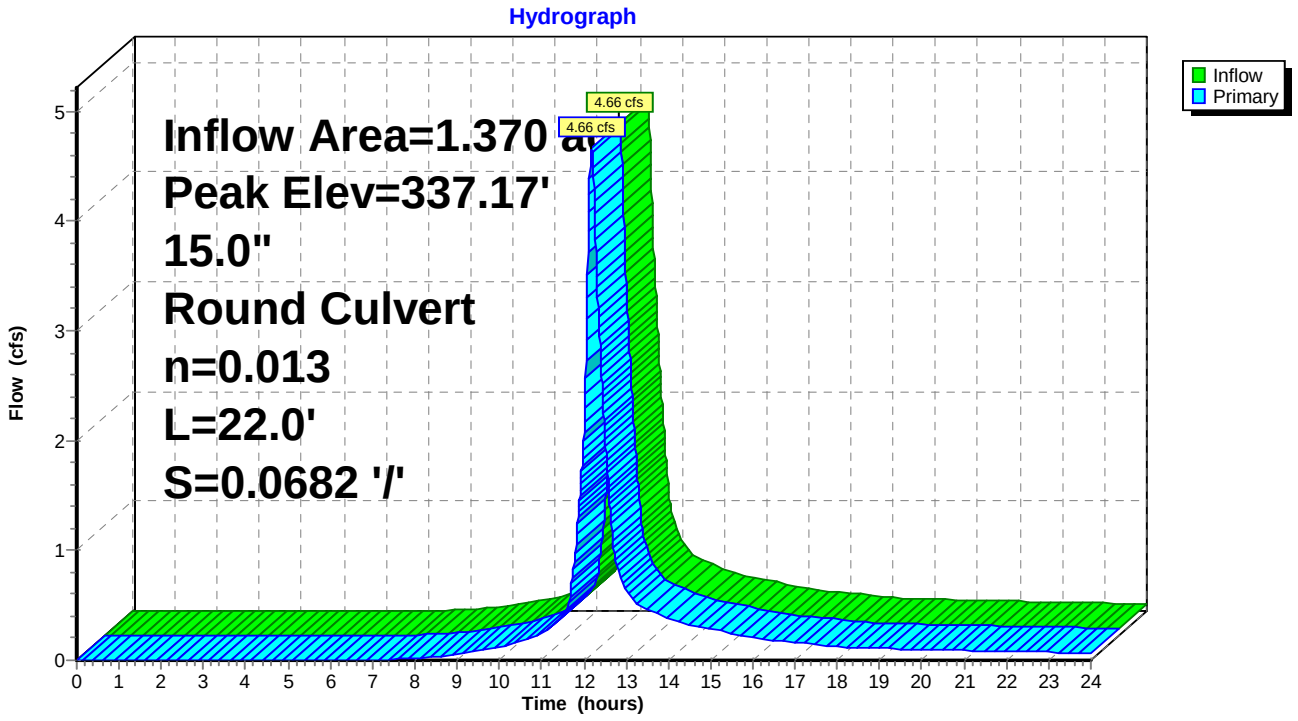
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af
Outflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af, Atten= 0%, Lag= 0.0 min
Primary = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.17' @ 12.18 hrs
Flood Elev= 338.50'

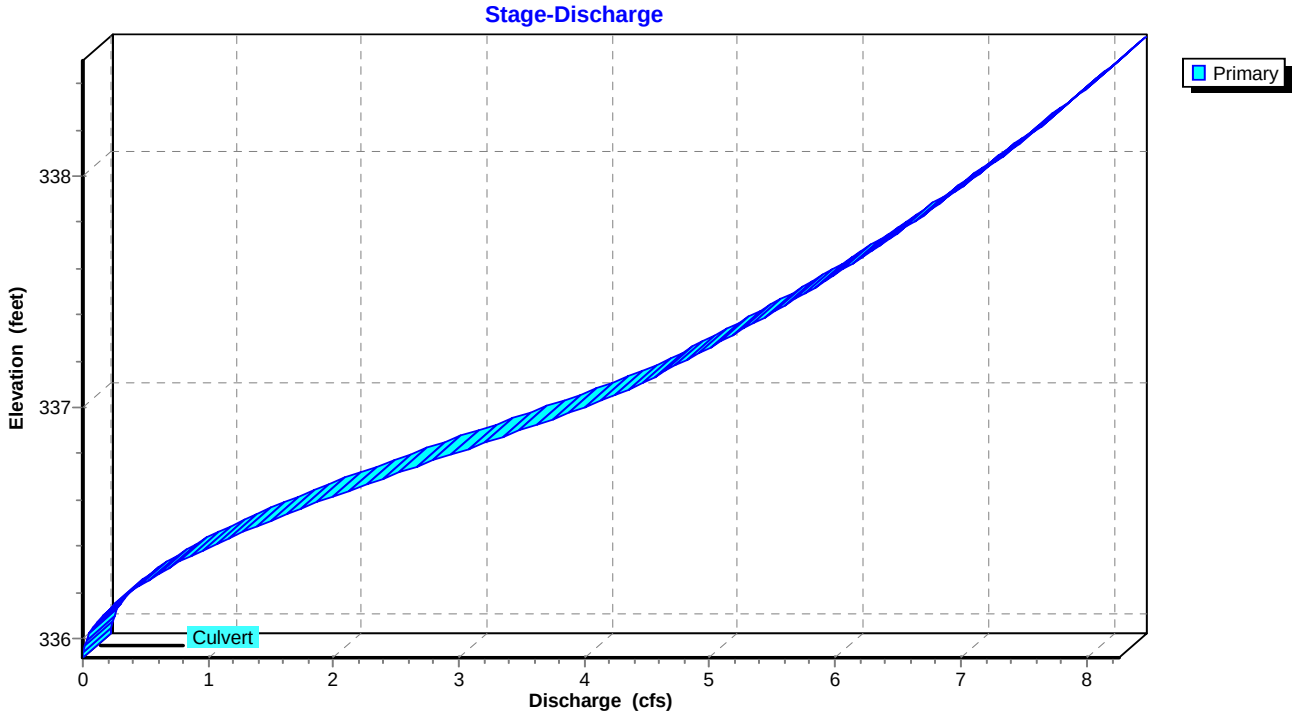
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.66 cfs @ 12.18 hrs HW=337.16' TW=331.47' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.66 cfs @ 3.80 fps)

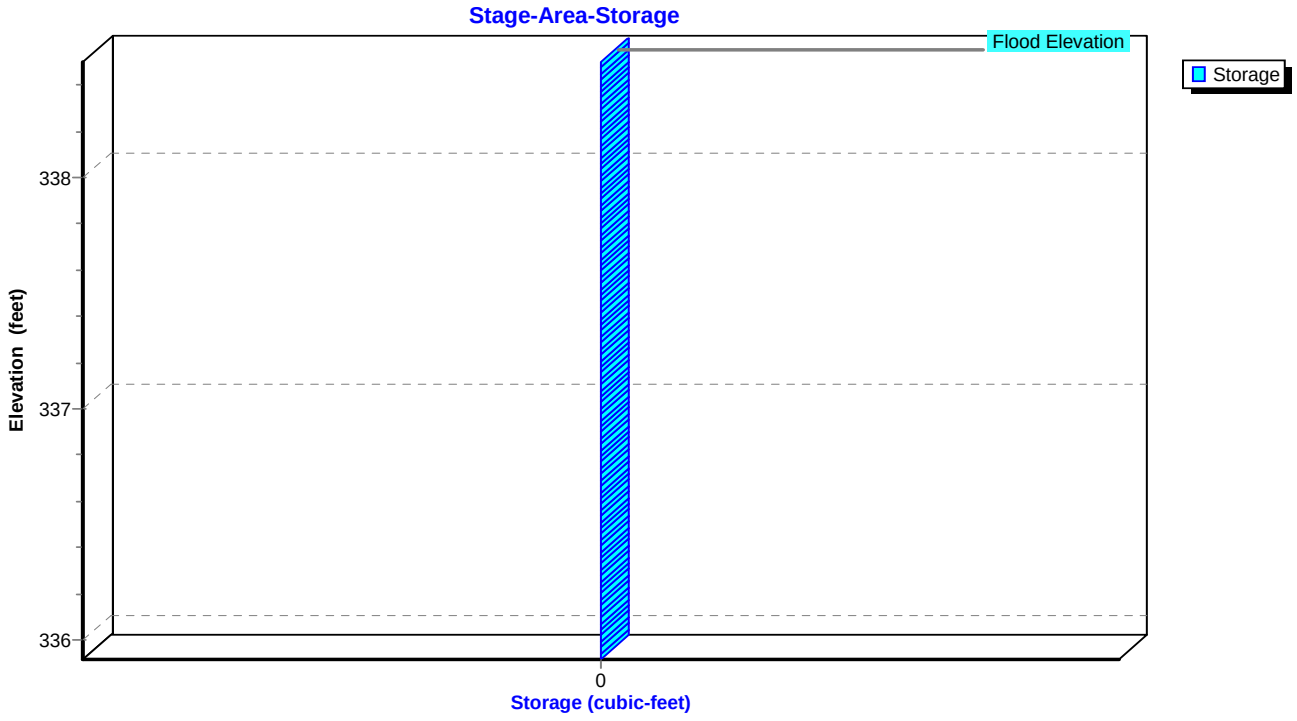
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.01	335.96	0.01
8.00	0.02	335.98	0.02
8.50	0.03	336.00	0.03
9.00	0.06	336.03	0.06
9.50	0.08	336.05	0.08
10.00	0.12	336.08	0.12
10.50	0.17	336.11	0.17
11.00	0.25	336.15	0.25
11.50	0.42	336.22	0.42
12.00	**2.08**	**336.63**	**2.08**
12.50	**2.07**	**336.63**	**2.07**
13.00	0.64	336.29	0.64
13.50	0.46	336.23	0.46
14.00	0.38	336.20	0.38
14.50	0.32	336.18	0.32
15.00	0.29	336.16	0.29
15.50	0.25	336.15	0.25
16.00	0.20	336.13	0.20
16.50	0.18	336.11	0.18
17.00	0.16	336.10	0.16
17.50	0.14	336.09	0.14
18.00	0.12	336.08	0.12
18.50	0.11	336.07	0.11
19.00	0.11	336.07	0.11
19.50	0.10	336.07	0.10
20.00	0.10	336.06	0.10
20.50	0.09	336.06	0.09
21.00	0.09	336.05	0.09
21.50	0.08	336.05	0.08
22.00	0.08	336.05	0.08
22.50	0.08	336.05	0.08
23.00	0.07	336.04	0.07
23.50	0.07	336.04	0.07
24.00	0.06	336.03	0.06

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

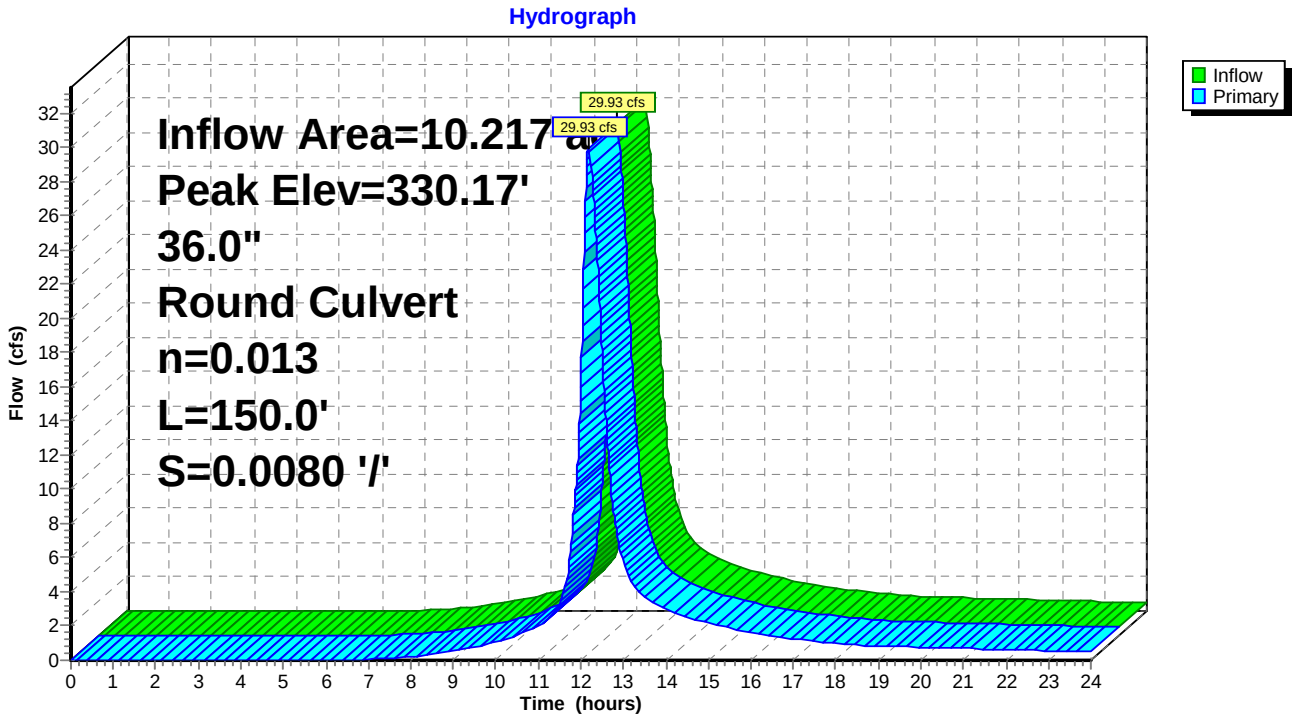
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af
Outflow = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af, Atten= 0%, Lag= 0.0 min
Primary = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.17' @ 12.19 hrs
Flood Elev= 335.75'

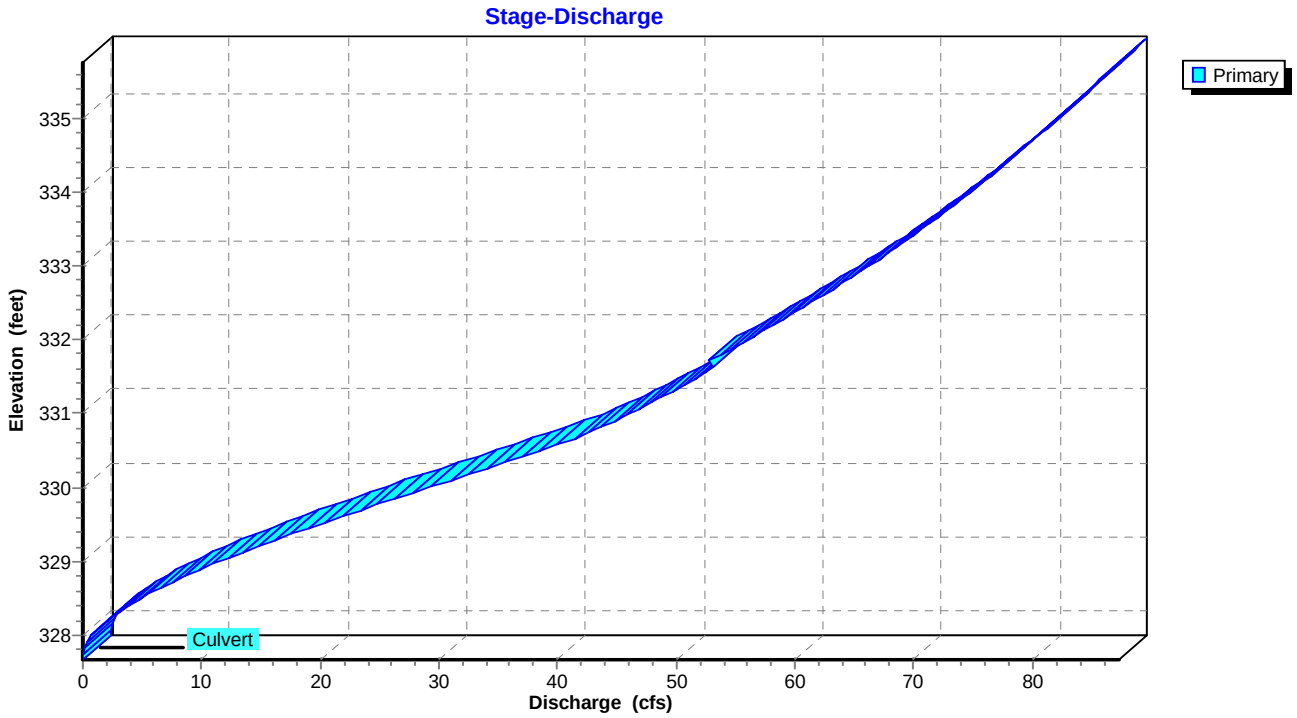
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.90 cfs @ 12.18 hrs HW=330.17' TW=328.62' (Dynamic Tailwater)
1=Culvert (Outlet Controls 29.90 cfs @ 6.43 fps)

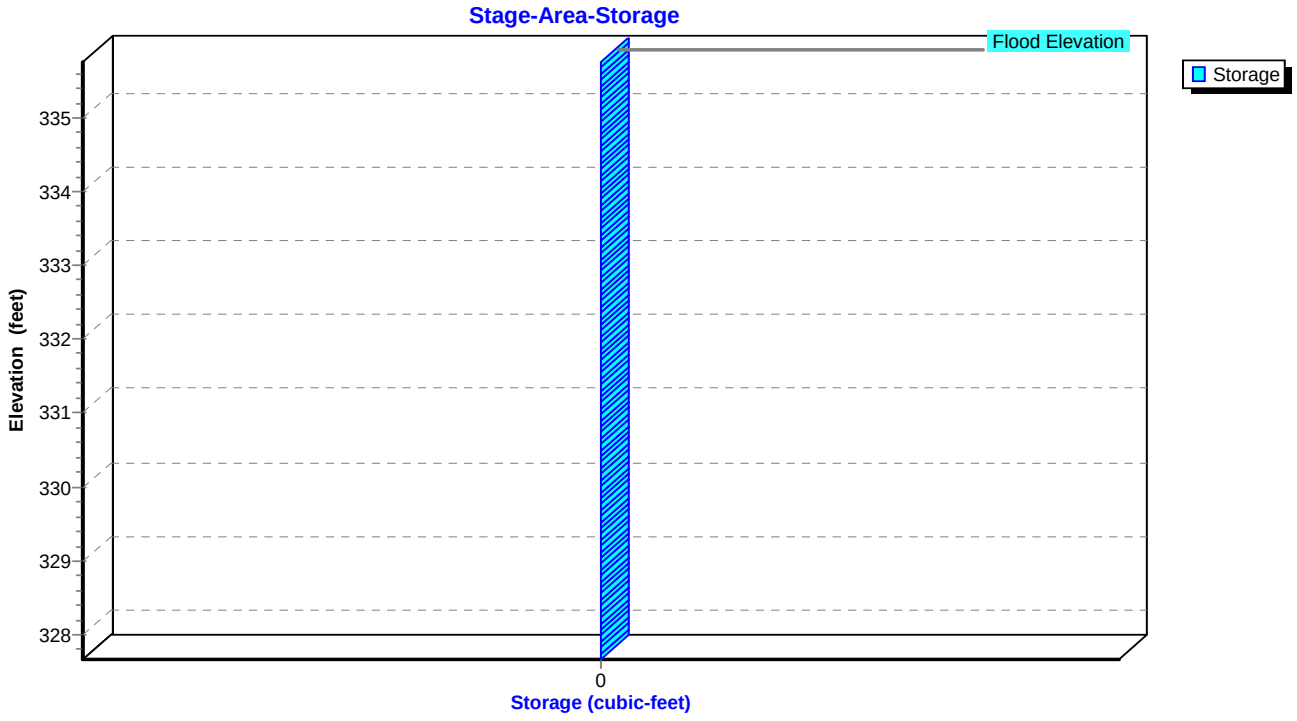
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.69	0.00
6.50	0.01	327.72	0.01
7.00	0.05	327.76	0.05
7.50	0.12	327.81	0.12
8.00	0.21	327.85	0.21
8.50	0.34	327.89	0.34
9.00	0.53	327.94	0.53
9.50	0.77	327.99	0.77
10.00	1.05	328.05	1.05
10.50	1.45	328.12	1.45
11.00	2.03	328.20	2.03
11.50	3.32	328.35	3.32
12.00	**15.98**	**329.34**	**15.98**
12.50	**18.13**	**329.46**	**18.13**
13.00	5.68	328.58	5.68
13.50	3.67	328.38	3.67
14.00	2.99	328.31	2.99
14.50	2.53	328.26	2.53
15.00	2.22	328.22	2.22
15.50	1.91	328.18	1.91
16.00	1.60	328.14	1.60
16.50	1.38	328.10	1.38
17.00	1.24	328.08	1.24
17.50	1.10	328.06	1.10
18.00	0.96	328.03	0.96
18.50	0.87	328.02	0.87
19.00	0.83	328.01	0.83
19.50	0.79	328.00	0.79
20.00	0.75	327.99	0.75
20.50	0.71	327.98	0.71
21.00	0.68	327.98	0.68
21.50	0.65	327.97	0.65
22.00	0.62	327.96	0.62
22.50	0.59	327.96	0.59
23.00	0.56	327.95	0.56
23.50	0.53	327.94	0.53
24.00	0.50	327.93	0.50

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

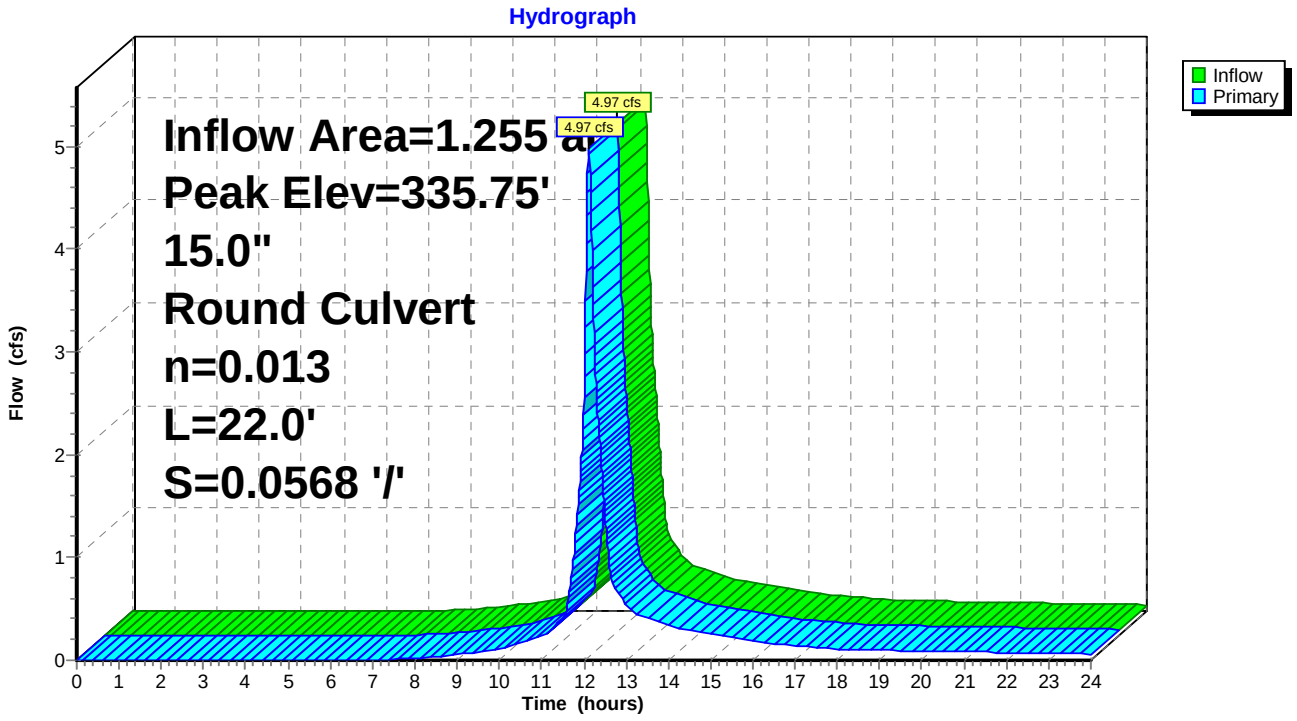
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af
Outflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.75' @ 12.12 hrs
Flood Elev= 337.00'

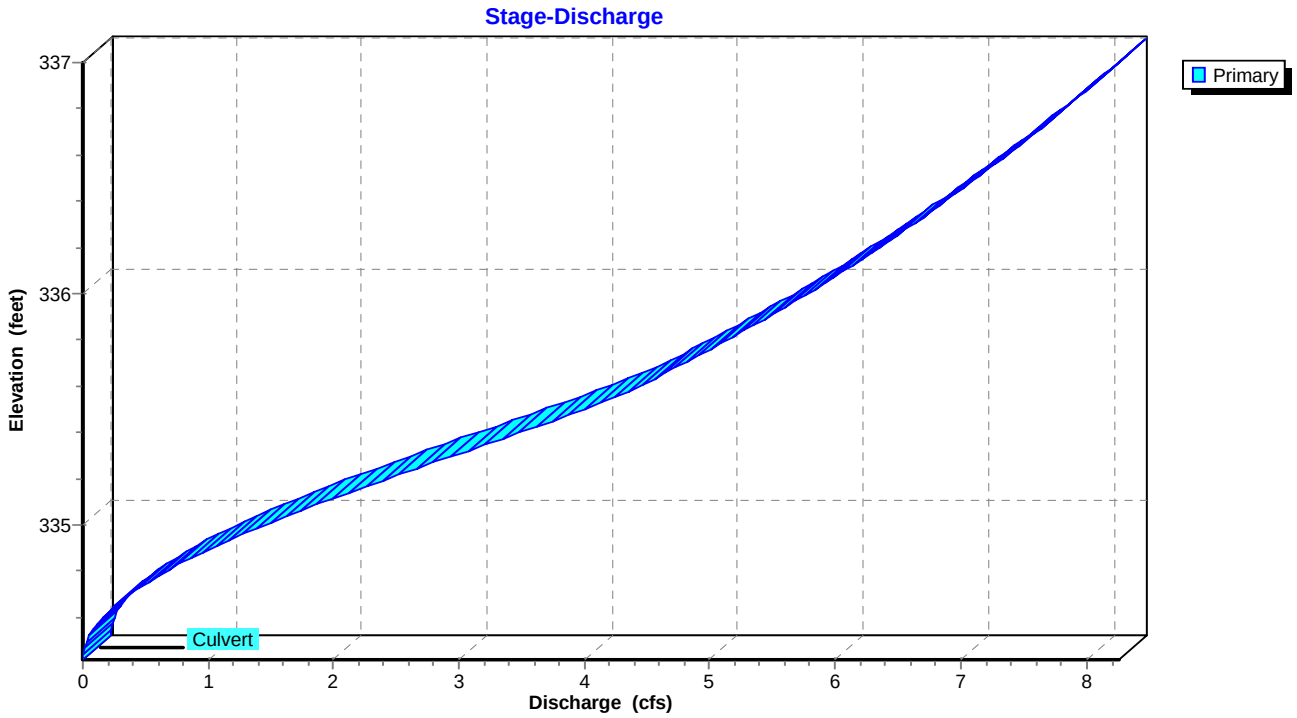
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.97 cfs @ 12.12 hrs HW=335.75' TW=330.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.97 cfs @ 4.05 fps)

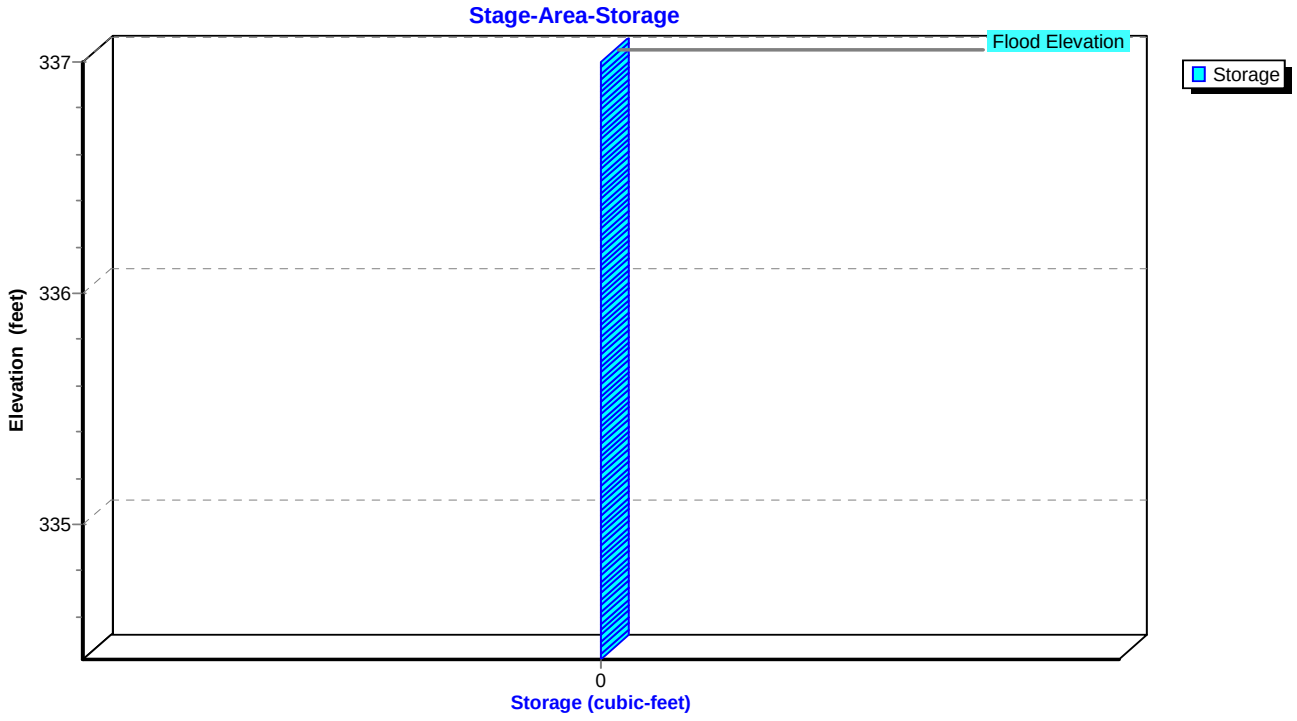
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.01	334.46	0.01
8.00	0.02	334.48	0.02
8.50	0.03	334.50	0.03
9.00	0.05	334.53	0.05
9.50	0.08	334.55	0.08
10.00	0.12	334.57	0.12
10.50	0.17	334.61	0.17
11.00	0.24	334.64	0.24
11.50	0.42	334.72	0.42
12.00	**2.56**	**335.23**	**2.56**
12.50	**1.44**	**335.00**	**1.44**
13.00	0.54	334.76	0.54
13.50	0.41	334.72	0.41
14.00	0.34	334.69	0.34
14.50	0.29	334.67	0.29
15.00	0.26	334.65	0.26
15.50	0.22	334.63	0.22
16.00	0.18	334.61	0.18
16.50	0.16	334.60	0.16
17.00	0.14	334.59	0.14
17.50	0.13	334.58	0.13
18.00	0.11	334.57	0.11
18.50	0.10	334.57	0.10
19.00	0.10	334.56	0.10
19.50	0.09	334.56	0.09
20.00	0.09	334.55	0.09
20.50	0.08	334.55	0.08
21.00	0.08	334.55	0.08
21.50	0.08	334.55	0.08
22.00	0.07	334.54	0.07
22.50	0.07	334.54	0.07
23.00	0.07	334.54	0.07
23.50	0.06	334.53	0.06
24.00	0.06	334.53	0.06

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

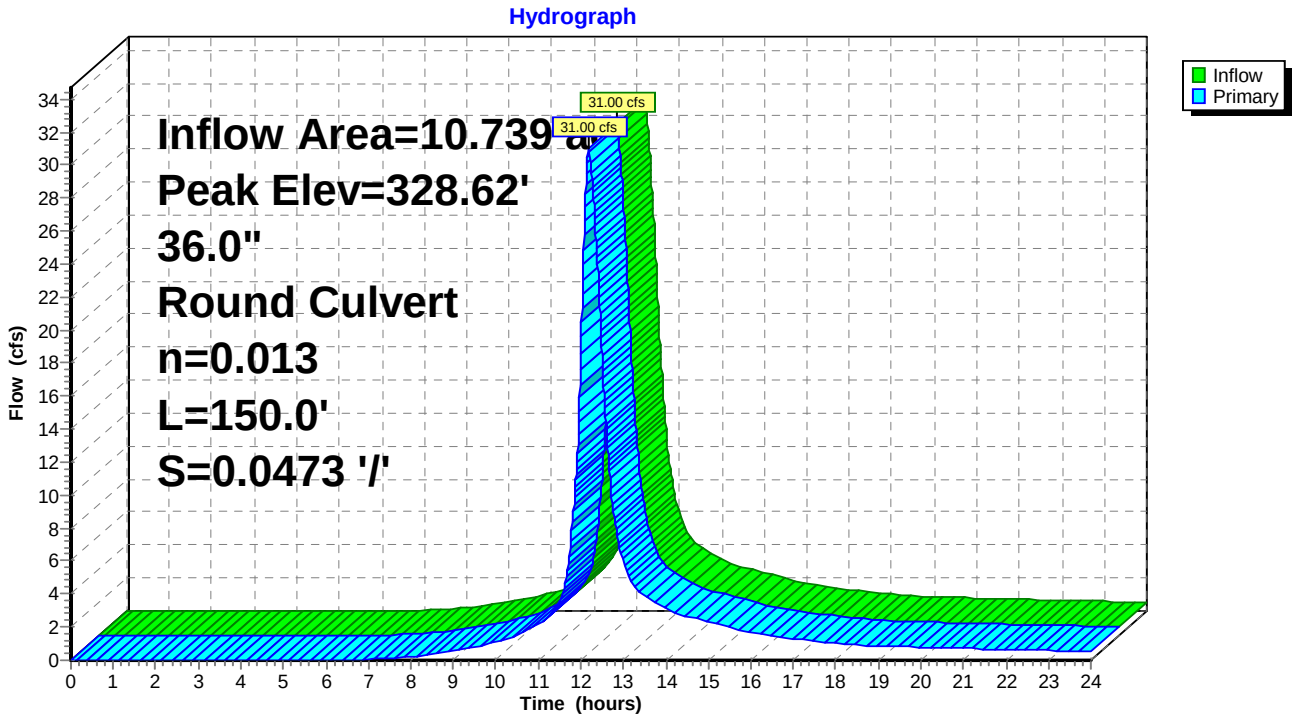
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af
Outflow = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af, Atten= 0%, Lag= 0.0 min
Primary = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.62' @ 12.18 hrs
Flood Elev= 332.25'

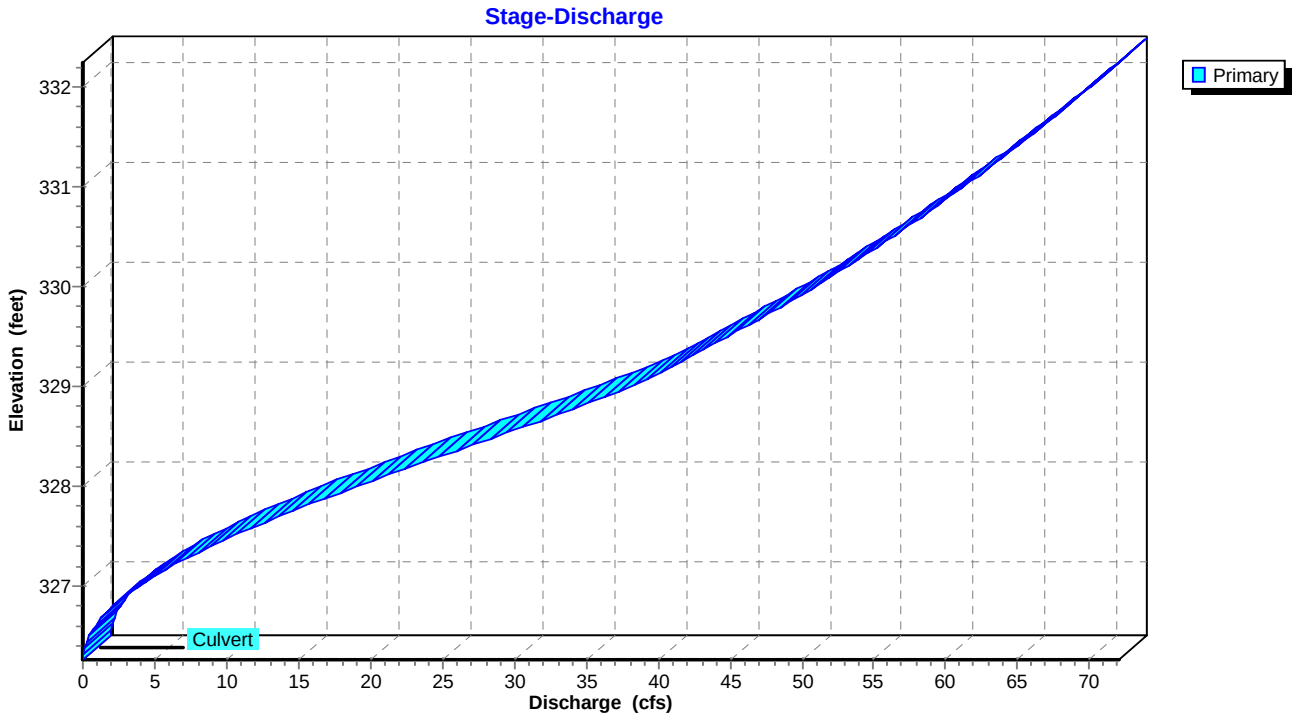
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=31.00 cfs @ 12.18 hrs HW=328.62' TW=321.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 31.00 cfs @ 5.22 fps)

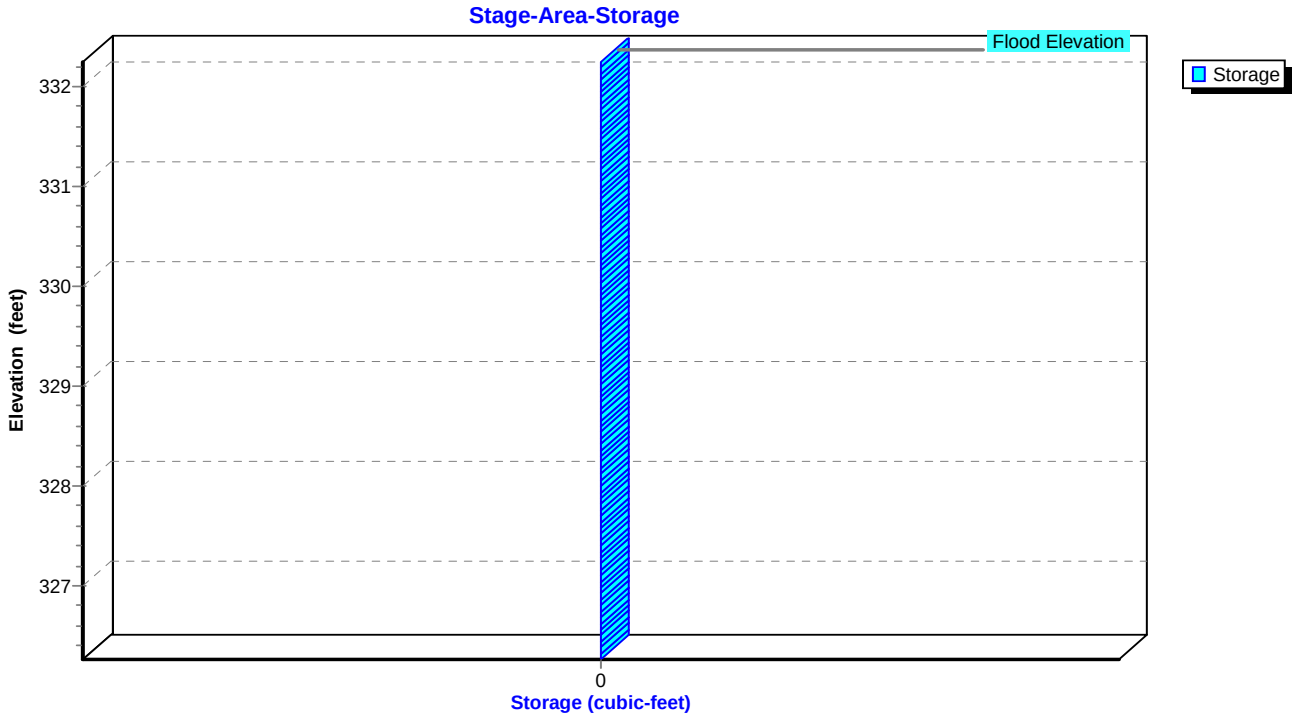
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.29	0.00
6.50	0.01	326.31	0.01
7.00	0.06	326.35	0.06
7.50	0.13	326.40	0.13
8.00	0.23	326.44	0.23
8.50	0.36	326.49	0.36
9.00	0.56	326.54	0.56
9.50	0.81	326.60	0.81
10.00	1.11	326.65	1.11
10.50	1.54	326.72	1.54
11.00	2.14	326.81	2.14
11.50	3.53	326.97	3.53
12.00	**18.57**	**327.98**	**18.57**
12.50	**18.49**	**327.98**	**18.49**
13.00	5.89	327.18	5.89
13.50	3.84	327.00	3.84
14.00	3.13	326.92	3.13
14.50	2.65	326.87	2.65
15.00	2.32	326.83	2.32
15.50	2.00	326.79	2.00
16.00	1.67	326.74	1.67
16.50	1.44	326.71	1.44
17.00	1.30	326.68	1.30
17.50	1.15	326.66	1.15
18.00	1.01	326.63	1.01
18.50	0.92	326.62	0.92
19.00	0.87	326.61	0.87
19.50	0.83	326.60	0.83
20.00	0.79	326.59	0.79
20.50	0.75	326.58	0.75
21.00	0.72	326.58	0.72
21.50	0.68	326.57	0.68
22.00	0.65	326.56	0.65
22.50	0.62	326.55	0.62
23.00	0.59	326.55	0.59
23.50	0.55	326.54	0.55
24.00	0.52	326.53	0.52

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

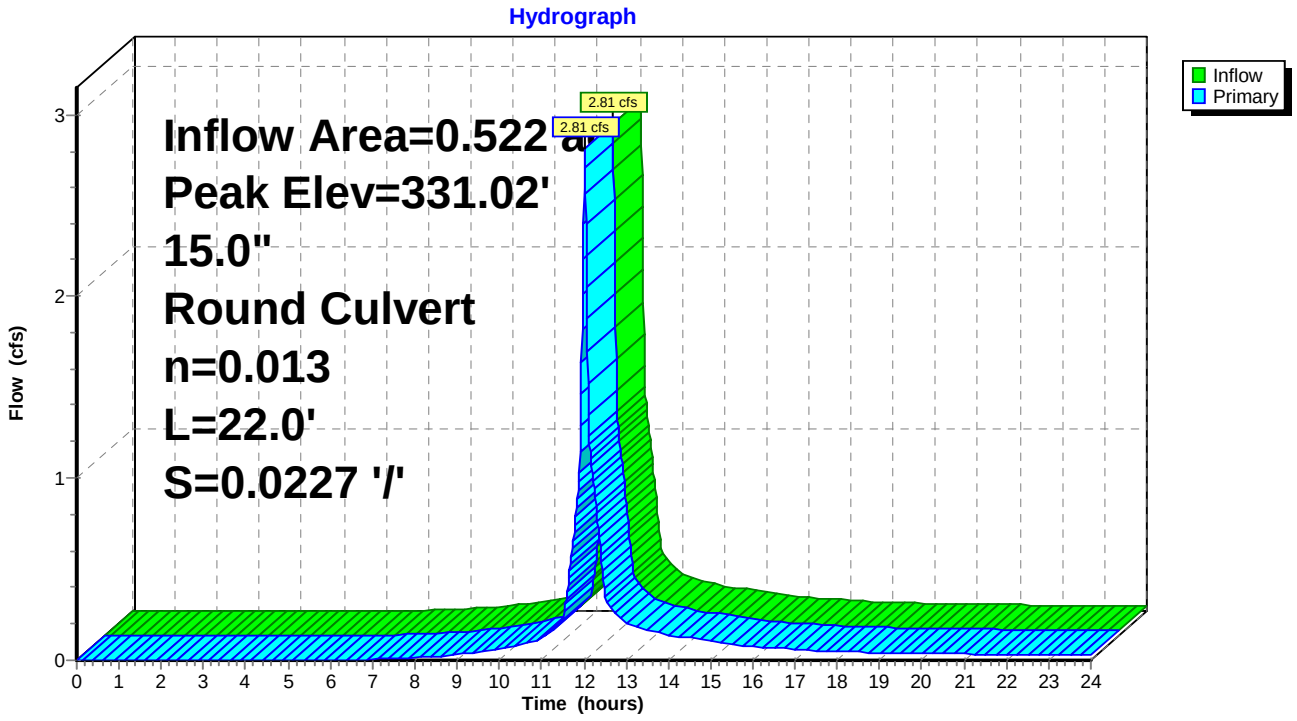
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af
Outflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af, Atten= 0%, Lag= 0.0 min
Primary = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.02' @ 12.02 hrs
Flood Elev= 332.80'

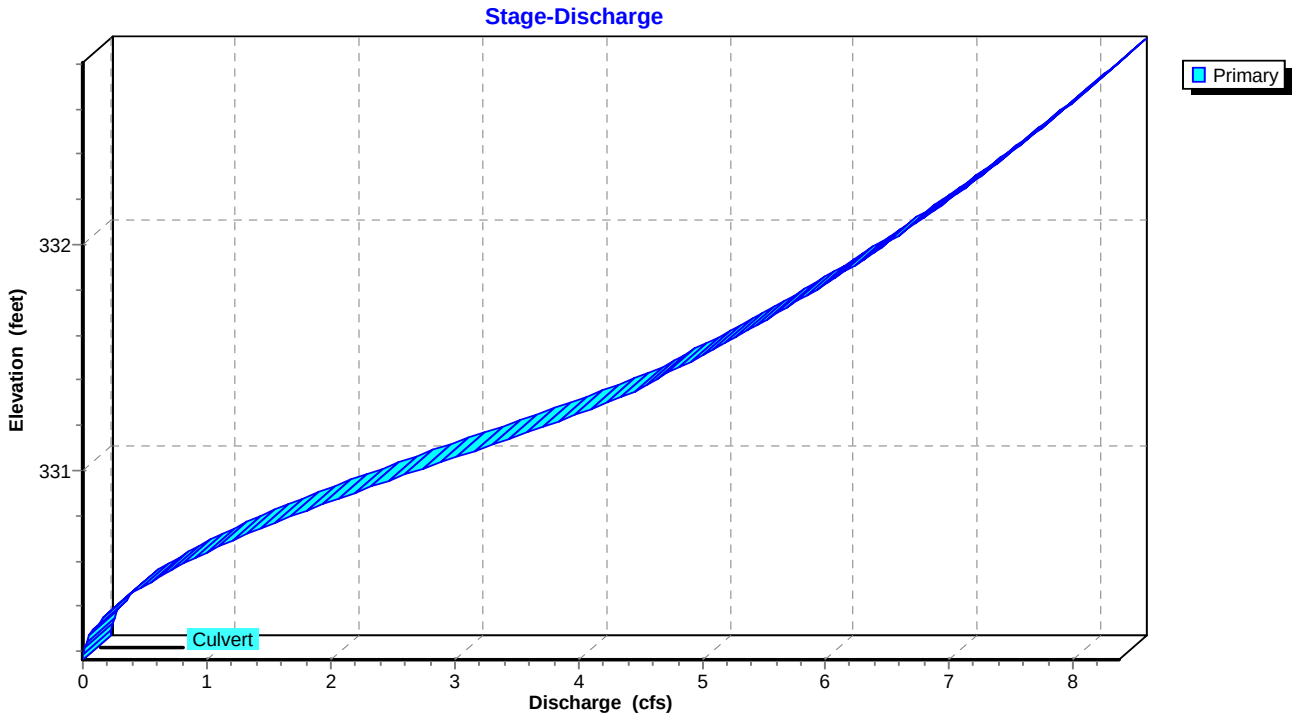
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.80 cfs @ 12.02 hrs HW=331.02' TW=328.07' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.80 cfs @ 3.14 fps)

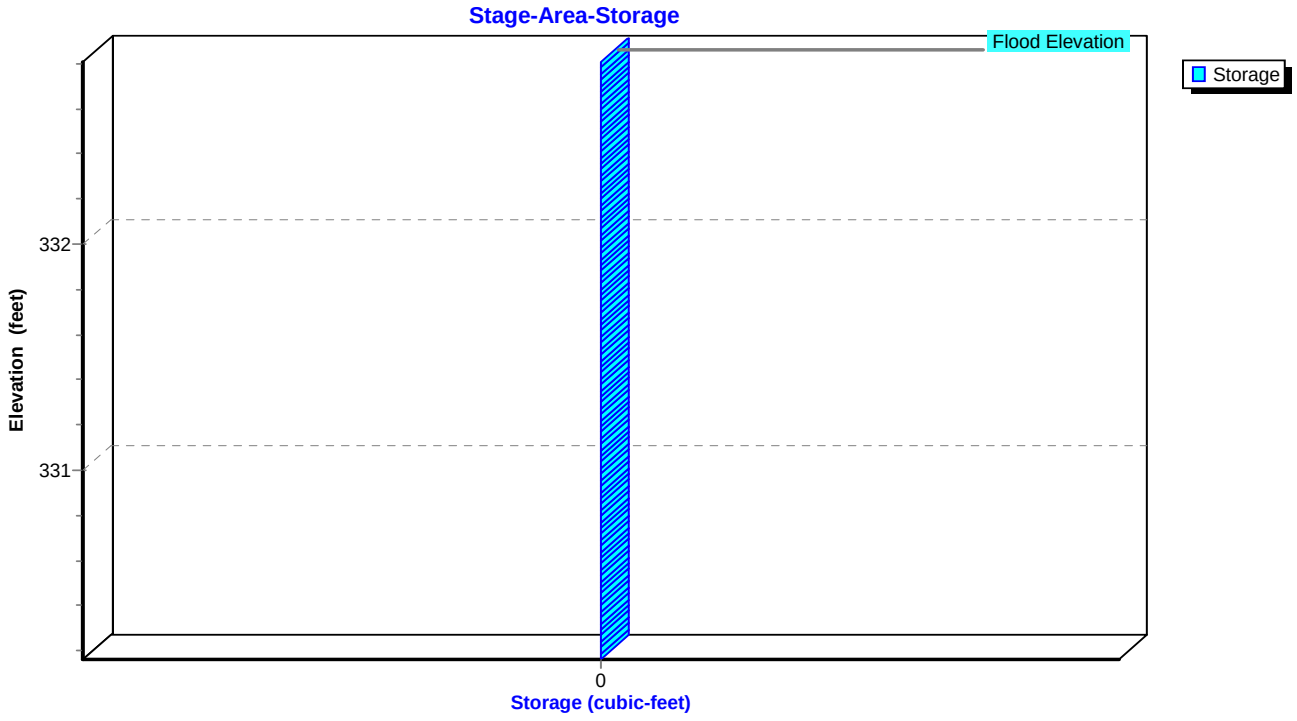
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.18	0.00
7.00	0.00	330.20	0.00
7.50	0.01	330.21	0.01
8.00	0.01	330.22	0.01
8.50	0.02	330.24	0.02
9.00	0.03	330.25	0.03
9.50	0.05	330.27	0.05
10.00	0.06	330.28	0.06
10.50	0.09	330.30	0.09
11.00	0.12	330.33	0.12
11.50	0.22	330.38	0.22
12.00	**2.59**	**330.98**	**2.59**
12.50	**0.36**	**330.45**	**0.36**
13.00	0.20	330.38	0.20
13.50	0.17	330.36	0.17
14.00	0.14	330.34	0.14
14.50	0.12	330.33	0.12
15.00	0.11	330.32	0.11
15.50	0.09	330.31	0.09
16.00	0.07	330.29	0.07
16.50	0.07	330.29	0.07
17.00	0.06	330.28	0.06
17.50	0.05	330.27	0.05
18.00	0.05	330.27	0.05
18.50	0.04	330.26	0.04
19.00	0.04	330.26	0.04
19.50	0.04	330.26	0.04
20.00	0.04	330.26	0.04
20.50	0.04	330.25	0.04
21.00	0.03	330.25	0.03
21.50	0.03	330.25	0.03
22.00	0.03	330.25	0.03
22.50	0.03	330.25	0.03
23.00	0.03	330.24	0.03
23.50	0.03	330.24	0.03
24.00	0.02	330.24	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

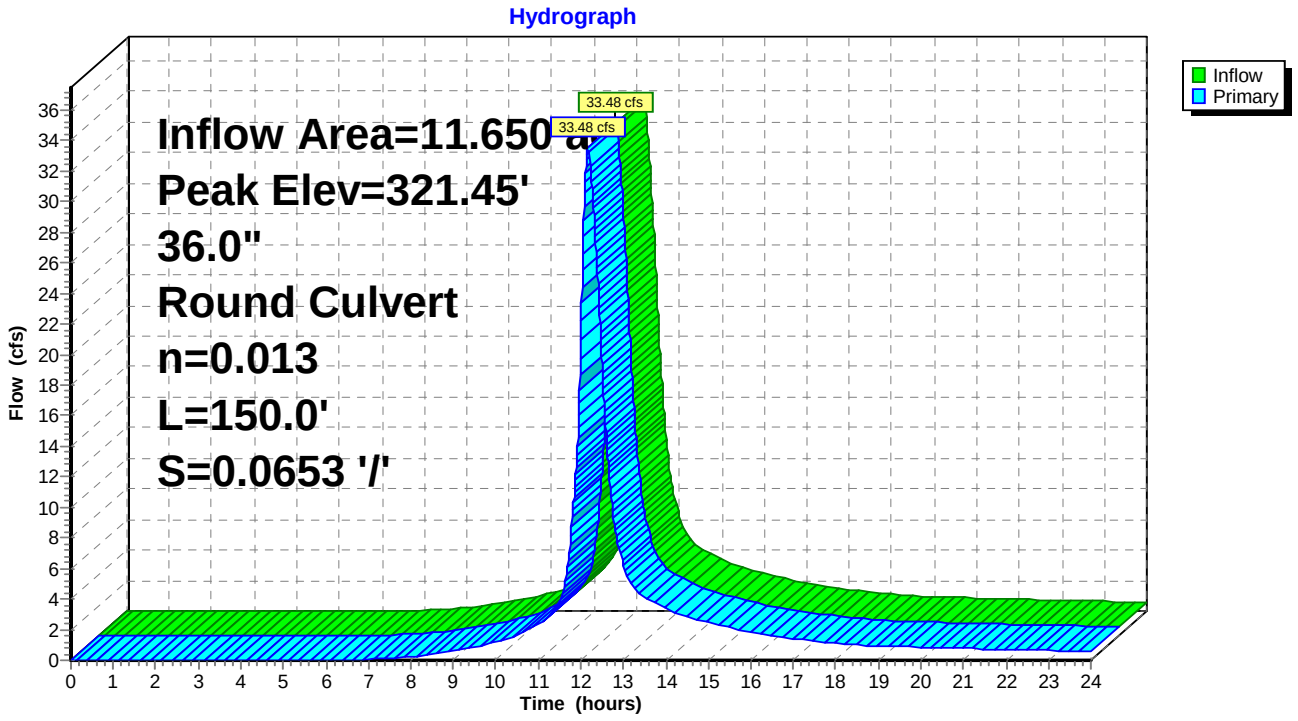
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 3.86" for 25-Year event
Inflow = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af
Outflow = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af, Atten= 0%, Lag= 0.0 min
Primary = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.45' @ 12.16 hrs
Flood Elev= 338.50'

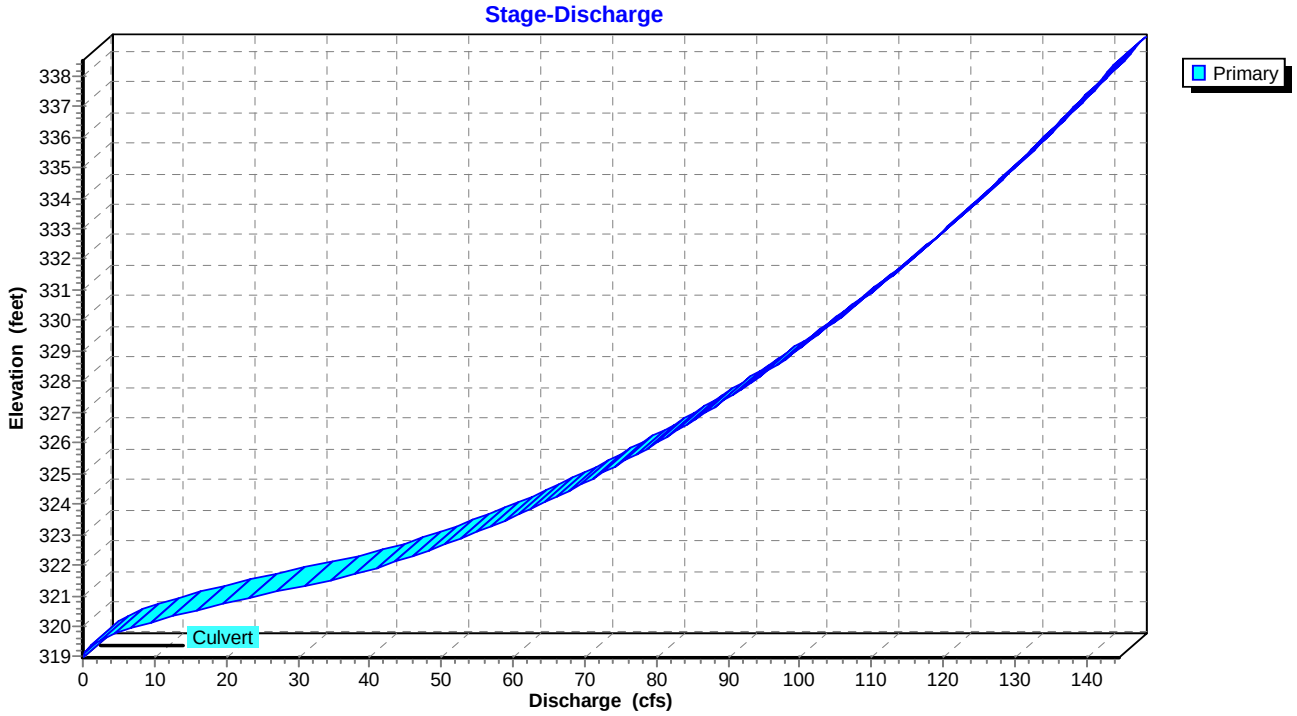
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=33.46 cfs @ 12.16 hrs HW=321.45' TW=311.52' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 33.46 cfs @ 5.36 fps)

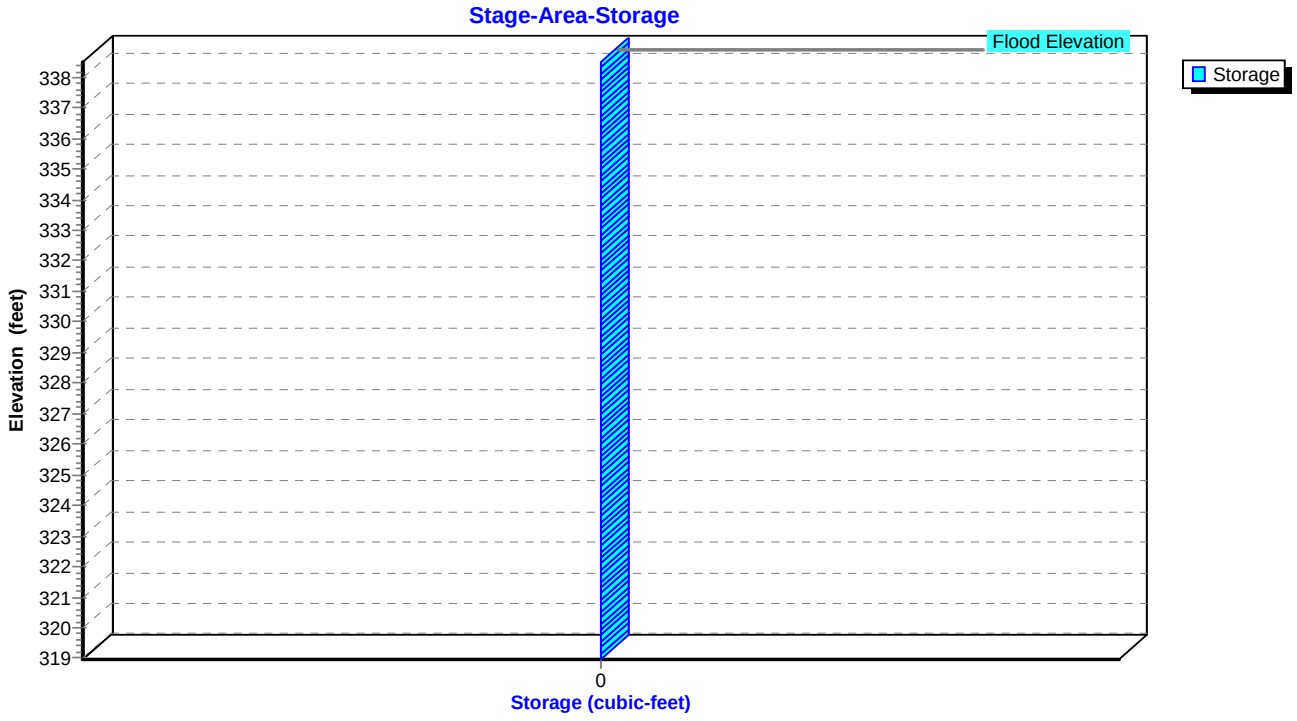
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.99	0.00
6.50	0.01	319.01	0.01
7.00	0.06	319.05	0.06
7.50	0.13	319.10	0.13
8.00	0.24	319.15	0.24
8.50	0.38	319.19	0.38
9.00	0.60	319.25	0.60
9.50	0.87	319.31	0.87
10.00	1.18	319.37	1.18
10.50	1.66	319.44	1.66
11.00	2.31	319.53	2.31
11.50	3.84	319.70	3.84
12.00	**20.97**	**320.81**	**20.97**
12.50	**19.35**	**320.72**	**19.35**
13.00	6.25	319.91	6.25
13.50	4.13	319.73	4.13
14.00	3.36	319.65	3.36
14.50	2.85	319.59	2.85
15.00	2.50	319.55	2.50
15.50	2.15	319.51	2.15
16.00	1.80	319.46	1.80
16.50	1.56	319.43	1.56
17.00	1.40	319.40	1.40
17.50	1.24	319.38	1.24
18.00	1.09	319.35	1.09
18.50	0.99	319.33	0.99
19.00	0.94	319.32	0.94
19.50	0.90	319.31	0.90
20.00	0.85	319.30	0.85
20.50	0.81	319.30	0.81
21.00	0.77	319.29	0.77
21.50	0.74	319.28	0.74
22.00	0.70	319.27	0.70
22.50	0.67	319.27	0.67
23.00	0.63	319.26	0.63
23.50	0.60	319.25	0.60
24.00	0.56	319.24	0.56

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

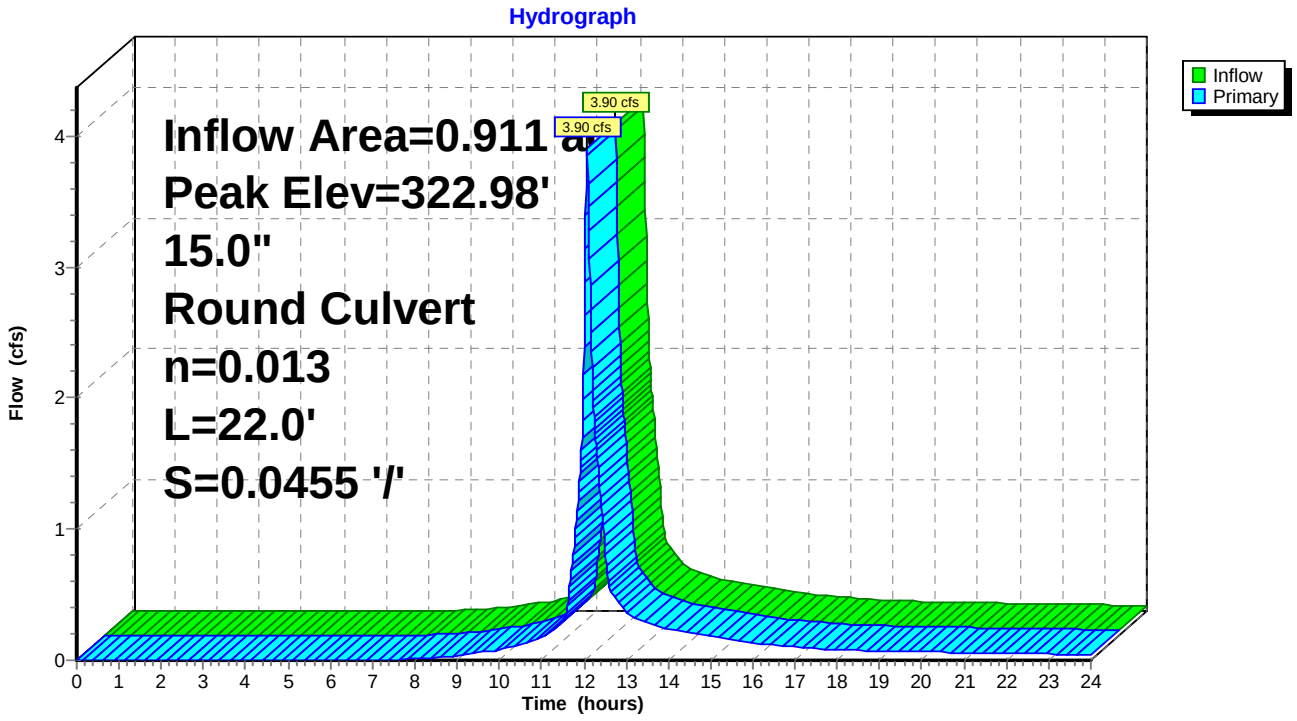
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 3.58" for 25-Year event
Inflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af
Outflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.98' @ 12.08 hrs
Flood Elev= 324.50'

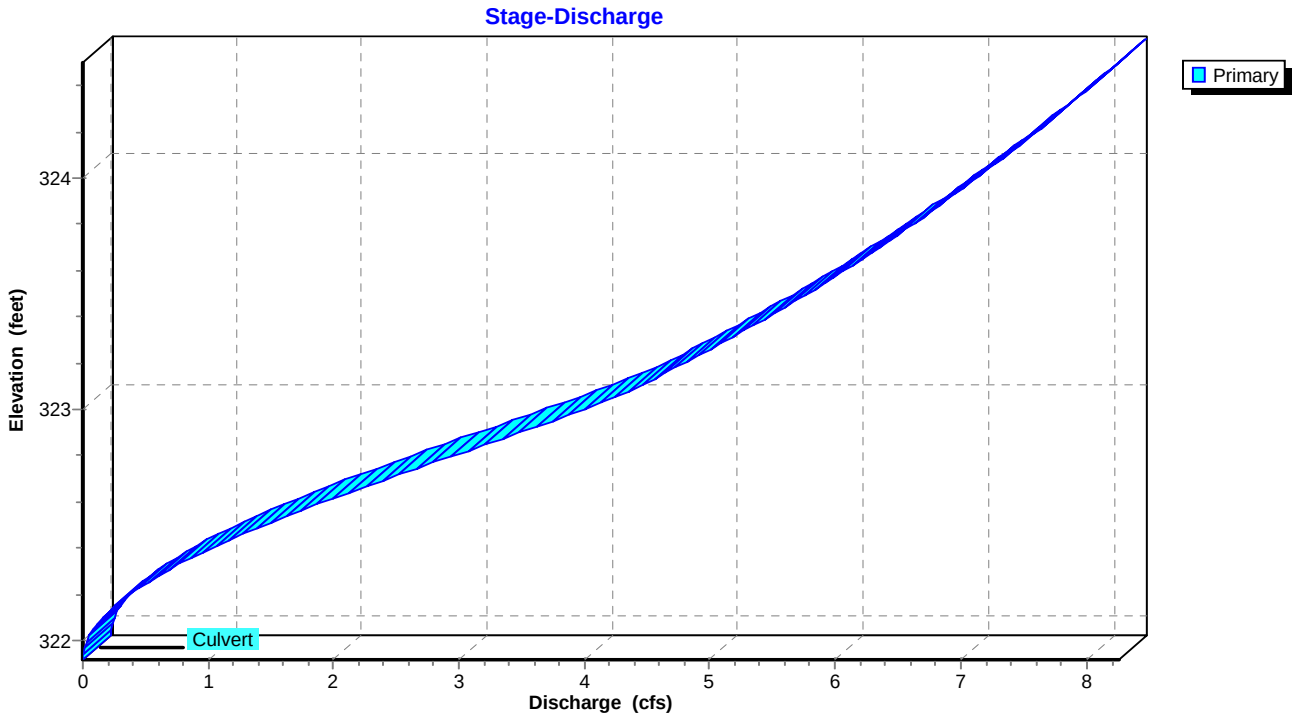
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.90 cfs @ 12.08 hrs HW=322.98' TW=321.25' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.90 cfs @ 3.51 fps)

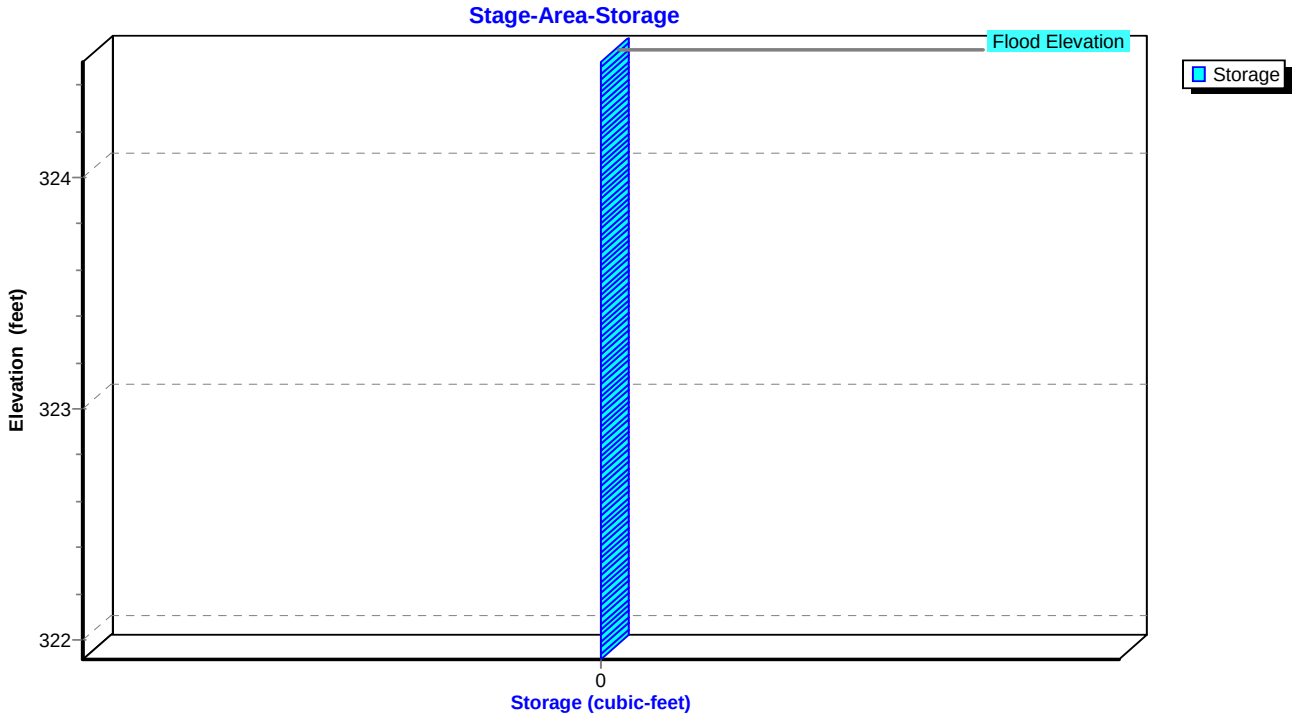
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.94	0.00
8.00	0.01	321.96	0.01
8.50	0.02	321.98	0.02
9.00	0.04	322.01	0.04
9.50	0.06	322.03	0.06
10.00	0.08	322.05	0.08
10.50	0.12	322.07	0.12
11.00	0.17	322.11	0.17
11.50	0.31	322.17	0.31
12.00	**2.39**	**322.69**	**2.39**
12.50	**0.85**	**322.36**	**0.85**
13.00	0.37	322.20	0.37
13.50	0.29	322.17	0.29
14.00	0.24	322.14	0.24
14.50	0.21	322.13	0.21
15.00	0.18	322.11	0.18
15.50	0.15	322.10	0.15
16.00	0.13	322.08	0.13
16.50	0.11	322.07	0.11
17.00	0.10	322.06	0.10
17.50	0.09	322.06	0.09
18.00	0.08	322.05	0.08
18.50	0.07	322.04	0.07
19.00	0.07	322.04	0.07
19.50	0.07	322.04	0.07
20.00	0.06	322.03	0.06
20.50	0.06	322.03	0.06
21.00	0.06	322.03	0.06
21.50	0.06	322.03	0.06
22.00	0.05	322.02	0.05
22.50	0.05	322.02	0.05
23.00	0.05	322.02	0.05
23.50	0.04	322.01	0.04
24.00	0.04	322.01	0.04

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

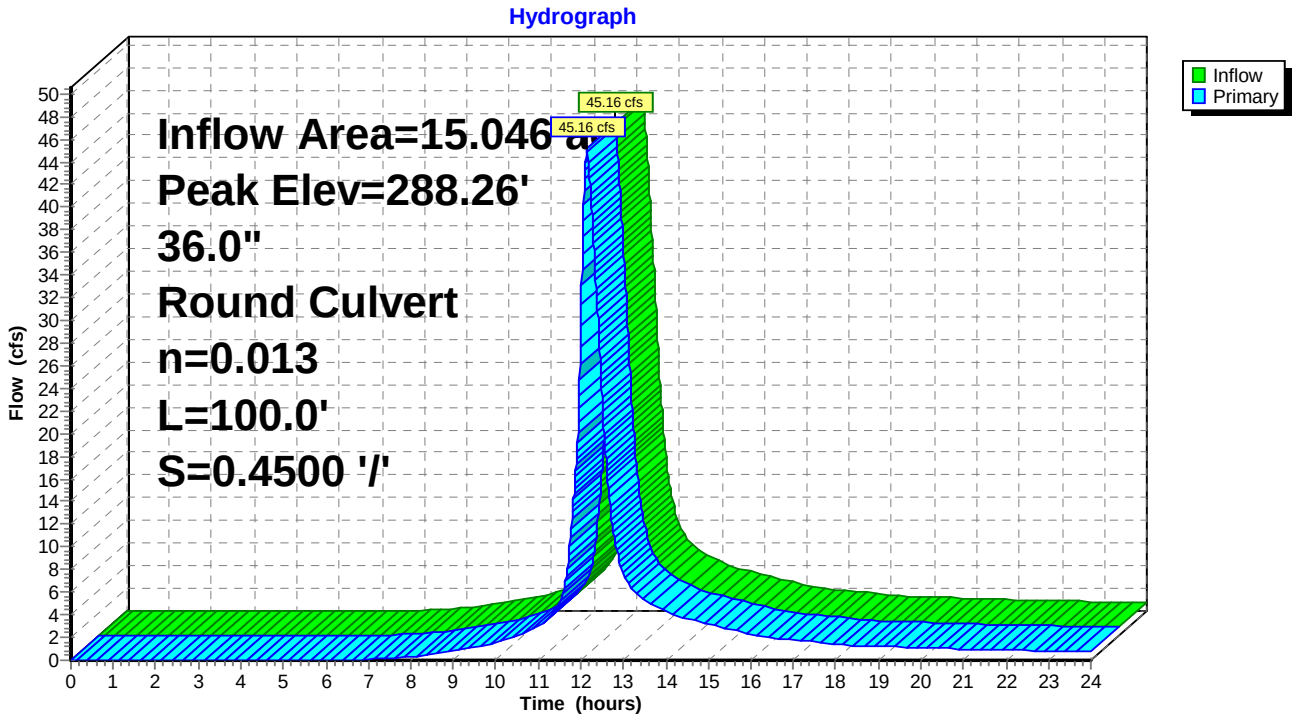
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 3.84" for 25-Year event
Inflow = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af
Outflow = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af, Atten= 0%, Lag= 0.0 min
Primary = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 288.26' @ 12.15 hrs
Flood Elev= 295.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

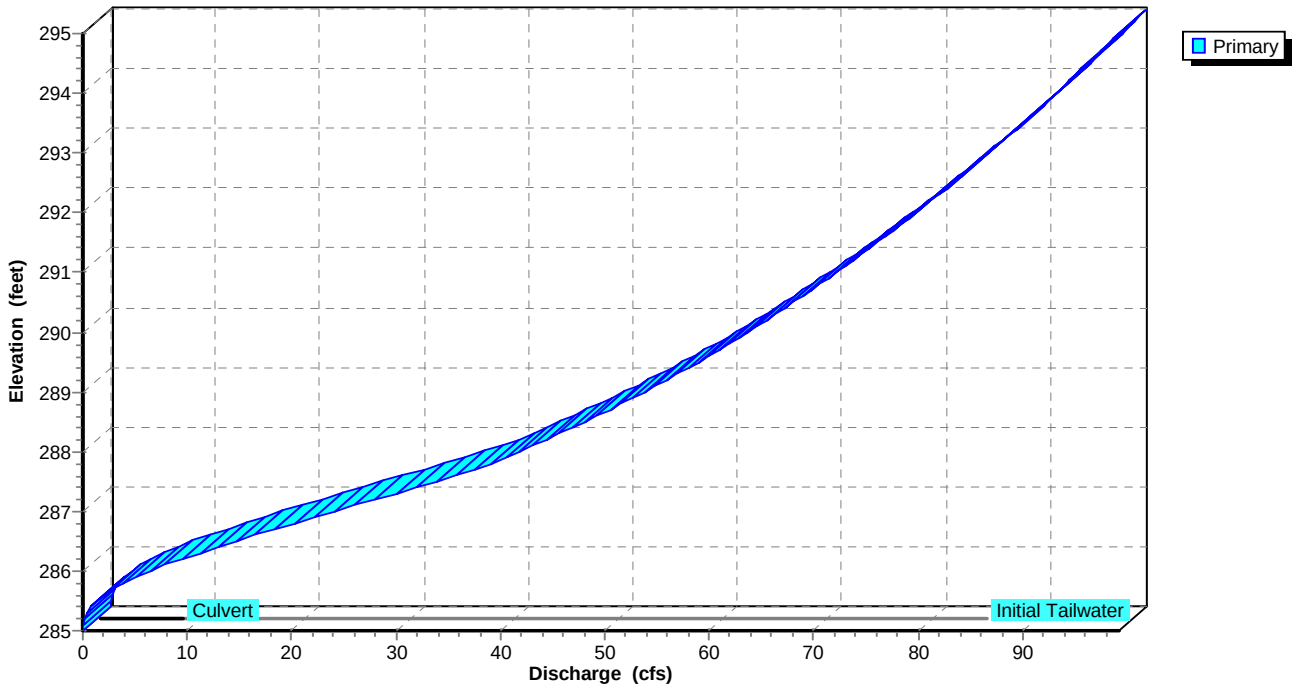
Primary OutFlow Max=45.14 cfs @ 12.15 hrs HW=288.26' TW=285.32' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 45.14 cfs @ 6.39 fps)

Pond MH1: (new Pond)



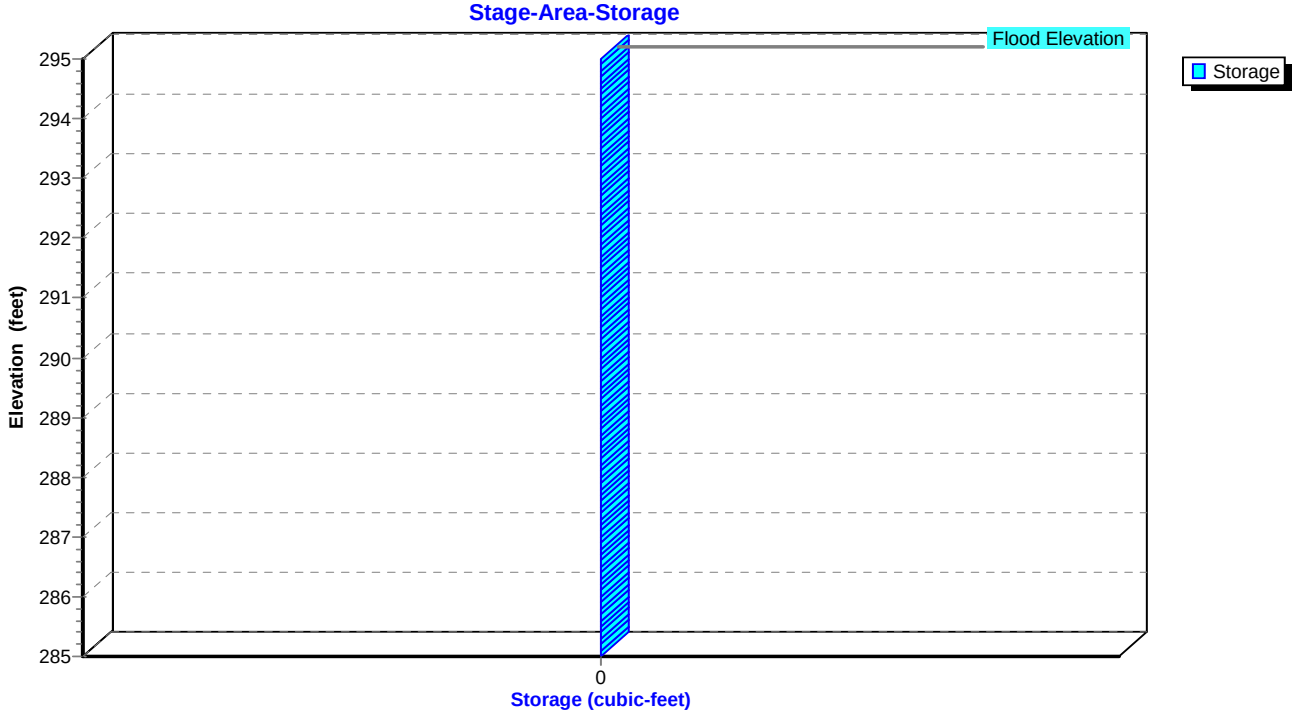
Pond MH1: (new Pond)

Stage-Discharge



Pond MH1: (new Pond)

Stage-Area-Storage



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.00	0.00
5.50	0.00	285.00	0.00
6.00	0.00	285.04	0.00
6.50	0.02	285.09	0.02
7.00	0.07	285.16	0.07
7.50	0.17	285.22	0.17
8.00	0.30	285.28	0.30
8.50	0.49	285.34	0.49
9.00	0.77	285.41	0.77
9.50	1.12	285.48	1.12
10.00	1.53	285.54	1.53
10.50	2.15	285.63	2.15
11.00	2.99	285.73	2.99
11.50	5.05	285.92	5.05
12.00	**29.47**	**287.27**	**29.47**
12.50	**23.22**	**286.96**	**23.22**
13.00	7.72	286.11	7.72
13.50	5.26	285.93	5.26
14.00	4.29	285.85	4.29
14.50	3.65	285.79	3.65
15.00	3.20	285.75	3.20
15.50	2.75	285.70	2.75
16.00	2.30	285.65	2.30
16.50	1.99	285.61	1.99
17.00	1.79	285.58	1.79
17.50	1.59	285.55	1.59
18.00	1.39	285.52	1.39
18.50	1.27	285.50	1.27
19.00	1.21	285.49	1.21
19.50	1.15	285.48	1.15
20.00	1.09	285.47	1.09
20.50	1.04	285.46	1.04
21.00	1.00	285.45	1.00
21.50	0.95	285.44	0.95
22.00	0.90	285.44	0.90
22.50	0.86	285.43	0.86
23.00	0.81	285.42	0.81
23.50	0.77	285.41	0.77
24.00	0.72	285.40	0.72

Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.62' Inflow=7.38 cfs 0.878 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=7.38 cfs 0.878 af

Pond CB10: Catchbasin Peak Elev=312.06' Inflow=42.98 cfs 4.896 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=42.98 cfs 4.896 af

Pond CB10-1: CB1-1 Peak Elev=313.05' Inflow=4.23 cfs 0.258 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.23 cfs 0.258 af

Pond CB11: Catchbasin Peak Elev=302.31' Inflow=45.92 cfs 5.142 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=45.92 cfs 5.142 af

Pond CB11-1: CB1-1 Peak Elev=303.06' Inflow=2.99 cfs 0.246 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.99 cfs 0.246 af

Pond CB12: Catchbasin Peak Elev=300.49' Inflow=52.11 cfs 5.650 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=52.11 cfs 5.650 af

Pond CB12-1: CB1-1 Peak Elev=301.57' Inflow=6.64 cfs 0.508 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.64 cfs 0.508 af

Pond CB13: Catchbasin Peak Elev=298.15' Inflow=55.77 cfs 5.964 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=55.77 cfs 5.964 af

Pond CB13-1: CB1-1 Peak Elev=298.54' Inflow=3.67 cfs 0.315 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.67 cfs 0.315 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.63' Inflow=15.75 cfs 1.790 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=15.75 cfs 1.790 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=344.10' Inflow=19.30 cfs 2.183 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=19.30 cfs 2.183 af

Pond CB4: Catchbasin Peak Elev=334.19' Inflow=25.80 cfs 2.973 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=25.80 cfs 2.973 af

Pond CB4-1: CB1-1 Peak Elev=338.91' Inflow=25.80 cfs 2.973 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=25.80 cfs 2.973 af

Pond CB5: Catchbasin Peak Elev=333.04' Inflow=26.47 cfs 3.089 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=26.47 cfs 3.089 af

Pond CB5-1: CB1-1 Peak Elev=334.60' Inflow=1.94 cfs 0.116 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.94 cfs 0.116 af

Pond CB6: Catchbasin Peak Elev=331.91' Inflow=32.05 cfs 3.611 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=32.05 cfs 3.611 af

Pond CB6-1: CB1-1 Peak Elev=337.50' Inflow=5.78 cfs 0.522 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=5.78 cfs 0.522 af

Pond CB7: Catchbasin Peak Elev=330.61' Inflow=36.89 cfs 4.090 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=36.89 cfs 4.090 af

Pond CB7-1: CB1-1 Peak Elev=336.14' Inflow=6.17 cfs 0.479 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.17 cfs 0.479 af

Pond CB8: Catchbasin Peak Elev=329.01' Inflow=38.20 cfs 4.299 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=38.20 cfs 4.299 af

Pond CB8-1: CB1-1 Peak Elev=331.15' Inflow=3.46 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.46 cfs 0.209 af

Pond CB9: Catchbasin Peak Elev=321.93' Inflow=41.30 cfs 4.638 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=41.30 cfs 4.638 af

Pond CB9-1: CB1-1 Peak Elev=323.22' Inflow=4.86 cfs 0.339 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.86 cfs 0.339 af

Pond MH1: (new Pond) Peak Elev=289.18' Inflow=55.77 cfs 5.964 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=55.77 cfs 5.964 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

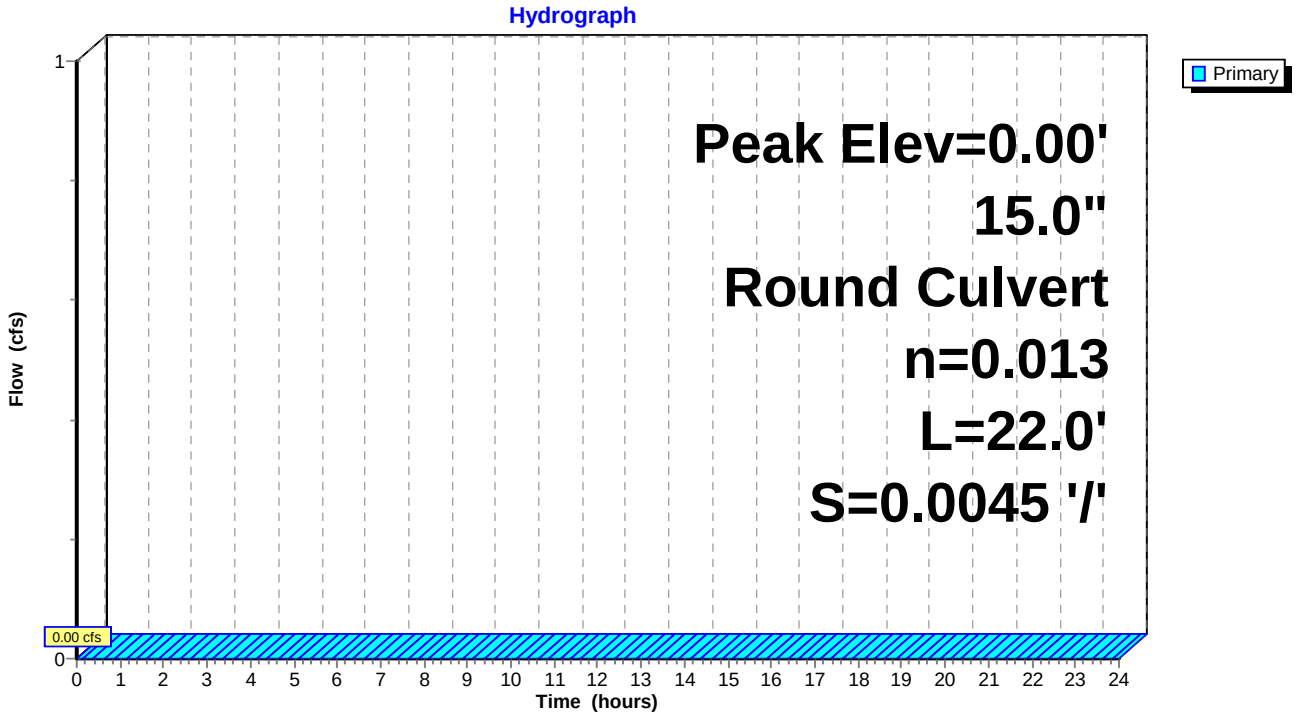
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

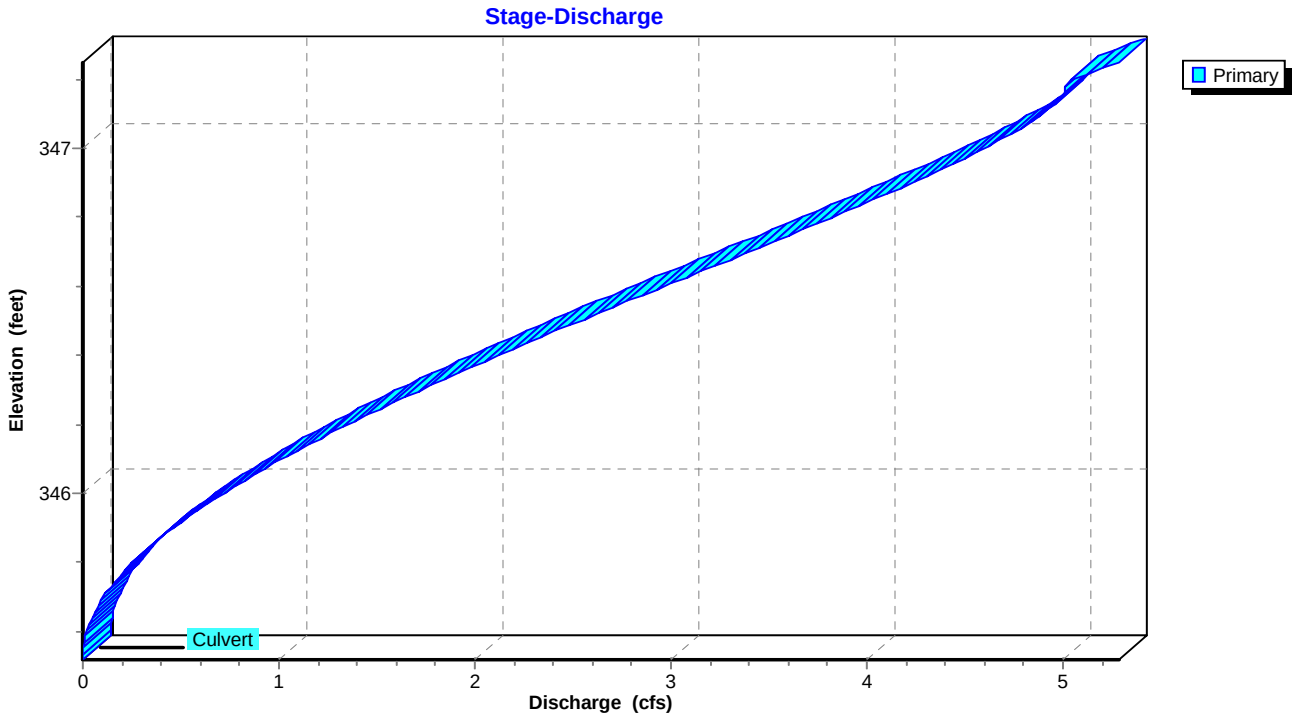
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

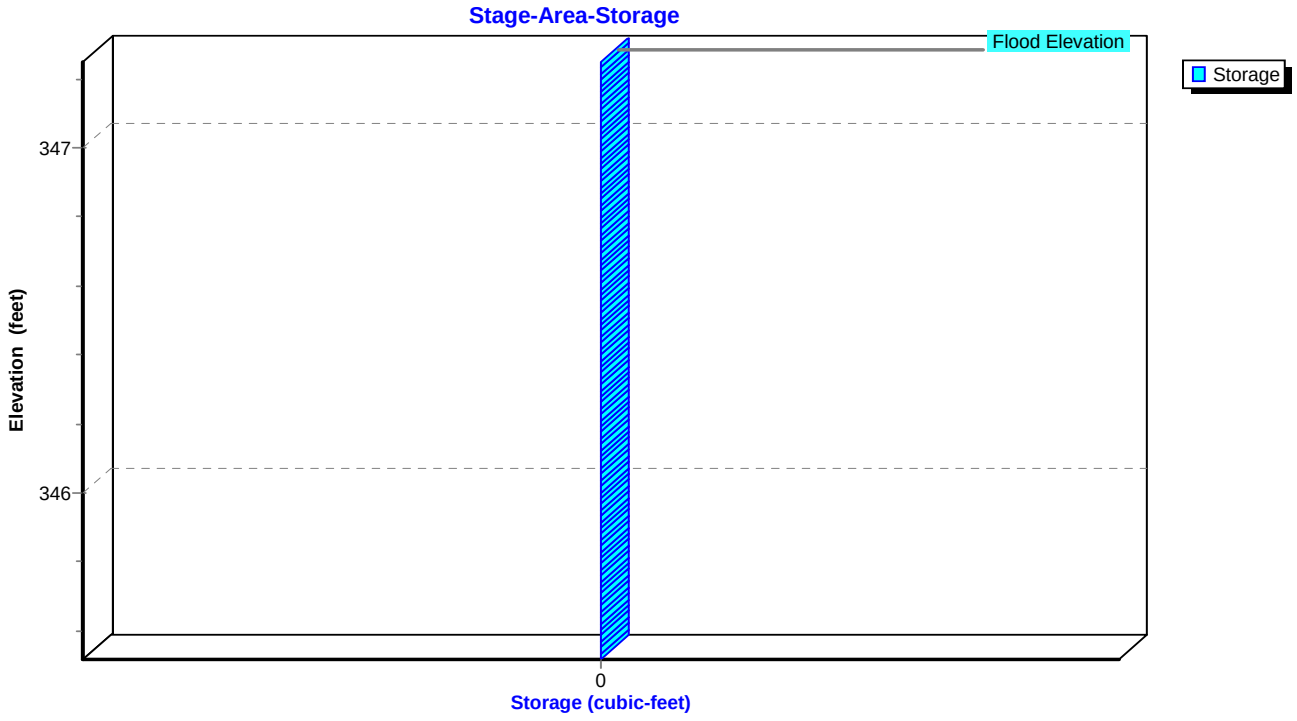
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

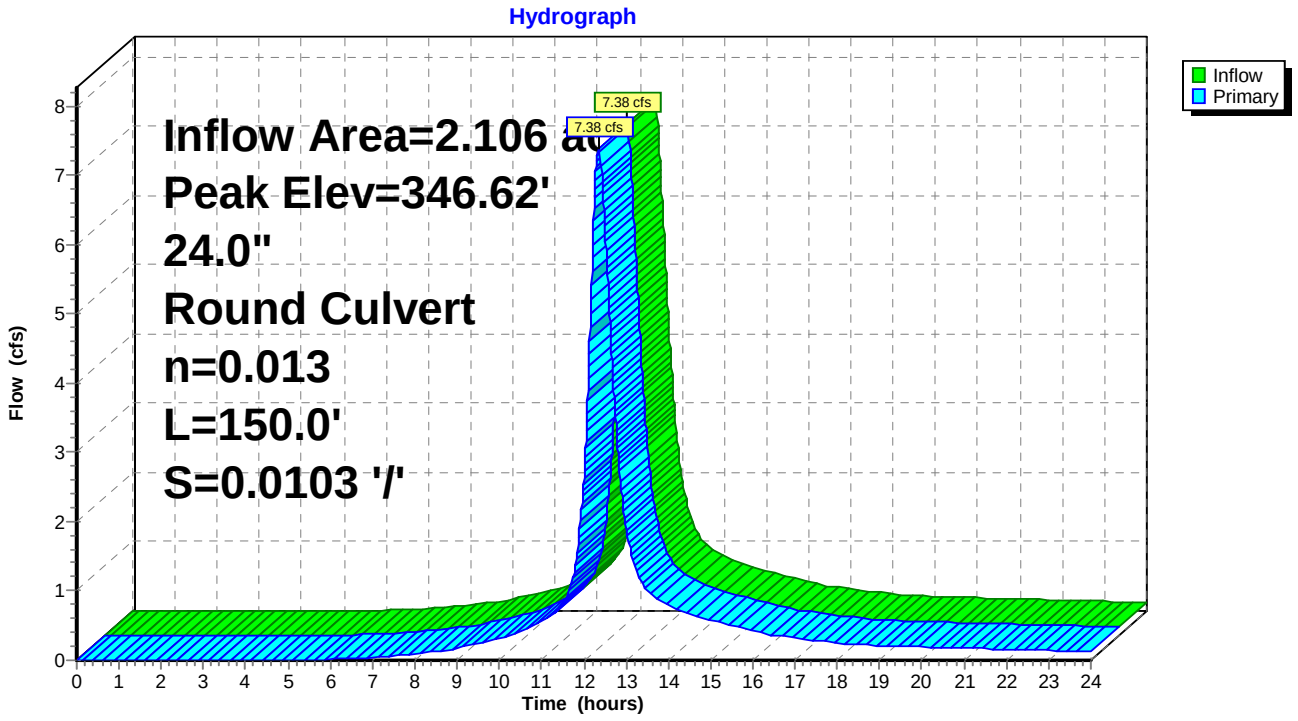
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.00" for 50-Year event
Inflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af
Outflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af, Atten= 0%, Lag= 0.0 min
Primary = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.62' @ 12.33 hrs
Flood Elev= 348.80'

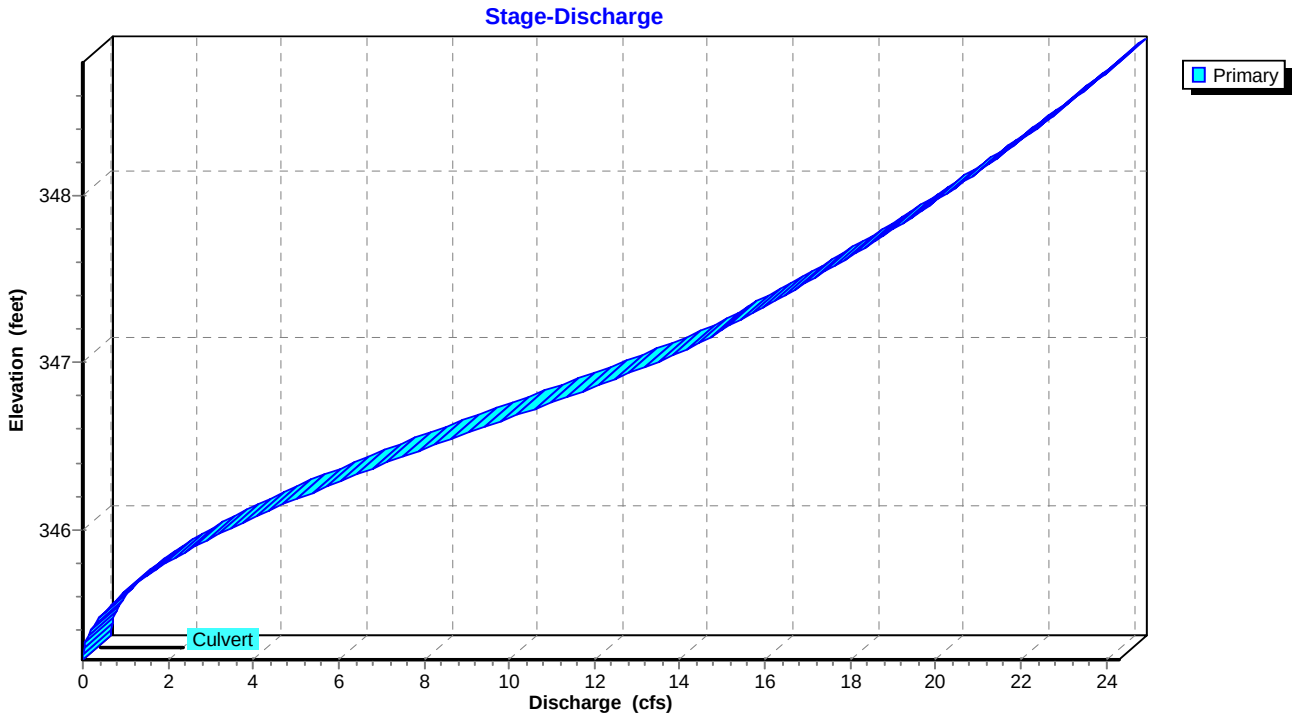
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=7.45 cfs @ 12.34 hrs HW=346.61' TW=345.57' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 7.45 cfs @ 4.50 fps)

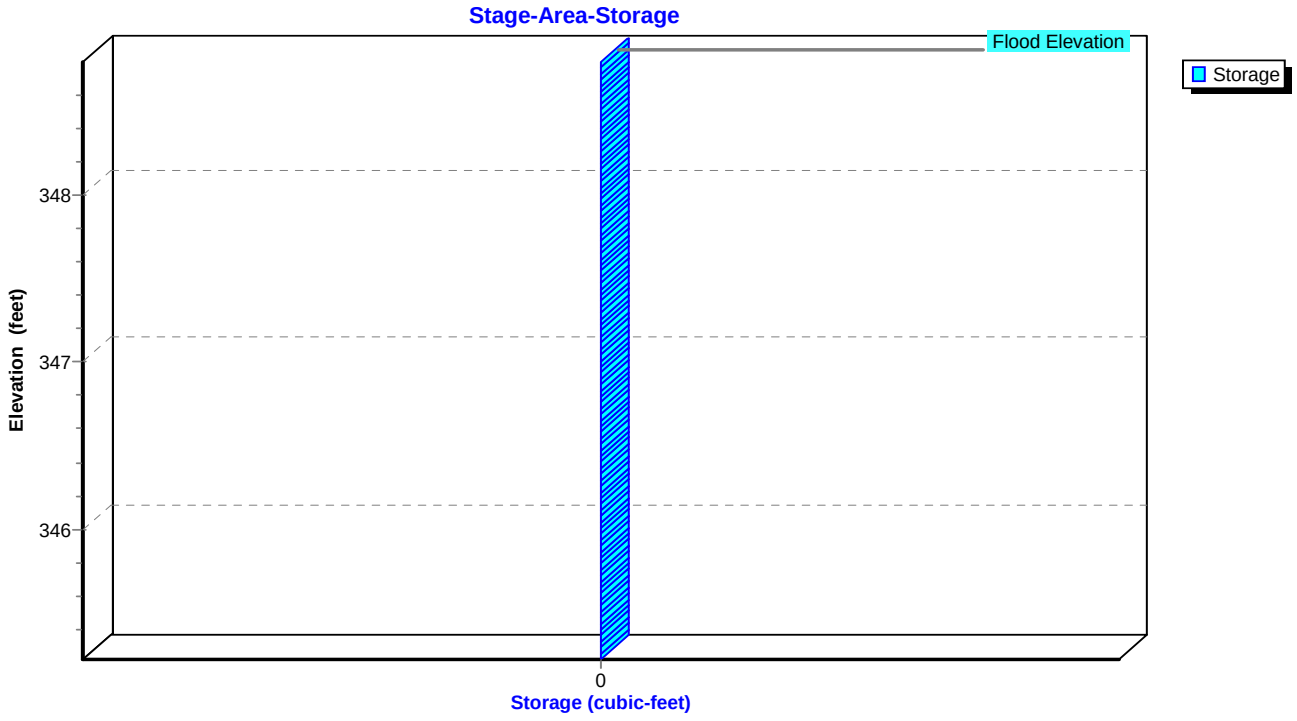
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.24	0.00
6.00	0.01	345.27	0.01
6.50	0.02	345.29	0.02
7.00	0.04	345.30	0.04
7.50	0.06	345.32	0.06
8.00	0.09	345.34	0.09
8.50	0.12	345.36	0.12
9.00	0.18	345.39	0.18
9.50	0.24	345.42	0.24
10.00	0.31	345.45	0.31
10.50	0.41	345.48	0.41
11.00	0.56	345.52	0.56
11.50	0.82	345.59	0.82
12.00	**2.63**	**345.91**	**2.63**
12.50	**6.27**	**346.39**	**6.27**
13.00	1.92	345.79	1.92
13.50	1.02	345.63	1.02
14.00	0.80	345.58	0.80
14.50	0.66	345.55	0.66
15.00	0.58	345.53	0.58
15.50	0.50	345.51	0.50
16.00	0.42	345.48	0.42
16.50	0.36	345.46	0.36
17.00	0.32	345.45	0.32
17.50	0.28	345.43	0.28
18.00	0.25	345.42	0.25
18.50	0.22	345.41	0.22
19.00	0.21	345.40	0.21
19.50	0.20	345.40	0.20
20.00	0.19	345.39	0.19
20.50	0.18	345.39	0.18
21.00	0.17	345.39	0.17
21.50	0.16	345.38	0.16
22.00	0.16	345.38	0.16
22.50	0.15	345.37	0.15
23.00	0.14	345.37	0.14
23.50	0.13	345.37	0.13
24.00	0.13	345.36	0.13

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.22	**0**	347.77	0
345.27	0	347.82	0
345.32	0	347.87	0
345.37	0	347.92	0
345.42	0	347.97	0
345.47	0	348.02	0
345.52	0	348.07	0
345.57	0	348.12	0
345.62	0	348.17	0
345.67	0	348.22	0
345.72	0	348.27	0
345.77	0	348.32	0
345.82	0	348.37	0
345.87	0	348.42	0
345.92	0	348.47	0
345.97	0	348.52	0
346.02	0	348.57	0
346.07	0	348.62	0
346.12	0	348.67	0
346.17	0	348.72	0
346.22	0	348.77	0
346.27	0		
346.32	0		
346.37	0		
346.42	0		
346.47	0		
346.52	0		
346.57	0		
346.62	0		
346.67	0		
346.72	0		
346.77	0		
346.82	0		
346.87	0		
346.92	0		
346.97	0		
347.02	0		
347.07	0		
347.12	0		
347.17	0		
347.22	0		
347.27	0		
347.32	0		
347.37	0		
347.42	0		
347.47	0		
347.52	0		
347.57	0		
347.62	0		
347.67	0		
347.72	0		

Summary for Pond CB10: Catchbasin

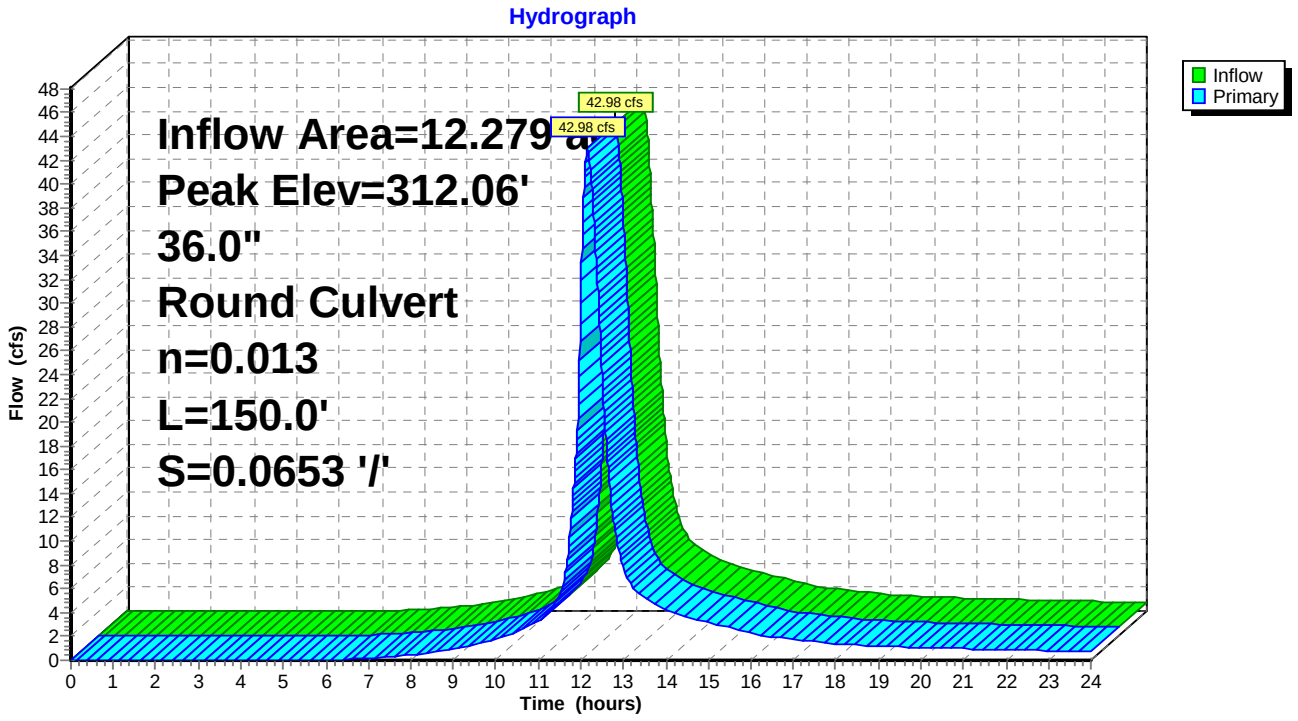
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 4.78" for 50-Year event
Inflow = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af
Outflow = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af, Atten= 0%, Lag= 0.0 min
Primary = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.06' @ 12.16 hrs
Flood Elev= 313.50'

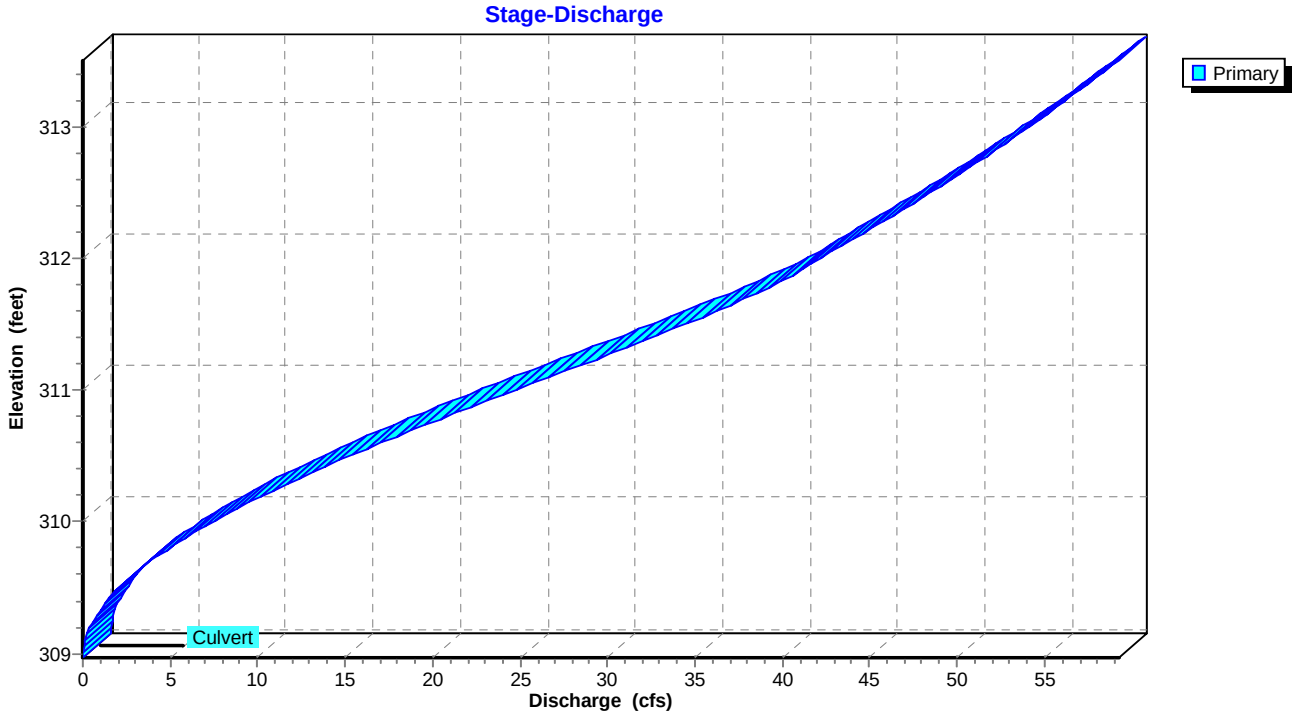
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=42.97 cfs @ 12.16 hrs HW=312.06' TW=302.31' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 42.97 cfs @ 6.08 fps)

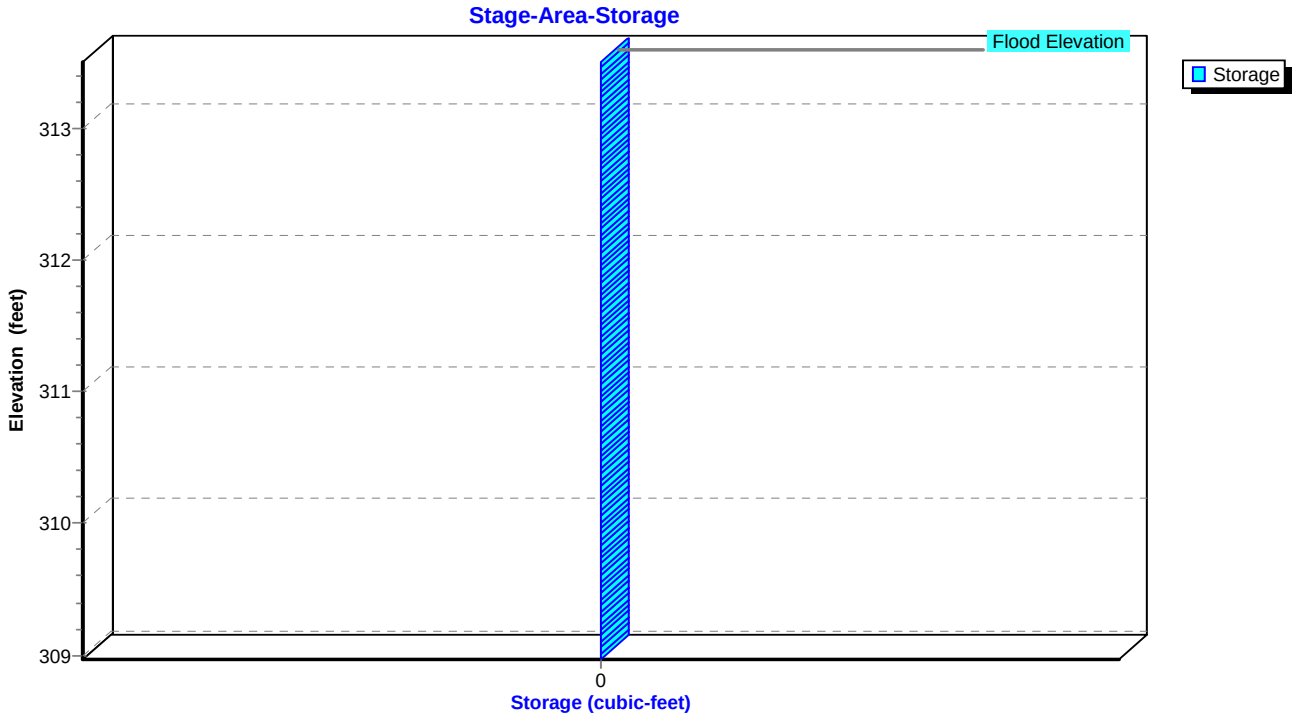
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.01	309.00	0.01
6.00	0.03	309.03	0.03
6.50	0.08	309.07	0.08
7.00	0.18	309.12	0.18
7.50	0.30	309.17	0.30
8.00	0.45	309.21	0.45
8.50	0.66	309.26	0.66
9.00	0.96	309.33	0.96
9.50	1.33	309.39	1.33
10.00	1.76	309.45	1.76
10.50	2.39	309.54	2.39
11.00	3.25	309.64	3.25
11.50	5.33	309.83	5.33
12.00	**30.09**	**311.27**	**30.09**
12.50	**24.04**	**310.97**	**24.04**
13.00	7.84	310.03	7.84
13.50	5.22	309.82	5.22
14.00	4.24	309.74	4.24
14.50	3.60	309.67	3.60
15.00	3.15	309.63	3.15
15.50	2.71	309.58	2.71
16.00	2.26	309.52	2.26
16.50	1.96	309.48	1.96
17.00	1.76	309.45	1.76
17.50	1.56	309.43	1.56
18.00	1.36	309.40	1.36
18.50	1.25	309.38	1.25
19.00	1.18	309.37	1.18
19.50	1.13	309.36	1.13
20.00	1.07	309.35	1.07
20.50	1.02	309.34	1.02
21.00	0.97	309.33	0.97
21.50	0.93	309.32	0.93
22.00	0.88	309.31	0.88
22.50	0.84	309.30	0.84
23.00	0.79	309.29	0.79
23.50	0.75	309.28	0.75
24.00	0.70	309.27	0.70

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

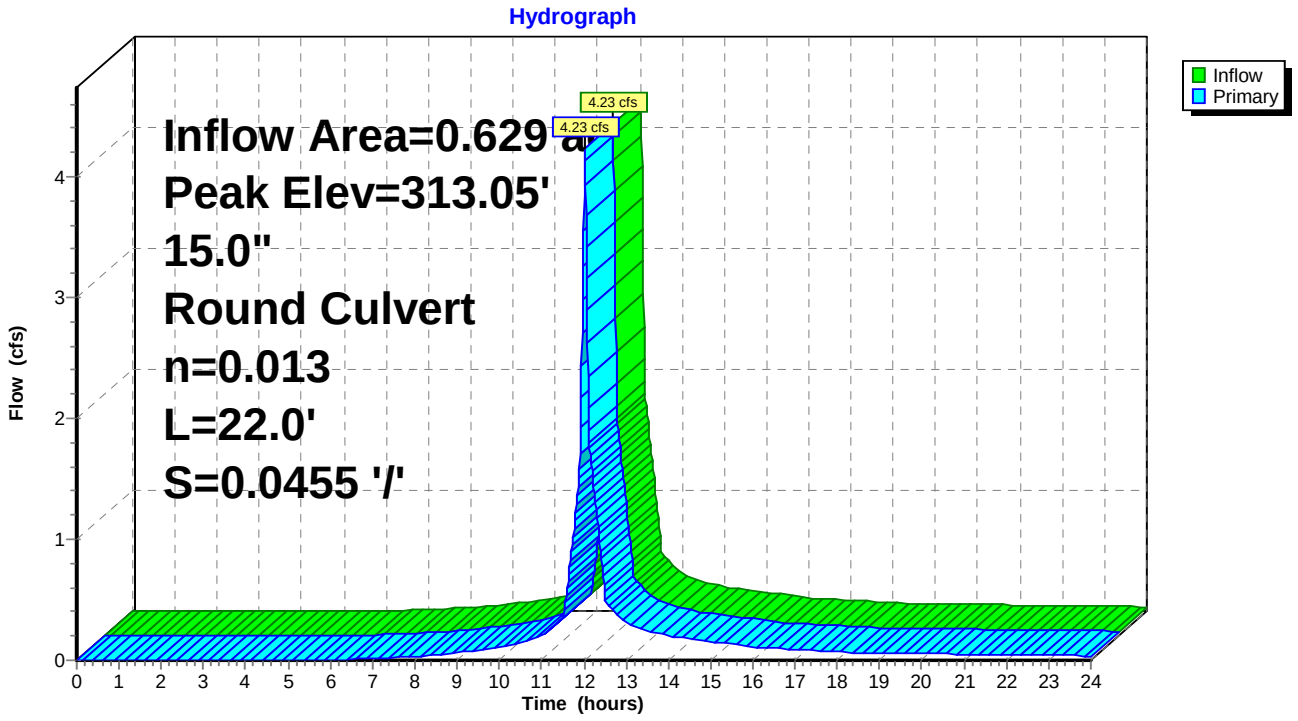
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 4.92" for 50-Year event
Inflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af
Outflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af, Atten= 0%, Lag= 0.0 min
Primary = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.05' @ 12.02 hrs
Flood Elev= 314.50'

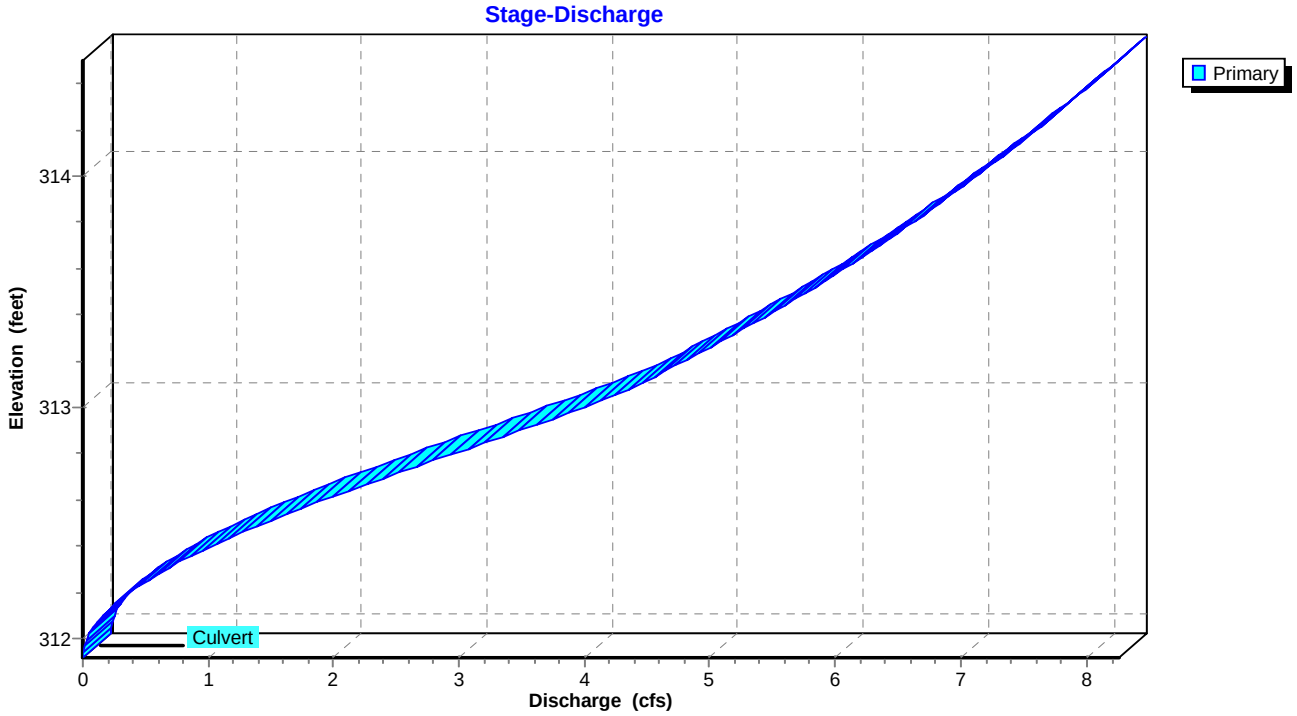
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.22 cfs @ 12.02 hrs HW=313.05' TW=311.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.22 cfs @ 3.62 fps)

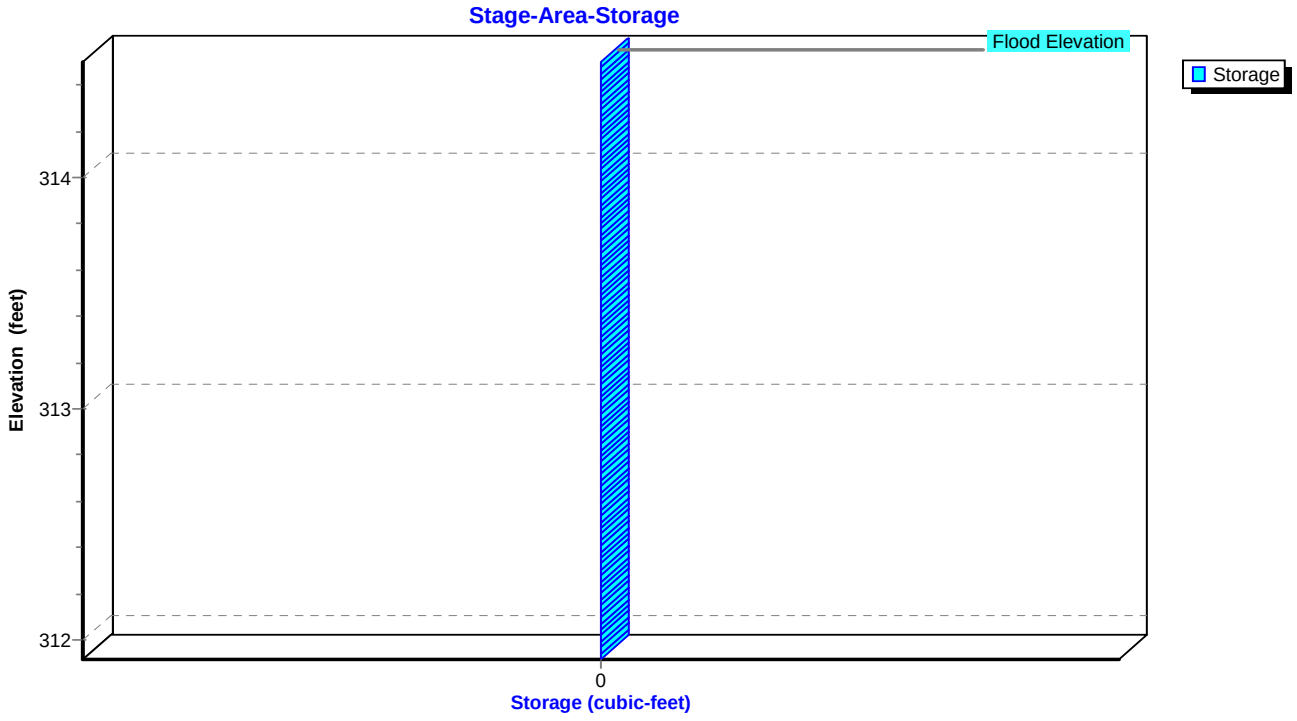
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.93	0.00
6.00	0.00	311.95	0.00
6.50	0.01	311.96	0.01
7.00	0.01	311.97	0.01
7.50	0.02	311.99	0.02
8.00	0.03	312.00	0.03
8.50	0.04	312.01	0.04
9.00	0.06	312.03	0.06
9.50	0.08	312.05	0.08
10.00	0.11	312.07	0.11
10.50	0.15	312.09	0.15
11.00	0.20	312.12	0.20
11.50	0.35	312.19	0.35
12.00	**3.84**	**312.97**	**3.84**
12.50	**0.54**	**312.26**	**0.54**
13.00	0.30	312.17	0.30
13.50	0.25	312.15	0.25
14.00	0.20	312.12	0.20
14.50	0.18	312.11	0.18
15.00	0.15	312.10	0.15
15.50	0.13	312.08	0.13
16.00	0.11	312.07	0.11
16.50	0.10	312.06	0.10
17.00	0.09	312.05	0.09
17.50	0.08	312.04	0.08
18.00	0.07	312.04	0.07
18.50	0.06	312.03	0.06
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.05	312.02	0.05
20.50	0.05	312.02	0.05
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.04	312.01	0.04
22.50	0.04	312.01	0.04
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.00	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

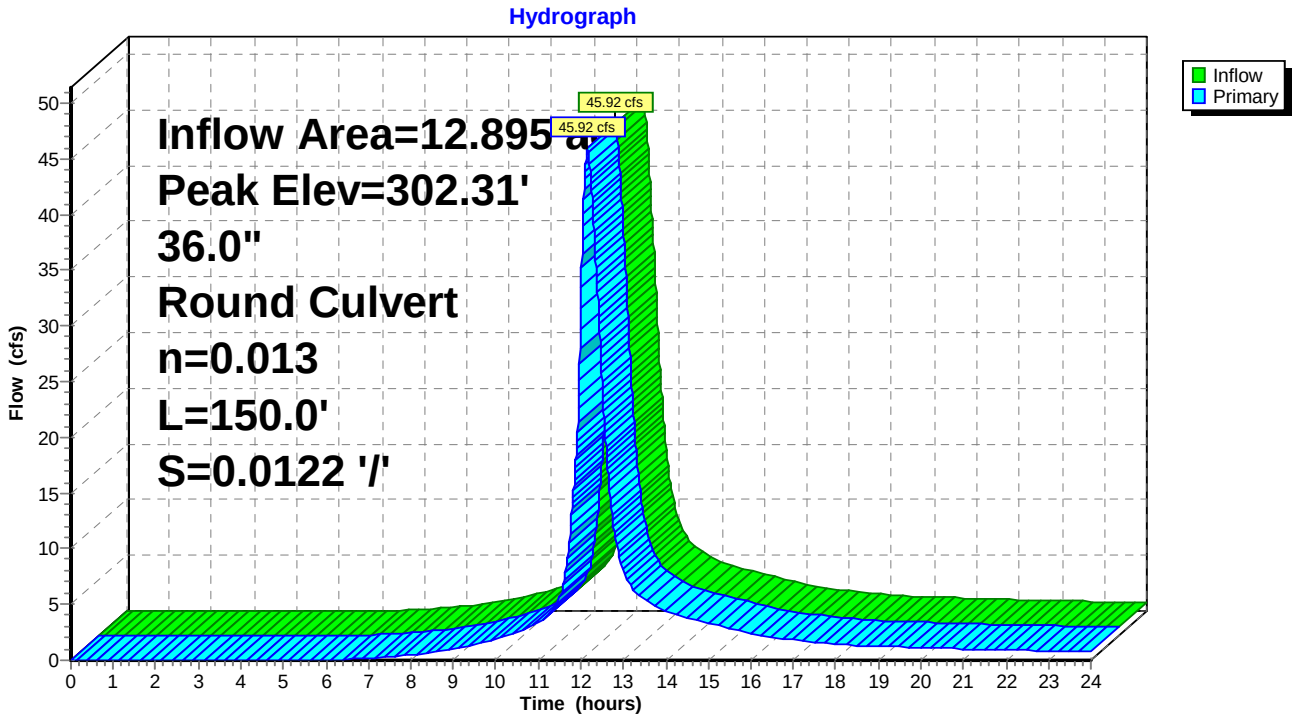
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 4.79" for 50-Year event
Inflow = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af
Outflow = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af, Atten= 0%, Lag= 0.0 min
Primary = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.31' @ 12.16 hrs
Flood Elev= 304.00'

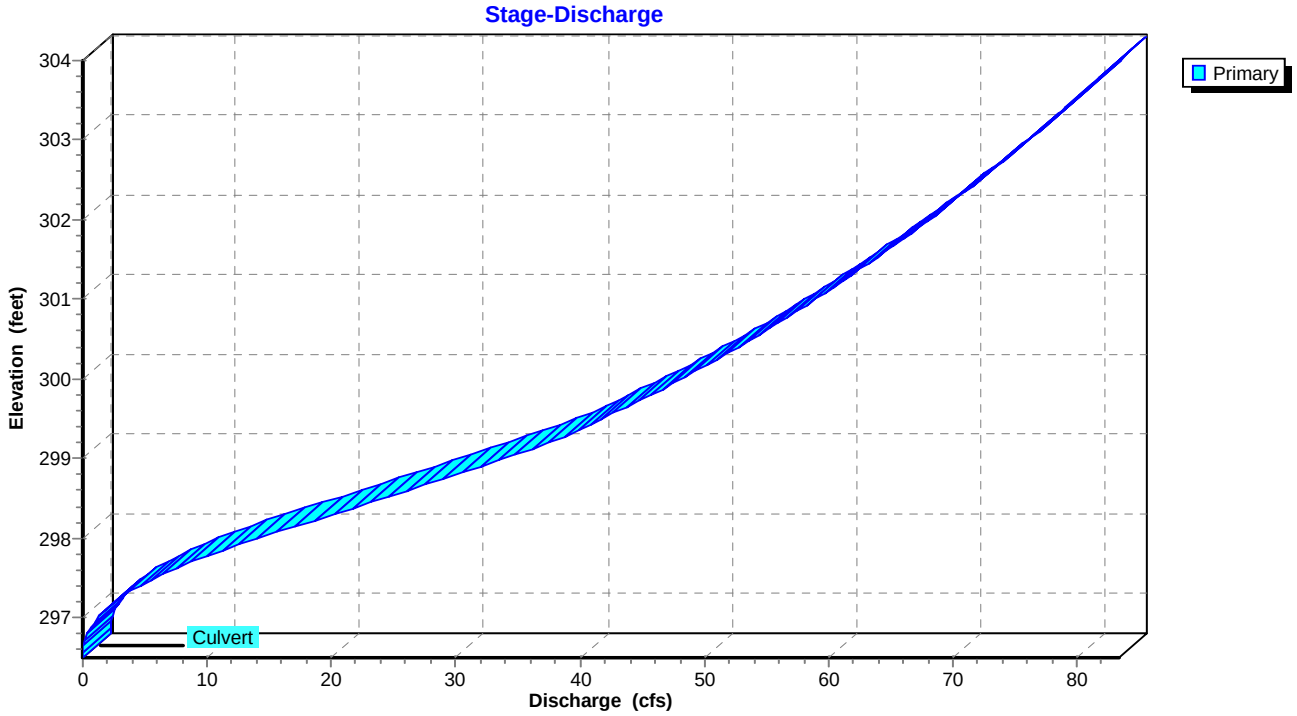
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=45.99 cfs @ 12.16 hrs HW=302.30' TW=300.48' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 45.99 cfs @ 6.51 fps)

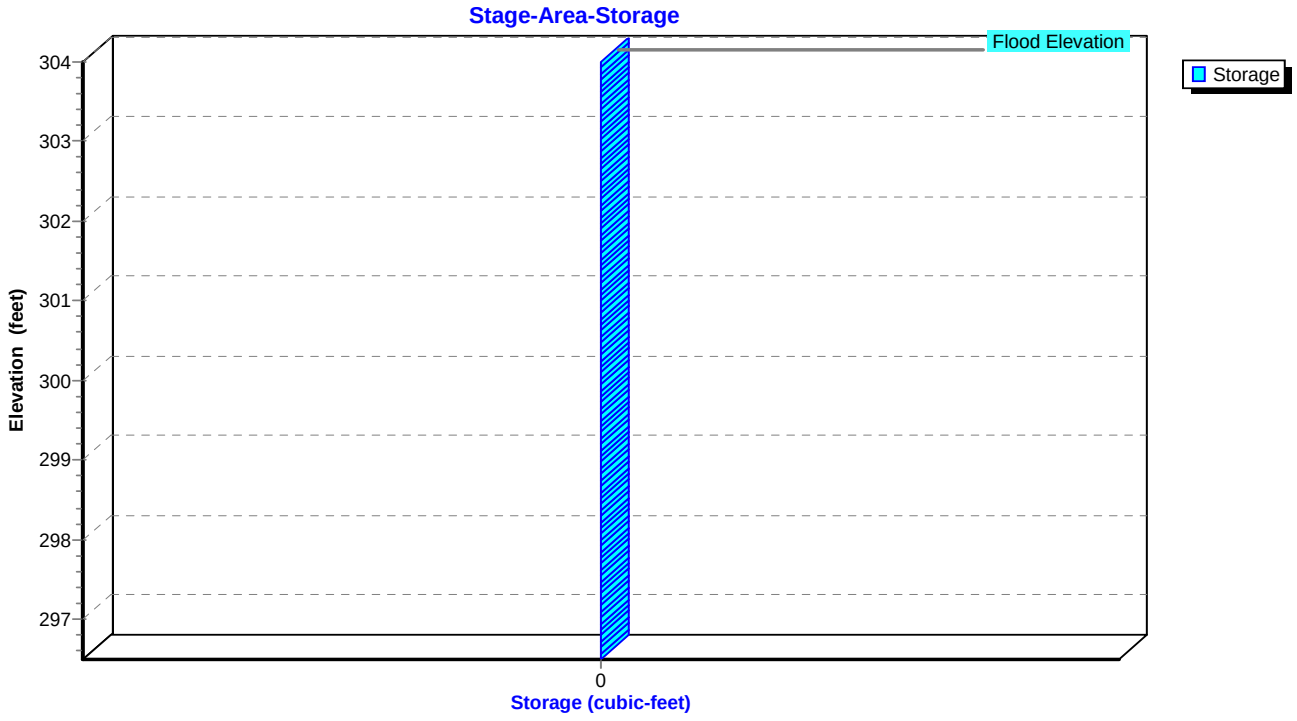
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.51	0.00
5.50	0.01	296.56	0.01
6.00	0.03	296.63	0.03
6.50	0.09	296.70	0.09
7.00	0.19	296.78	0.19
7.50	0.32	296.85	0.32
8.00	0.47	296.91	0.47
8.50	0.70	296.99	0.70
9.00	1.01	297.08	1.01
9.50	1.40	297.17	1.40
10.00	1.85	297.26	1.85
10.50	2.52	297.38	2.52
11.00	3.42	297.52	3.42
11.50	5.62	297.79	5.62
12.00	**31.58**	**299.84**	**31.58**
12.50	**25.02**	**299.41**	**25.02**
13.00	8.17	298.06	8.17
13.50	5.47	297.78	5.47
14.00	4.44	297.66	4.44
14.50	3.78	297.57	3.78
15.00	3.31	297.50	3.31
15.50	2.84	297.43	2.84
16.00	2.37	297.36	2.37
16.50	2.05	297.30	2.05
17.00	1.84	297.26	1.84
17.50	1.64	297.22	1.64
18.00	1.43	297.18	1.43
18.50	1.31	297.15	1.31
19.00	1.24	297.14	1.24
19.50	1.18	297.12	1.18
20.00	1.12	297.11	1.12
20.50	1.07	297.10	1.07
21.00	1.02	297.08	1.02
21.50	0.97	297.07	0.97
22.00	0.93	297.06	0.93
22.50	0.88	297.05	0.88
23.00	0.83	297.03	0.83
23.50	0.79	297.02	0.79
24.00	0.74	297.01	0.74

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

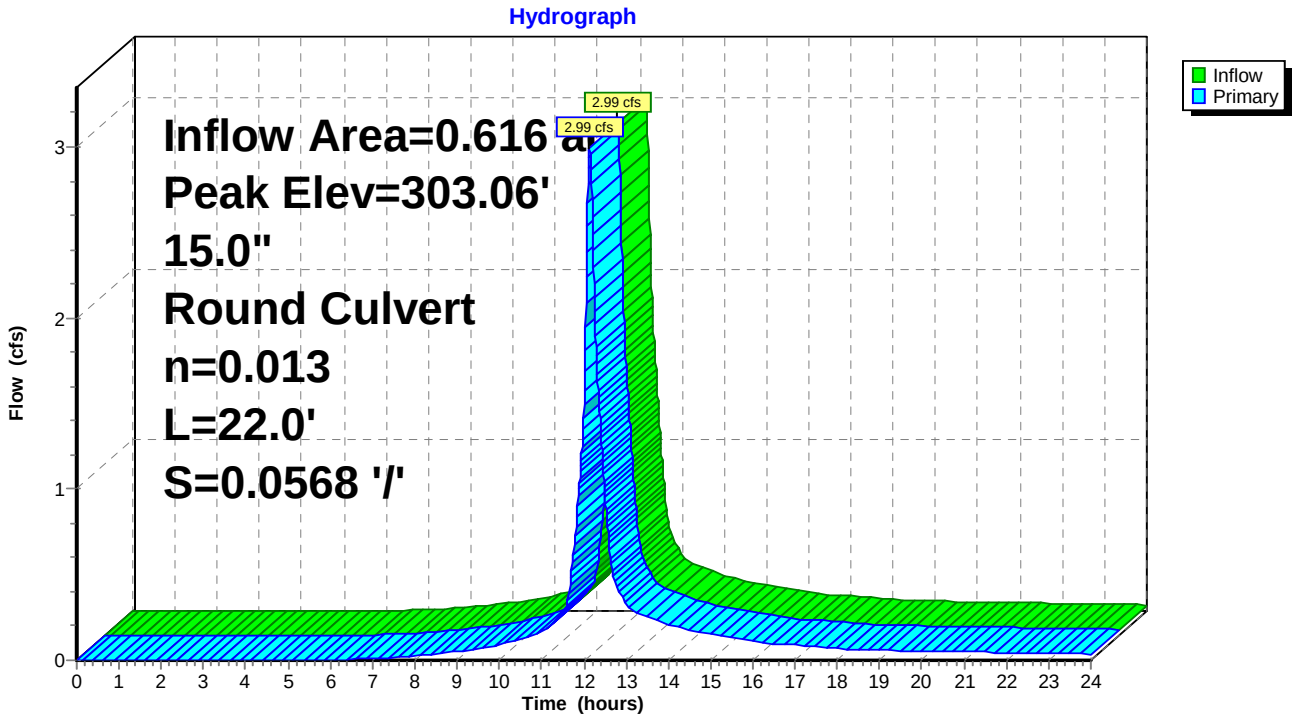
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af
Outflow = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af, Atten= 0%, Lag= 0.0 min
Primary = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.06' @ 12.14 hrs
Flood Elev= 304.80'

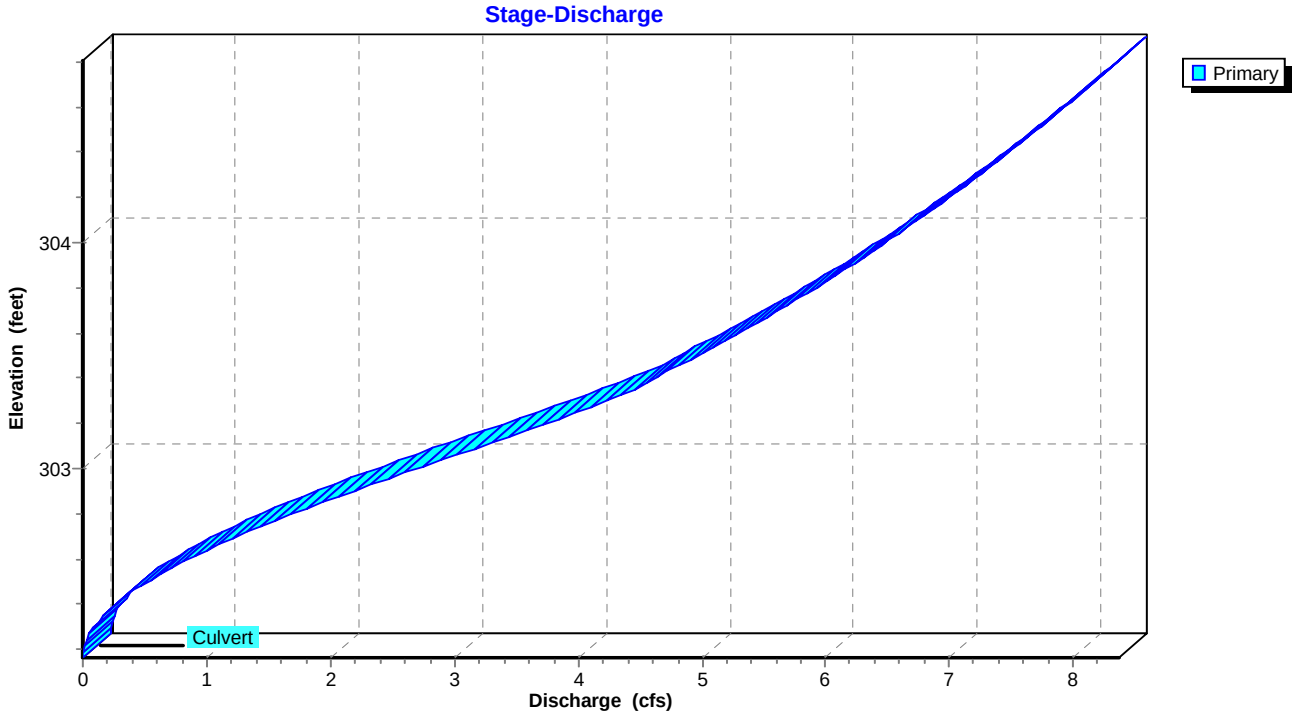
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.99 cfs @ 12.14 hrs HW=303.06' TW=302.19' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.99 cfs @ 3.21 fps)

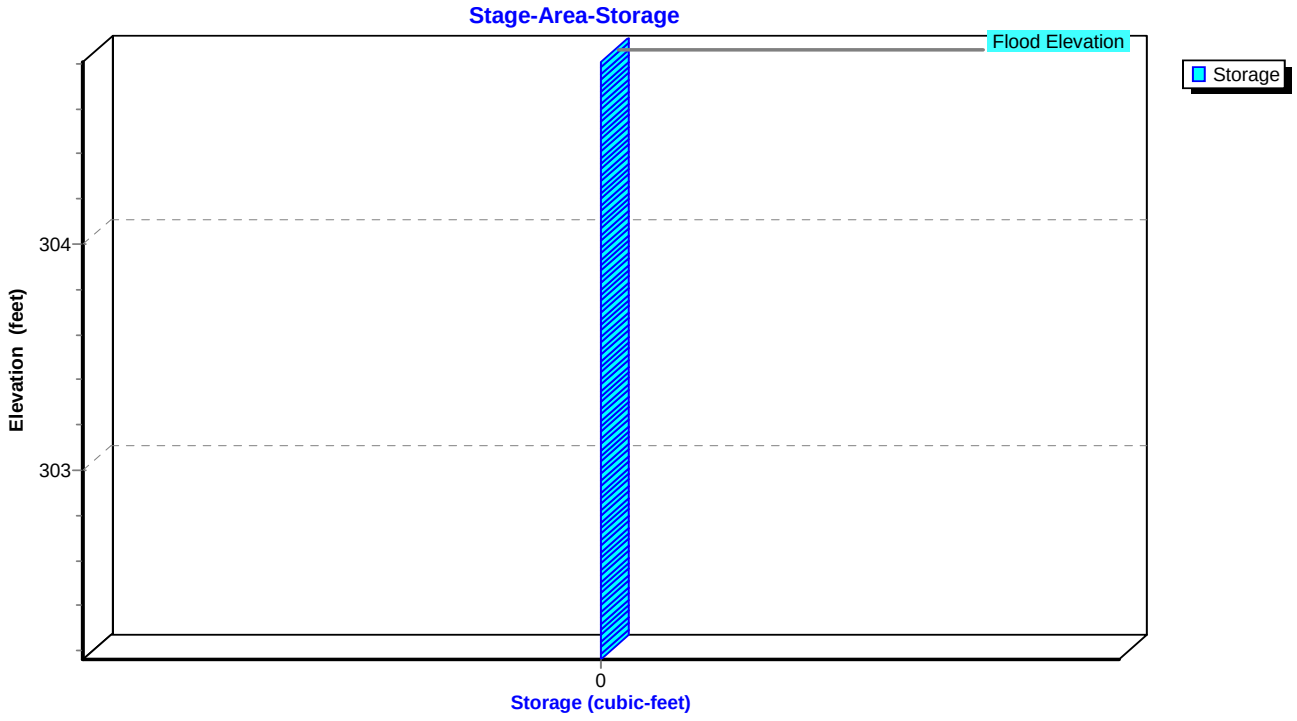
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.18	0.00
6.50	0.00	302.20	0.00
7.00	0.01	302.21	0.01
7.50	0.02	302.23	0.02
8.00	0.02	302.24	0.02
8.50	0.03	302.25	0.03
9.00	0.05	302.27	0.05
9.50	0.07	302.29	0.07
10.00	0.09	302.31	0.09
10.50	0.13	302.33	0.13
11.00	0.17	302.36	0.17
11.50	0.29	302.41	0.29
12.00	**1.49**	**302.76**	**1.49**
12.50	**0.98**	**302.64**	**0.98**
13.00	0.34	302.44	0.34
13.50	0.25	302.40	0.25
14.00	0.21	302.38	0.21
14.50	0.18	302.36	0.18
15.00	0.16	302.35	0.16
15.50	0.13	302.34	0.13
16.00	0.11	302.32	0.11
16.50	0.10	302.31	0.10
17.00	0.09	302.30	0.09
17.50	0.08	302.30	0.08
18.00	0.07	302.29	0.07
18.50	0.06	302.28	0.06
19.00	0.06	302.28	0.06
19.50	0.06	302.28	0.06
20.00	0.05	302.27	0.05
20.50	0.05	302.27	0.05
21.00	0.05	302.27	0.05
21.50	0.05	302.27	0.05
22.00	0.04	302.26	0.04
22.50	0.04	302.26	0.04
23.00	0.04	302.26	0.04
23.50	0.04	302.26	0.04
24.00	0.04	302.25	0.04

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

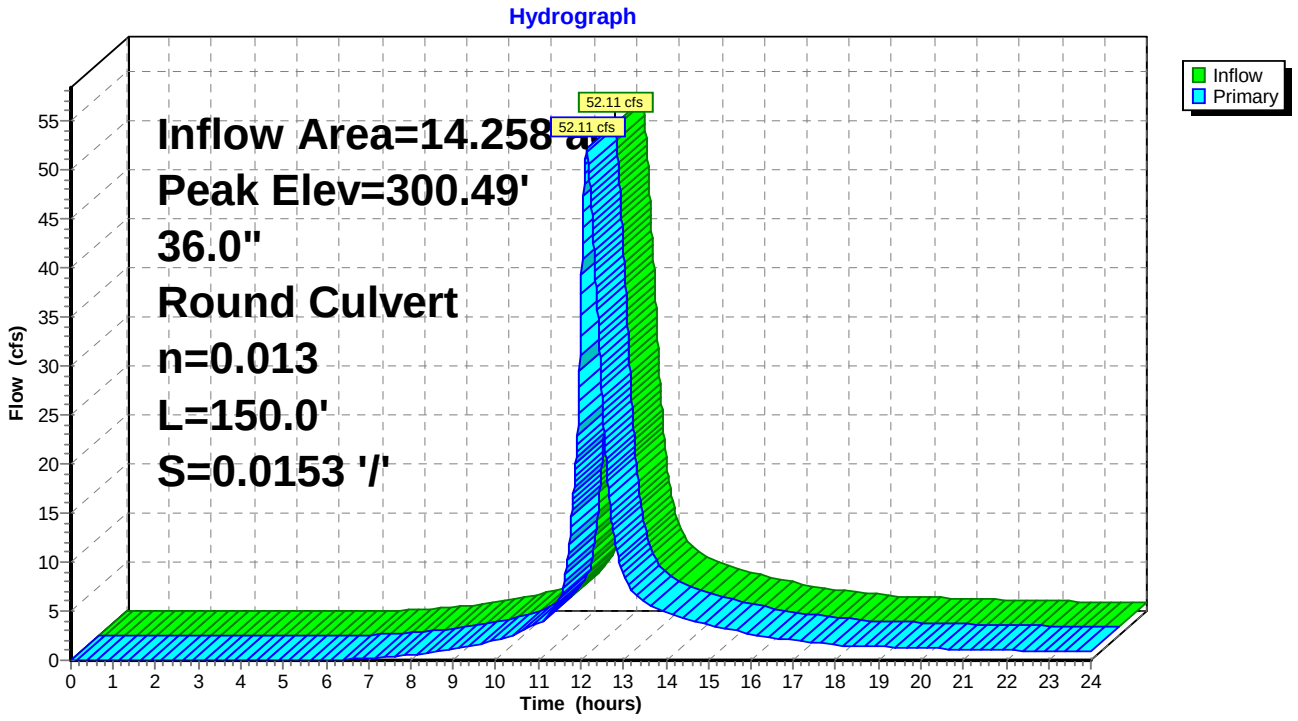
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 4.75" for 50-Year event
Inflow = 52.11 cfs @ 12.14 hrs, Volume= 5.650 af
Outflow = 52.11 cfs @ 12.14 hrs, Volume= 5.650 af, Atten= 0%, Lag= 0.0 min
Primary = 52.11 cfs @ 12.14 hrs, Volume= 5.650 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.49' @ 12.15 hrs
Flood Elev= 301.50'

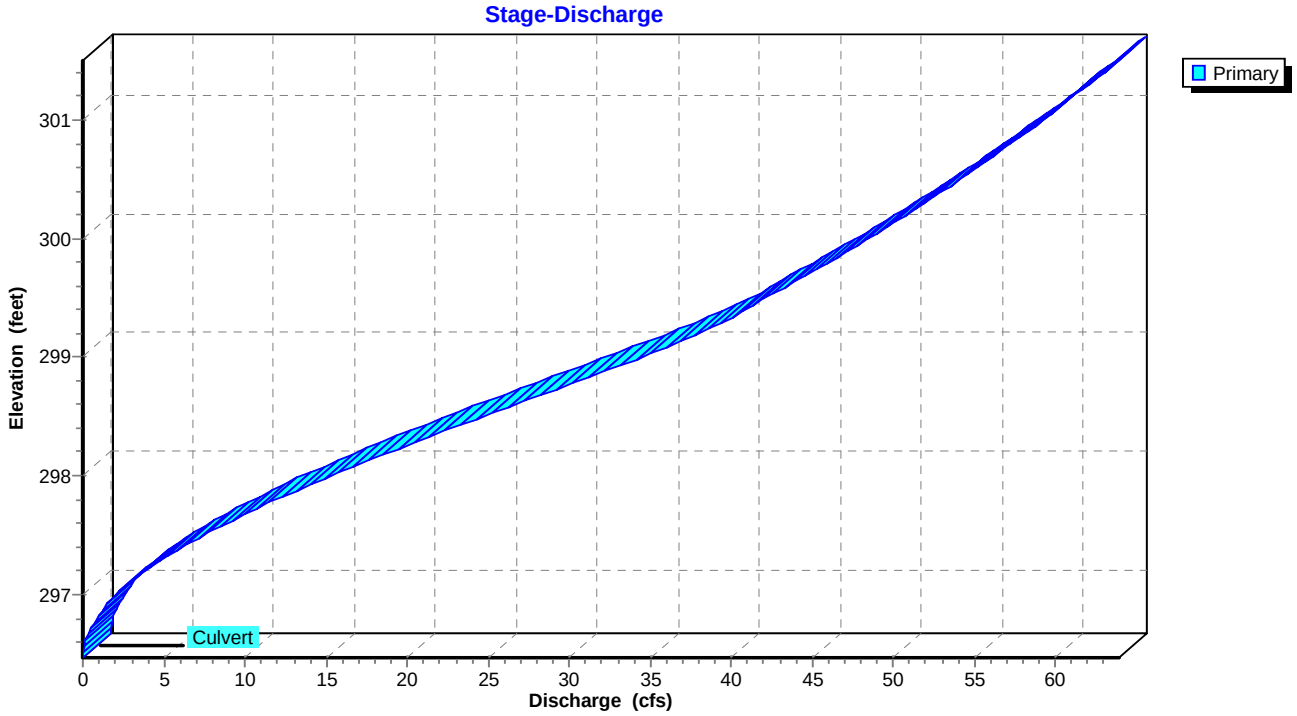
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=51.90 cfs @ 12.14 hrs HW=300.48' TW=298.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 51.90 cfs @ 7.34 fps)

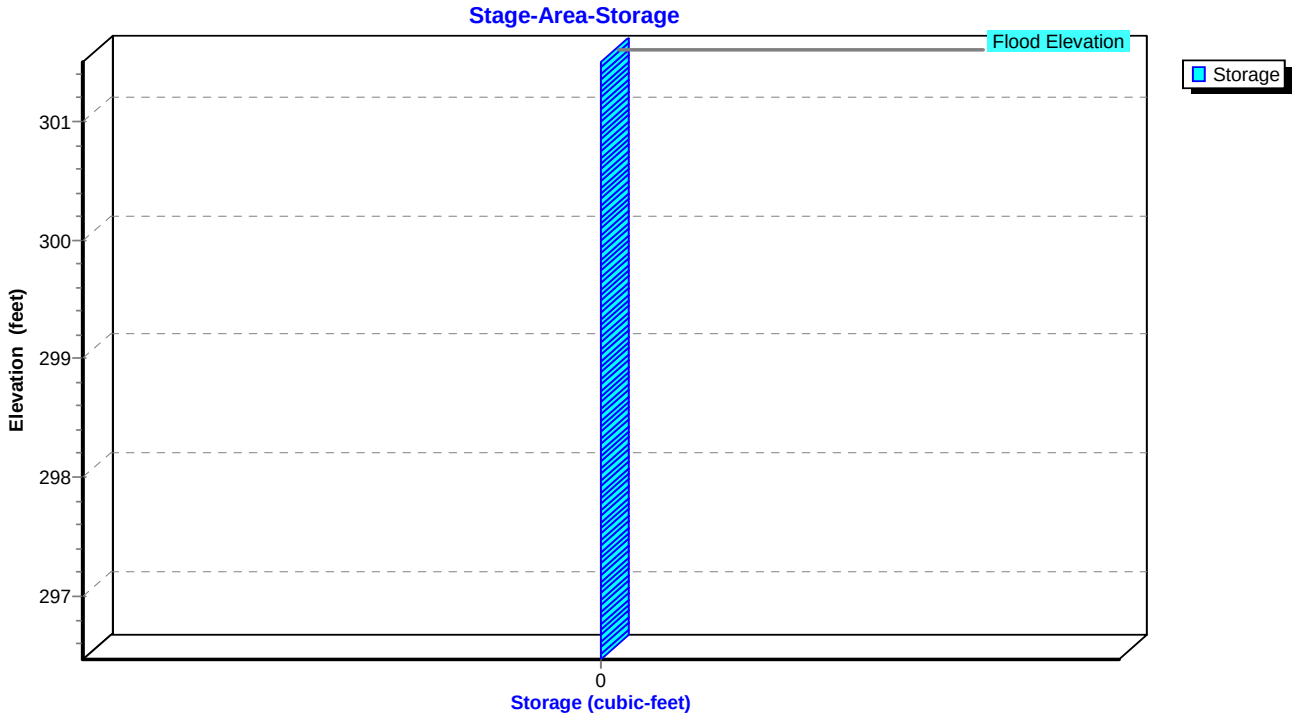
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.01	296.50	0.01
6.00	0.03	296.53	0.03
6.50	0.09	296.58	0.09
7.00	0.20	296.63	0.20
7.50	0.34	296.68	0.34
8.00	0.50	296.73	0.50
8.50	0.75	296.78	0.75
9.00	1.10	296.85	1.10
9.50	1.52	296.92	1.52
10.00	2.01	296.99	2.01
10.50	2.76	297.08	2.76
11.00	3.75	297.19	3.75
11.50	6.20	297.41	6.20
12.00	**35.08**	**299.03**	**35.08**
12.50	**26.85**	**298.61**	**26.85**
13.00	8.87	297.60	8.87
13.50	6.00	297.39	6.00
14.00	4.88	297.29	4.88
14.50	4.15	297.23	4.15
15.00	3.64	297.18	3.64
15.50	3.12	297.12	3.12
16.00	2.60	297.06	2.60
16.50	2.26	297.02	2.26
17.00	2.03	296.99	2.03
17.50	1.80	296.96	1.80
18.00	1.57	296.93	1.57
18.50	1.44	296.91	1.44
19.00	1.37	296.90	1.37
19.50	1.30	296.89	1.30
20.00	1.23	296.87	1.23
20.50	1.18	296.86	1.18
21.00	1.13	296.86	1.13
21.50	1.07	296.85	1.07
22.00	1.02	296.84	1.02
22.50	0.97	296.83	0.97
23.00	0.92	296.82	0.92
23.50	0.87	296.81	0.87
24.00	0.81	296.80	0.81

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

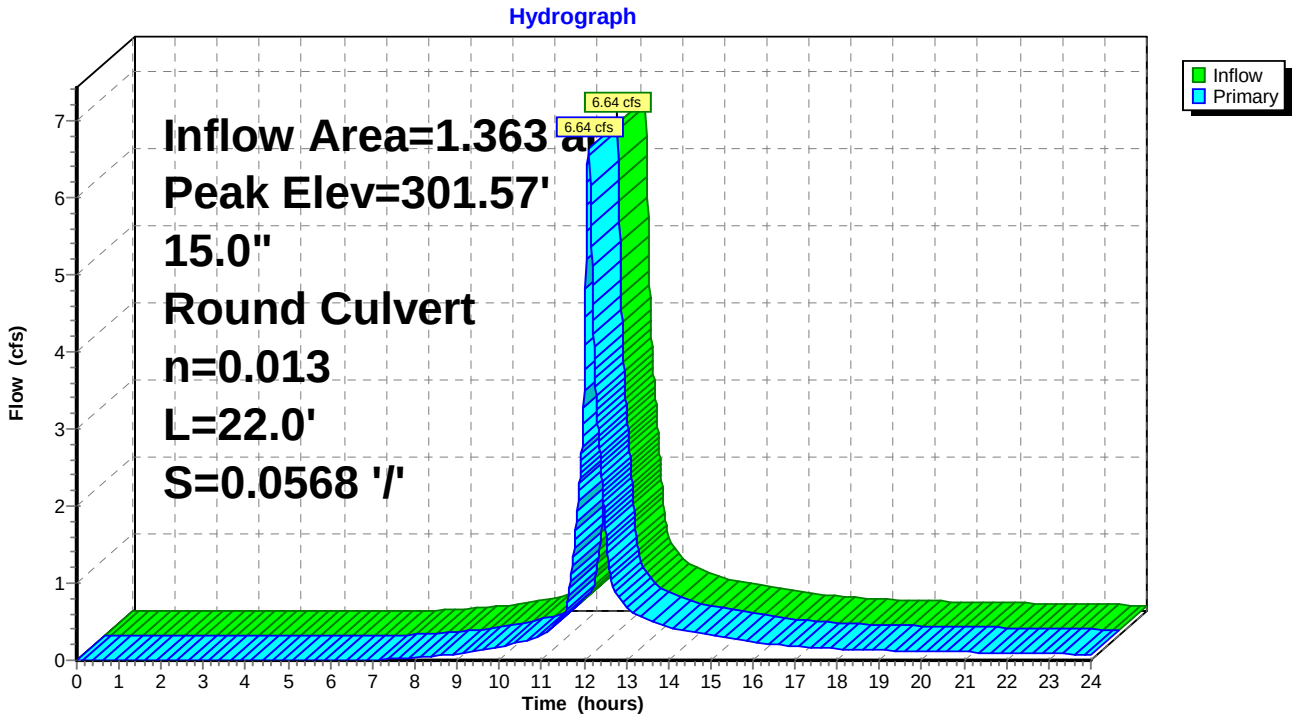
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 4.47" for 50-Year event
Inflow = 6.64 cfs @ 12.11 hrs, Volume= 0.508 af
Outflow = 6.64 cfs @ 12.11 hrs, Volume= 0.508 af, Atten= 0%, Lag= 0.0 min
Primary = 6.64 cfs @ 12.11 hrs, Volume= 0.508 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.57' @ 12.14 hrs
Flood Elev= 302.80'

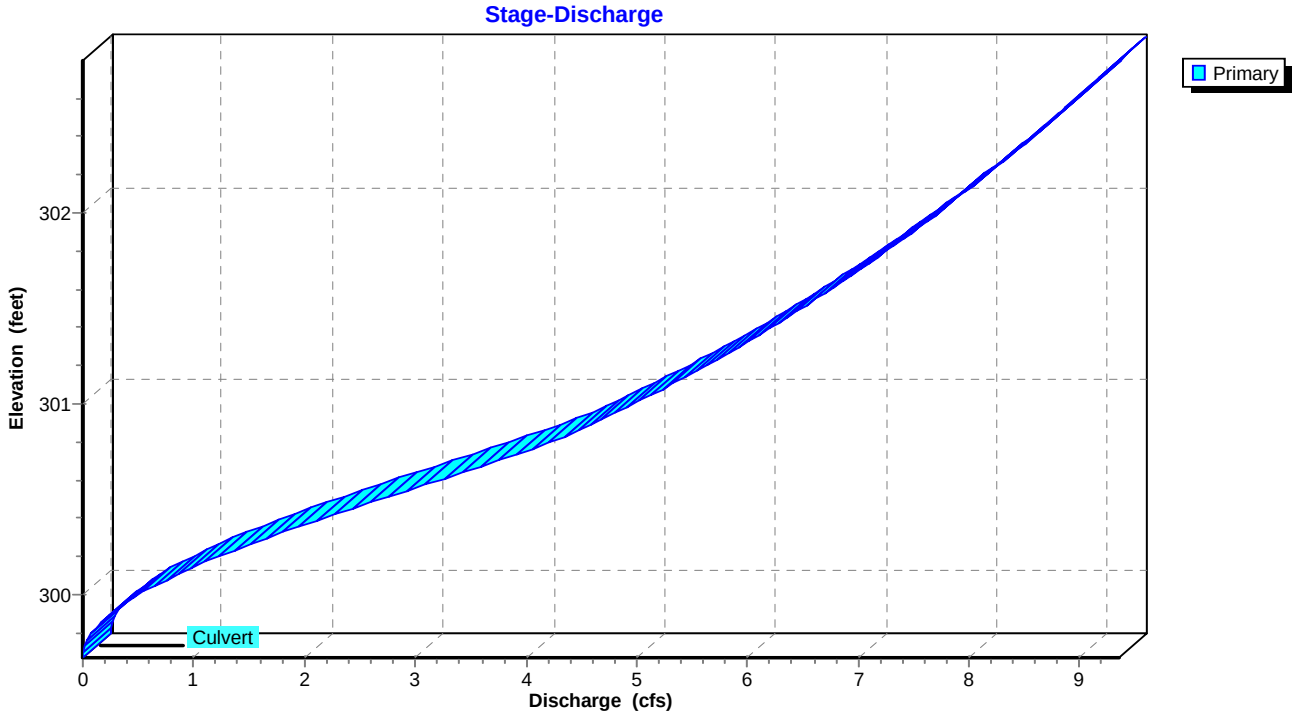
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.63 cfs @ 12.11 hrs HW=301.56' TW=300.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.63 cfs @ 5.41 fps)

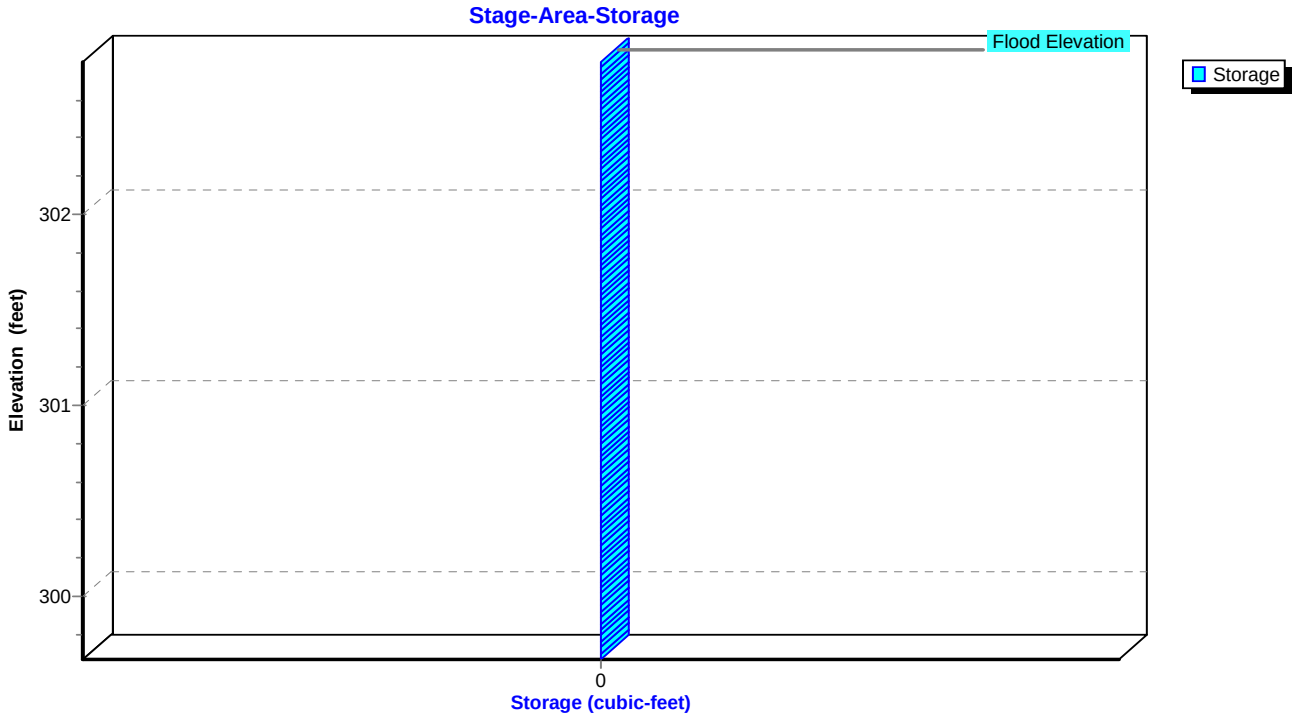
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.01	299.71	0.01
7.50	0.02	299.73	0.02
8.00	0.03	299.75	0.03
8.50	0.05	299.78	0.05
9.00	0.08	299.80	0.08
9.50	0.12	299.83	0.12
10.00	0.17	299.86	0.17
10.50	0.24	299.89	0.24
11.00	0.33	299.93	0.33
11.50	0.58	300.02	0.58
12.00	**3.51**	**300.66**	**3.51**
12.50	**1.83**	**300.33**	**1.83**
13.00	0.69	300.06	0.69
13.50	0.53	300.01	0.53
14.00	0.44	299.98	0.44
14.50	0.38	299.95	0.38
15.00	0.33	299.93	0.33
15.50	0.28	299.91	0.28
16.00	0.23	299.89	0.23
16.50	0.21	299.88	0.21
17.00	0.19	299.87	0.19
17.50	0.16	299.85	0.16
18.00	0.14	299.84	0.14
18.50	0.13	299.84	0.13
19.00	0.13	299.83	0.13
19.50	0.12	299.83	0.12
20.00	0.11	299.82	0.11
20.50	0.11	299.82	0.11
21.00	0.10	299.82	0.10
21.50	0.10	299.81	0.10
22.00	0.09	299.81	0.09
22.50	0.09	299.81	0.09
23.00	0.09	299.80	0.09
23.50	0.08	299.80	0.08
24.00	0.08	299.79	0.08

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	**9.33**
299.75	0.03	300.77	4.08	301.79	7.22		
299.77	0.05	300.79	4.18	301.81	7.27		
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	302.22	0
299.72	0	302.27	0
299.77	0	302.32	0
299.82	0	302.37	0
299.87	0	302.42	0
299.92	0	302.47	0
299.97	0	302.52	0
300.02	0	302.57	0
300.07	0	302.62	0
300.12	0	302.67	0
300.17	0	302.72	0
300.22	0	302.77	0
300.27	0		
300.32	0		
300.37	0		
300.42	0		
300.47	0		
300.52	0		
300.57	0		
300.62	0		
300.67	0		
300.72	0		
300.77	0		
300.82	0		
300.87	0		
300.92	0		
300.97	0		
301.02	0		
301.07	0		
301.12	0		
301.17	0		
301.22	0		
301.27	0		
301.32	0		
301.37	0		
301.42	0		
301.47	0		
301.52	0		
301.57	0		
301.62	0		
301.67	0		
301.72	0		
301.77	0		
301.82	0		
301.87	0		
301.92	0		
301.97	0		
302.02	0		
302.07	0		
302.12	0		
302.17	0		

Summary for Pond CB13: Catchbasin

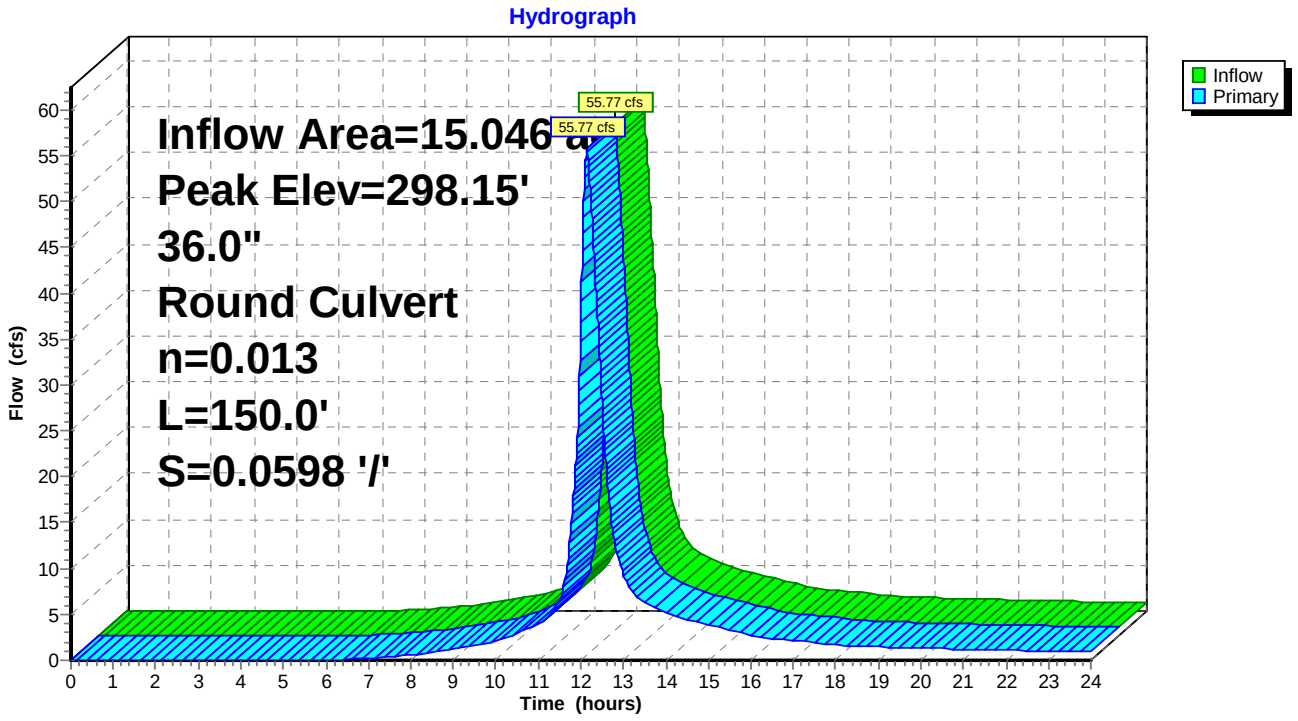
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 4.76" for 50-Year event
Inflow = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af
Outflow = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af, Atten= 0%, Lag= 0.0 min
Primary = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.15' @ 12.14 hrs
Flood Elev= 298.50'

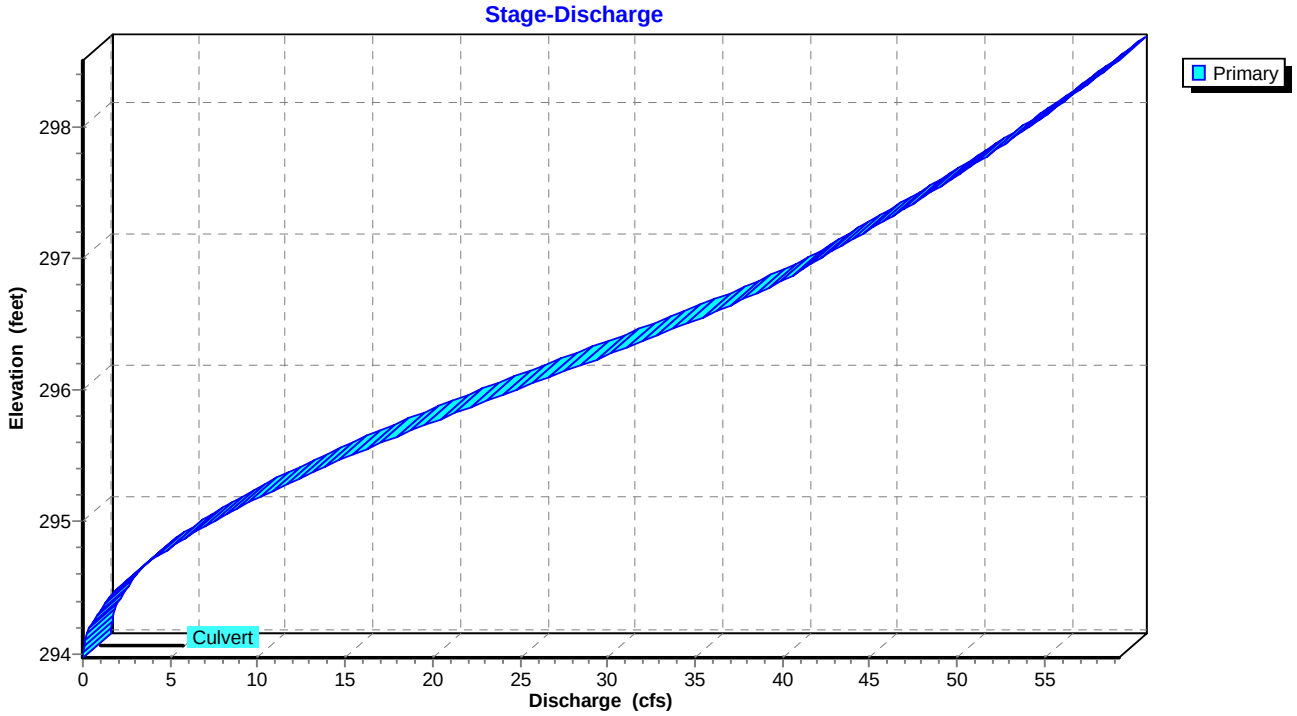
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=55.73 cfs @ 12.14 hrs HW=298.15' TW=289.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 55.73 cfs @ 7.88 fps)

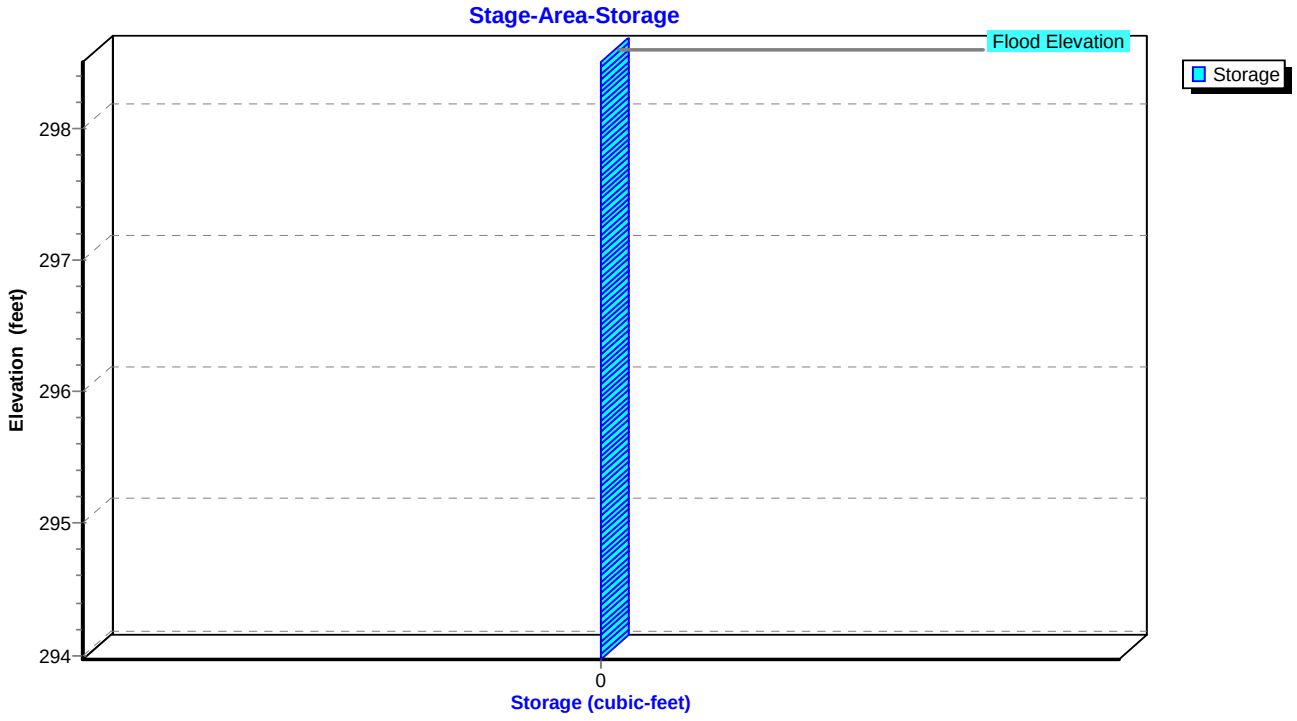
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.01	294.00	0.01
6.00	0.03	294.03	0.03
6.50	0.10	294.08	0.10
7.00	0.21	294.13	0.21
7.50	0.36	294.19	0.36
8.00	0.53	294.23	0.53
8.50	0.80	294.29	0.80
9.00	1.16	294.36	1.16
9.50	1.61	294.43	1.61
10.00	2.13	294.51	2.13
10.50	2.91	294.60	2.91
11.00	3.97	294.71	3.97
11.50	6.55	294.93	6.55
12.00	**36.86**	**296.63**	**36.86**
12.50	**28.20**	**296.18**	**28.20**
13.00	9.31	295.13	9.31
13.50	6.33	294.92	6.33
14.00	5.15	294.82	5.15
14.50	4.38	294.75	4.38
15.00	3.84	294.70	3.84
15.50	3.29	294.64	3.29
16.00	2.75	294.58	2.75
16.50	2.39	294.54	2.39
17.00	2.14	294.51	2.14
17.50	1.90	294.48	1.90
18.00	1.66	294.44	1.66
18.50	1.52	294.42	1.52
19.00	1.45	294.41	1.45
19.50	1.37	294.40	1.37
20.00	1.30	294.39	1.30
20.50	1.24	294.38	1.24
21.00	1.19	294.37	1.19
21.50	1.13	294.36	1.13
22.00	1.08	294.35	1.08
22.50	1.02	294.34	1.02
23.00	0.97	294.33	0.97
23.50	0.91	294.32	0.91
24.00	0.86	294.31	0.86

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	**58.95**
295.97	24.10		
296.02	25.09		
296.07	26.08		
296.12	27.07		
296.17	28.05		
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

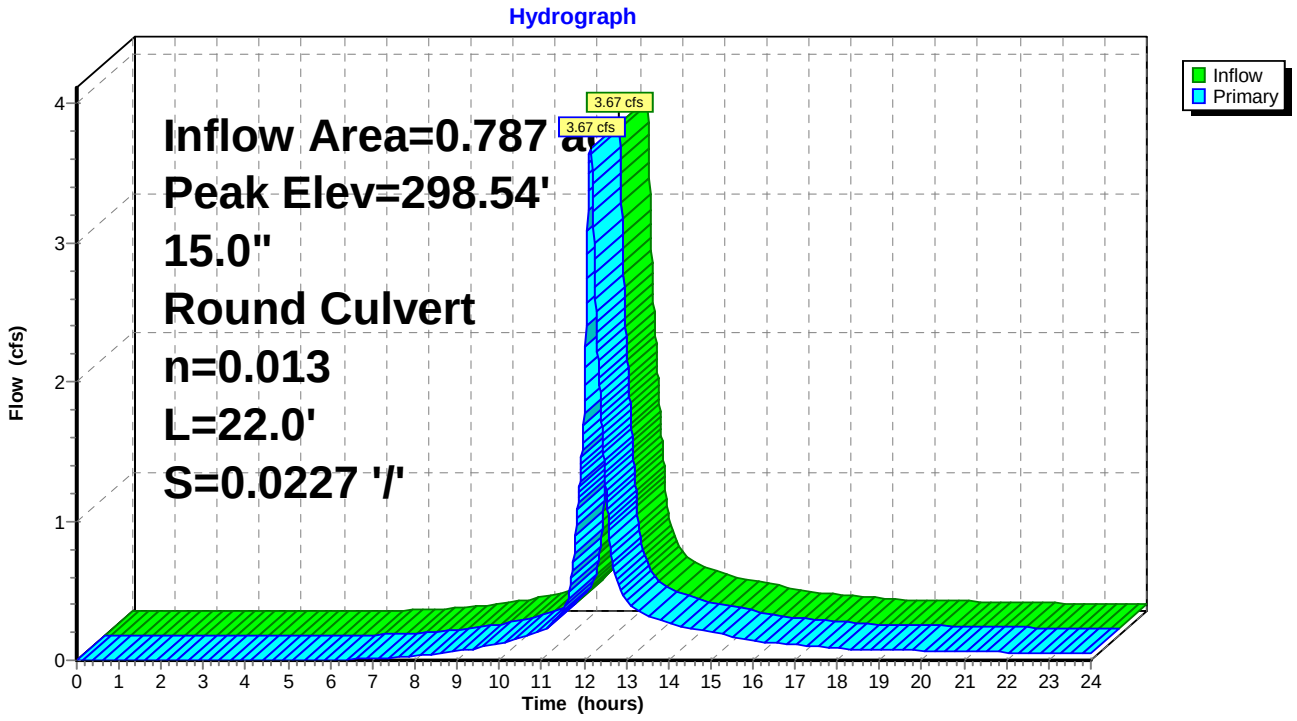
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 3.67 cfs @ 12.15 hrs, Volume= 0.315 af
Outflow = 3.67 cfs @ 12.15 hrs, Volume= 0.315 af, Atten= 0%, Lag= 0.0 min
Primary = 3.67 cfs @ 12.15 hrs, Volume= 0.315 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.54' @ 12.15 hrs
Flood Elev= 299.00'

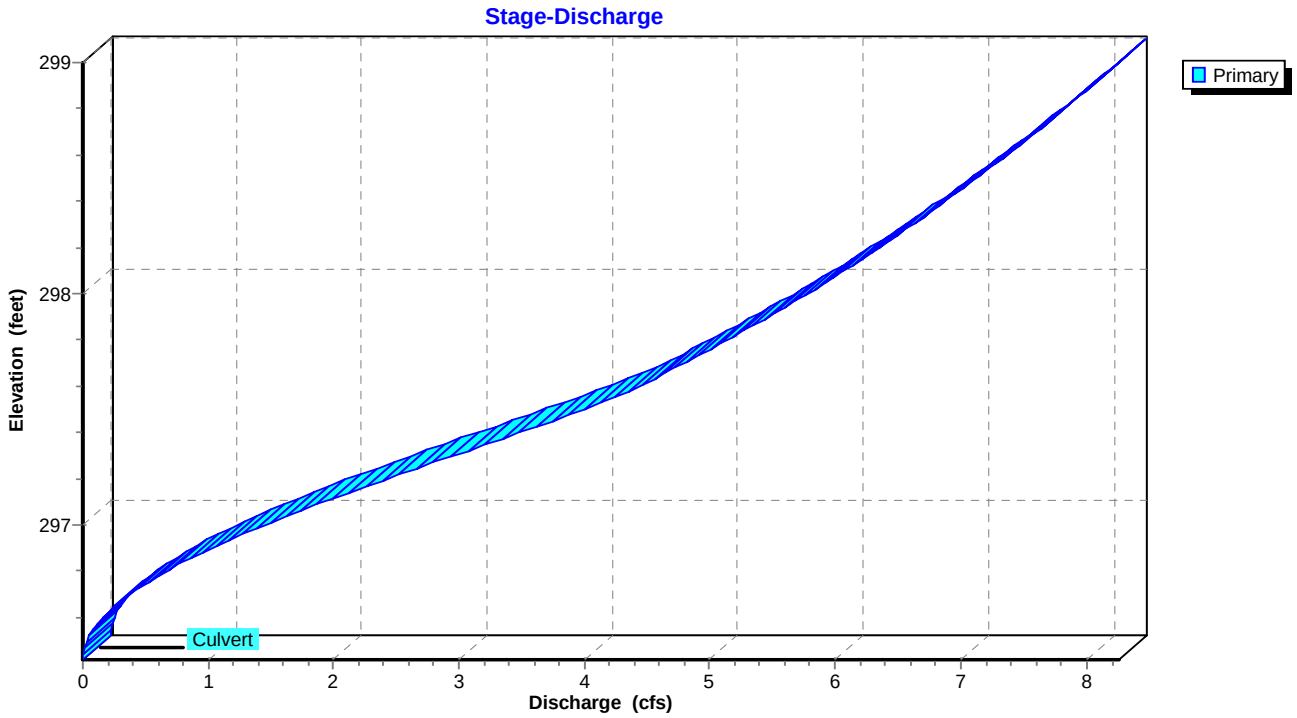
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.72 cfs @ 12.15 hrs HW=298.54' TW=298.14' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.72 cfs @ 3.03 fps)

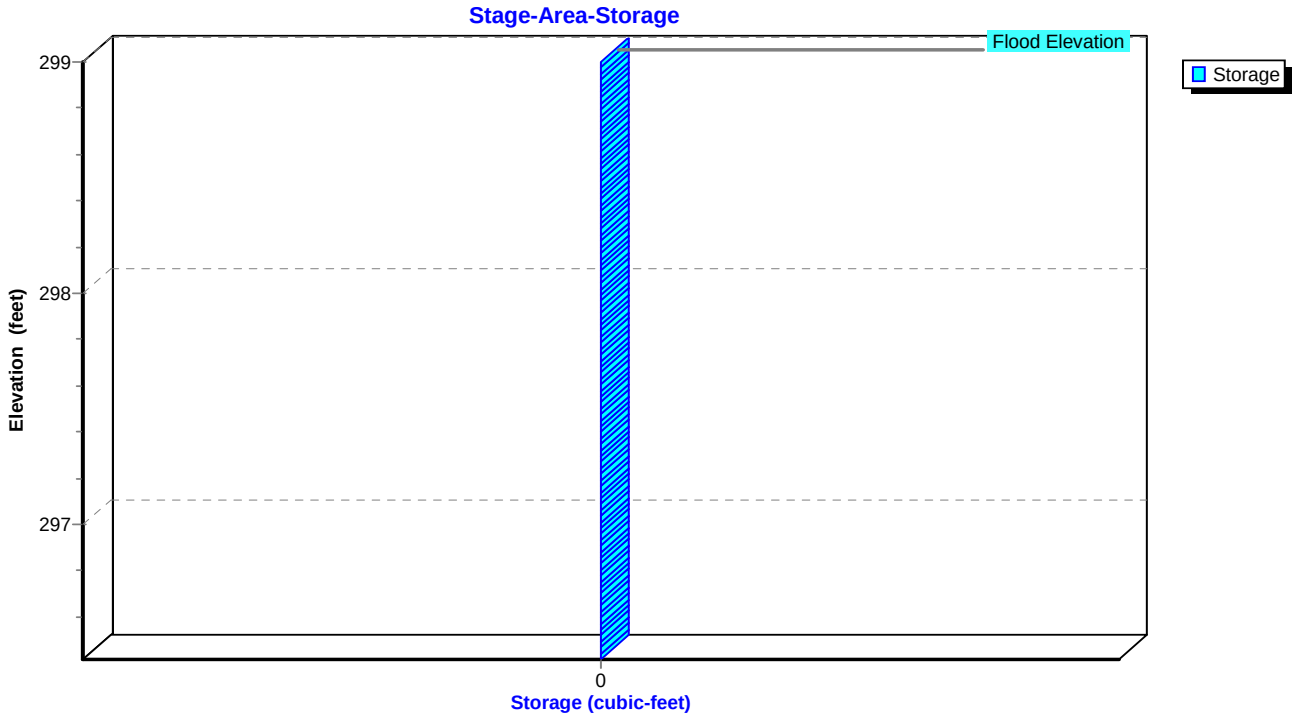
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.44	0.00
6.50	0.01	296.45	0.01
7.00	0.01	296.47	0.01
7.50	0.02	296.48	0.02
8.00	0.03	296.50	0.03
8.50	0.04	296.51	0.04
9.00	0.06	296.53	0.06
9.50	0.09	296.55	0.09
10.00	0.12	296.57	0.12
10.50	0.16	296.60	0.16
11.00	0.21	296.63	0.21
11.50	0.36	296.69	0.36
12.00	**1.77**	**297.07**	**1.77**
12.50	**1.35**	**296.98**	**1.35**
13.00	0.44	296.73	0.44
13.50	0.32	296.68	0.32
14.00	0.27	296.66	0.27
14.50	0.23	296.64	0.23
15.00	0.20	296.62	0.20
15.50	0.17	296.61	0.17
16.00	0.14	296.59	0.14
16.50	0.12	296.58	0.12
17.00	0.11	296.57	0.11
17.50	0.10	296.56	0.10
18.00	0.09	296.55	0.09
18.50	0.08	296.55	0.08
19.00	0.08	296.54	0.08
19.50	0.07	296.54	0.07
20.00	0.07	296.54	0.07
20.50	0.07	296.53	0.07
21.00	0.06	296.53	0.06
21.50	0.06	296.53	0.06
22.00	0.06	296.53	0.06
22.50	0.05	296.52	0.05
23.00	0.05	296.52	0.05
23.50	0.05	296.52	0.05
24.00	0.04	296.52	0.04

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

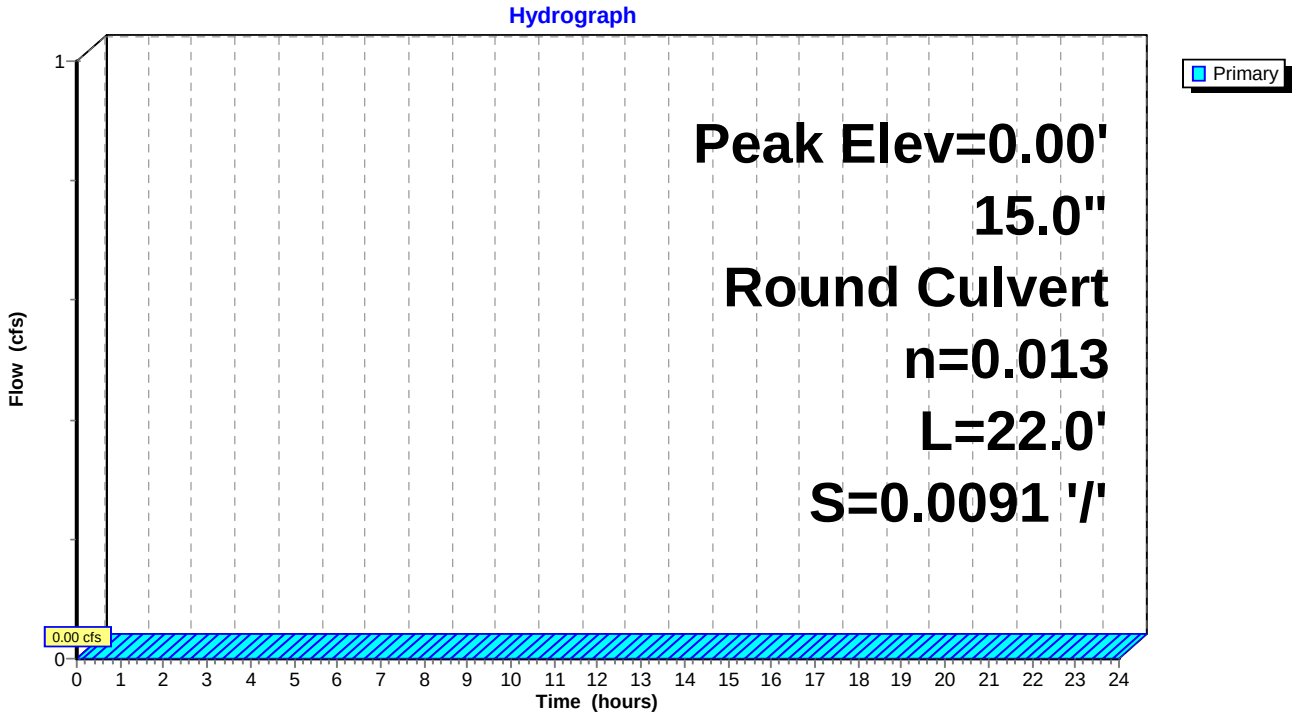
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

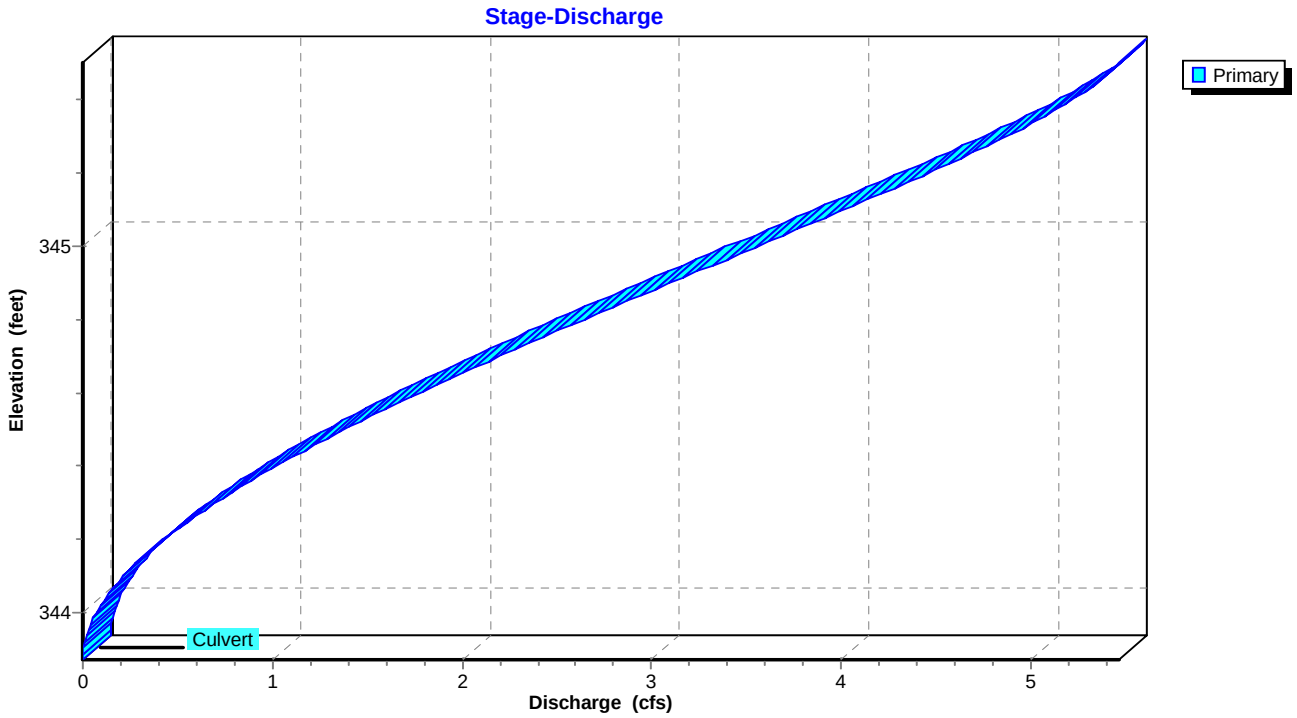
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

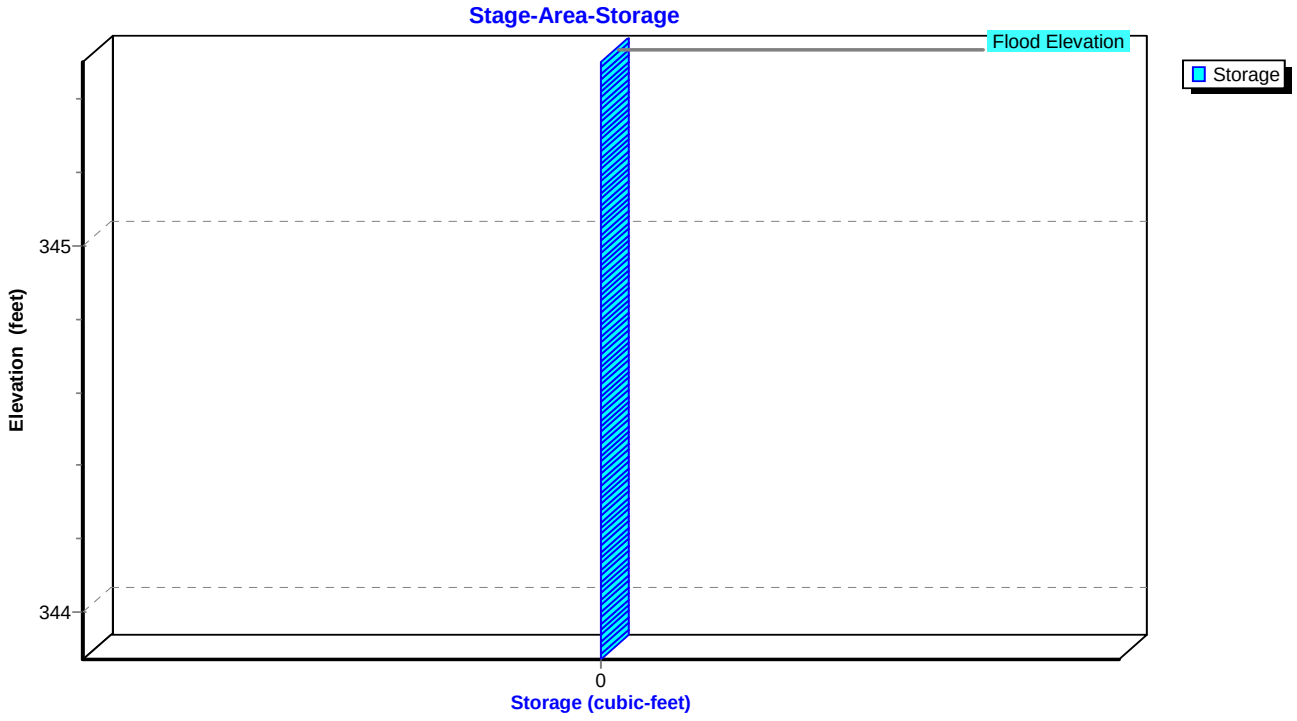
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

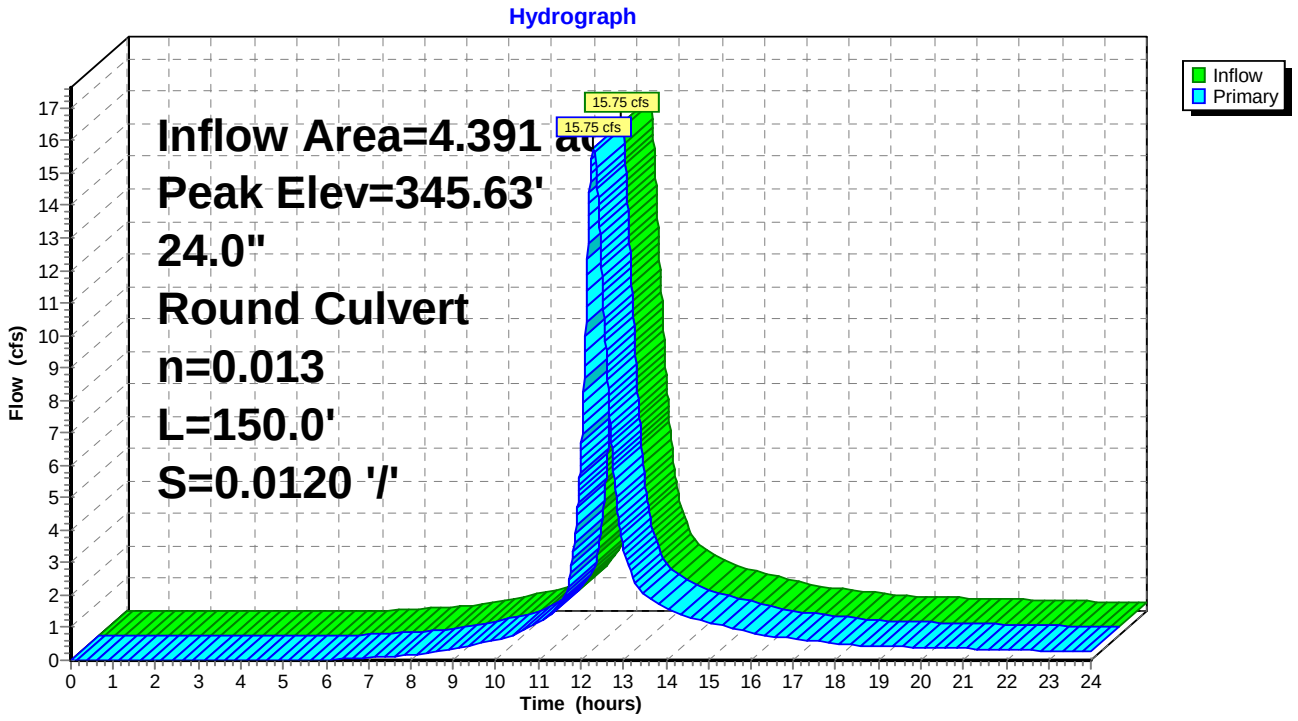
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 4.89" for 50-Year event
Inflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af
Outflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af, Atten= 0%, Lag= 0.0 min
Primary = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.63' @ 12.30 hrs
Flood Elev= 347.00'

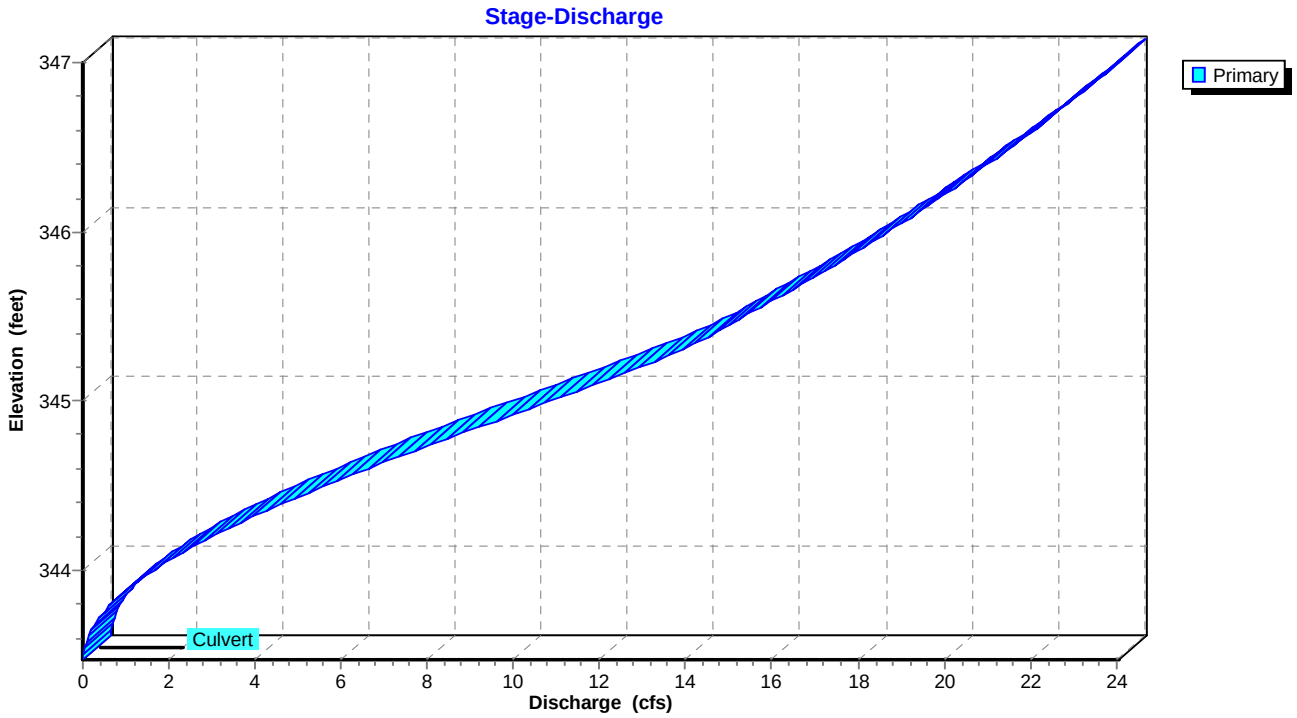
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.74 cfs @ 12.29 hrs HW=345.63' TW=344.10' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 15.74 cfs @ 5.78 fps)

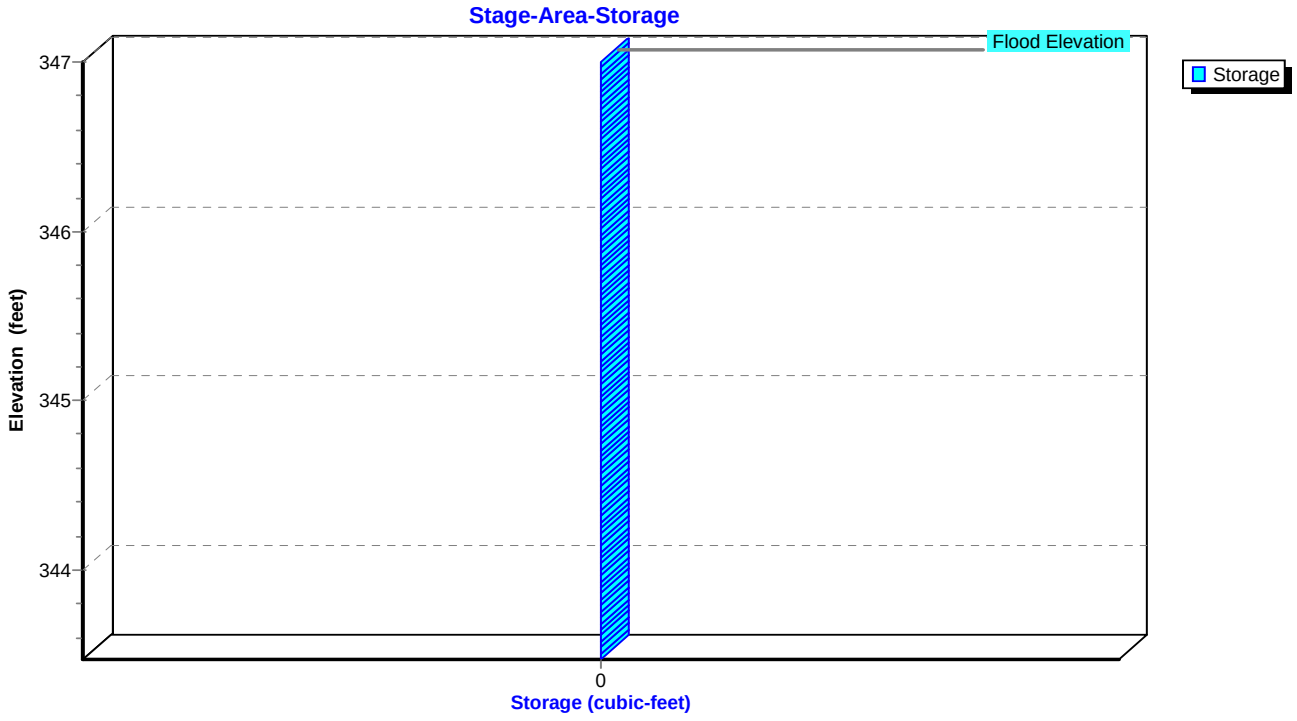
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.49	0.00
6.00	0.01	343.52	0.01
6.50	0.04	343.55	0.04
7.00	0.07	343.58	0.07
7.50	0.12	343.61	0.12
8.00	0.17	343.63	0.17
8.50	0.24	343.67	0.24
9.00	0.35	343.71	0.35
9.50	0.48	343.75	0.48
10.00	0.63	343.79	0.63
10.50	0.84	343.84	0.84
11.00	1.14	343.91	1.14
11.50	1.73	344.01	1.73
12.00	**6.22**	**344.56**	**6.22**
12.50	**11.81**	**345.09**	**11.81**
13.00	3.48	344.26	3.48
13.50	2.01	344.06	2.01
14.00	1.62	343.99	1.62
14.50	1.35	343.95	1.35
15.00	1.18	343.91	1.18
15.50	1.02	343.88	1.02
16.00	0.86	343.85	0.86
16.50	0.73	343.82	0.73
17.00	0.65	343.80	0.65
17.50	0.58	343.78	0.58
18.00	0.51	343.76	0.51
18.50	0.46	343.74	0.46
19.00	0.43	343.74	0.43
19.50	0.41	343.73	0.41
20.00	0.39	343.72	0.39
20.50	0.37	343.72	0.37
21.00	0.35	343.71	0.35
21.50	0.34	343.70	0.34
22.00	0.32	343.70	0.32
22.50	0.31	343.69	0.31
23.00	0.29	343.69	0.29
23.50	0.27	343.68	0.27
24.00	0.26	343.67	0.26

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

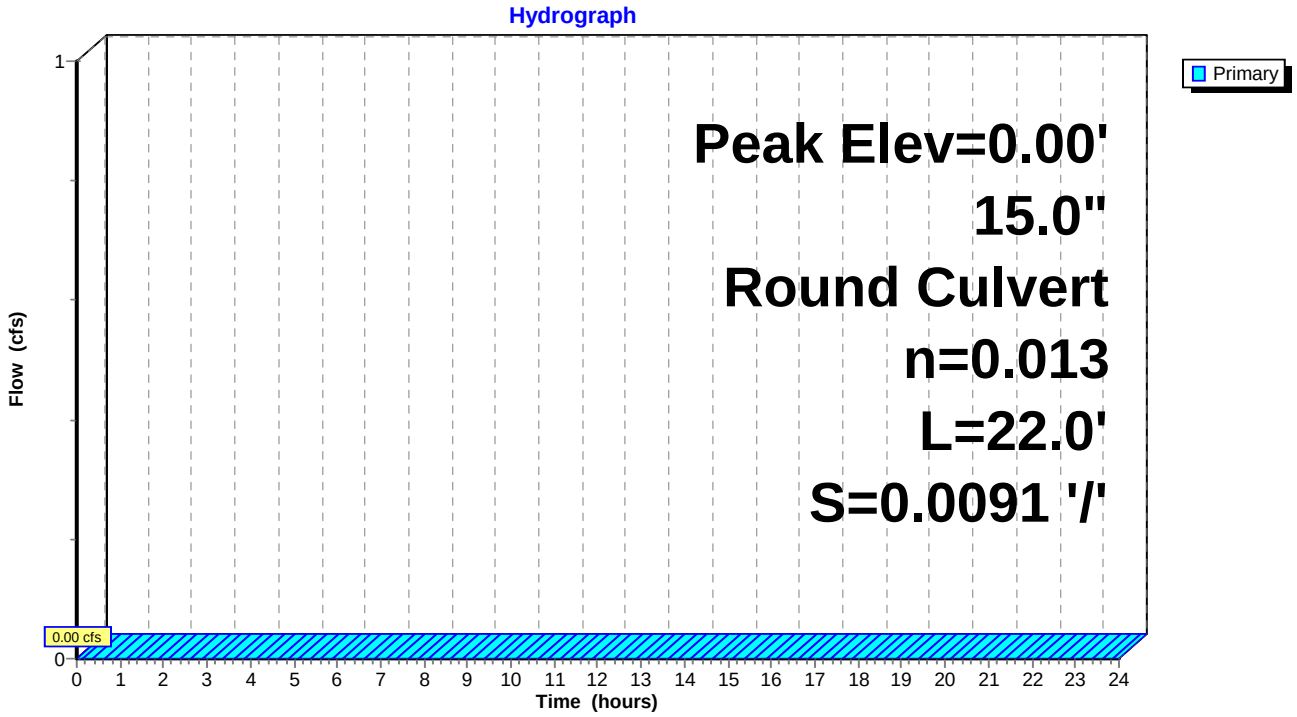
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

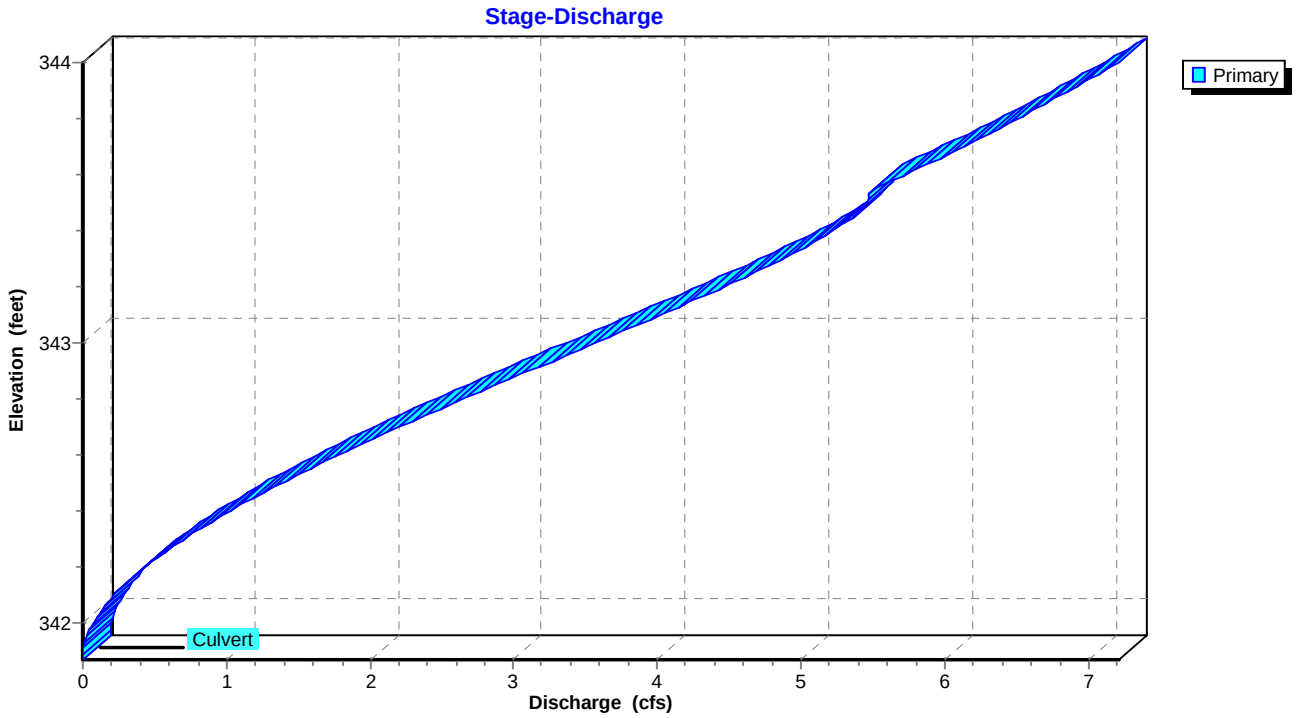
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

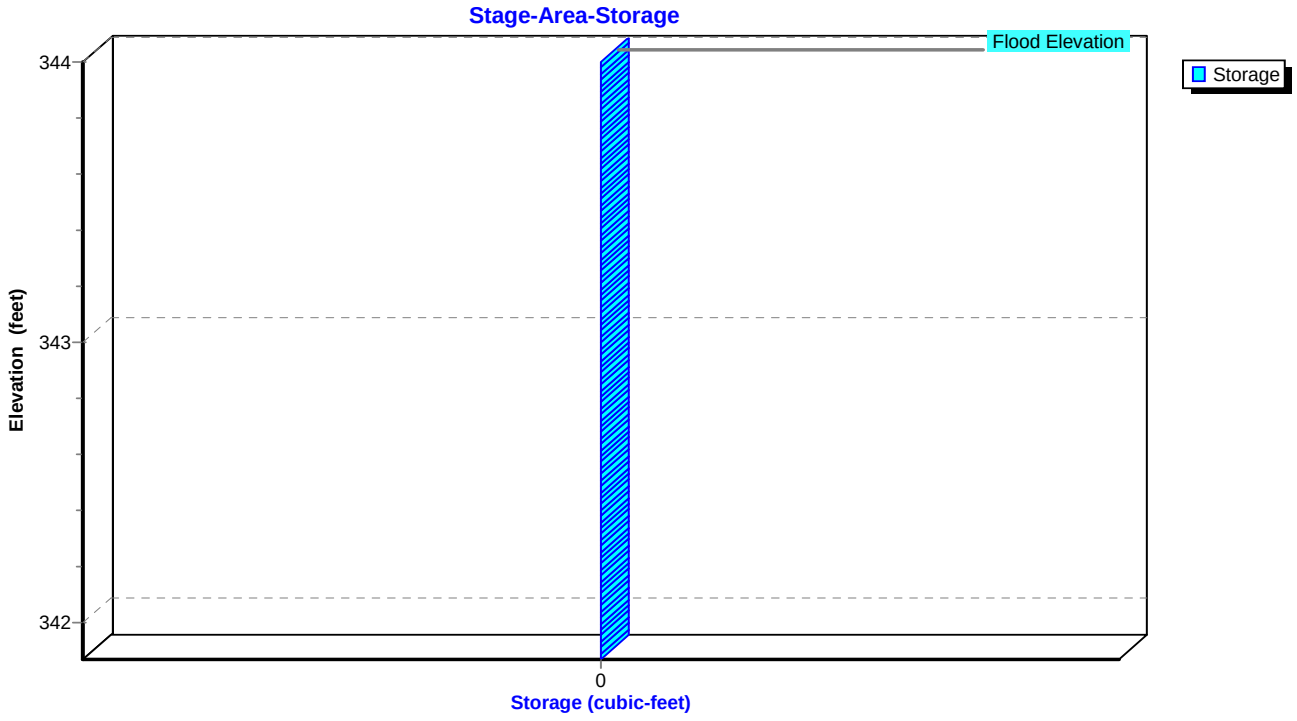
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

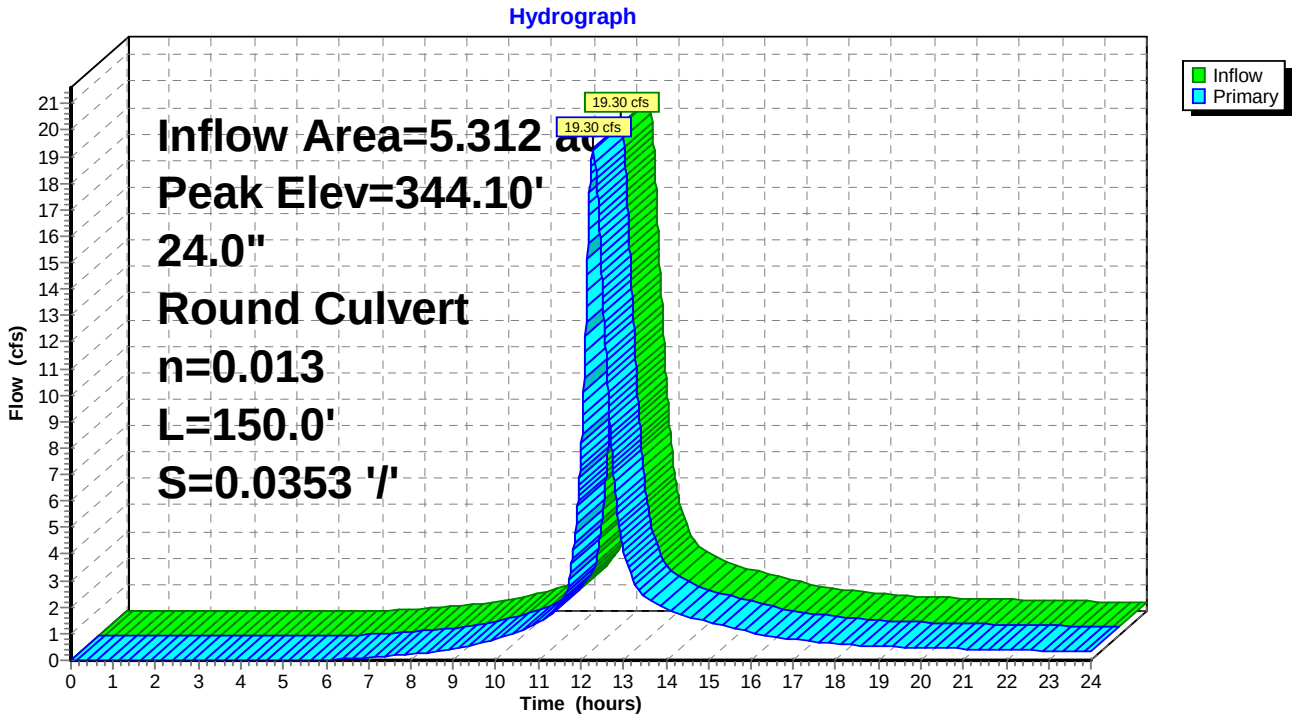
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.93" for 50-Year event
Inflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af
Outflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af, Atten= 0%, Lag= 0.0 min
Primary = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.10' @ 12.29 hrs
Flood Elev= 345.00'

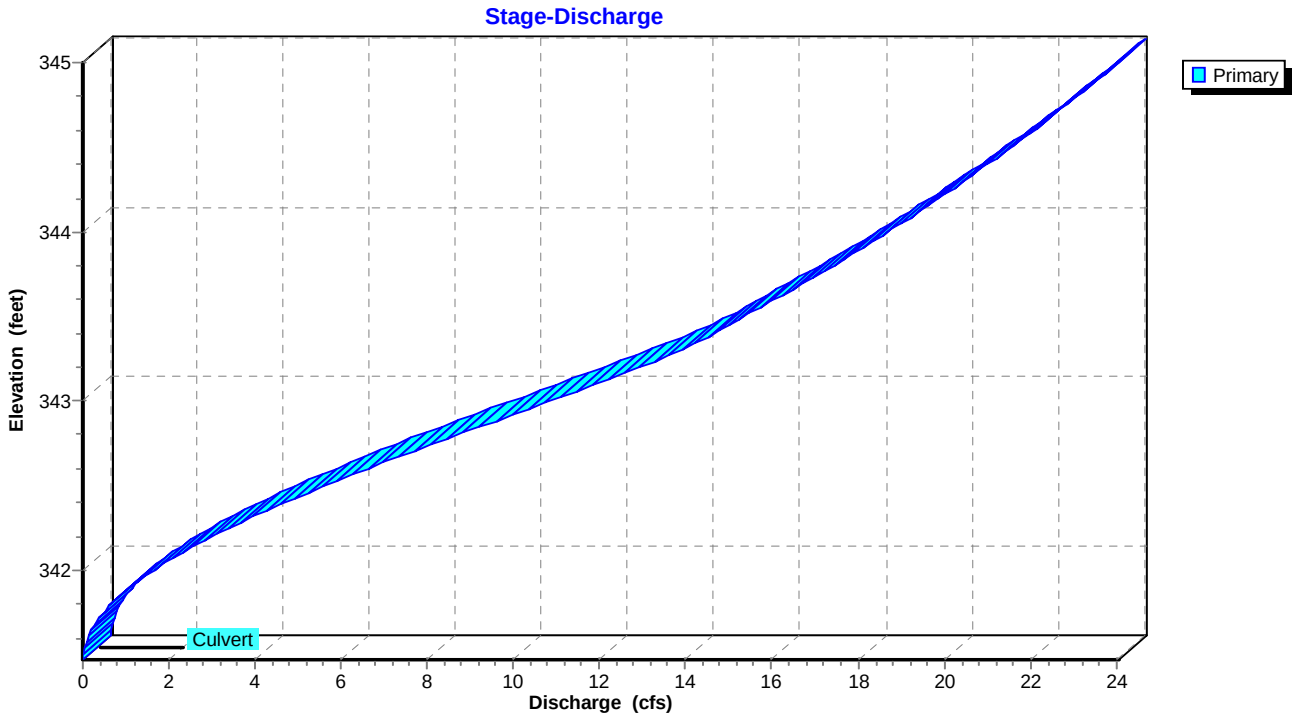
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=19.30 cfs @ 12.29 hrs HW=344.10' TW=338.78' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 19.30 cfs @ 6.14 fps)

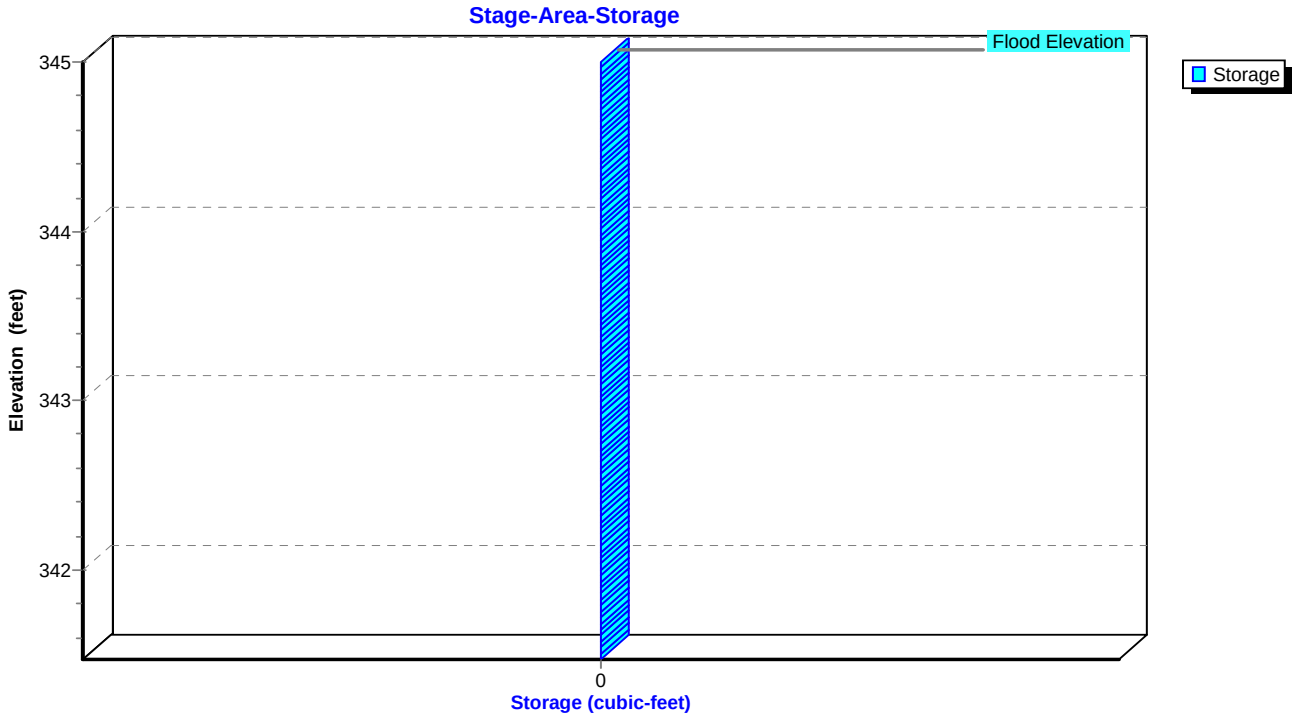
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.50	0.00
6.00	0.02	341.53	0.02
6.50	0.05	341.56	0.05
7.00	0.10	341.59	0.10
7.50	0.15	341.62	0.15
8.00	0.22	341.66	0.22
8.50	0.30	341.69	0.30
9.00	0.44	341.74	0.44
9.50	0.60	341.78	0.60
10.00	0.78	341.83	0.78
10.50	1.03	341.88	1.03
11.00	1.40	341.96	1.40
11.50	2.13	342.08	2.13
12.00	**7.63**	**342.70**	**7.63**
12.50	**14.33**	**343.35**	**14.33**
13.00	4.19	342.34	4.19
13.50	2.43	342.12	2.43
14.00	1.96	342.05	1.96
14.50	1.63	342.00	1.63
15.00	1.43	341.96	1.43
15.50	1.24	341.93	1.24
16.00	1.04	341.89	1.04
16.50	0.88	341.85	0.88
17.00	0.79	341.83	0.79
17.50	0.70	341.81	0.70
18.00	0.62	341.79	0.62
18.50	0.55	341.77	0.55
19.00	0.53	341.76	0.53
19.50	0.50	341.76	0.50
20.00	0.47	341.75	0.47
20.50	0.45	341.74	0.45
21.00	0.43	341.73	0.43
21.50	0.41	341.73	0.41
22.00	0.39	341.72	0.39
22.50	0.37	341.72	0.37
23.00	0.35	341.71	0.35
23.50	0.33	341.70	0.33
24.00	0.31	341.69	0.31

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

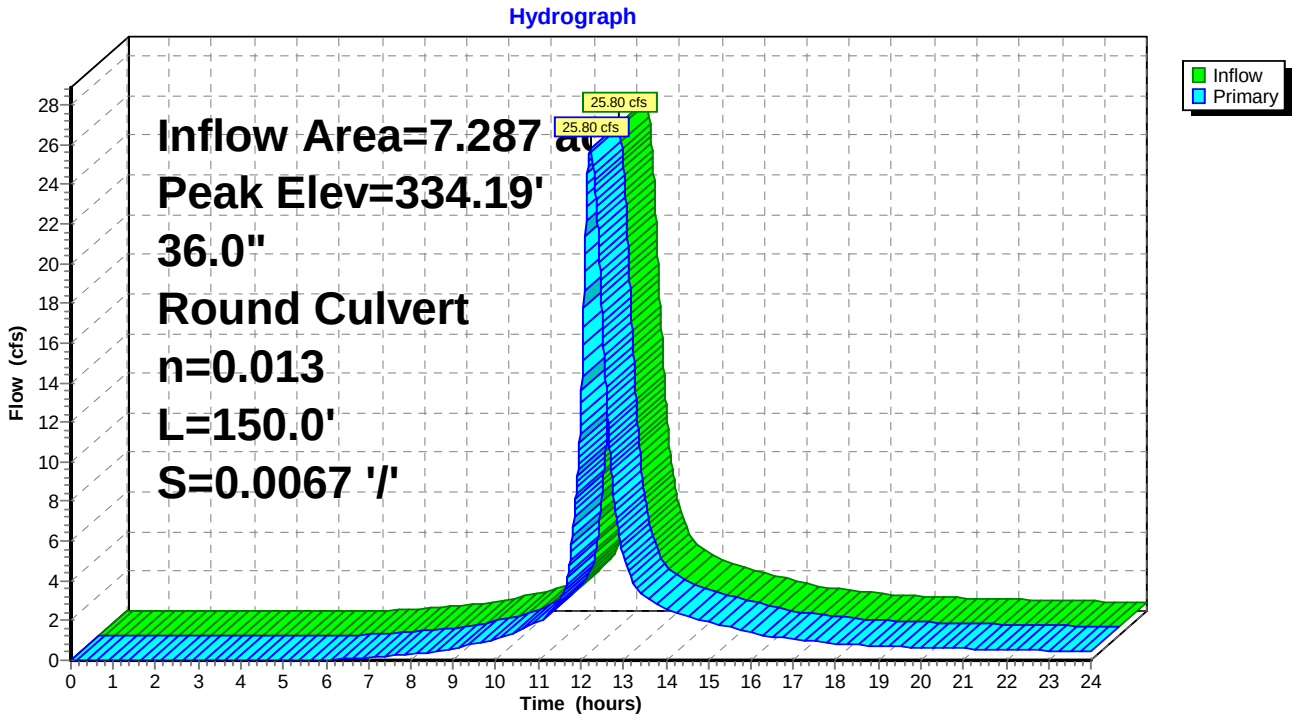
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.19' @ 12.23 hrs
Flood Elev= 337.75'

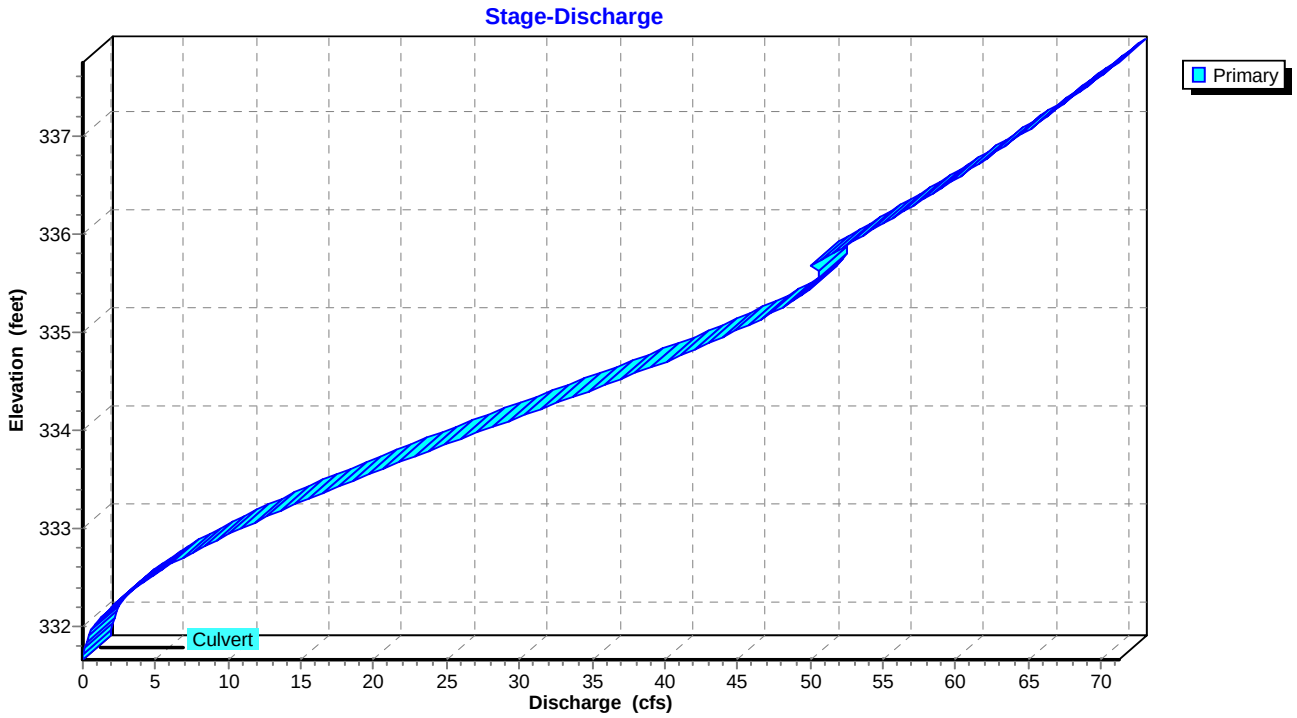
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.82 cfs @ 12.23 hrs HW=334.18' TW=333.04' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 25.82 cfs @ 5.52 fps)

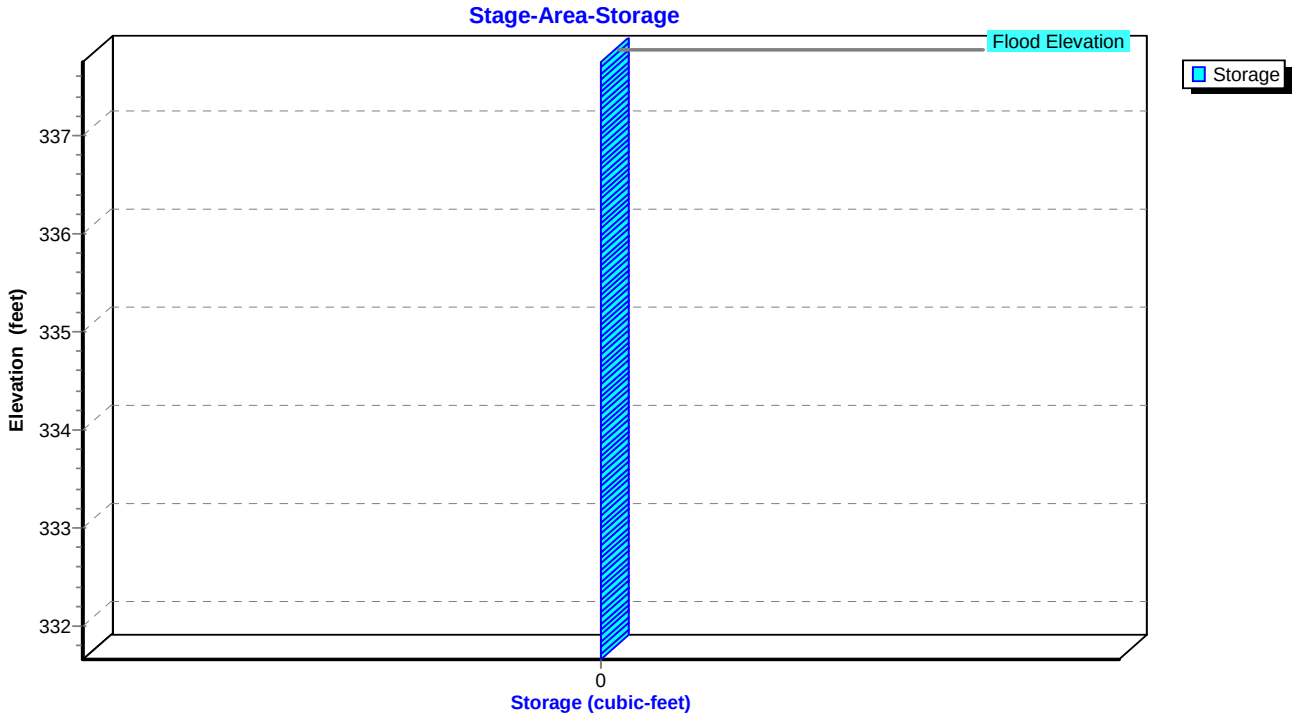
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.70	0.00
6.00	0.02	331.74	0.02
6.50	0.07	331.78	0.07
7.00	0.13	331.81	0.13
7.50	0.20	331.85	0.20
8.00	0.29	331.88	0.29
8.50	0.42	331.92	0.42
9.00	0.60	331.97	0.60
9.50	0.82	332.02	0.82
10.00	1.07	332.07	1.07
10.50	1.44	332.13	1.44
11.00	1.95	332.21	1.95
11.50	3.04	332.34	3.04
12.00	**12.38**	**333.18**	**12.38**
12.50	**17.50**	**333.55**	**17.50**
13.00	5.28	332.57	5.28
13.50	3.24	332.37	3.24
14.00	2.62	332.29	2.62
14.50	2.20	332.24	2.20
15.00	1.93	332.20	1.93
15.50	1.66	332.17	1.66
16.00	1.39	332.12	1.39
16.50	1.19	332.09	1.19
17.00	1.07	332.07	1.07
17.50	0.95	332.05	0.95
18.00	0.83	332.02	0.83
18.50	0.75	332.01	0.75
19.00	0.71	332.00	0.71
19.50	0.68	331.99	0.68
20.00	0.64	331.98	0.64
20.50	0.61	331.97	0.61
21.00	0.59	331.97	0.59
21.50	0.56	331.96	0.56
22.00	0.53	331.95	0.53
22.50	0.51	331.95	0.51
23.00	0.48	331.94	0.48
23.50	0.45	331.93	0.45
24.00	0.43	331.92	0.43

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

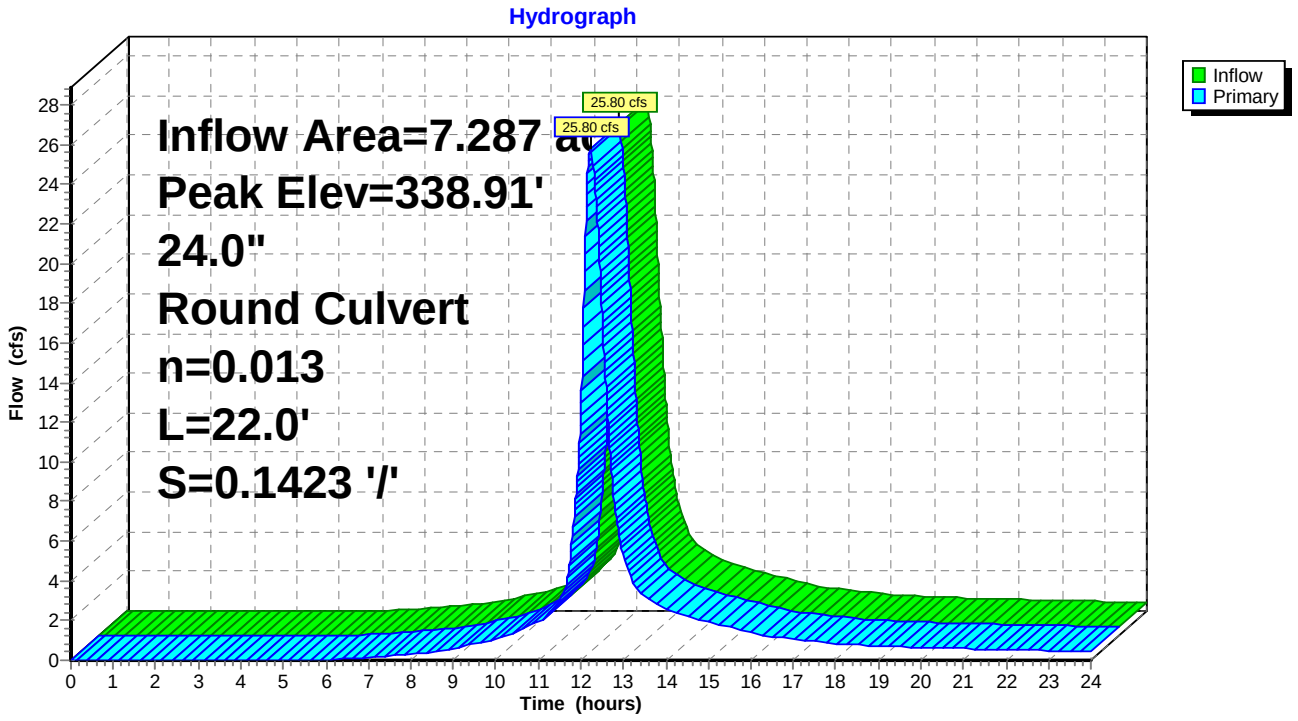
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 338.91' @ 12.23 hrs
Flood Elev= 339.50'

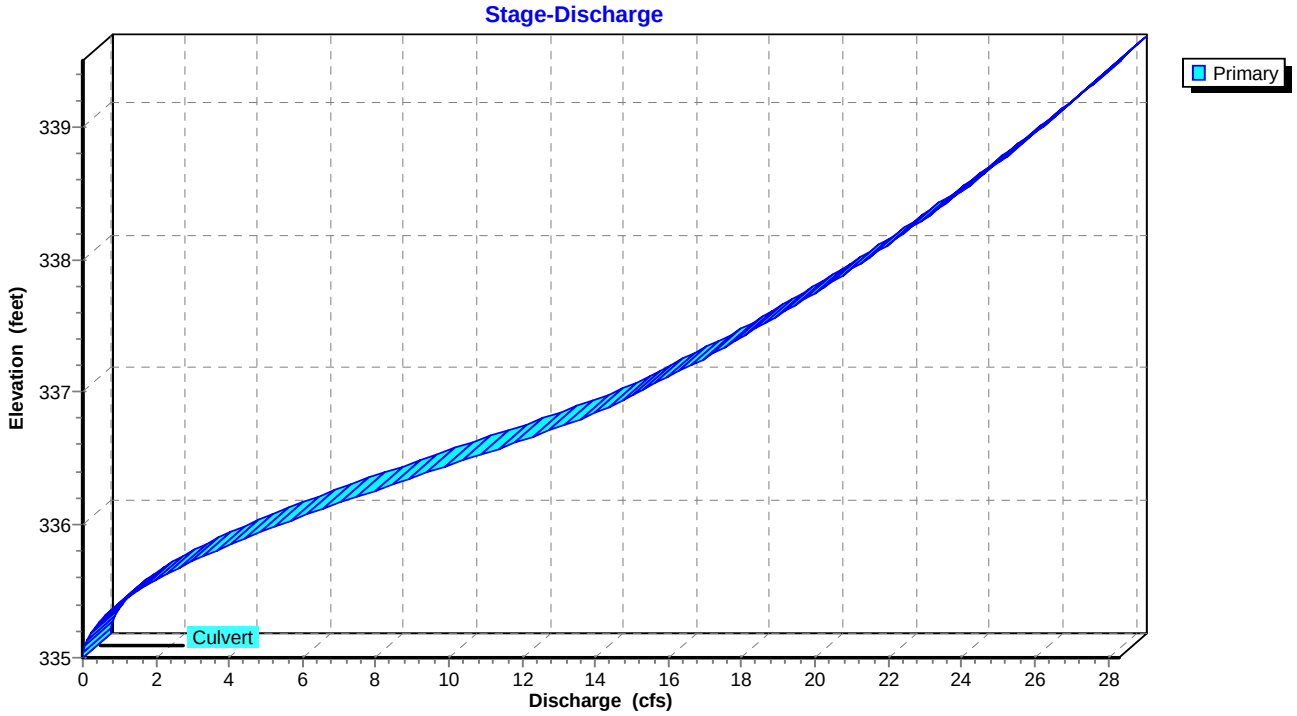
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=25.80 cfs @ 12.23 hrs HW=338.91' TW=334.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 25.80 cfs @ 8.21 fps)

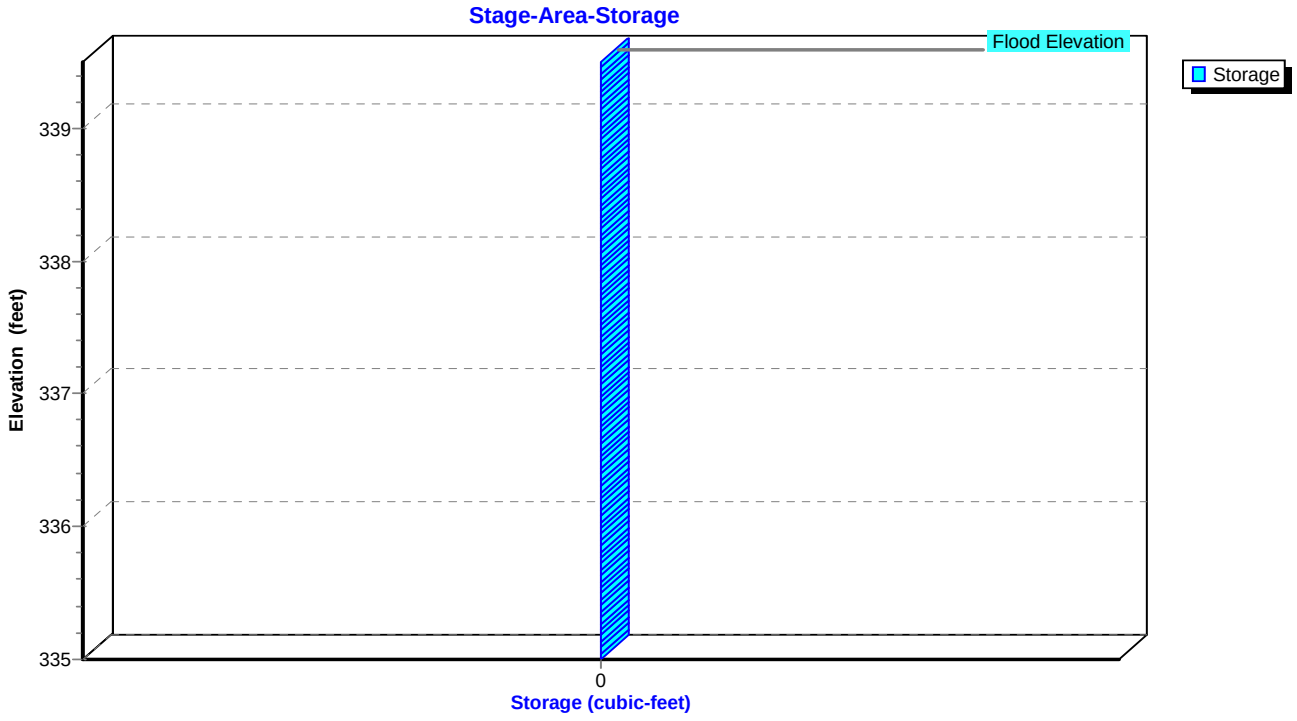
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.03	0.00
6.00	0.02	335.06	0.02
6.50	0.07	335.10	0.07
7.00	0.13	335.14	0.13
7.50	0.20	335.18	0.20
8.00	0.29	335.22	0.29
8.50	0.42	335.26	0.42
9.00	0.60	335.31	0.60
9.50	0.82	335.37	0.82
10.00	1.07	335.42	1.07
10.50	1.44	335.49	1.44
11.00	1.95	335.58	1.95
11.50	3.04	335.73	3.04
12.00	**12.38**	**336.68**	**12.38**
12.50	**17.50**	**337.34**	**17.50**
13.00	5.28	335.99	5.28
13.50	3.24	335.76	3.24
14.00	2.62	335.68	2.62
14.50	2.20	335.62	2.20
15.00	1.93	335.58	1.93
15.50	1.66	335.53	1.66
16.00	1.39	335.48	1.39
16.50	1.19	335.45	1.19
17.00	1.07	335.42	1.07
17.50	0.95	335.40	0.95
18.00	0.83	335.37	0.83
18.50	0.75	335.35	0.75
19.00	0.71	335.34	0.71
19.50	0.68	335.33	0.68
20.00	0.64	335.33	0.64
20.50	0.61	335.32	0.61
21.00	0.59	335.31	0.59
21.50	0.56	335.30	0.56
22.00	0.53	335.29	0.53
22.50	0.51	335.29	0.51
23.00	0.48	335.28	0.48
23.50	0.45	335.27	0.45
24.00	0.43	335.26	0.43

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

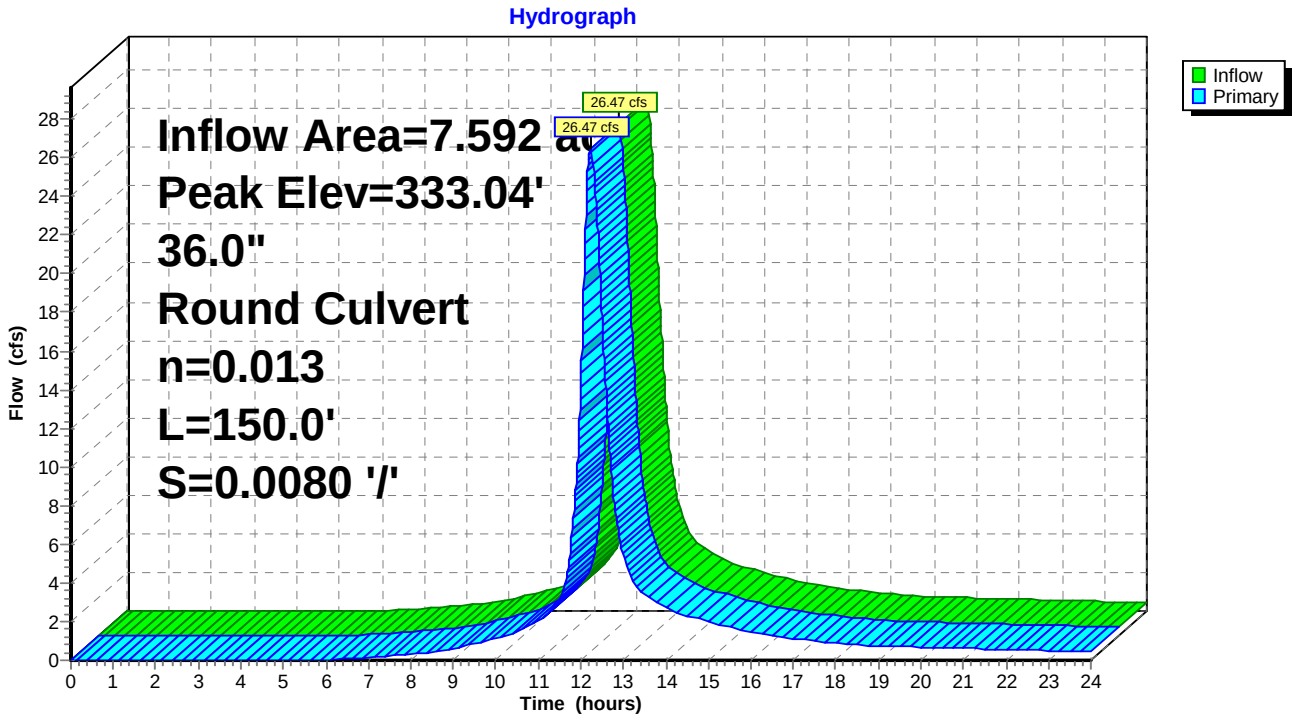
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 4.88" for 50-Year event
Inflow = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af
Outflow = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af, Atten= 0%, Lag= 0.0 min
Primary = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.04' @ 12.22 hrs
Flood Elev= 335.00'

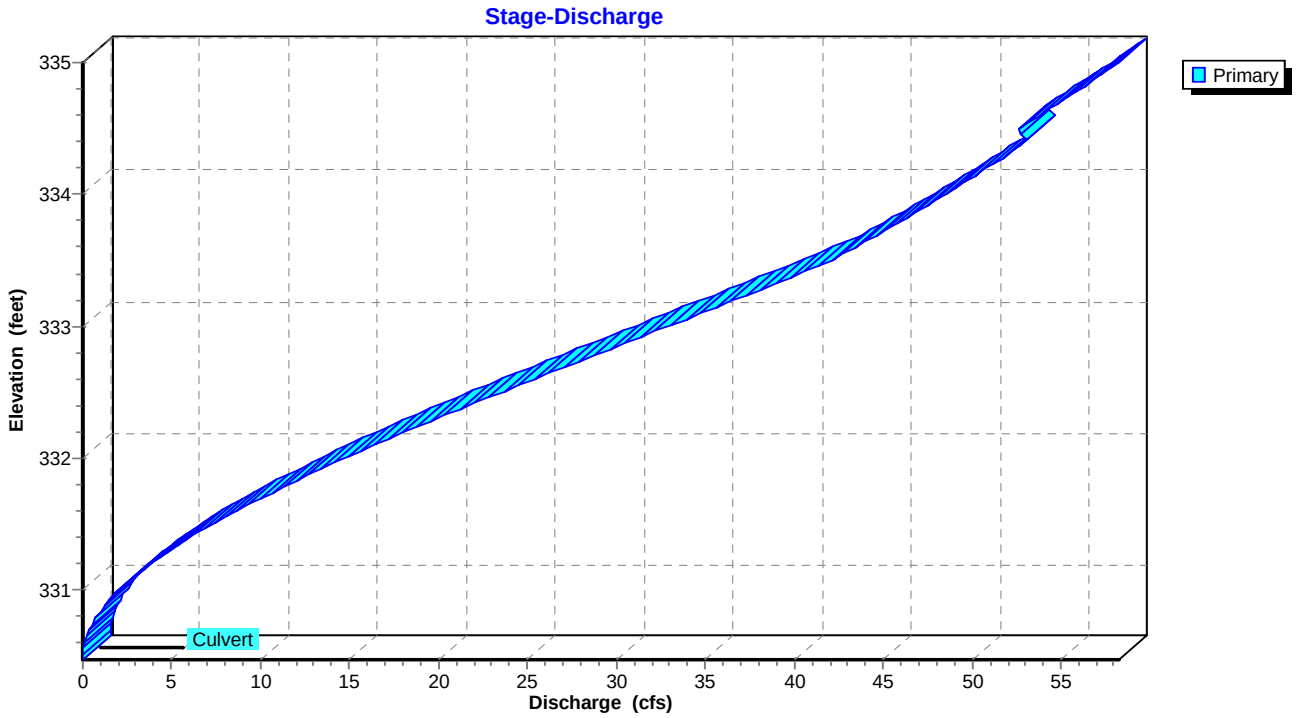
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.57 cfs @ 12.22 hrs HW=333.04' TW=331.90' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 26.57 cfs @ 5.53 fps)

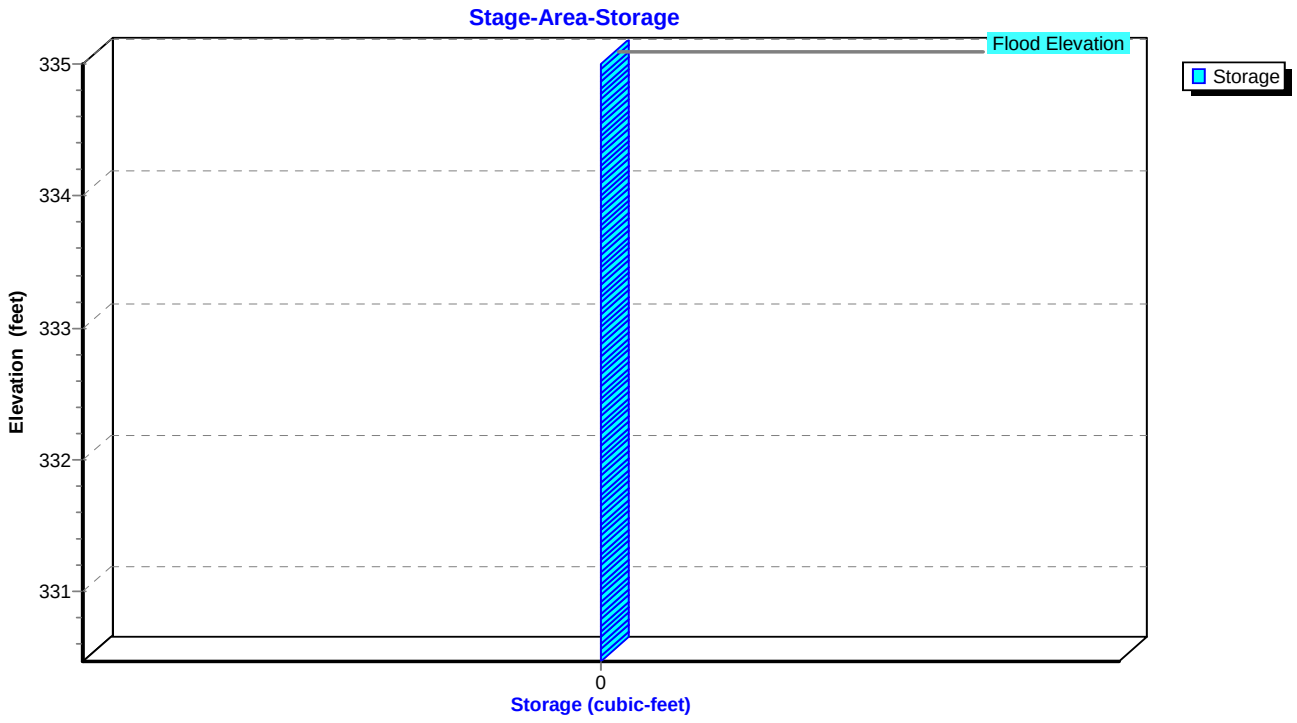
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.50	0.00
6.00	0.02	330.53	0.02
6.50	0.07	330.57	0.07
7.00	0.13	330.61	0.13
7.50	0.21	330.64	0.21
8.00	0.30	330.68	0.30
8.50	0.43	330.72	0.43
9.00	0.62	330.76	0.62
9.50	0.85	330.81	0.85
10.00	1.12	330.86	1.12
10.50	1.50	330.92	1.50
11.00	2.03	331.00	2.03
11.50	3.19	331.14	3.19
12.00	**14.19**	**332.07**	**14.19**
12.50	**17.74**	**332.34**	**17.74**
13.00	5.42	331.36	5.42
13.50	3.36	331.16	3.36
14.00	2.72	331.08	2.72
14.50	2.28	331.03	2.28
15.00	2.00	330.99	2.00
15.50	1.72	330.95	1.72
16.00	1.44	330.91	1.44
16.50	1.24	330.88	1.24
17.00	1.11	330.86	1.11
17.50	0.99	330.84	0.99
18.00	0.87	330.81	0.87
18.50	0.78	330.80	0.78
19.00	0.74	330.79	0.74
19.50	0.71	330.78	0.71
20.00	0.67	330.77	0.67
20.50	0.64	330.77	0.64
21.00	0.61	330.76	0.61
21.50	0.58	330.75	0.58
22.00	0.55	330.75	0.55
22.50	0.53	330.74	0.53
23.00	0.50	330.73	0.50
23.50	0.47	330.73	0.47
24.00	0.44	330.72	0.44

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

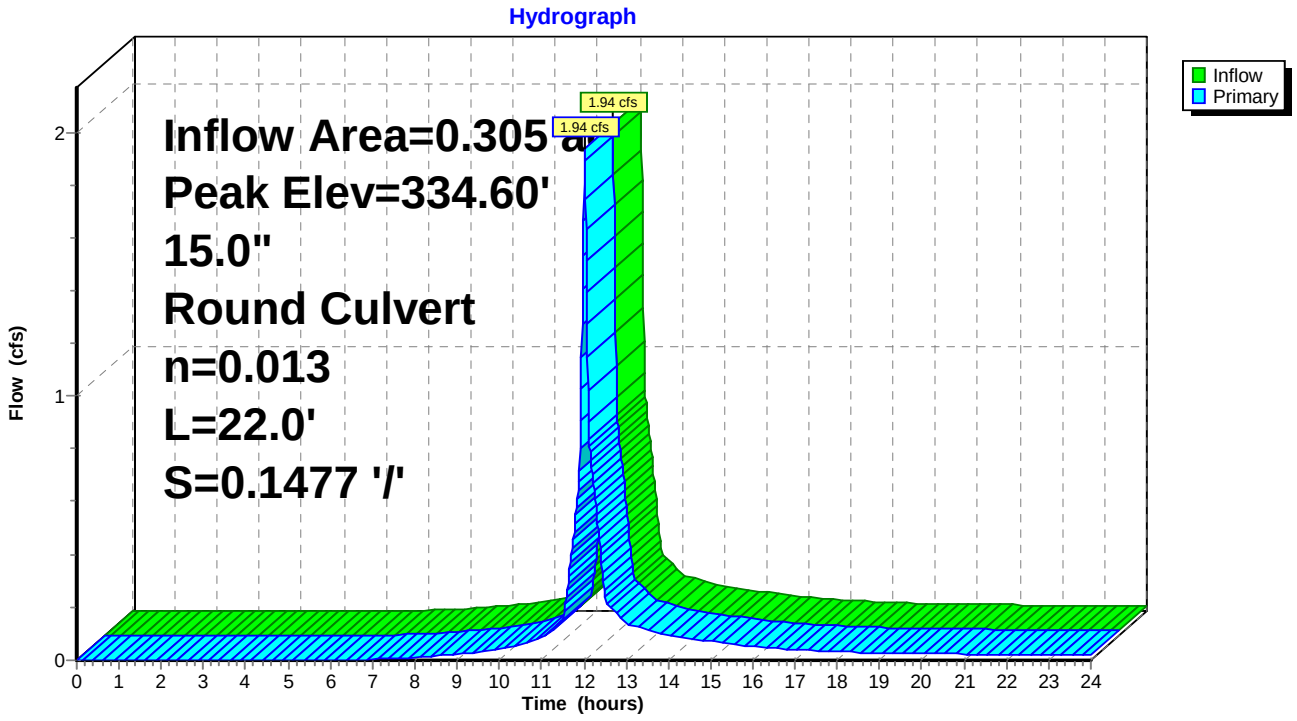
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af
Outflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af, Atten= 0%, Lag= 0.0 min
Primary = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.60' @ 12.02 hrs
Flood Elev= 336.50'

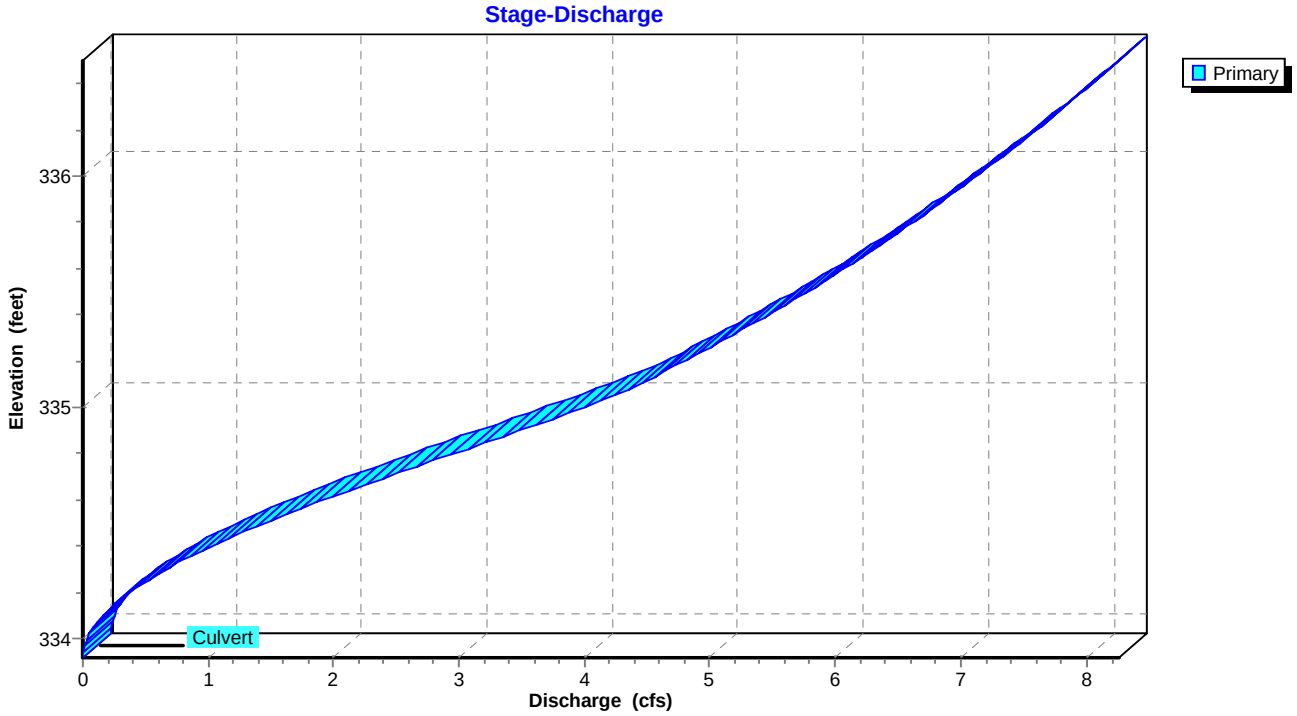
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.93 cfs @ 12.02 hrs HW=334.60' TW=332.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.93 cfs @ 2.81 fps)

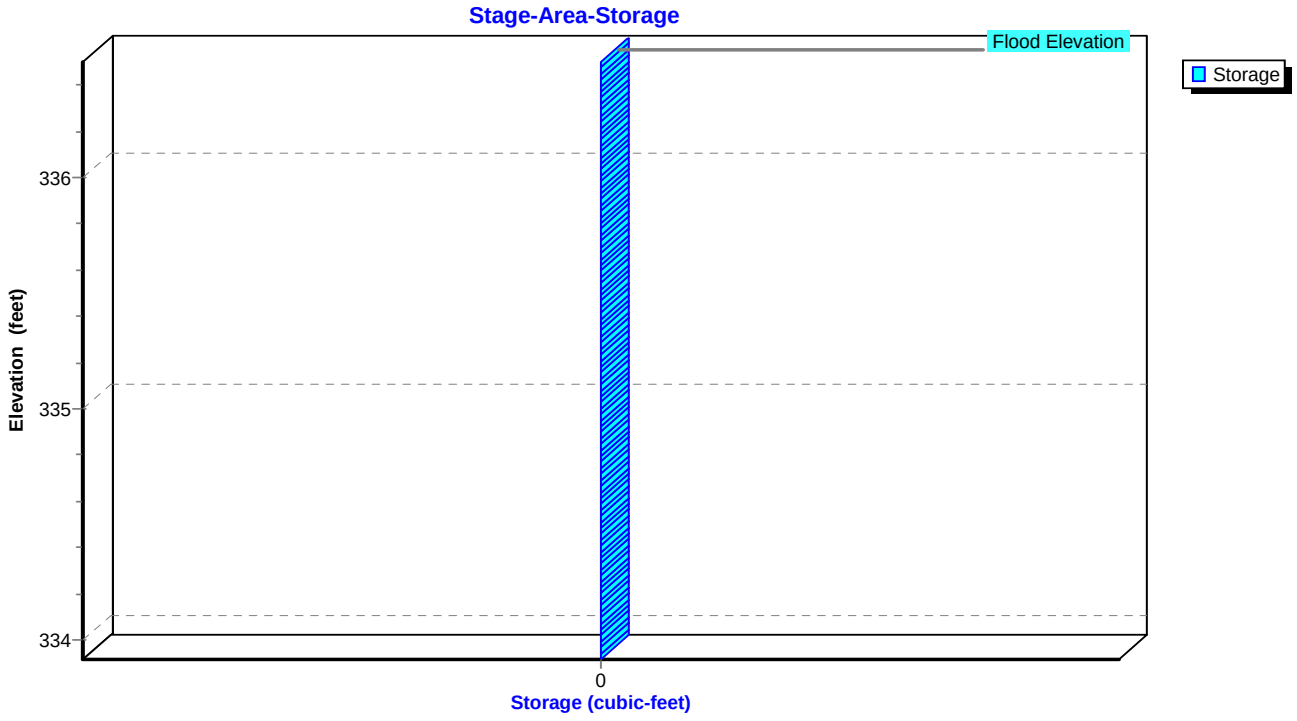
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.93	0.00
7.00	0.00	333.95	0.00
7.50	0.01	333.95	0.01
8.00	0.01	333.96	0.01
8.50	0.02	333.98	0.02
9.00	0.02	333.99	0.02
9.50	0.03	334.00	0.03
10.00	0.04	334.01	0.04
10.50	0.06	334.03	0.06
11.00	0.08	334.05	0.08
11.50	0.15	334.10	0.15
12.00	**1.81**	**334.58**	**1.81**
12.50	**0.24**	**334.15**	**0.24**
13.00	0.14	334.09	0.14
13.50	0.12	334.07	0.12
14.00	0.09	334.06	0.09
14.50	0.08	334.05	0.08
15.00	0.07	334.04	0.07
15.50	0.06	334.03	0.06
16.00	0.05	334.02	0.05
16.50	0.05	334.02	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.01	0.04
18.00	0.03	334.00	0.03
18.50	0.03	334.00	0.03
19.00	0.03	334.00	0.03
19.50	0.03	333.99	0.03
20.00	0.03	333.99	0.03
20.50	0.02	333.99	0.02
21.00	0.02	333.99	0.02
21.50	0.02	333.99	0.02
22.00	0.02	333.99	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

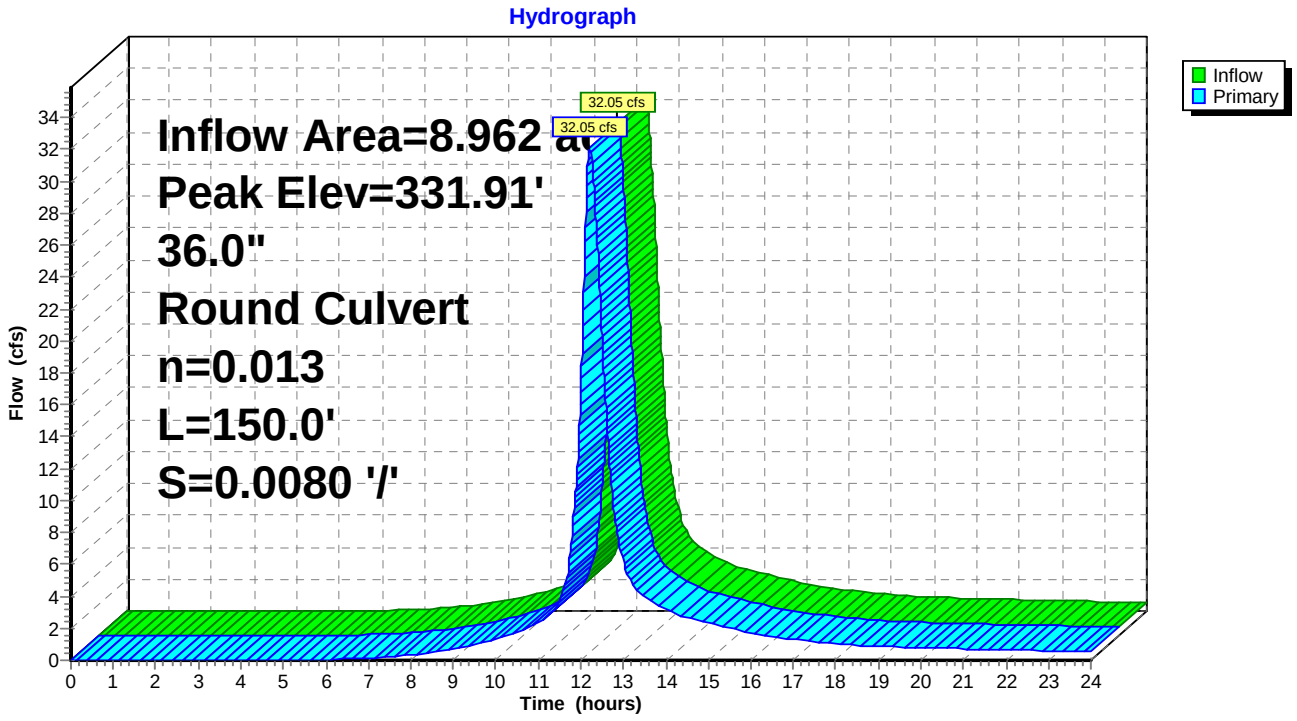
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 4.84" for 50-Year event
Inflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af
Outflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af, Atten= 0%, Lag= 0.0 min
Primary = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.91' @ 12.20 hrs
Flood Elev= 337.00'

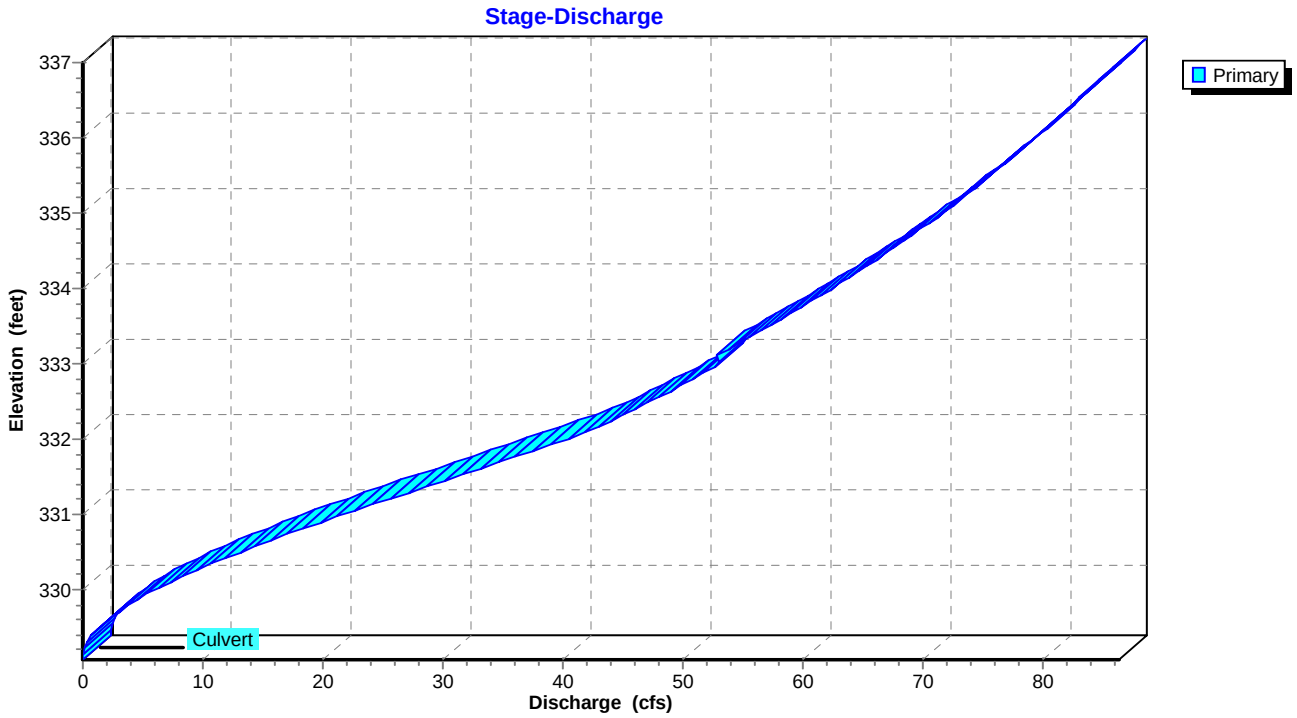
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=32.20 cfs @ 12.21 hrs HW=331.91' TW=330.59' (Dynamic Tailwater)
1=Culvert (Outlet Controls 32.20 cfs @ 6.00 fps)

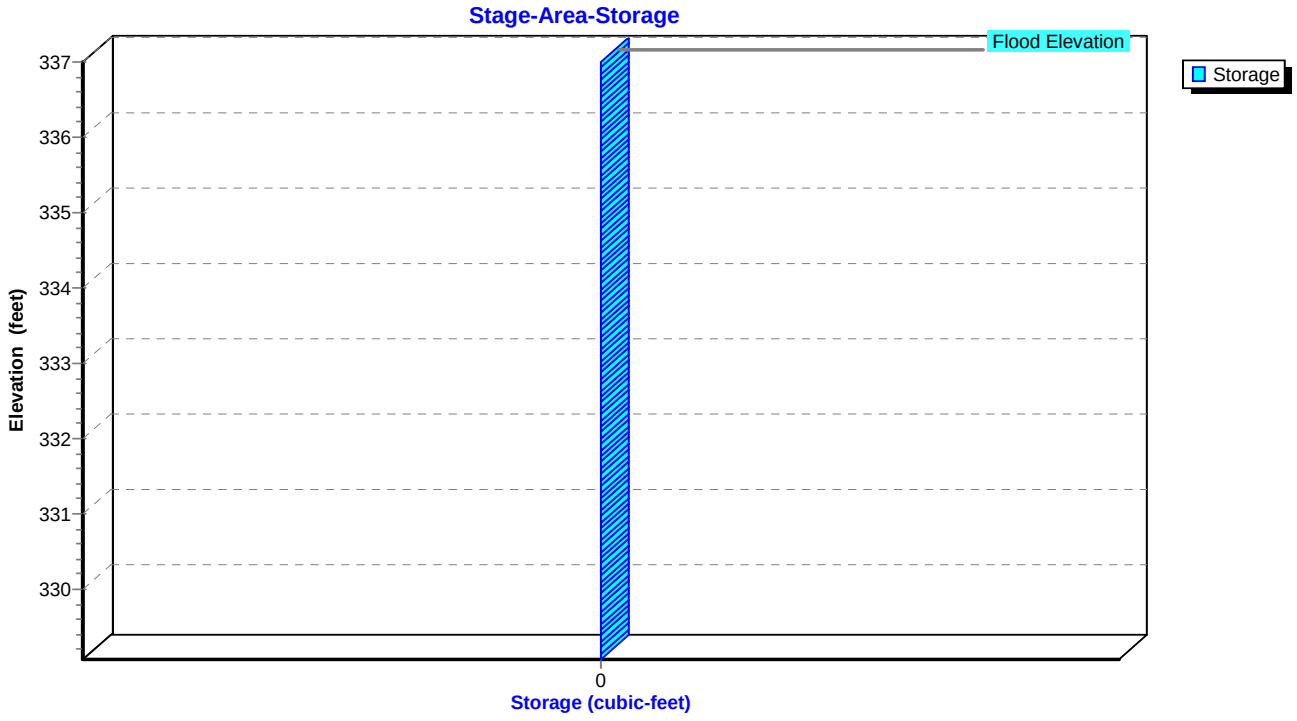
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.10	0.00
6.00	0.02	329.13	0.02
6.50	0.07	329.17	0.07
7.00	0.14	329.21	0.14
7.50	0.23	329.25	0.23
8.00	0.34	329.29	0.34
8.50	0.49	329.33	0.49
9.00	0.71	329.38	0.71
9.50	0.98	329.44	0.98
10.00	1.29	329.49	1.29
10.50	1.74	329.56	1.74
11.00	2.36	329.64	2.36
11.50	3.75	329.79	3.75
12.00	**16.82**	**330.84**	**16.82**
12.50	**20.27**	**331.07**	**20.27**
13.00	6.19	330.03	6.19
13.50	3.92	329.81	3.92
14.00	3.18	329.73	3.18
14.50	2.68	329.68	2.68
15.00	2.35	329.64	2.35
15.50	2.02	329.60	2.02
16.00	1.69	329.55	1.69
16.50	1.45	329.51	1.45
17.00	1.30	329.49	1.30
17.50	1.16	329.47	1.16
18.00	1.01	329.44	1.01
18.50	0.92	329.43	0.92
19.00	0.87	329.42	0.87
19.50	0.83	329.41	0.83
20.00	0.79	329.40	0.79
20.50	0.75	329.39	0.75
21.00	0.72	329.38	0.72
21.50	0.68	329.38	0.68
22.00	0.65	329.37	0.65
22.50	0.62	329.36	0.62
23.00	0.58	329.35	0.58
23.50	0.55	329.35	0.55
24.00	0.52	329.34	0.52

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

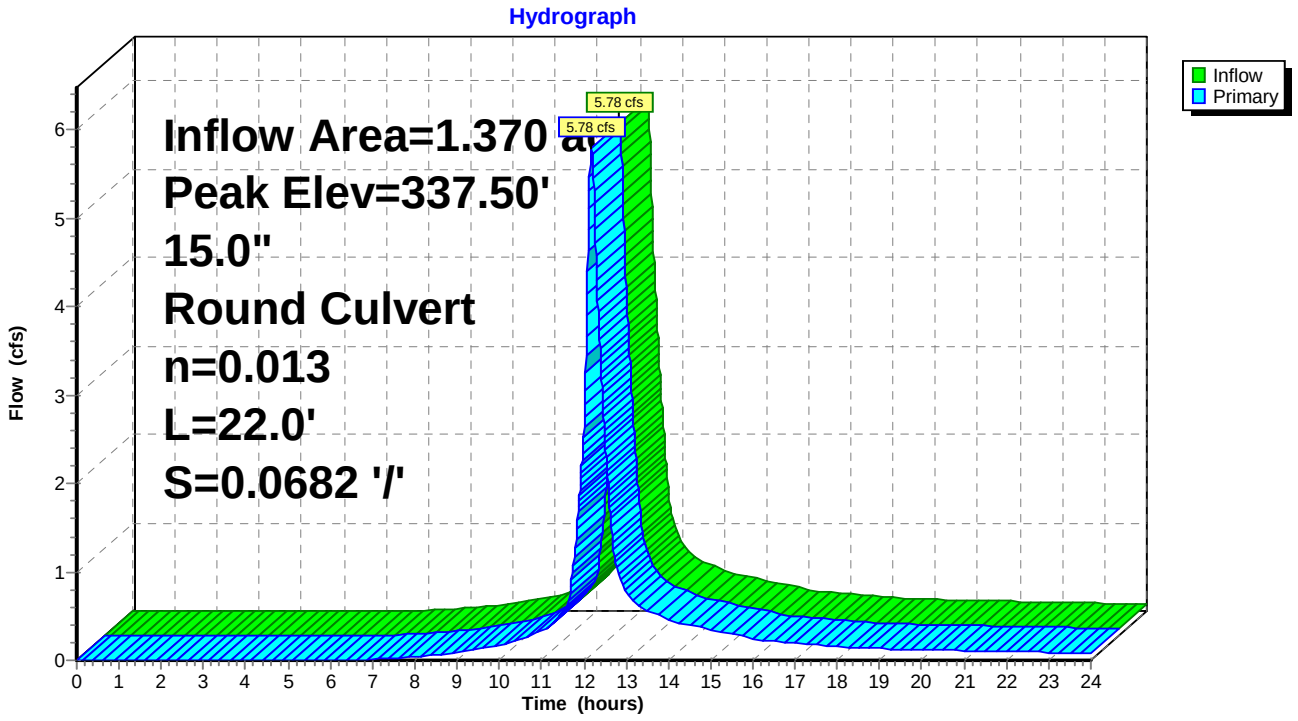
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 4.57" for 50-Year event
Inflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af
Outflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af, Atten= 0%, Lag= 0.0 min
Primary = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.50' @ 12.18 hrs
Flood Elev= 338.50'

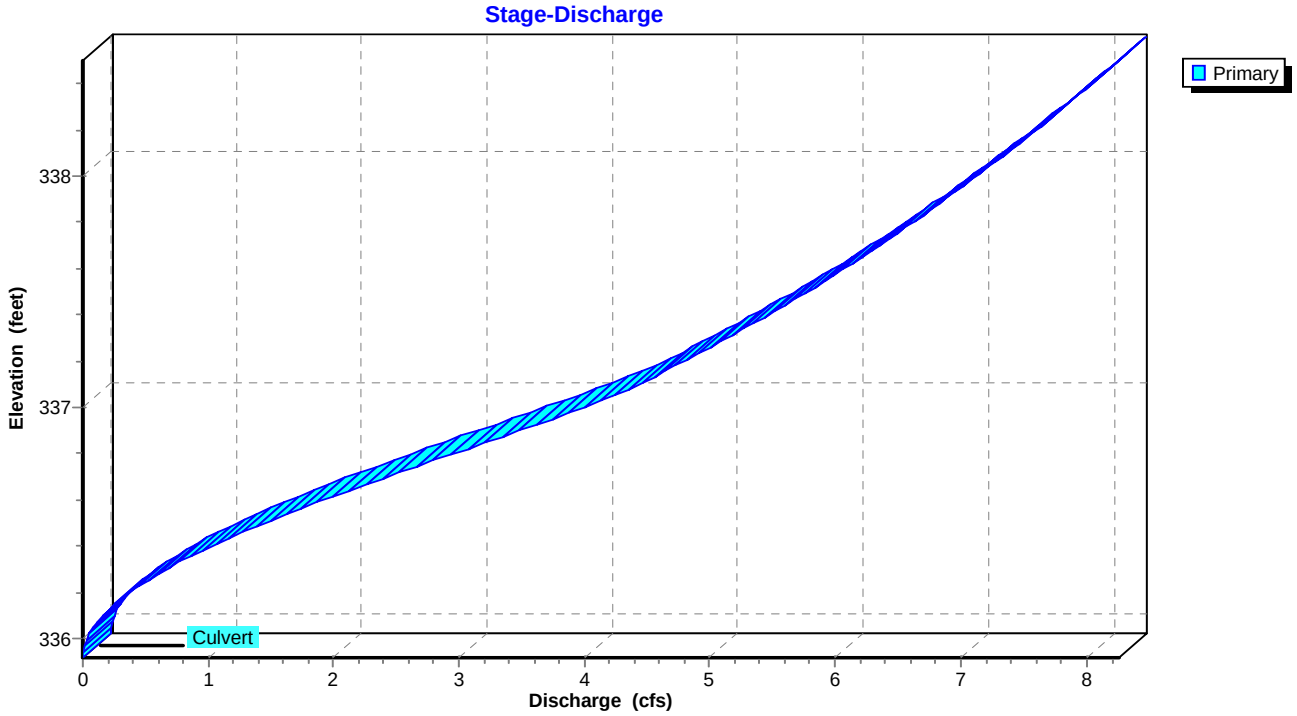
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.78 cfs @ 12.18 hrs HW=337.50' TW=331.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.78 cfs @ 4.71 fps)

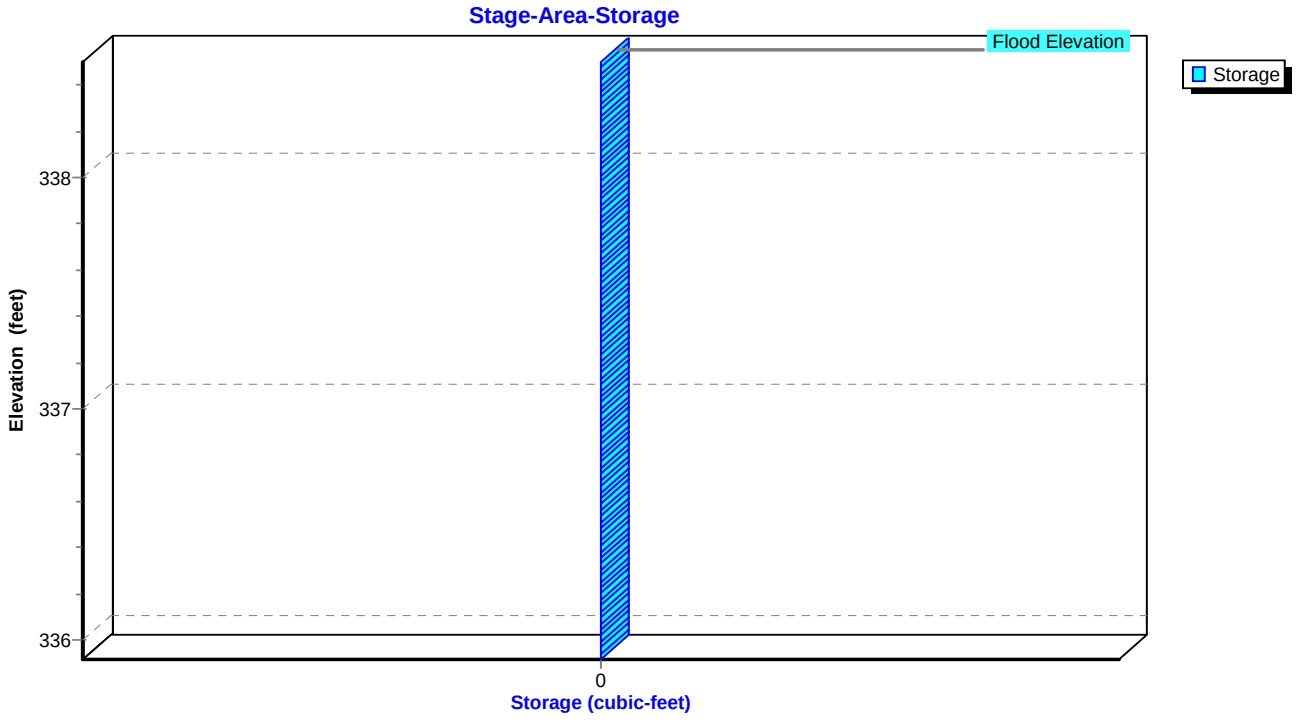
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.94	0.00
7.00	0.01	335.96	0.01
7.50	0.02	335.99	0.02
8.00	0.04	336.01	0.04
8.50	0.06	336.03	0.06
9.00	0.09	336.05	0.09
9.50	0.13	336.08	0.13
10.00	0.17	336.11	0.17
10.50	0.24	336.14	0.24
11.00	0.33	336.18	0.33
11.50	0.55	336.27	0.55
12.00	**2.63**	**336.74**	**2.63**
12.50	**2.52**	**336.72**	**2.52**
13.00	0.78	336.33	0.78
13.50	0.56	336.27	0.56
14.00	0.46	336.23	0.46
14.50	0.39	336.21	0.39
15.00	0.34	336.19	0.34
15.50	0.30	336.17	0.30
16.00	0.25	336.15	0.25
16.50	0.21	336.13	0.21
17.00	0.19	336.12	0.19
17.50	0.17	336.11	0.17
18.00	0.15	336.10	0.15
18.50	0.14	336.09	0.14
19.00	0.13	336.08	0.13
19.50	0.12	336.08	0.12
20.00	0.12	336.07	0.12
20.50	0.11	336.07	0.11
21.00	0.11	336.07	0.11
21.50	0.10	336.06	0.10
22.00	0.10	336.06	0.10
22.50	0.09	336.06	0.09
23.00	0.09	336.05	0.09
23.50	0.08	336.05	0.08
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

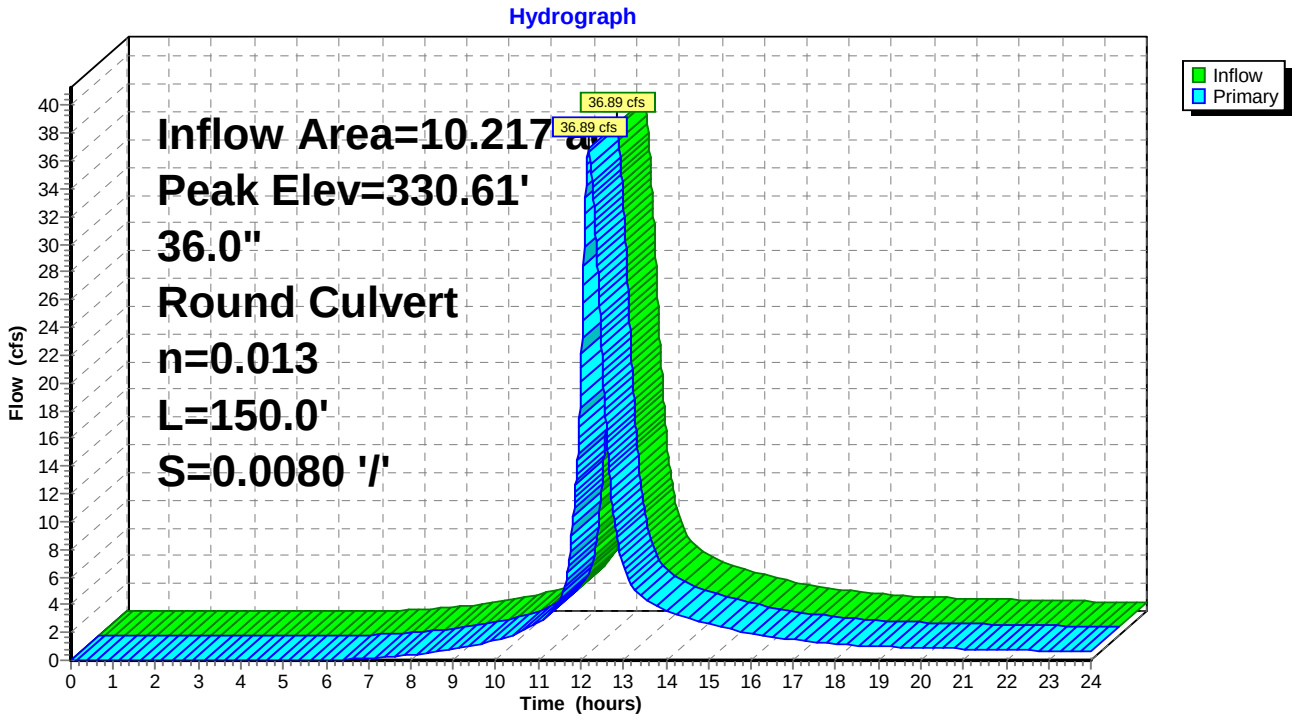
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af
Outflow = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af, Atten= 0%, Lag= 0.0 min
Primary = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.61' @ 12.18 hrs
Flood Elev= 335.75'

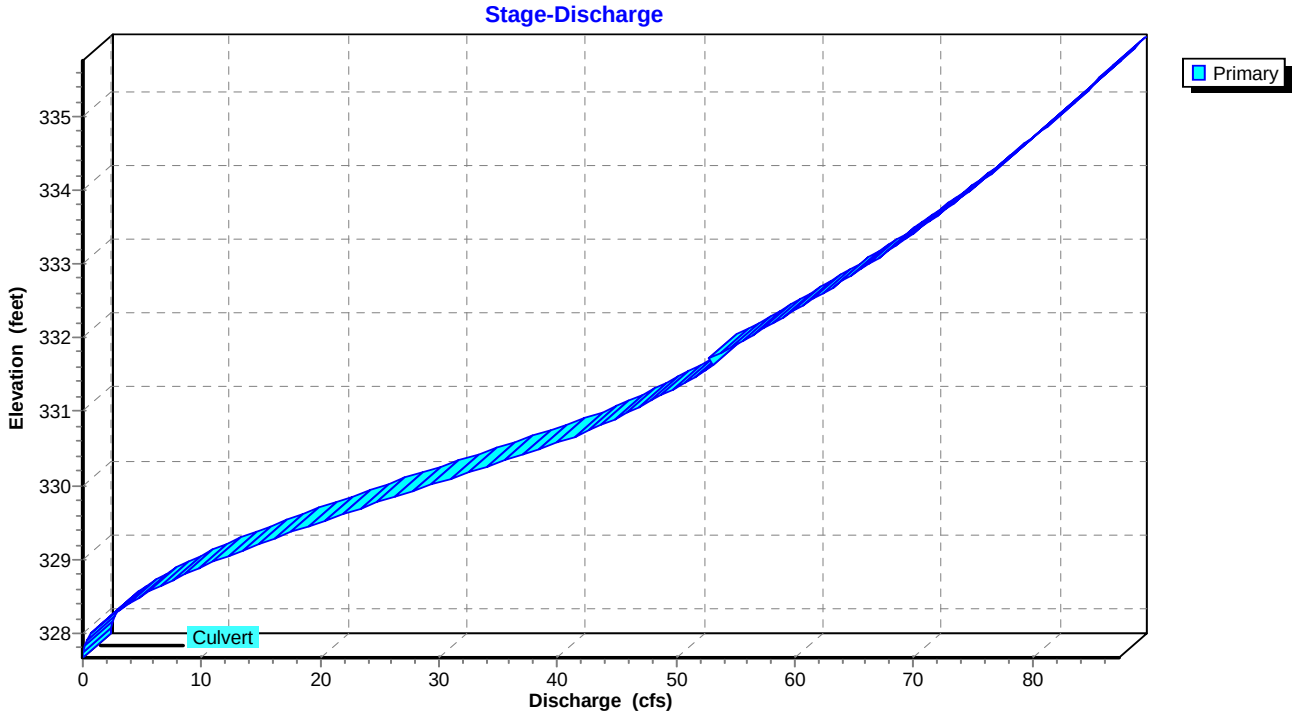
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=36.86 cfs @ 12.18 hrs HW=330.61' TW=329.01' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 36.86 cfs @ 6.62 fps)

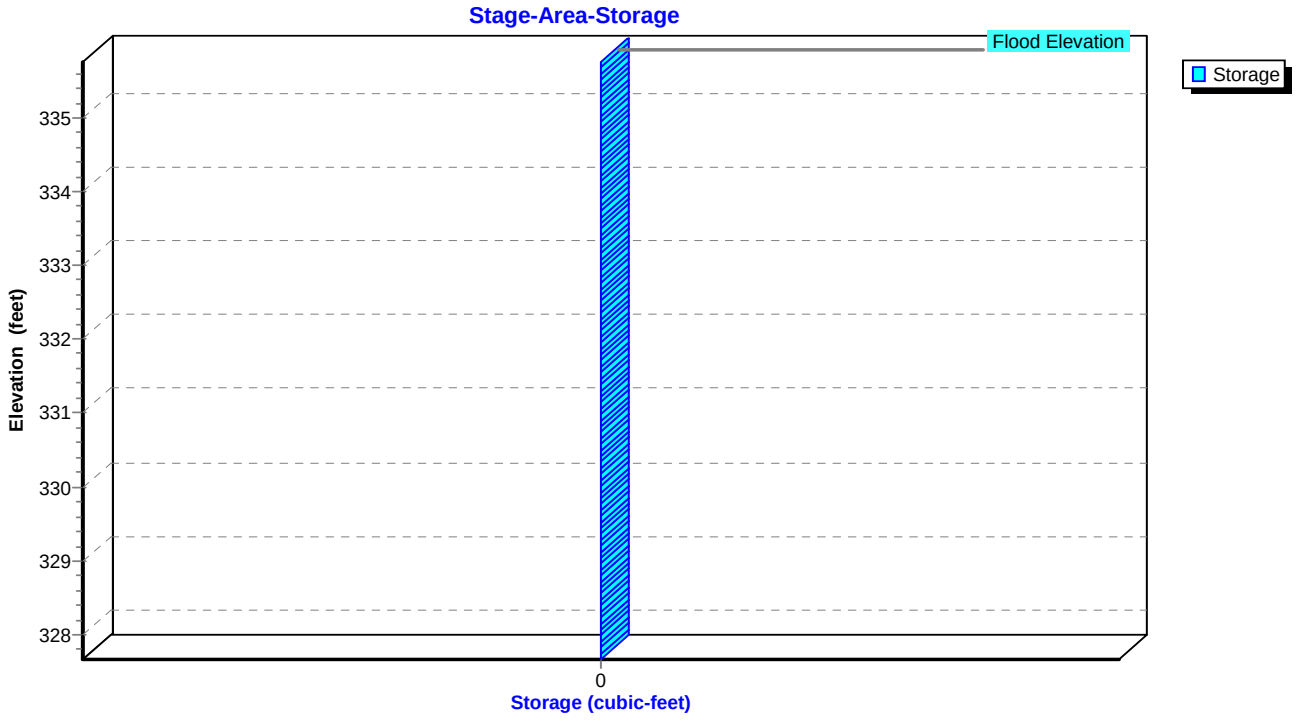
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.70	0.00
6.00	0.02	327.73	0.02
6.50	0.07	327.77	0.07
7.00	0.15	327.82	0.15
7.50	0.25	327.86	0.25
8.00	0.37	327.90	0.37
8.50	0.55	327.95	0.55
9.00	0.80	328.00	0.80
9.50	1.10	328.06	1.10
10.00	1.45	328.12	1.45
10.50	1.97	328.19	1.97
11.00	2.68	328.28	2.68
11.50	4.30	328.45	4.30
12.00	**20.04**	**329.60**	**20.04**
12.50	**22.02**	**329.70**	**22.02**
13.00	6.85	328.68	6.85
13.50	4.41	328.46	4.41
14.00	3.59	328.37	3.59
14.50	3.03	328.32	3.03
15.00	2.65	328.27	2.65
15.50	2.28	328.23	2.28
16.00	1.91	328.18	1.91
16.50	1.64	328.14	1.64
17.00	1.48	328.12	1.48
17.50	1.31	328.09	1.31
18.00	1.15	328.07	1.15
18.50	1.04	328.05	1.04
19.00	0.99	328.04	0.99
19.50	0.94	328.03	0.94
20.00	0.89	328.02	0.89
20.50	0.85	328.01	0.85
21.00	0.81	328.00	0.81
21.50	0.78	328.00	0.78
22.00	0.74	327.99	0.74
22.50	0.70	327.98	0.70
23.00	0.66	327.97	0.66
23.50	0.63	327.96	0.63
24.00	0.59	327.96	0.59

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

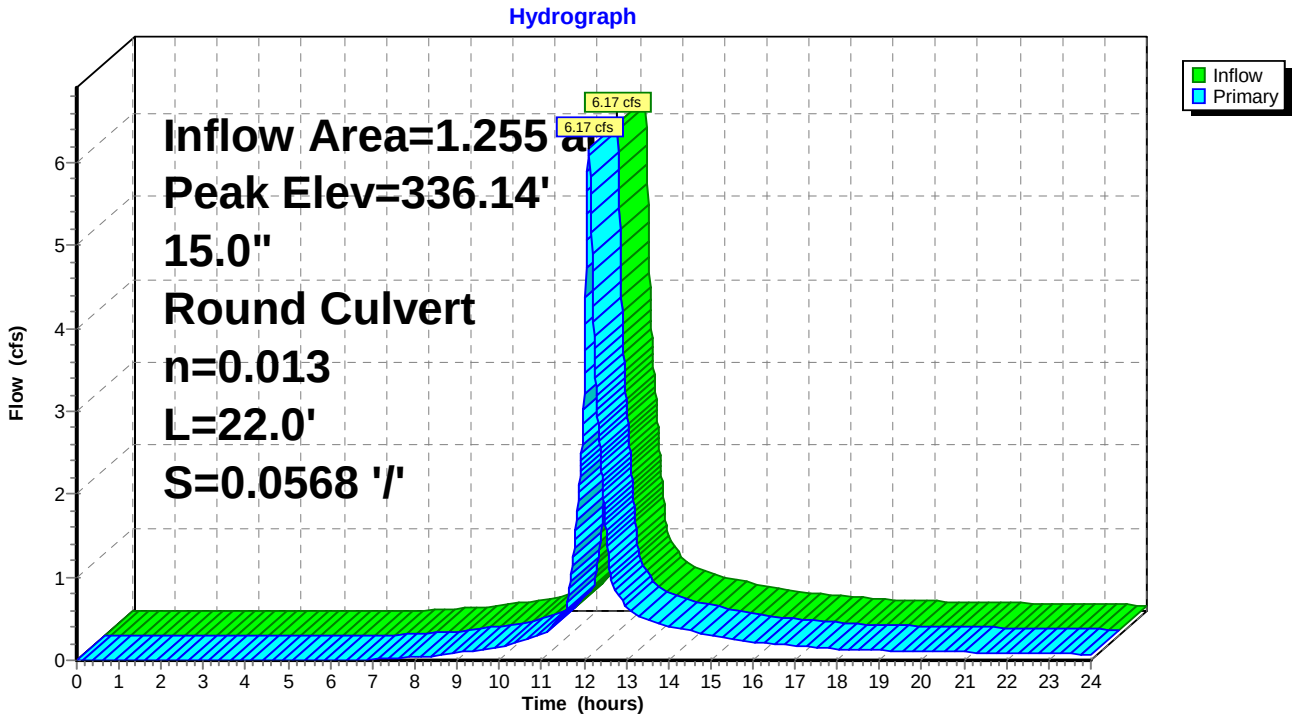
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af
Outflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af, Atten= 0%, Lag= 0.0 min
Primary = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.14' @ 12.12 hrs
Flood Elev= 337.00'

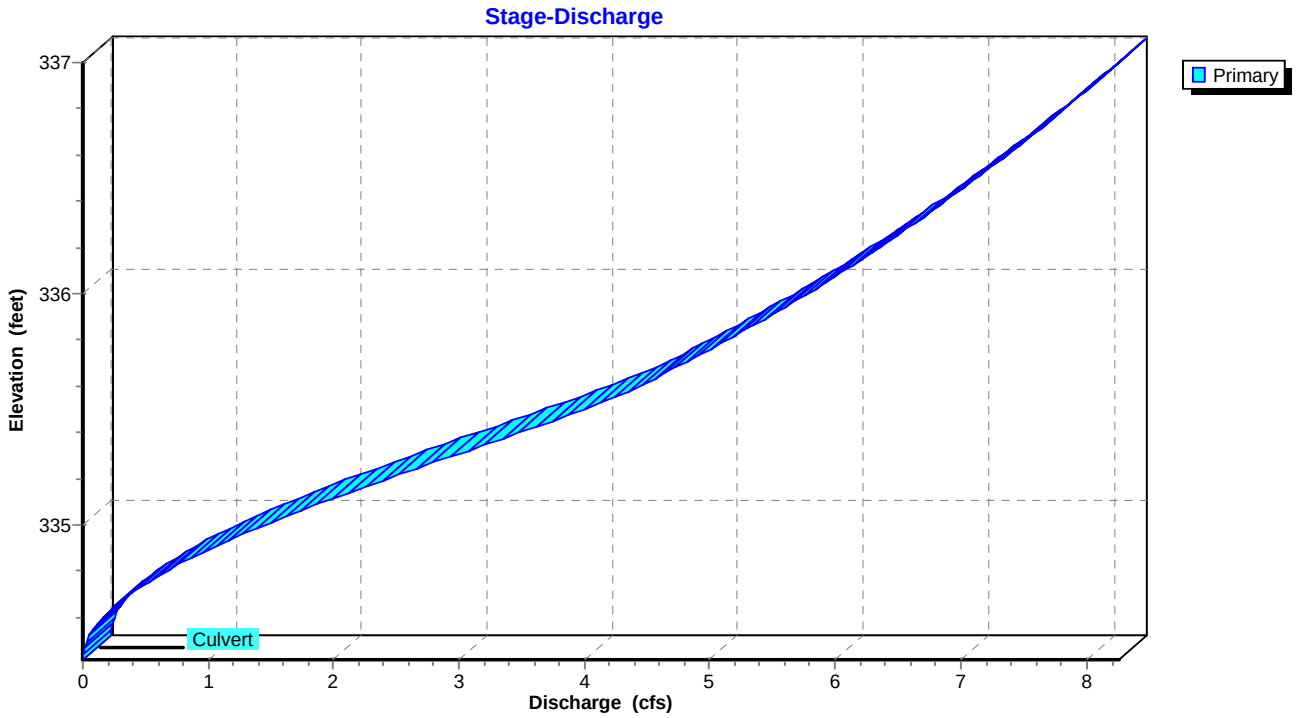
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.16 cfs @ 12.12 hrs HW=336.13' TW=330.42' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.16 cfs @ 5.02 fps)

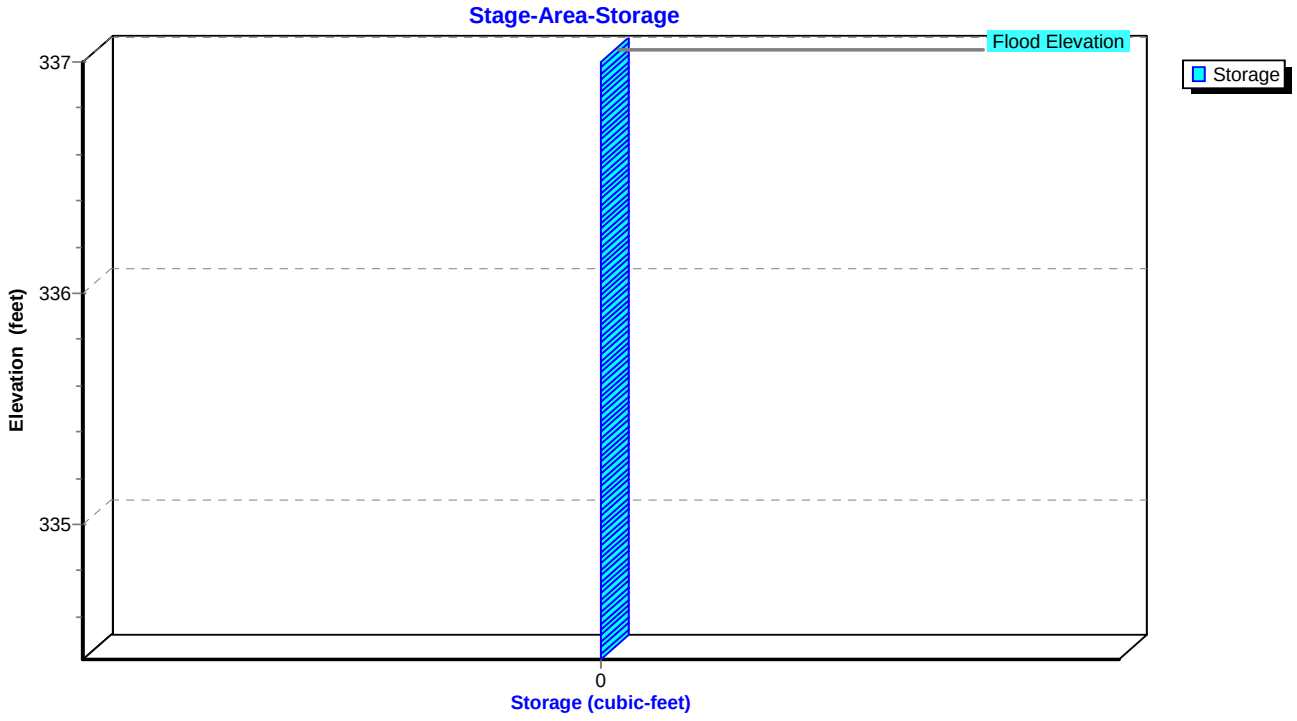
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.44	0.00
7.00	0.01	334.47	0.01
7.50	0.02	334.49	0.02
8.00	0.04	334.51	0.04
8.50	0.06	334.53	0.06
9.00	0.09	334.55	0.09
9.50	0.12	334.58	0.12
10.00	0.16	334.60	0.16
10.50	0.23	334.64	0.23
11.00	0.32	334.68	0.32
11.50	0.55	334.77	0.55
12.00	**3.22**	**335.35**	**3.22**
12.50	**1.76**	**335.07**	**1.76**
13.00	0.65	334.80	0.65
13.50	0.50	334.75	0.50
14.00	0.41	334.71	0.41
14.50	0.35	334.69	0.35
15.00	0.31	334.67	0.31
15.50	0.26	334.65	0.26
16.00	0.22	334.63	0.22
16.50	0.19	334.62	0.19
17.00	0.17	334.61	0.17
17.50	0.15	334.60	0.15
18.00	0.13	334.59	0.13
18.50	0.12	334.58	0.12
19.00	0.12	334.58	0.12
19.50	0.11	334.57	0.11
20.00	0.11	334.57	0.11
20.50	0.10	334.56	0.10
21.00	0.10	334.56	0.10
21.50	0.09	334.56	0.09
22.00	0.09	334.55	0.09
22.50	0.08	334.55	0.08
23.00	0.08	334.55	0.08
23.50	0.07	334.54	0.07
24.00	0.07	334.54	0.07

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

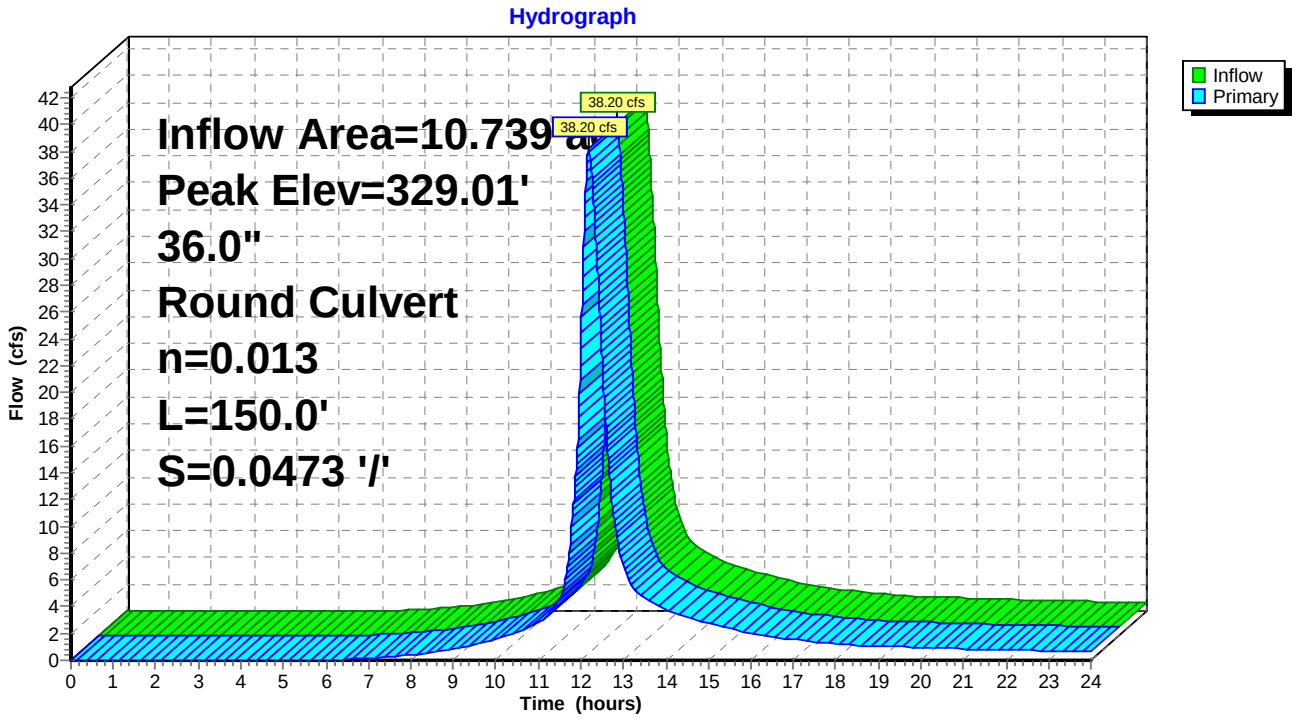
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af
Outflow = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af, Atten= 0%, Lag= 0.0 min
Primary = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.01' @ 12.18 hrs
Flood Elev= 332.25'

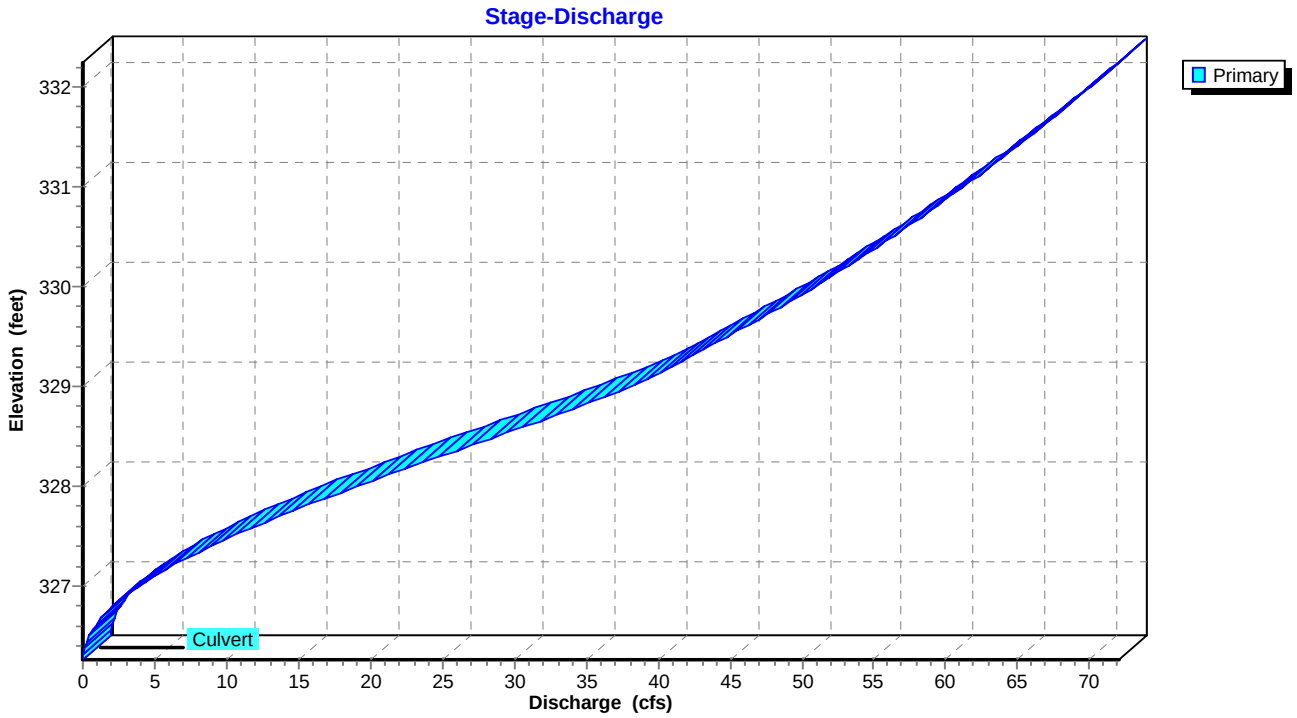
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=38.19 cfs @ 12.18 hrs HW=329.01' TW=321.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 38.19 cfs @ 5.64 fps)

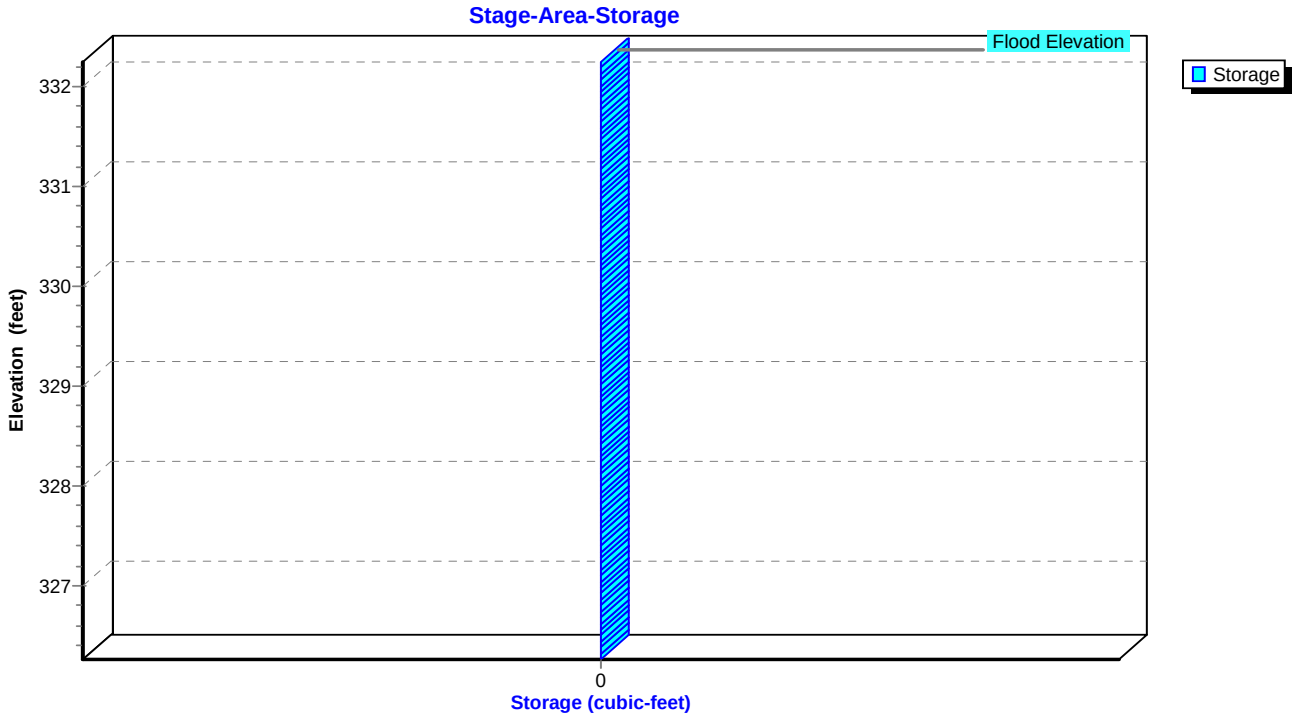
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.29	0.00
6.00	0.03	326.33	0.03
6.50	0.08	326.37	0.08
7.00	0.16	326.41	0.16
7.50	0.27	326.46	0.27
8.00	0.39	326.50	0.39
8.50	0.58	326.55	0.58
9.00	0.84	326.60	0.84
9.50	1.16	326.66	1.16
10.00	1.54	326.72	1.54
10.50	2.08	326.80	2.08
11.00	2.83	326.89	2.83
11.50	4.58	327.07	4.58
12.00	**23.23**	**328.23**	**23.23**
12.50	**22.46**	**328.19**	**22.46**
13.00	7.09	327.28	7.09
13.50	4.62	327.07	4.62
14.00	3.75	326.99	3.75
14.50	3.17	326.93	3.17
15.00	2.78	326.88	2.78
15.50	2.39	326.84	2.39
16.00	2.00	326.79	2.00
16.50	1.72	326.75	1.72
17.00	1.55	326.72	1.55
17.50	1.37	326.70	1.37
18.00	1.20	326.67	1.20
18.50	1.09	326.65	1.09
19.00	1.04	326.64	1.04
19.50	0.99	326.63	0.99
20.00	0.94	326.62	0.94
20.50	0.89	326.61	0.89
21.00	0.85	326.61	0.85
21.50	0.81	326.60	0.81
22.00	0.78	326.59	0.78
22.50	0.74	326.58	0.74
23.00	0.70	326.57	0.70
23.50	0.66	326.56	0.66
24.00	0.62	326.55	0.62

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

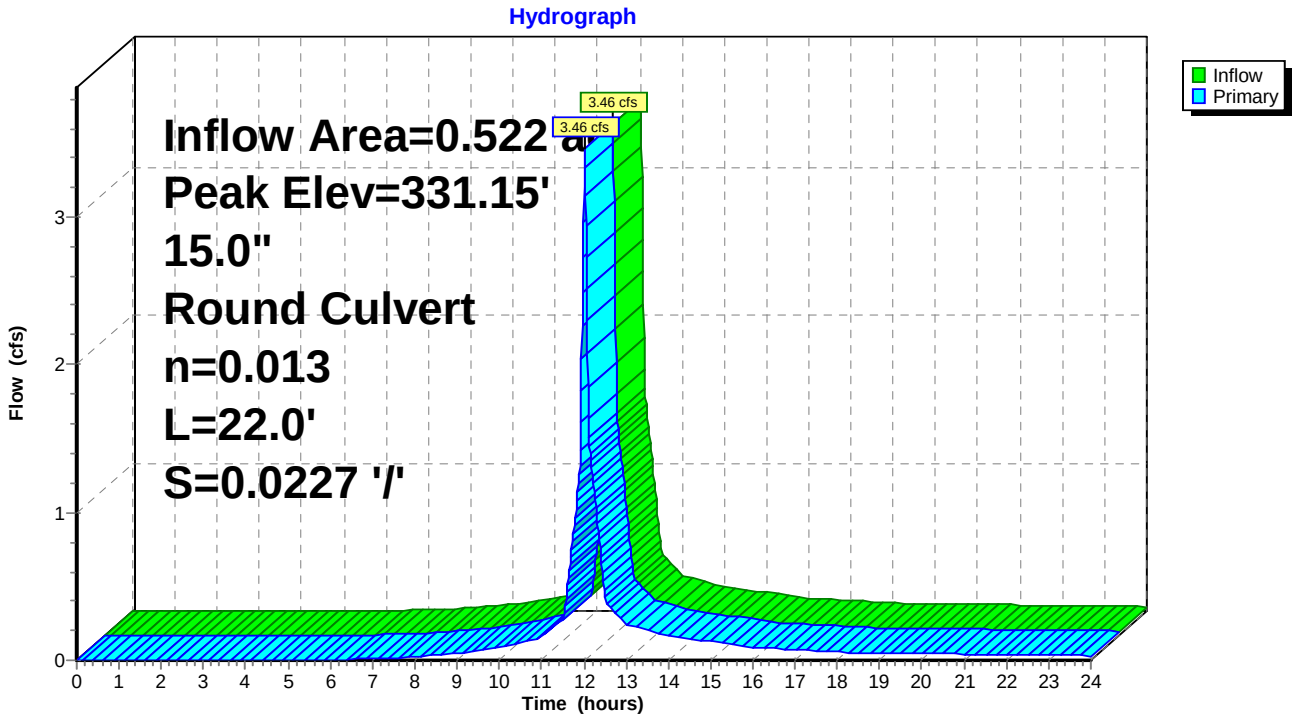
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.15' @ 12.02 hrs
Flood Elev= 332.80'

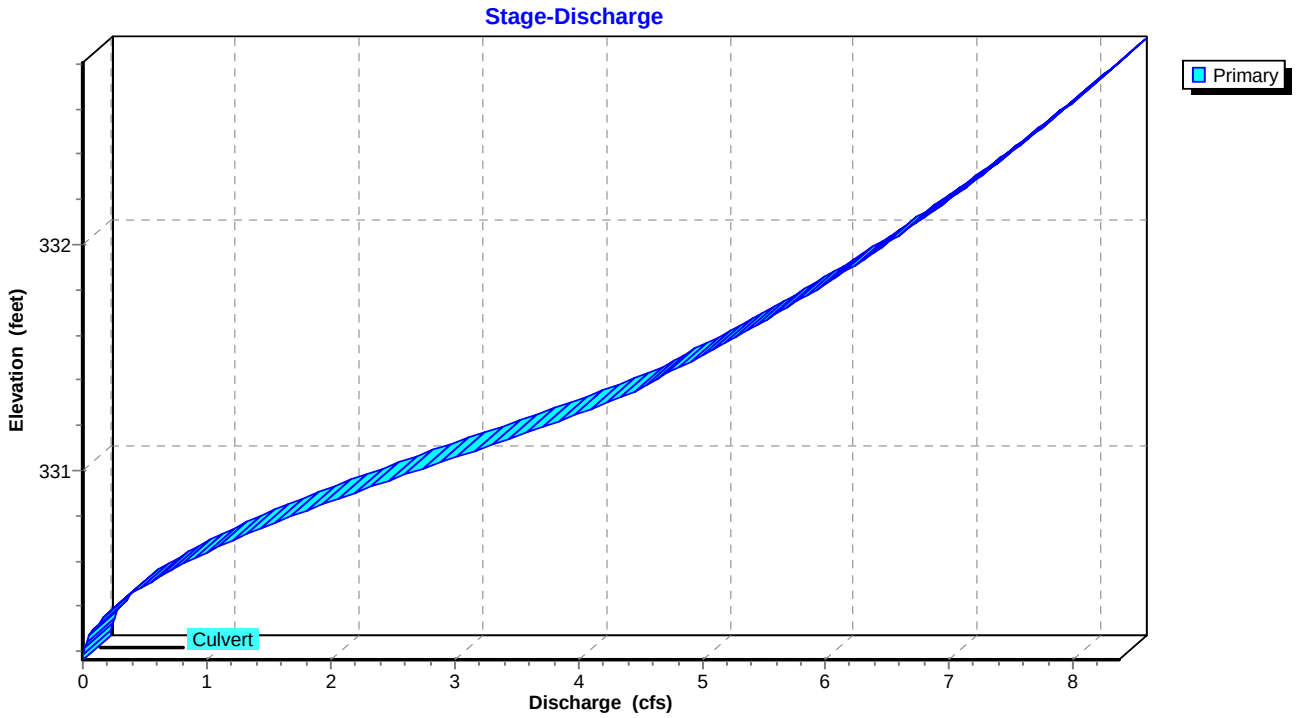
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.44 cfs @ 12.02 hrs HW=331.14' TW=328.33' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.44 cfs @ 3.36 fps)

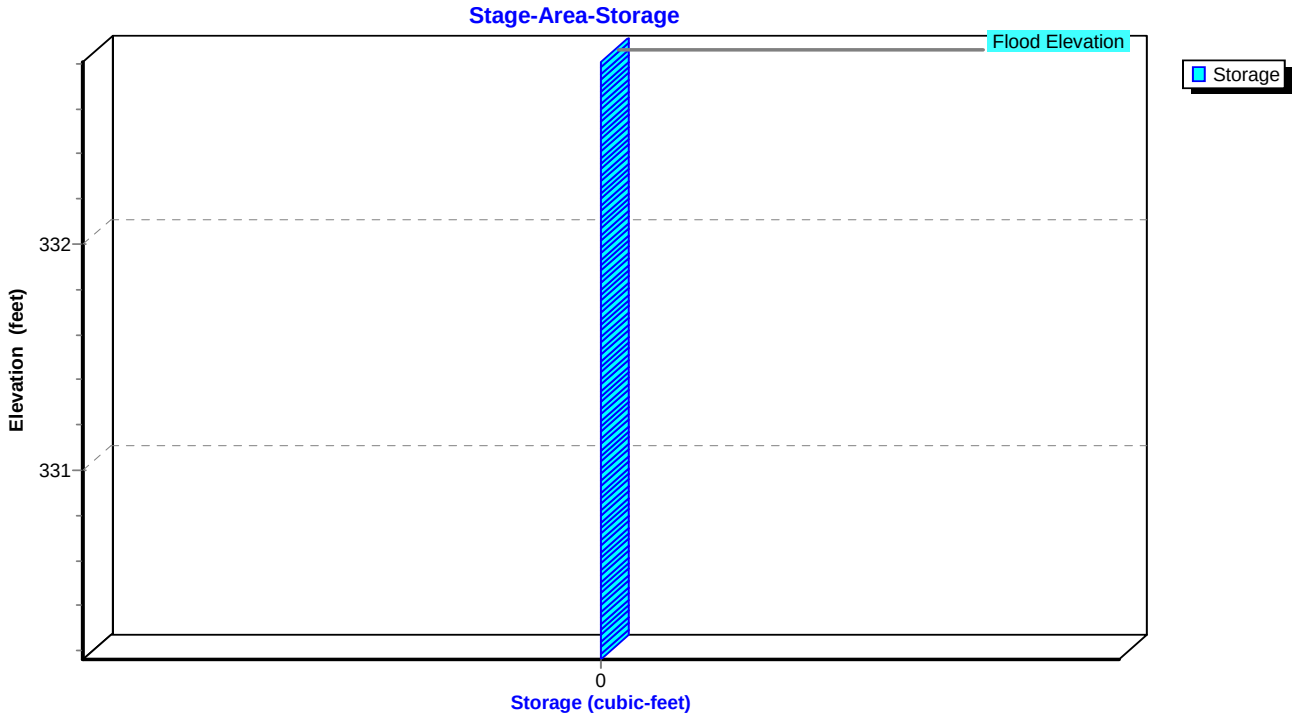
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.19	0.00
6.50	0.01	330.20	0.01
7.00	0.01	330.21	0.01
7.50	0.02	330.23	0.02
8.00	0.02	330.24	0.02
8.50	0.03	330.25	0.03
9.00	0.05	330.27	0.05
9.50	0.06	330.28	0.06
10.00	0.08	330.30	0.08
10.50	0.12	330.32	0.12
11.00	0.16	330.35	0.16
11.50	0.28	330.41	0.28
12.00	**3.19**	**331.10**	**3.19**
12.50	**0.43**	**330.47**	**0.43**
13.00	0.24	330.40	0.24
13.50	0.20	330.38	0.20
14.00	0.16	330.35	0.16
14.50	0.15	330.34	0.15
15.00	0.13	330.33	0.13
15.50	0.11	330.32	0.11
16.00	0.09	330.30	0.09
16.50	0.08	330.30	0.08
17.00	0.07	330.29	0.07
17.50	0.06	330.28	0.06
18.00	0.05	330.28	0.05
18.50	0.05	330.27	0.05
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.04	330.26	0.04
20.50	0.04	330.26	0.04
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.03	330.25	0.03
23.00	0.03	330.25	0.03
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

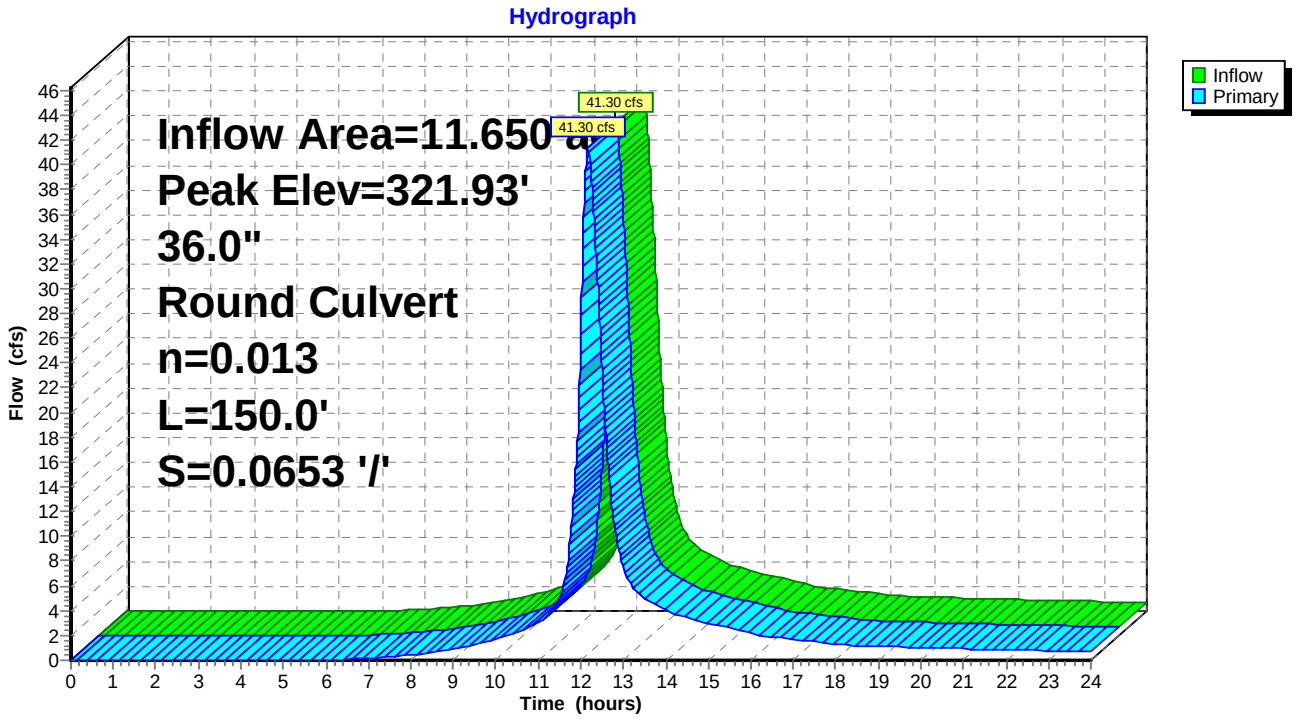
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 4.78" for 50-Year event
Inflow = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af
Outflow = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af, Atten= 0%, Lag= 0.0 min
Primary = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.93' @ 12.16 hrs
Flood Elev= 338.50'

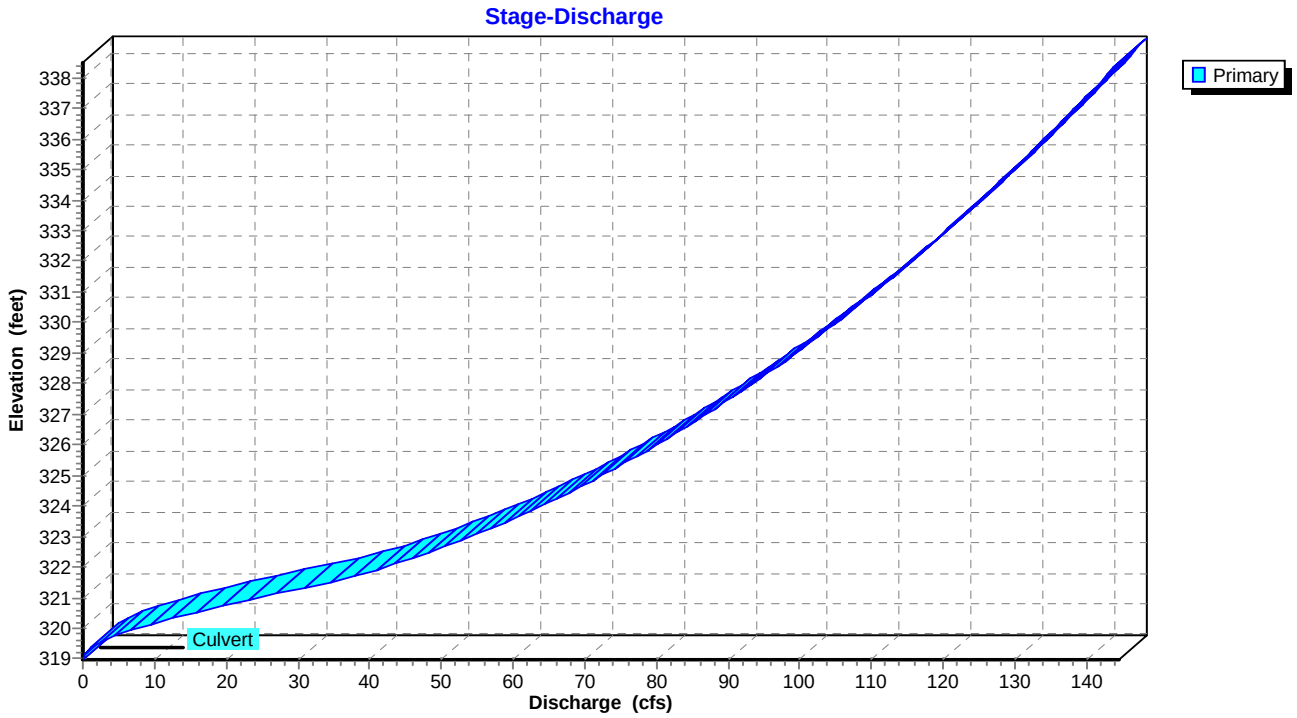
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=41.30 cfs @ 12.16 hrs HW=321.93' TW=312.06' (Dynamic Tailwater)
1=Culvert (Inlet Controls 41.30 cfs @ 5.86 fps)

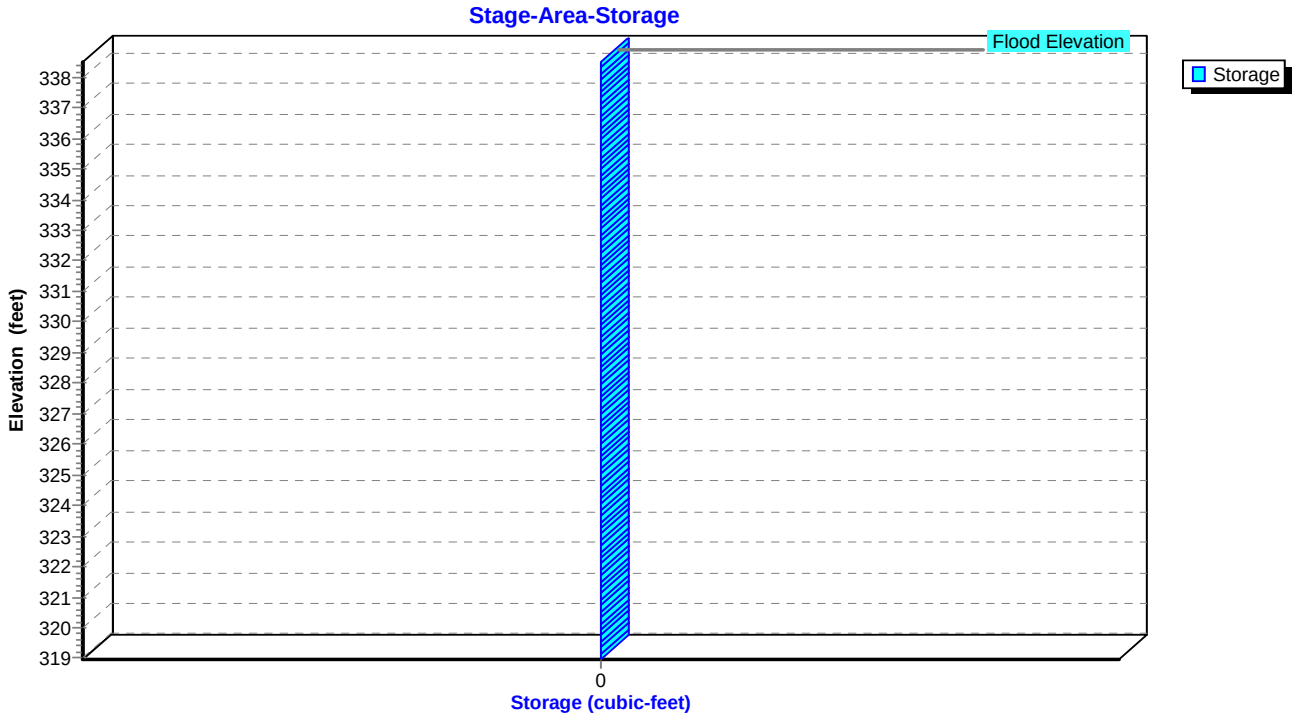
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.99	0.00
6.00	0.03	319.03	0.03
6.50	0.08	319.07	0.08
7.00	0.17	319.12	0.17
7.50	0.28	319.16	0.28
8.00	0.42	319.20	0.42
8.50	0.62	319.25	0.62
9.00	0.90	319.31	0.90
9.50	1.25	319.38	1.25
10.00	1.65	319.44	1.65
10.50	2.25	319.52	2.25
11.00	3.06	319.62	3.06
11.50	4.98	319.80	4.98
12.00	**26.25**	**321.08**	**26.25**
12.50	**23.50**	**320.94**	**23.50**
13.00	7.54	320.01	7.54
13.50	4.97	319.80	4.97
14.00	4.04	319.72	4.04
14.50	3.42	319.65	3.42
15.00	3.00	319.61	3.00
15.50	2.58	319.56	2.58
16.00	2.15	319.51	2.15
16.50	1.86	319.47	1.86
17.00	1.67	319.44	1.67
17.50	1.48	319.41	1.48
18.00	1.30	319.39	1.30
18.50	1.18	319.37	1.18
19.00	1.12	319.36	1.12
19.50	1.07	319.35	1.07
20.00	1.01	319.34	1.01
20.50	0.97	319.33	0.97
21.00	0.92	319.32	0.92
21.50	0.88	319.31	0.88
22.00	0.84	319.30	0.84
22.50	0.80	319.29	0.80
23.00	0.75	319.28	0.75
23.50	0.71	319.28	0.71
24.00	0.67	319.27	0.67

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

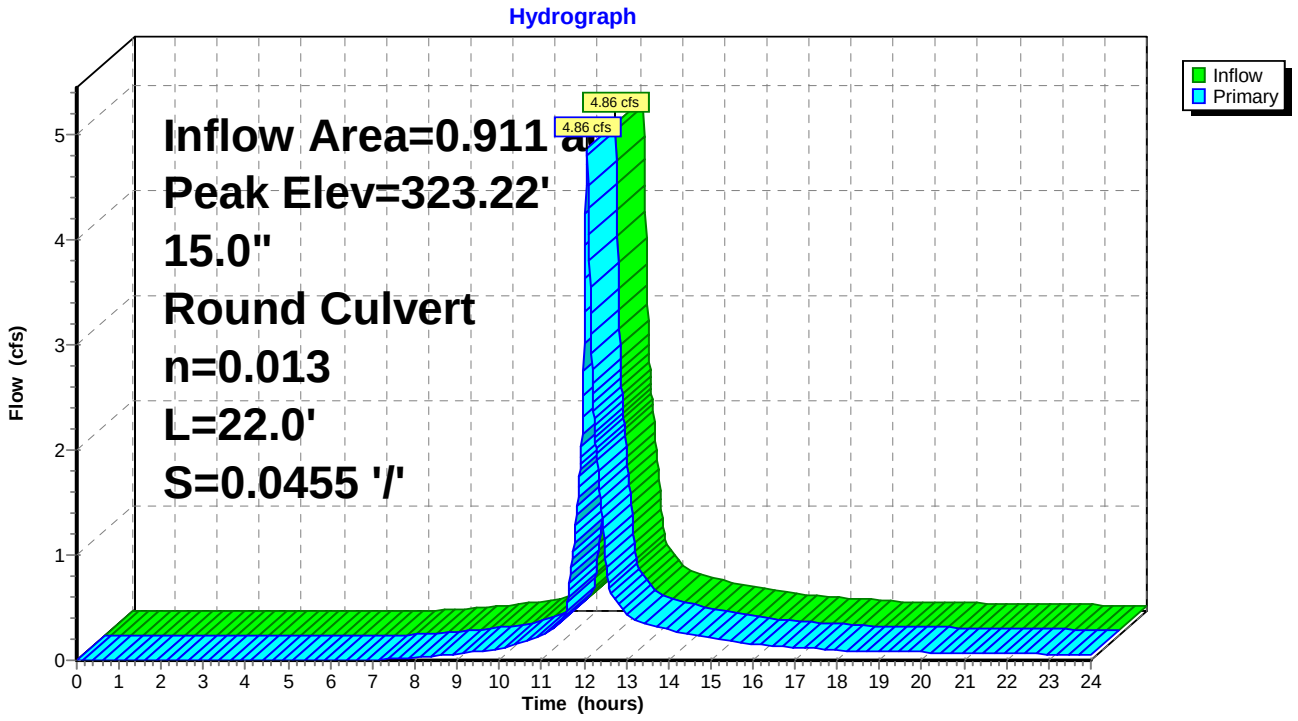
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.47" for 50-Year event
Inflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af
Outflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af, Atten= 0%, Lag= 0.0 min
Primary = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.22' @ 12.08 hrs
Flood Elev= 324.50'

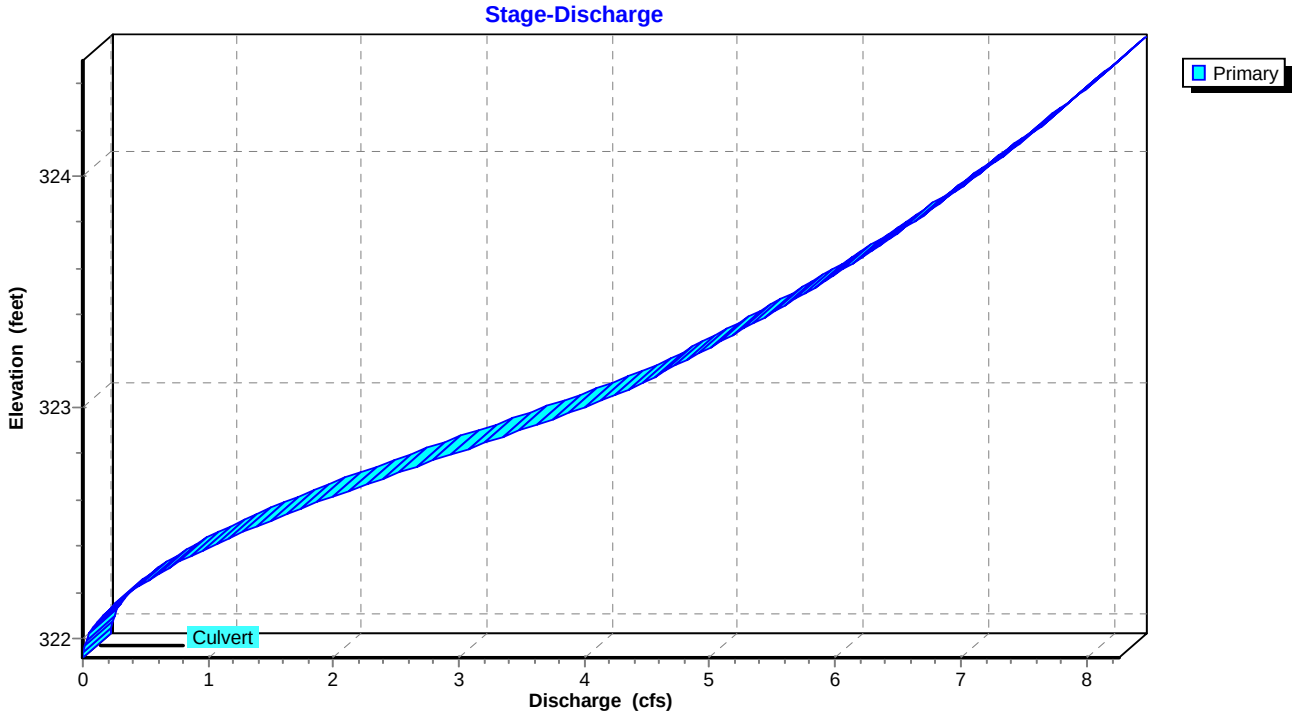
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.86 cfs @ 12.08 hrs HW=323.22' TW=321.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.86 cfs @ 3.96 fps)

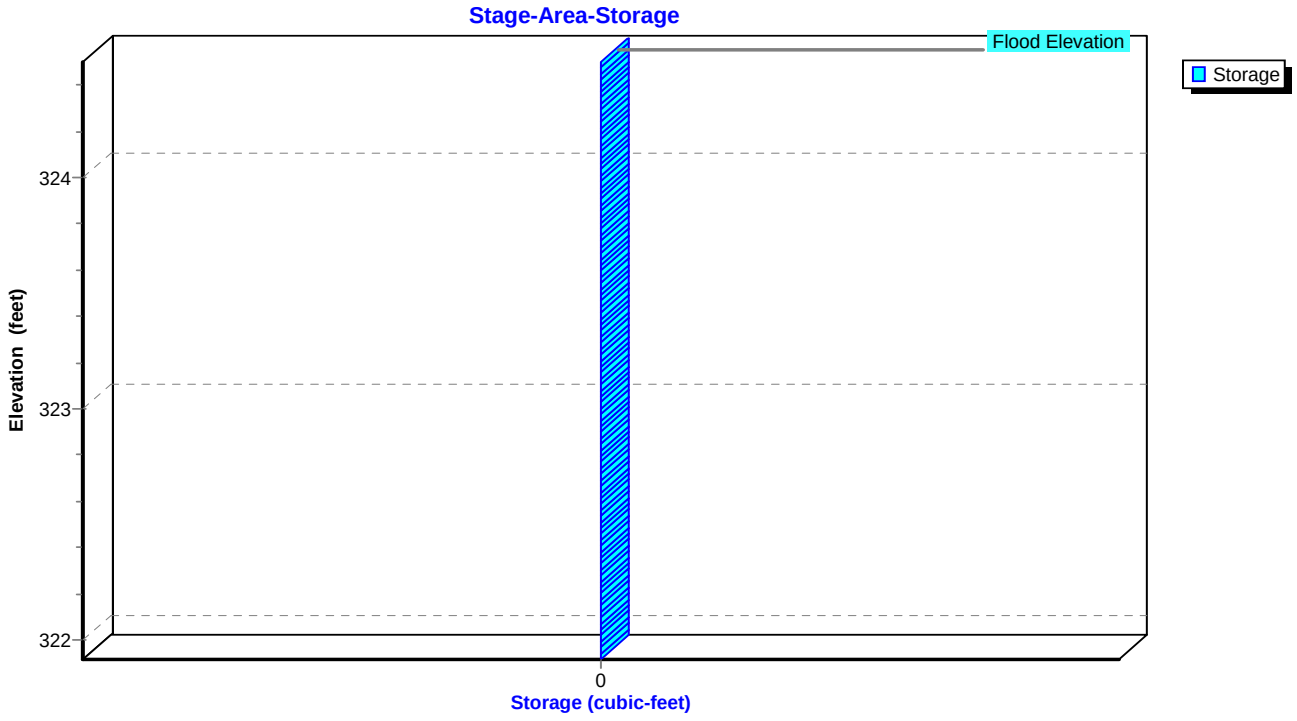
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.01	321.95	0.01
7.50	0.01	321.97	0.01
8.00	0.02	321.99	0.02
8.50	0.04	322.01	0.04
9.00	0.06	322.03	0.06
9.50	0.08	322.05	0.08
10.00	0.11	322.07	0.11
10.50	0.16	322.10	0.16
11.00	0.23	322.14	0.23
11.50	0.40	322.21	0.40
12.00	**3.02**	**322.81**	**3.02**
12.50	**1.04**	**322.40**	**1.04**
13.00	0.44	322.23	0.44
13.50	0.35	322.19	0.35
14.00	0.29	322.17	0.29
14.50	0.25	322.15	0.25
15.00	0.22	322.13	0.22
15.50	0.19	322.12	0.19
16.00	0.15	322.10	0.15
16.50	0.14	322.09	0.14
17.00	0.12	322.08	0.12
17.50	0.11	322.07	0.11
18.00	0.09	322.06	0.09
18.50	0.09	322.05	0.09
19.00	0.08	322.05	0.08
19.50	0.08	322.05	0.08
20.00	0.08	322.04	0.08
20.50	0.07	322.04	0.07
21.00	0.07	322.04	0.07
21.50	0.07	322.04	0.07
22.00	0.06	322.03	0.06
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.05	322.02	0.05
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

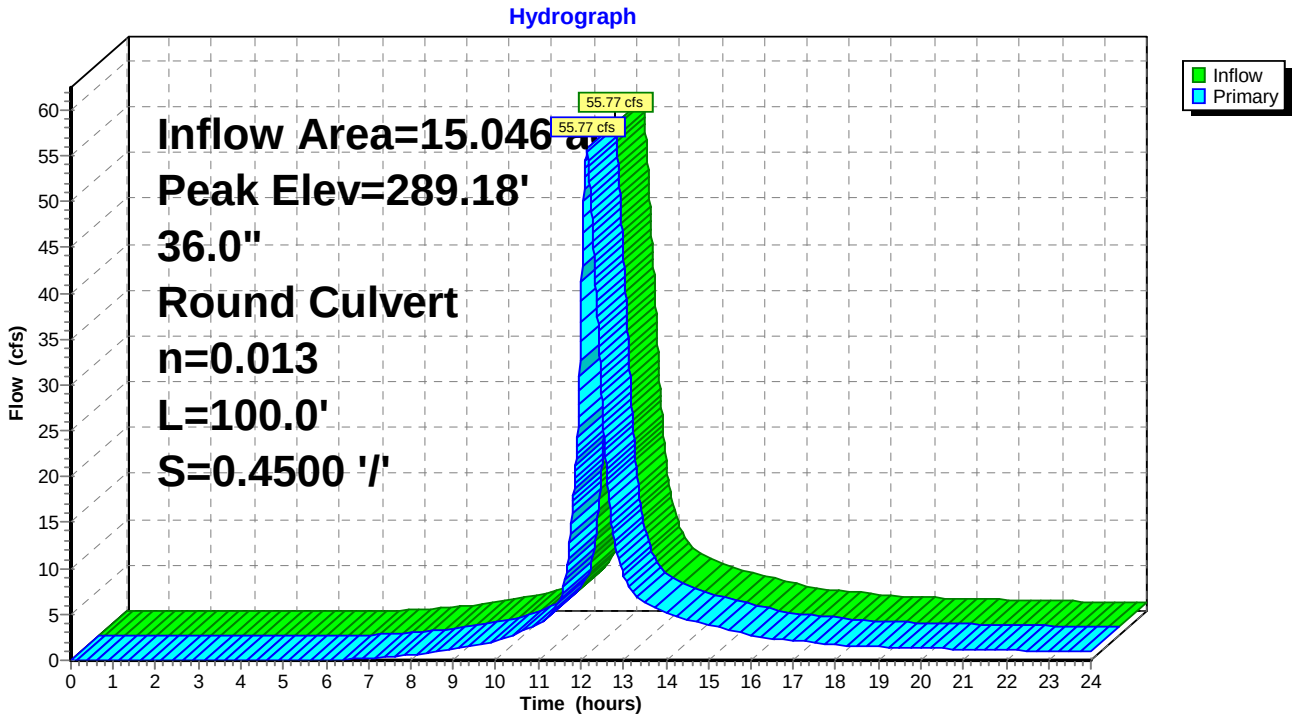
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 4.76" for 50-Year event
Inflow = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af
Outflow = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af, Atten= 0%, Lag= 0.0 min
Primary = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 289.18' @ 12.14 hrs
Flood Elev= 295.00'

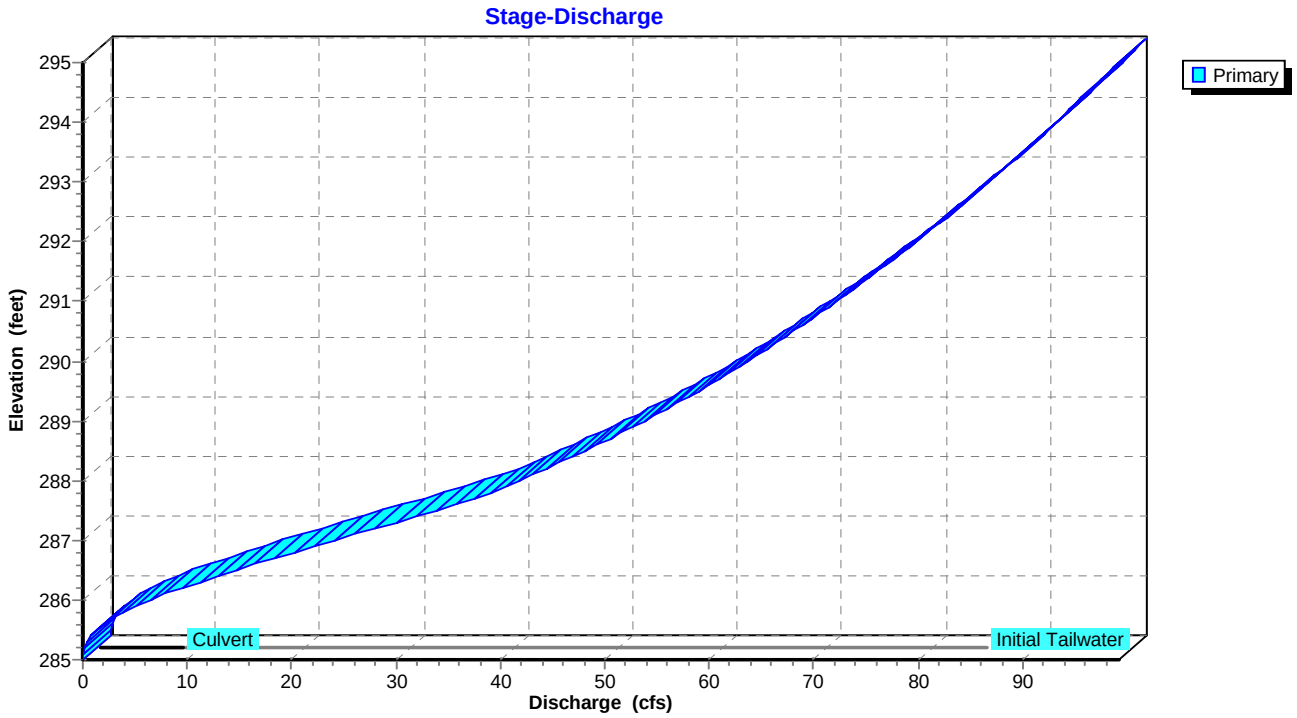
Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=55.73 cfs @ 12.14 hrs HW=289.18' TW=285.36' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 55.73 cfs @ 7.88 fps)

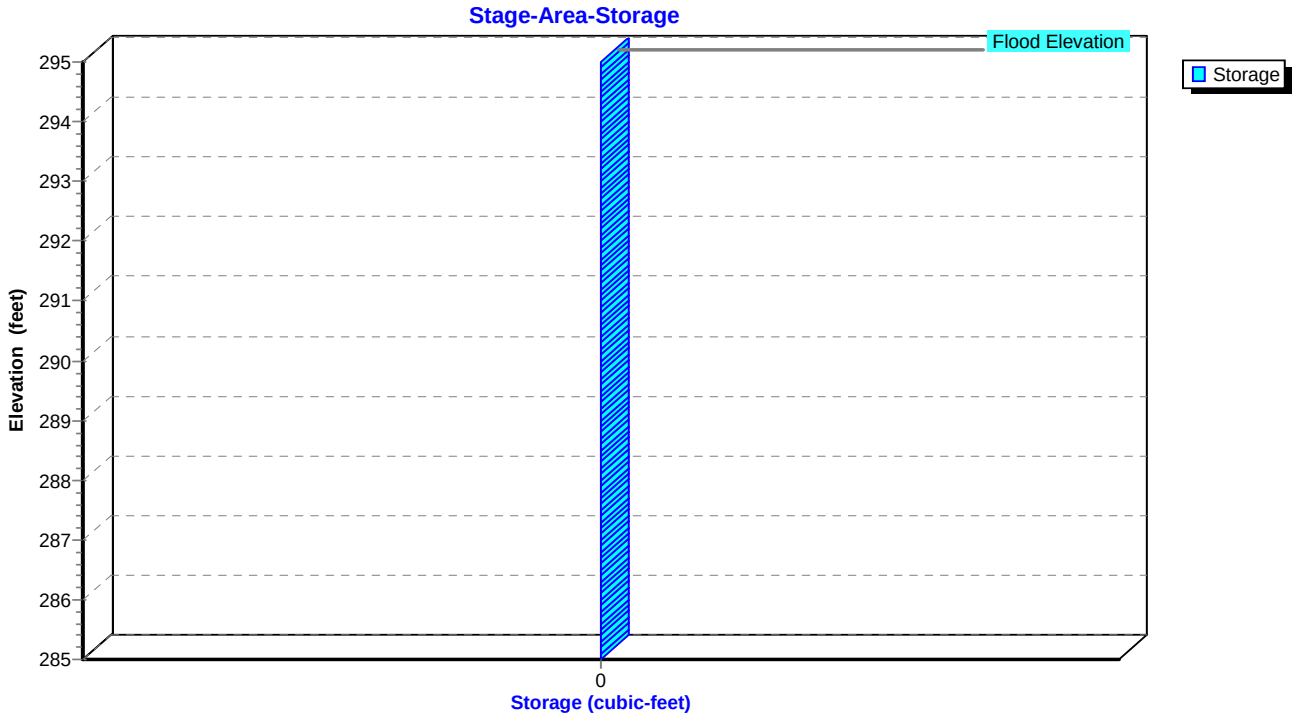
Pond MH1: (new Pond)



Pond MH1: (new Pond)



Pond MH1: (new Pond)



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.01	0.00
5.50	0.01	285.06	0.01
6.00	0.03	285.12	0.03
6.50	0.10	285.18	0.10
7.00	0.21	285.24	0.21
7.50	0.36	285.30	0.36
8.00	0.53	285.35	0.53
8.50	0.80	285.41	0.80
9.00	1.16	285.48	1.16
9.50	1.61	285.55	1.61
10.00	2.13	285.63	2.13
10.50	2.91	285.72	2.91
11.00	3.97	285.82	3.97
11.50	6.55	286.03	6.55
12.00	**36.86**	**287.66**	**36.86**
12.50	**28.20**	**287.21**	**28.20**
13.00	9.31	286.22	9.31
13.50	6.33	286.02	6.33
14.00	5.15	285.92	5.15
14.50	4.38	285.86	4.38
15.00	3.84	285.81	3.84
15.50	3.29	285.76	3.29
16.00	2.75	285.70	2.75
16.50	2.39	285.66	2.39
17.00	2.14	285.63	2.14
17.50	1.90	285.60	1.90
18.00	1.66	285.56	1.66
18.50	1.52	285.54	1.52
19.00	1.45	285.53	1.45
19.50	1.37	285.52	1.37
20.00	1.30	285.51	1.30
20.50	1.24	285.50	1.24
21.00	1.19	285.49	1.19
21.50	1.13	285.48	1.13
22.00	1.08	285.47	1.08
22.50	1.02	285.46	1.02
23.00	0.97	285.45	0.97
23.50	0.91	285.44	0.91
24.00	0.86	285.43	0.86

Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.78' Inflow=8.05 cfs 0.961 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=8.05 cfs 0.961 af

Pond CB10: Catchbasin Peak Elev=312.38' Inflow=47.05 cfs 5.372 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=47.05 cfs 5.372 af

Pond CB10-1: CB1-1 Peak Elev=313.15' Inflow=4.61 cfs 0.282 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.61 cfs 0.282 af

Pond CB11: Catchbasin Peak Elev=303.68' Inflow=50.27 cfs 5.642 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=50.27 cfs 5.642 af

Pond CB11-1: CB1-1 Peak Elev=303.96' Inflow=3.27 cfs 0.270 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.27 cfs 0.270 af

Pond CB12: Catchbasin Peak Elev=301.50' Inflow=57.09 cfs 6.202 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=57.09 cfs 6.202 af

Pond CB12-1: CB1-1 Peak Elev=302.81' Inflow=7.30 cfs 0.559 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=7.30 cfs 0.559 af

Pond CB13: Catchbasin Peak Elev=298.69' Inflow=61.09 cfs 6.547 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0598 '/' Outflow=61.09 cfs 6.547 af

Pond CB13-1: CB1-1 Peak Elev=299.15' Inflow=4.02 cfs 0.345 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=4.02 cfs 0.345 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.92' Inflow=17.21 cfs 1.962 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=17.21 cfs 1.962 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=344.41' Inflow=21.08 cfs 2.391 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=21.08 cfs 2.391 af

Pond CB4: Catchbasin Peak Elev=334.39' Inflow=28.19 cfs 3.257 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=28.19 cfs 3.257 af

Pond CB4-1: CB1-1 Peak Elev=339.47' Inflow=28.19 cfs 3.257 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=28.19 cfs 3.257 af

Pond CB5: Catchbasin Peak Elev=333.27' Inflow=28.93 cfs 3.385 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=28.93 cfs 3.385 af

Pond CB5-1: CB1-1 Peak Elev=334.64' Inflow=2.13 cfs 0.128 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=2.13 cfs 0.128 af

Pond CB6: Catchbasin Peak Elev=332.17' Inflow=35.06 cfs 3.960 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=35.06 cfs 3.960 af

Pond CB6-1: CB1-1 Peak Elev=337.70' Inflow=6.35 cfs 0.574 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=6.35 cfs 0.574 af

Pond CB7: Catchbasin Peak Elev=330.88' Inflow=40.38 cfs 4.487 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=40.38 cfs 4.487 af

Pond CB7-1: CB1-1 Peak Elev=336.36' Inflow=6.77 cfs 0.527 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.77 cfs 0.527 af

Pond CB8: Catchbasin Peak Elev=329.28' Inflow=41.81 cfs 4.716 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=41.81 cfs 4.716 af

Pond CB8-1: CB1-1 Peak Elev=331.21' Inflow=3.78 cfs 0.229 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.78 cfs 0.229 af

Pond CB9: Catchbasin Peak Elev=322.24' Inflow=45.23 cfs 5.090 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=45.23 cfs 5.090 af

Pond CB9-1: CB1-1 Peak Elev=323.36' Inflow=5.34 cfs 0.374 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=5.34 cfs 0.374 af

Pond MH1: (new Pond) Peak Elev=289.72' Inflow=61.09 cfs 6.547 af
36.0" Round Culvert n=0.013 L=100.0' S=0.4500 '/' Outflow=61.09 cfs 6.547 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

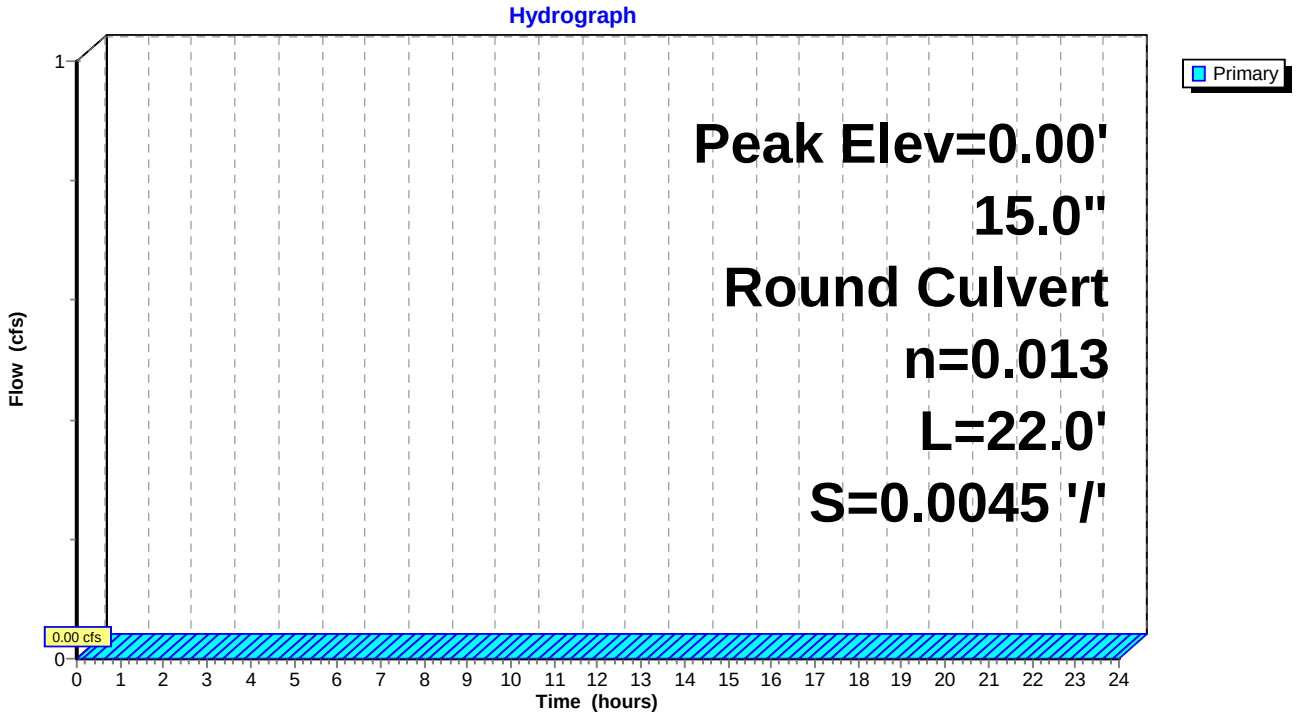
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

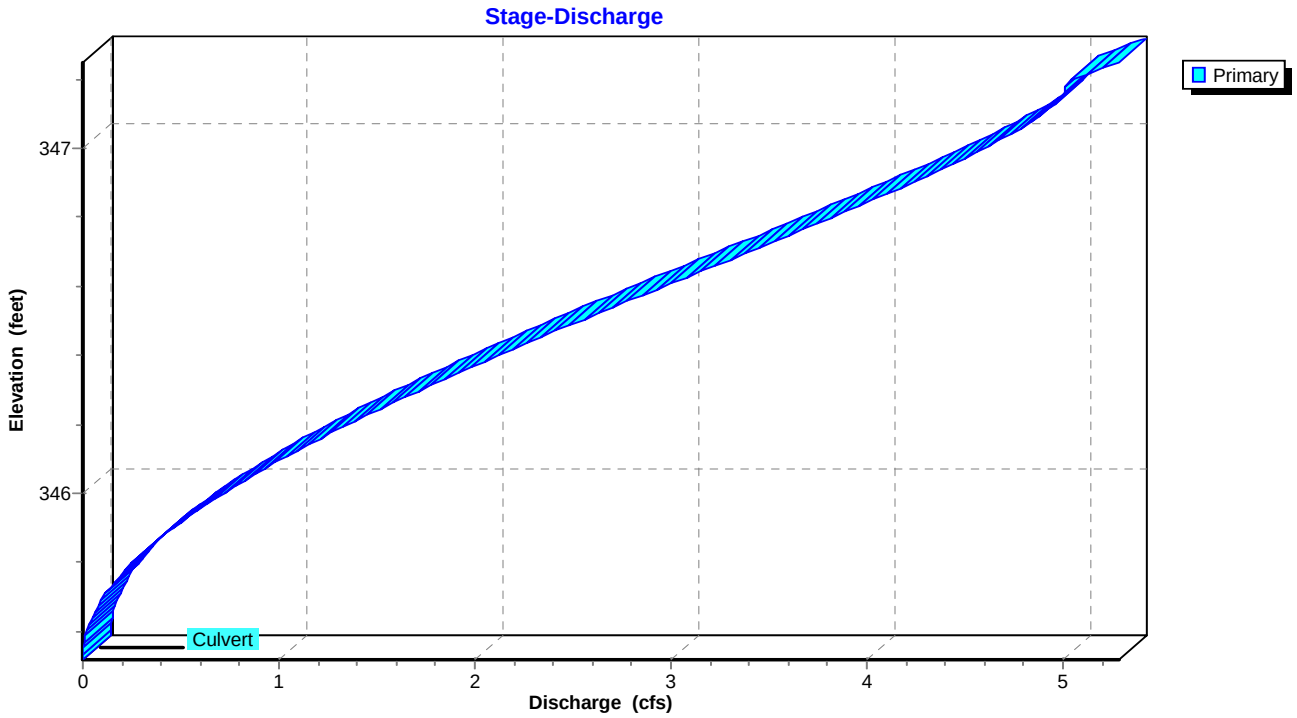
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

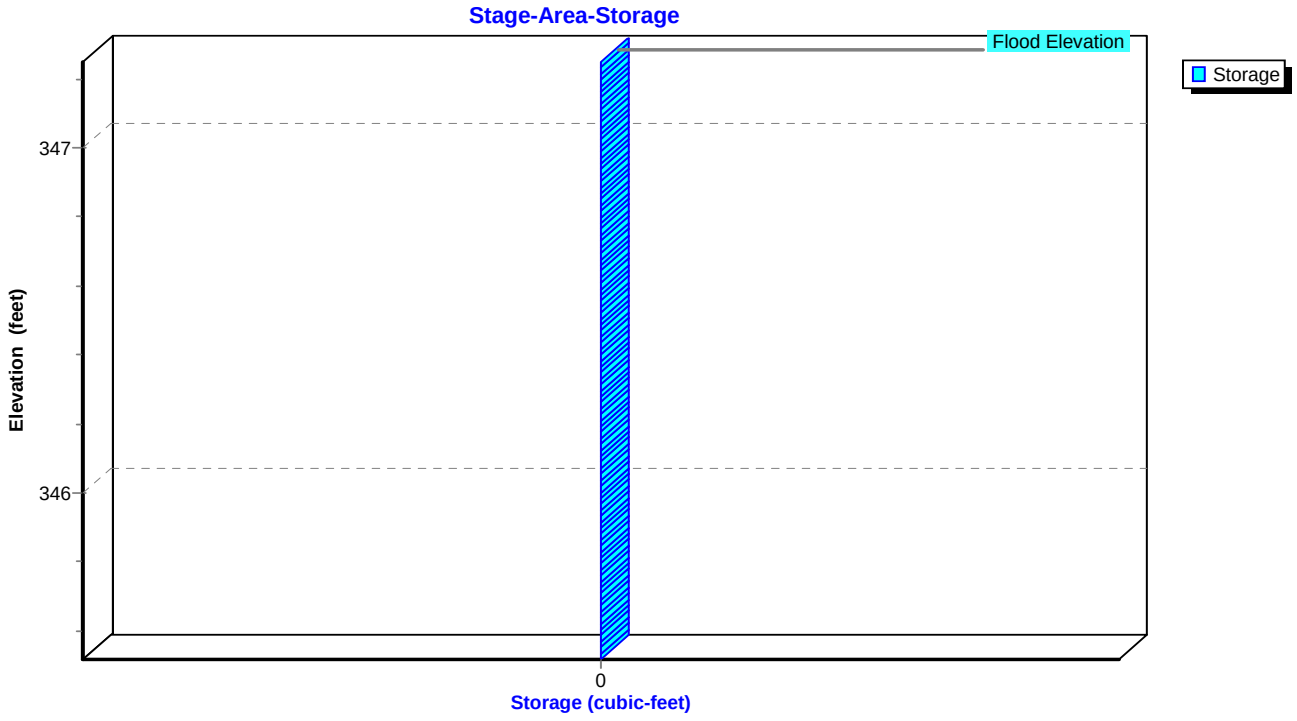
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

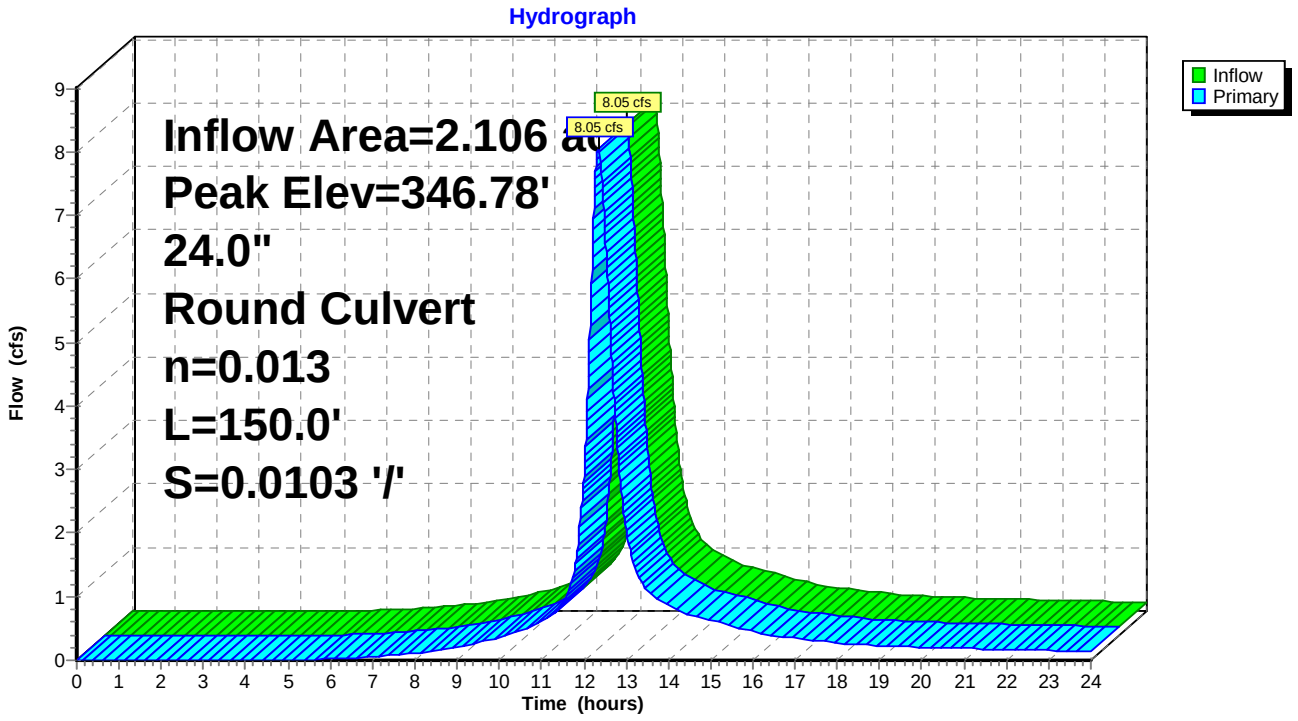
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.48" for 100-Year event
Inflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af
Outflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af, Atten= 0%, Lag= 0.0 min
Primary = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.78' @ 12.32 hrs
Flood Elev= 348.80'

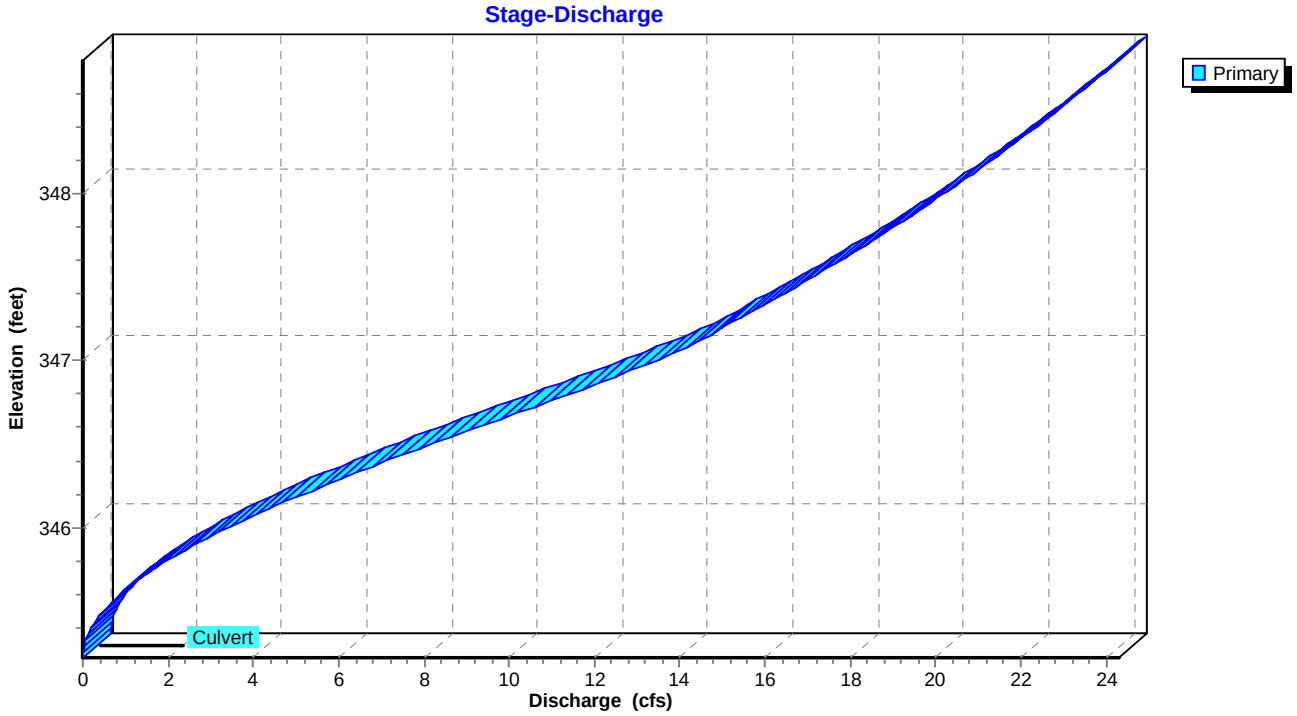
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=8.18 cfs @ 12.34 hrs HW=346.76' TW=345.84' (Dynamic Tailwater)
1=Culvert (Outlet Controls 8.18 cfs @ 4.34 fps)

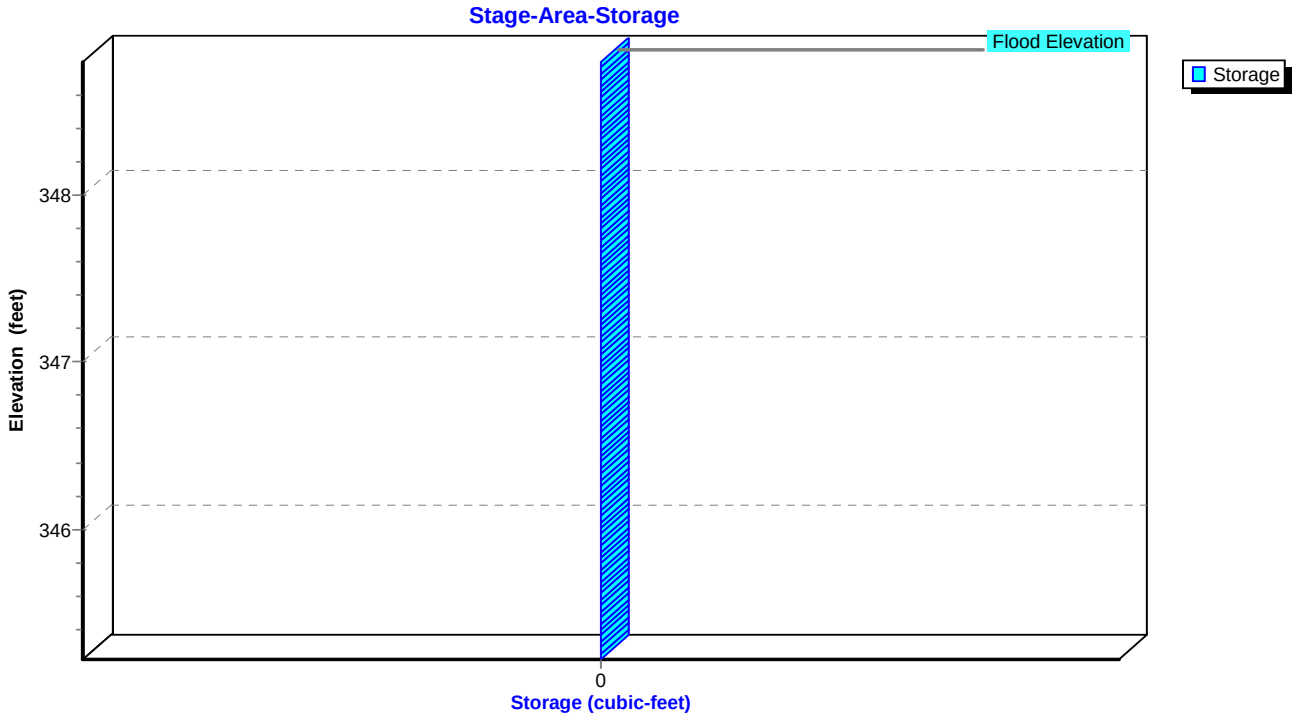
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.01	345.26	0.01
6.00	0.02	345.28	0.02
6.50	0.03	345.30	0.03
7.00	0.05	345.32	0.05
7.50	0.08	345.33	0.08
8.00	0.11	345.35	0.11
8.50	0.15	345.37	0.15
9.00	0.21	345.40	0.21
9.50	0.28	345.43	0.28
10.00	0.36	345.46	0.36
10.50	0.47	345.50	0.47
11.00	0.62	345.54	0.62
11.50	0.91	345.61	0.91
12.00	**2.90**	**345.95**	**2.90**
12.50	**6.82**	**346.47**	**6.82**
13.00	2.08	345.82	2.08
13.50	1.10	345.65	1.10
14.00	0.87	345.60	0.87
14.50	0.72	345.56	0.72
15.00	0.63	345.54	0.63
15.50	0.54	345.52	0.54
16.00	0.46	345.49	0.46
16.50	0.39	345.47	0.39
17.00	0.34	345.46	0.34
17.50	0.31	345.44	0.31
18.00	0.27	345.43	0.27
18.50	0.24	345.42	0.24
19.00	0.23	345.41	0.23
19.50	0.22	345.41	0.22
20.00	0.20	345.40	0.20
20.50	0.19	345.40	0.19
21.00	0.19	345.39	0.19
21.50	0.18	345.39	0.18
22.00	0.17	345.38	0.17
22.50	0.16	345.38	0.16
23.00	0.15	345.38	0.15
23.50	0.14	345.37	0.14
24.00	0.14	345.37	0.14

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

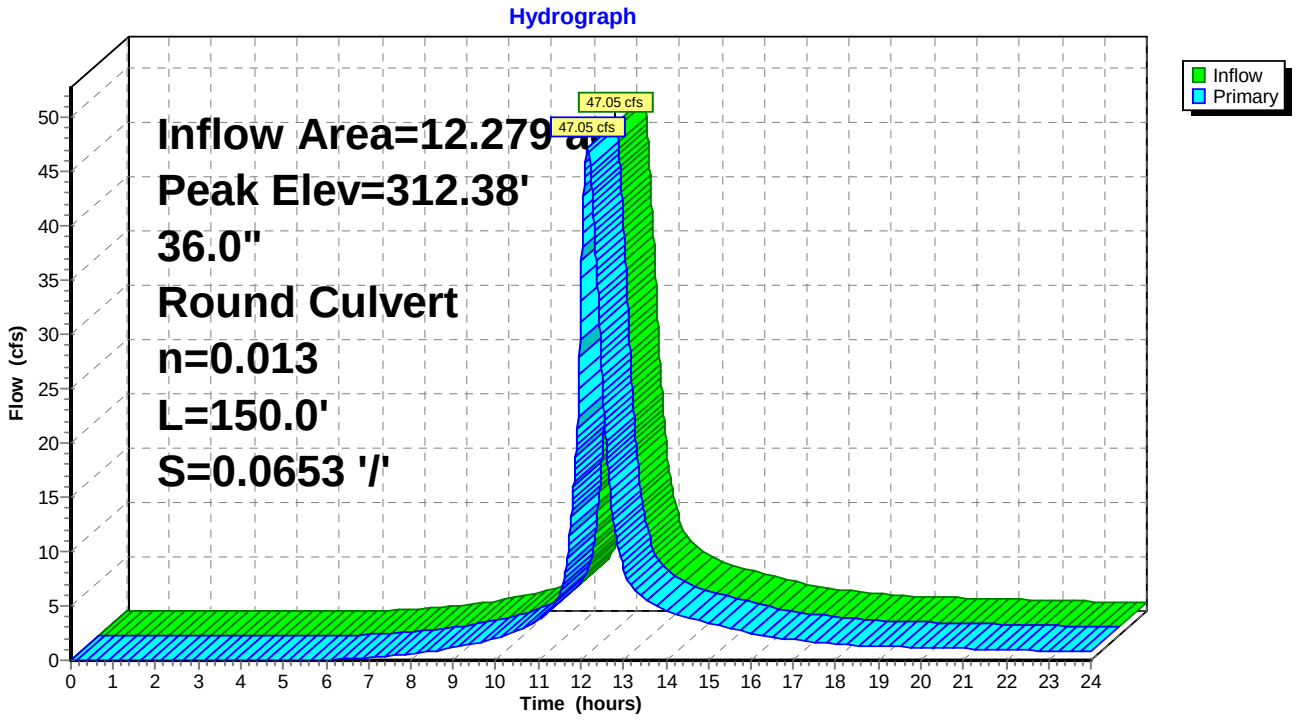
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 5.25" for 100-Year event
Inflow = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af
Outflow = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af, Atten= 0%, Lag= 0.0 min
Primary = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.38' @ 12.16 hrs
Flood Elev= 313.50'

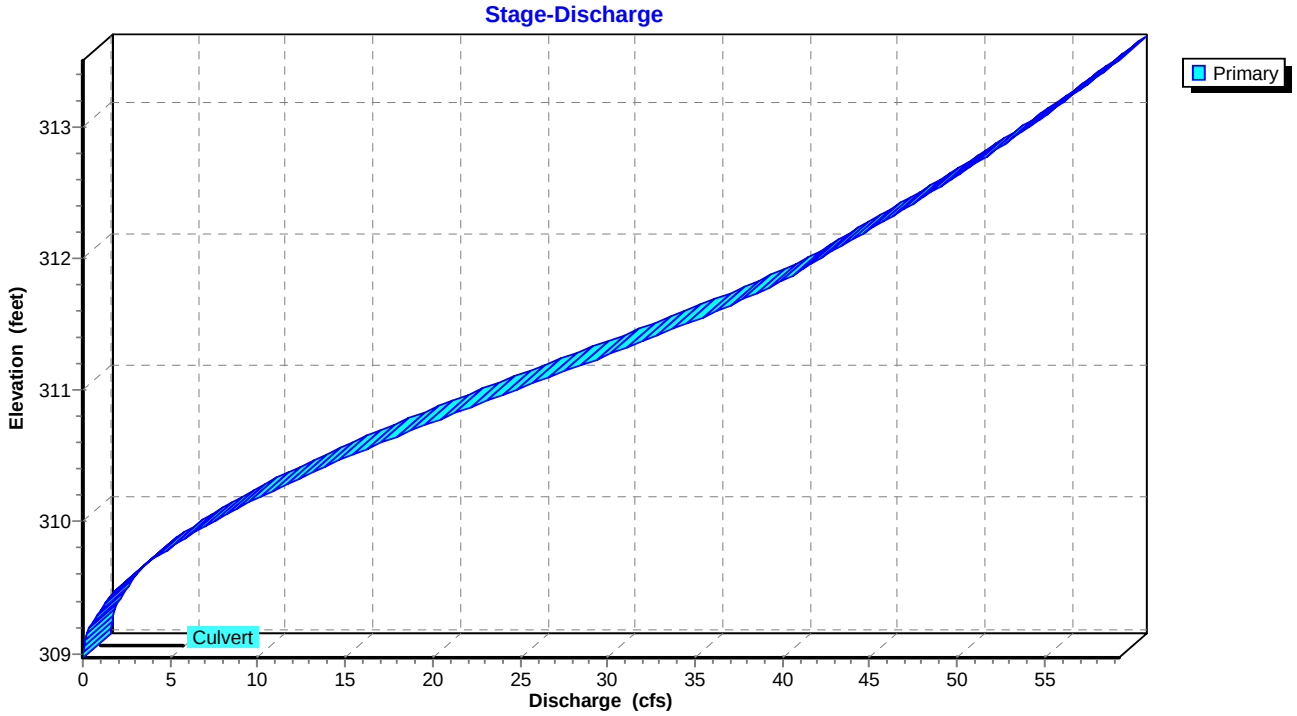
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=47.04 cfs @ 12.16 hrs HW=312.38' TW=303.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 47.04 cfs @ 6.65 fps)

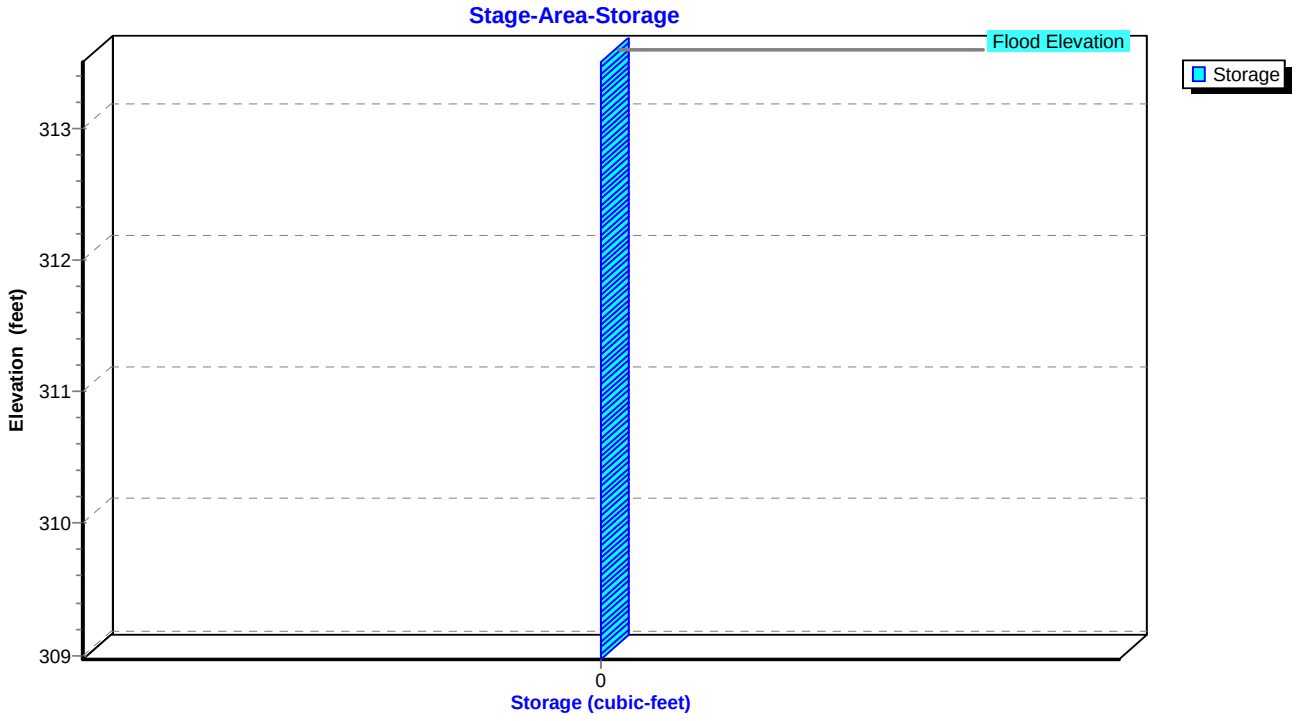
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.98	0.00
5.50	0.02	309.02	0.02
6.00	0.06	309.06	0.06
6.50	0.14	309.10	0.14
7.00	0.25	309.15	0.25
7.50	0.39	309.19	0.39
8.00	0.55	309.24	0.55
8.50	0.80	309.29	0.80
9.00	1.13	309.36	1.13
9.50	1.54	309.42	1.54
10.00	2.01	309.49	2.01
10.50	2.72	309.58	2.72
11.00	3.66	309.68	3.66
11.50	5.95	309.89	5.95
12.00	**33.11**	**311.43**	**33.11**
12.50	**26.16**	**311.07**	**26.16**
13.00	8.50	310.08	8.50
13.50	5.65	309.86	5.65
14.00	4.59	309.77	4.59
14.50	3.90	309.70	3.90
15.00	3.41	309.65	3.41
15.50	2.93	309.60	2.93
16.00	2.44	309.54	2.44
16.50	2.12	309.50	2.12
17.00	1.90	309.47	1.90
17.50	1.69	309.44	1.69
18.00	1.47	309.41	1.47
18.50	1.35	309.39	1.35
19.00	1.28	309.38	1.28
19.50	1.22	309.37	1.22
20.00	1.15	309.36	1.15
20.50	1.10	309.35	1.10
21.00	1.05	309.34	1.05
21.50	1.00	309.33	1.00
22.00	0.95	309.32	0.95
22.50	0.91	309.32	0.91
23.00	0.86	309.31	0.86
23.50	0.81	309.30	0.81
24.00	0.76	309.29	0.76

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

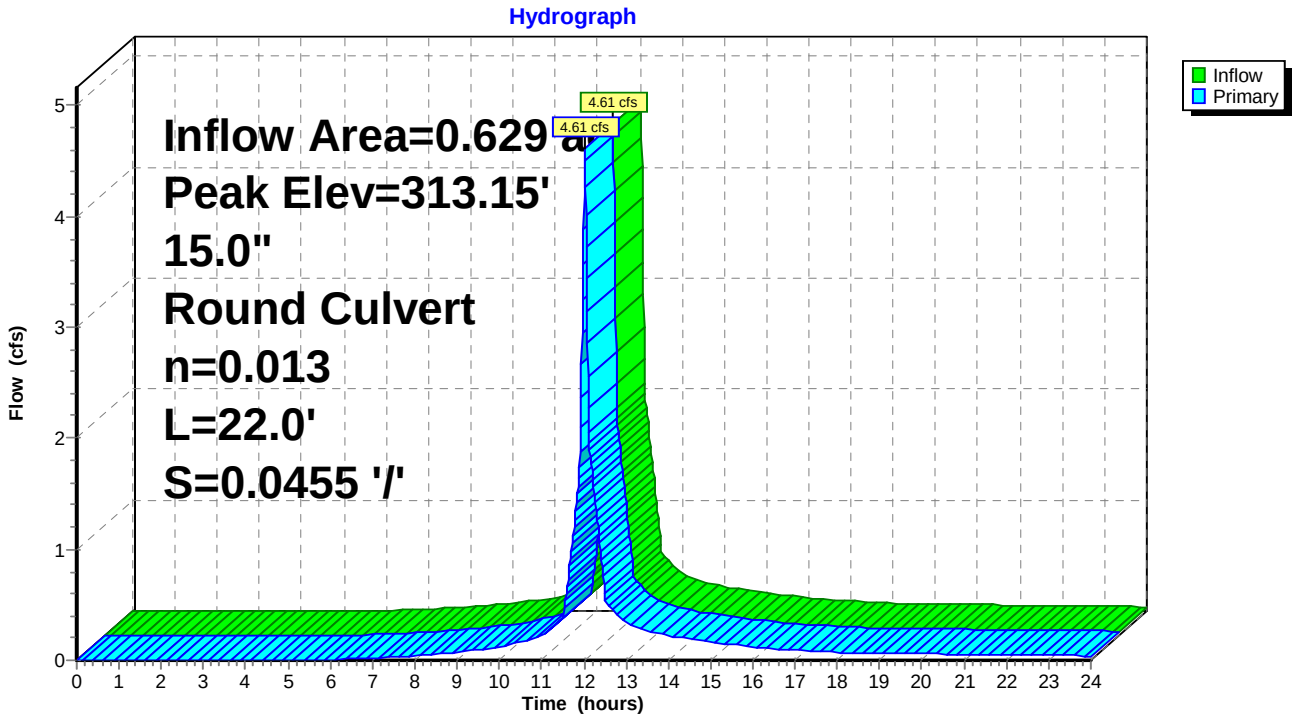
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 5.39" for 100-Year event
Inflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af
Outflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af, Atten= 0%, Lag= 0.0 min
Primary = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.15' @ 12.02 hrs
Flood Elev= 314.50'

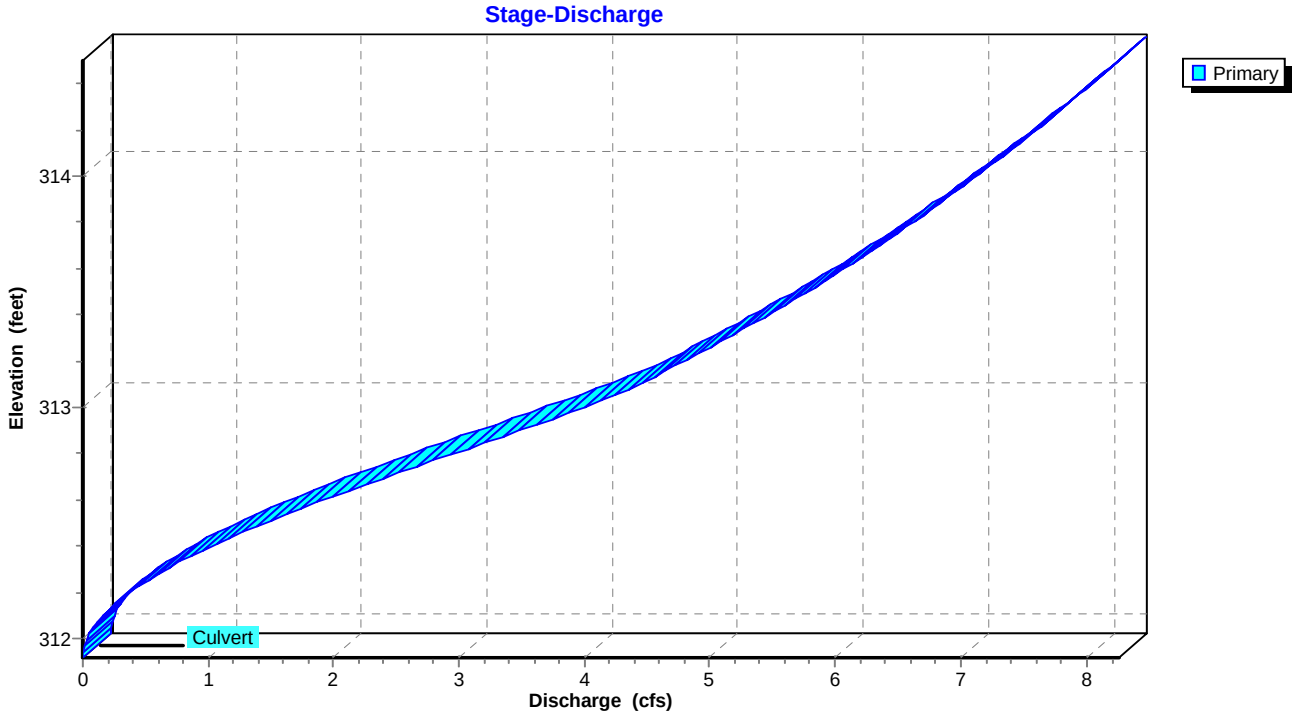
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.61 cfs @ 12.02 hrs HW=313.15' TW=311.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.61 cfs @ 3.77 fps)

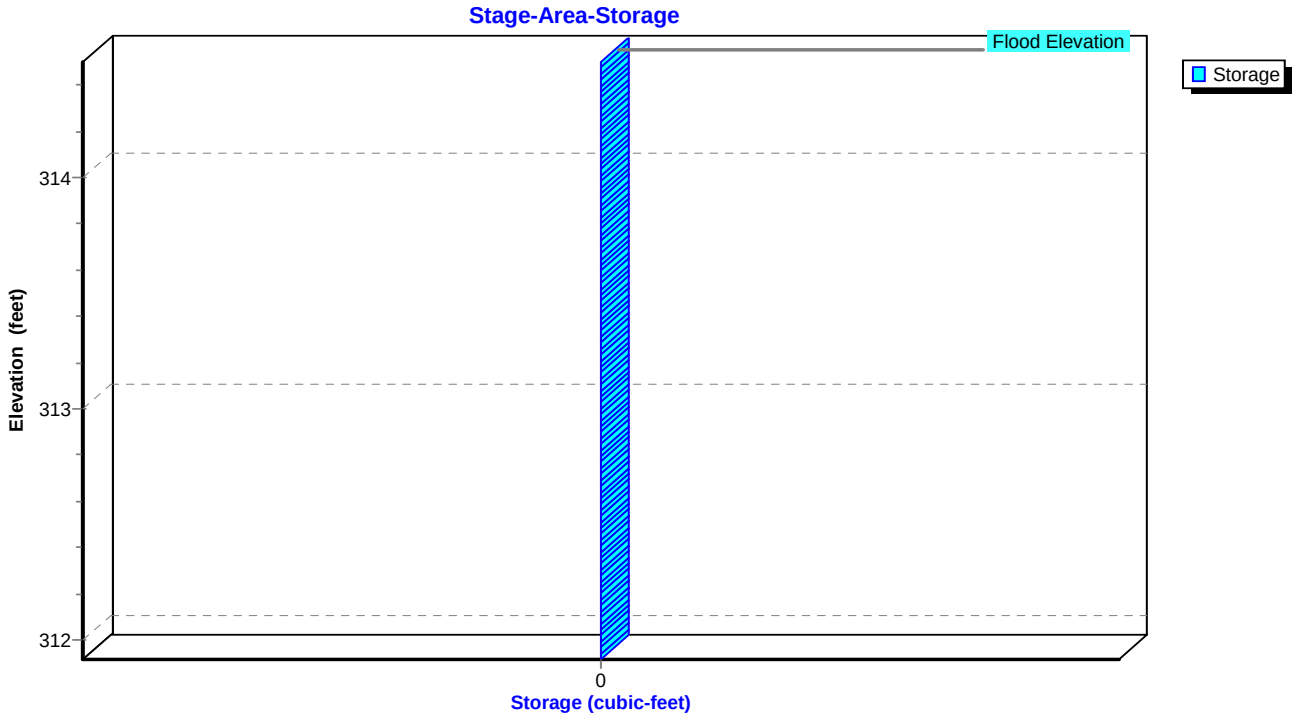
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.94	0.00
6.00	0.01	311.96	0.01
6.50	0.01	311.97	0.01
7.00	0.02	311.98	0.02
7.50	0.03	311.99	0.03
8.00	0.04	312.00	0.04
8.50	0.05	312.02	0.05
9.00	0.07	312.04	0.07
9.50	0.09	312.06	0.09
10.00	0.12	312.08	0.12
10.50	0.17	312.11	0.17
11.00	0.22	312.13	0.22
11.50	0.39	312.21	0.39
12.00	**4.19**	**313.04**	**4.19**
12.50	**0.59**	**312.28**	**0.59**
13.00	0.32	312.18	0.32
13.50	0.27	312.16	0.27
14.00	0.22	312.13	0.22
14.50	0.19	312.12	0.19
15.00	0.17	312.11	0.17
15.50	0.14	312.09	0.14
16.00	0.12	312.07	0.12
16.50	0.10	312.07	0.10
17.00	0.09	312.06	0.09
17.50	0.08	312.05	0.08
18.00	0.07	312.04	0.07
18.50	0.07	312.04	0.07
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.06	312.03	0.06
20.50	0.06	312.03	0.06
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.05	312.02	0.05
22.50	0.05	312.02	0.05
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.01	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

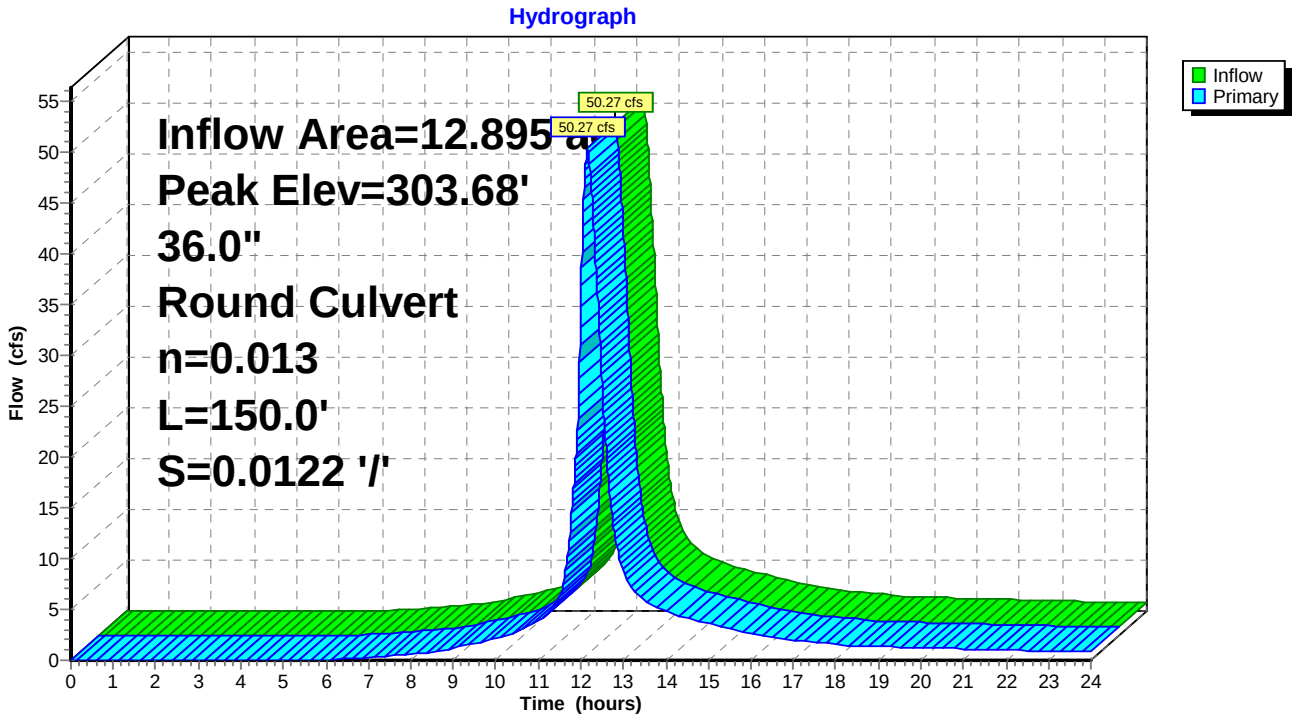
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 5.25" for 100-Year event
Inflow = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af
Outflow = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af, Atten= 0%, Lag= 0.0 min
Primary = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.68' @ 12.16 hrs
Flood Elev= 304.00'

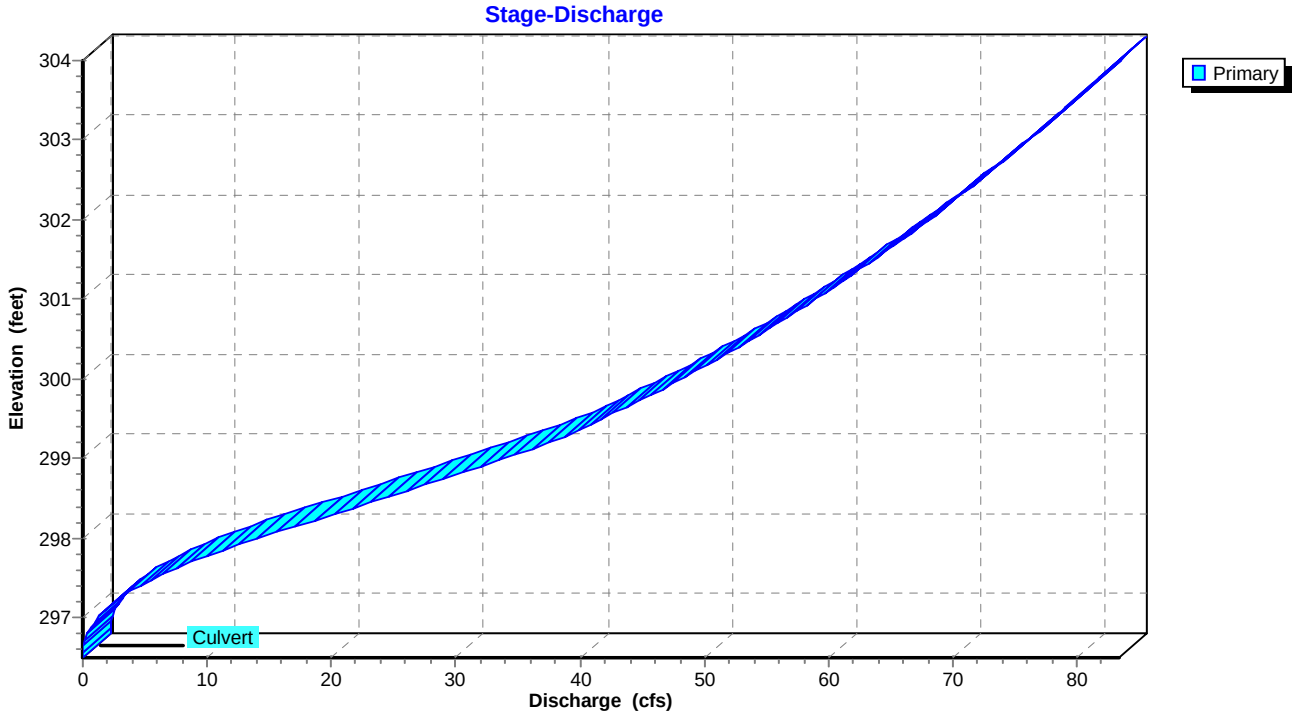
Device	Routing	Invert	Outlet Devices
#1	Primary	296.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.50' / 294.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=50.35 cfs @ 12.16 hrs HW=303.67' TW=301.48' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 50.35 cfs @ 7.12 fps)

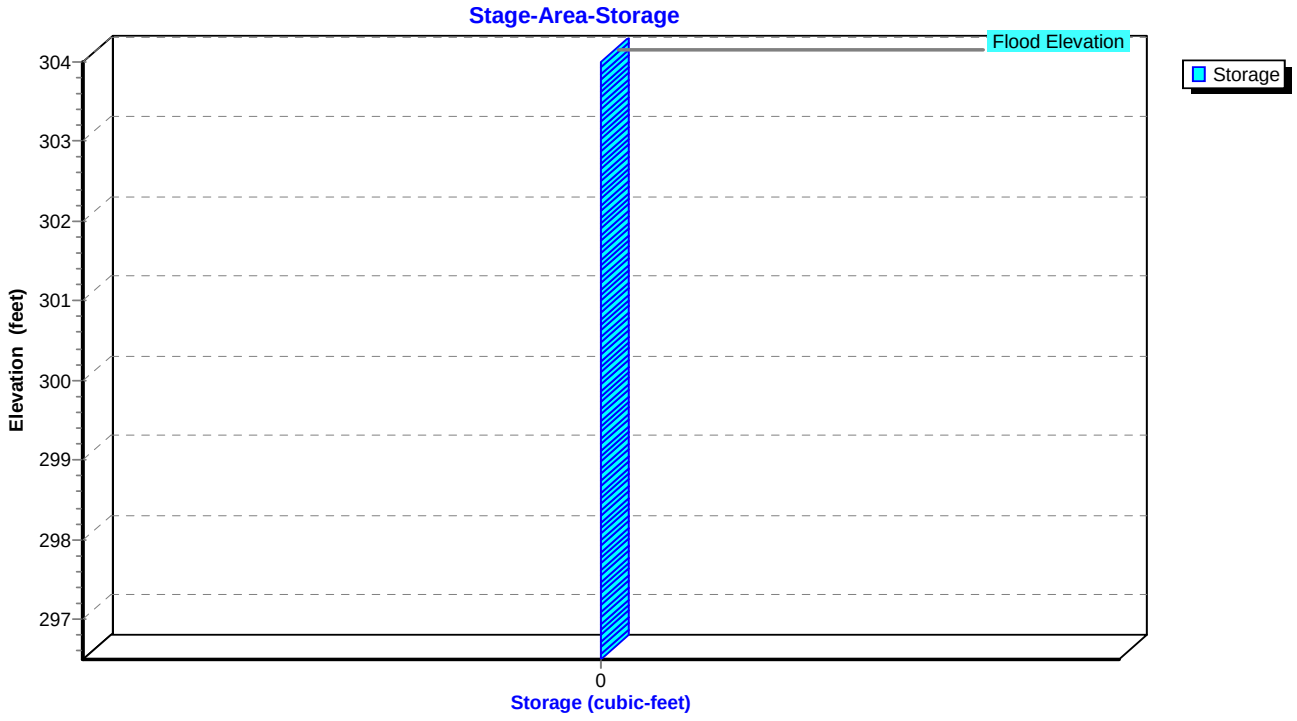
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.50	0.00
0.50	0.00	296.50	0.00
1.00	0.00	296.50	0.00
1.50	0.00	296.50	0.00
2.00	0.00	296.50	0.00
2.50	0.00	296.50	0.00
3.00	0.00	296.50	0.00
3.50	0.00	296.50	0.00
4.00	0.00	296.50	0.00
4.50	0.00	296.50	0.00
5.00	0.00	296.53	0.00
5.50	0.02	296.60	0.02
6.00	0.06	296.67	0.06
6.50	0.14	296.75	0.14
7.00	0.26	296.82	0.26
7.50	0.41	296.89	0.41
8.00	0.58	296.95	0.58
8.50	0.84	297.03	0.84
9.00	1.19	297.12	1.19
9.50	1.62	297.22	1.62
10.00	2.12	297.31	2.12
10.50	2.86	297.44	2.86
11.00	3.85	297.58	3.85
11.50	6.27	297.87	6.27
12.00	**34.75**	**300.15**	**34.75**
12.50	**27.22**	**299.57**	**27.22**
13.00	8.87	298.13	8.87
13.50	5.93	297.83	5.93
14.00	4.81	297.70	4.81
14.50	4.09	297.61	4.09
15.00	3.58	297.54	3.58
15.50	3.07	297.47	3.07
16.00	2.56	297.39	2.56
16.50	2.22	297.33	2.22
17.00	1.99	297.29	1.99
17.50	1.77	297.25	1.77
18.00	1.55	297.20	1.55
18.50	1.41	297.18	1.41
19.00	1.34	297.16	1.34
19.50	1.28	297.15	1.28
20.00	1.21	297.13	1.21
20.50	1.15	297.12	1.15
21.00	1.10	297.10	1.10
21.50	1.05	297.09	1.05
22.00	1.00	297.08	1.00
22.50	0.95	297.07	0.95
23.00	0.90	297.05	0.90
23.50	0.85	297.04	0.85
24.00	0.80	297.02	0.80

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.50	0.00	298.54	24.89	300.58	54.67	302.62	73.16
296.54	0.00	298.58	25.68	300.62	55.09	302.66	73.47
296.58	0.01	298.62	26.47	300.66	55.51	302.70	73.79
296.62	0.03	298.66	27.26	300.70	55.93	302.74	74.10
296.66	0.07	298.70	28.05	300.74	56.34	302.78	74.41
296.70	0.12	298.74	28.84	300.78	56.75	302.82	74.72
296.74	0.19	298.78	29.63	300.82	57.15	302.86	75.03
296.78	0.28	298.82	30.42	300.86	57.56	302.90	75.34
296.82	0.39	298.86	31.20	300.90	57.96	302.94	75.65
296.86	0.52	298.90	31.98	300.94	58.36	302.98	75.95
296.90	0.67	298.94	32.74	300.98	58.75	303.02	76.26
296.94	0.85	298.98	33.51	301.02	59.15	303.06	76.56
296.98	1.05	299.02	34.26	301.06	59.54	303.10	76.86
297.02	1.27	299.06	35.00	301.10	59.92	303.14	77.16
297.06	1.52	299.10	35.73	301.14	60.31	303.18	77.46
297.10	1.79	299.14	36.45	301.18	60.69	303.22	77.76
297.14	2.09	299.18	37.14	301.22	61.07	303.26	78.06
297.18	2.41	299.22	37.82	301.26	61.45	303.30	78.35
297.22	2.75	299.26	38.48	301.30	61.83	303.34	78.65
297.26	3.12	299.30	39.12	301.34	62.20	303.38	78.94
297.30	3.52	299.34	39.72	301.38	62.57	303.42	79.24
297.34	3.93	299.38	40.29	301.42	62.94	303.46	79.53
297.38	4.37	299.42	40.82	301.46	63.31	303.50	79.82
297.42	4.84	299.46	41.30	301.50	63.67	303.54	80.11
297.46	5.33	299.50	41.68	301.54	64.04	303.58	80.40
297.50	5.84	299.54	42.24	301.58	64.40	303.62	80.69
297.54	6.37	299.58	42.78	301.62	64.76	303.66	80.97
297.58	6.93	299.62	43.32	301.66	65.11	303.70	81.26
297.62	7.51	299.66	43.85	301.70	65.47	303.74	81.54
297.66	8.11	299.70	44.38	301.74	65.82	303.78	81.83
297.70	8.73	299.74	44.90	301.78	66.17	303.82	82.11
297.74	9.37	299.78	45.41	301.82	66.52	303.86	82.39
297.78	10.04	299.82	45.92	301.86	66.87	303.90	82.67
297.82	10.72	299.86	46.42	301.90	67.21	303.94	82.95
297.86	11.43	299.90	46.91	301.94	67.56	303.98	**83.23**
297.90	12.15	299.94	47.41	301.98	67.90		
297.94	12.90	299.98	47.89	302.02	68.24		
297.98	13.66	300.02	48.37	302.06	68.58		
298.02	14.44	300.06	48.85	302.10	68.92		
298.06	15.24	300.10	49.32	302.14	69.25		
298.10	16.06	300.14	49.79	302.18	69.58		
298.14	16.89	300.18	50.25	302.22	69.92		
298.18	17.75	300.22	50.71	302.26	70.25		
298.22	18.61	300.26	51.17	302.30	70.58		
298.26	19.47	300.30	51.62	302.34	70.90		
298.30	20.23	300.34	52.06	302.38	71.23		
298.34	20.99	300.38	52.51	302.42	71.55		
298.38	21.76	300.42	52.95	302.46	71.88		
298.42	22.54	300.46	53.38	302.50	72.20		
298.46	23.32	300.50	53.81	302.54	72.52		
298.50	24.10	300.54	54.24	302.58	72.84		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.50	**0**	301.60	0
296.60	0	301.70	0
296.70	0	301.80	0
296.80	0	301.90	0
296.90	0	302.00	0
297.00	0	302.10	0
297.10	0	302.20	0
297.20	0	302.30	0
297.30	0	302.40	0
297.40	0	302.50	0
297.50	0	302.60	0
297.60	0	302.70	0
297.70	0	302.80	0
297.80	0	302.90	0
297.90	0	303.00	0
298.00	0	303.10	0
298.10	0	303.20	0
298.20	0	303.30	0
298.30	0	303.40	0
298.40	0	303.50	0
298.50	0	303.60	0
298.60	0	303.70	0
298.70	0	303.80	0
298.80	0	303.90	0
298.90	0	304.00	0
299.00	0		
299.10	0		
299.20	0		
299.30	0		
299.40	0		
299.50	0		
299.60	0		
299.70	0		
299.80	0		
299.90	0		
300.00	0		
300.10	0		
300.20	0		
300.30	0		
300.40	0		
300.50	0		
300.60	0		
300.70	0		
300.80	0		
300.90	0		
301.00	0		
301.10	0		
301.20	0		
301.30	0		
301.40	0		
301.50	0		

Summary for Pond CB11-1: CB1-1

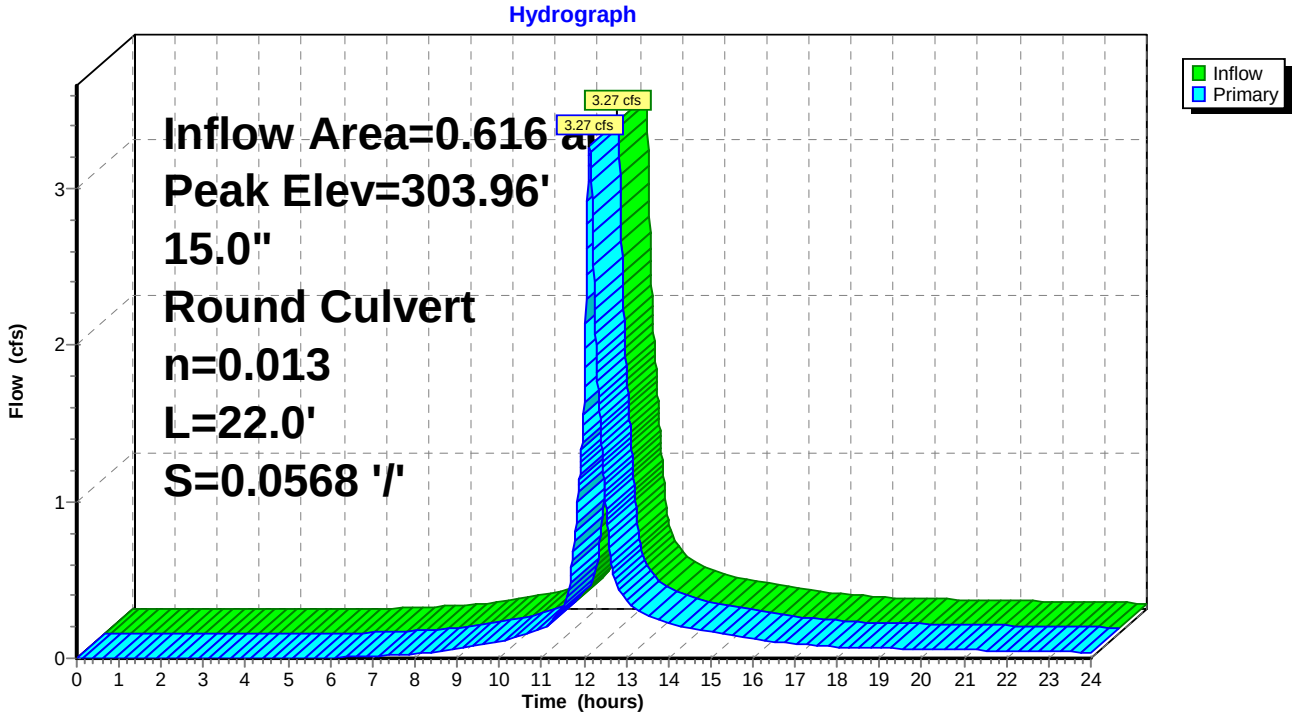
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 5.26" for 100-Year event
Inflow = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af
Outflow = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af, Atten= 0%, Lag= 0.0 min
Primary = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.96' @ 12.17 hrs
Flood Elev= 304.80'

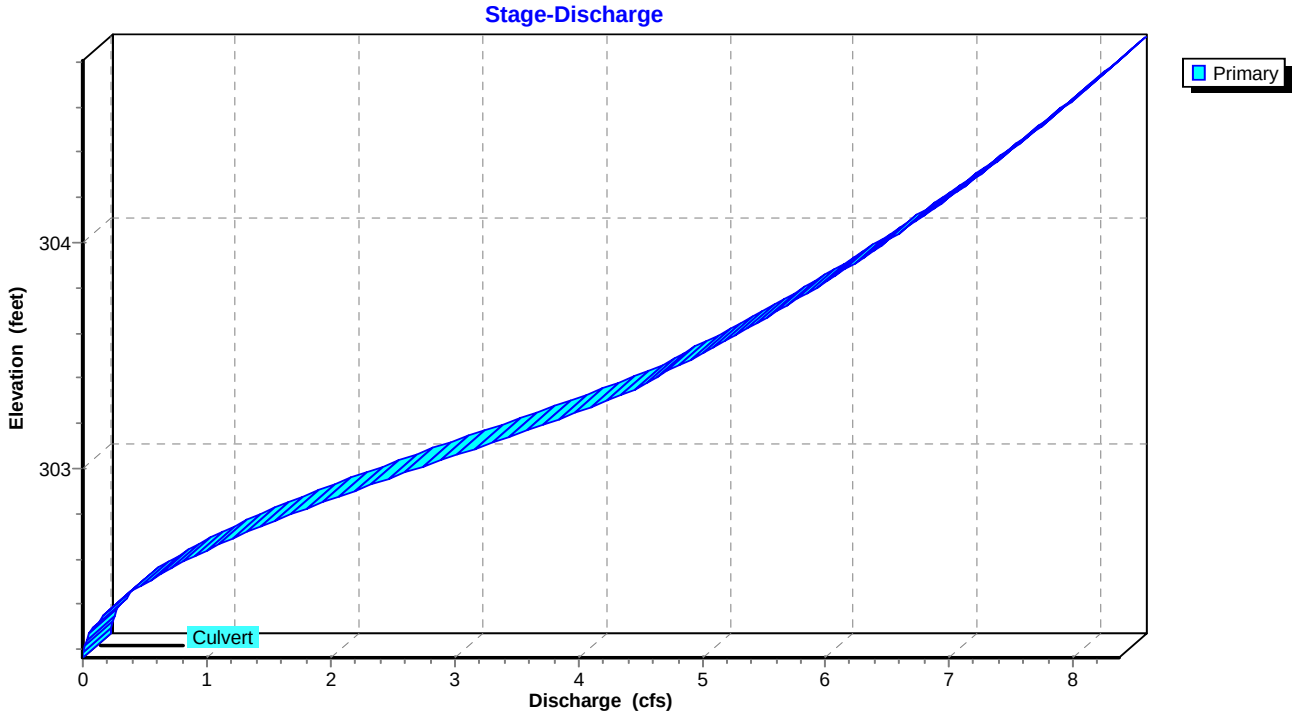
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.37 cfs @ 12.14 hrs HW=303.70' TW=303.54' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.37 cfs @ 1.93 fps)

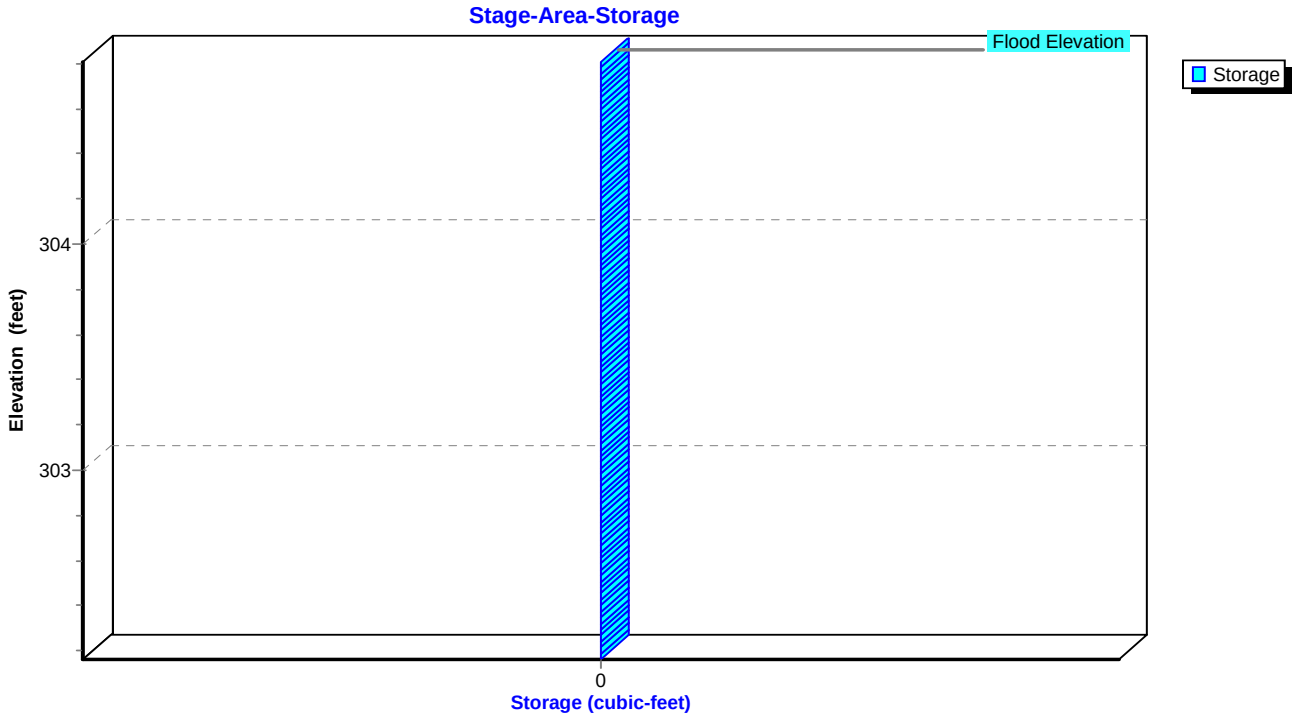
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.20	0.00
6.50	0.01	302.21	0.01
7.00	0.01	302.22	0.01
7.50	0.02	302.23	0.02
8.00	0.03	302.25	0.03
8.50	0.04	302.26	0.04
9.00	0.06	302.28	0.06
9.50	0.08	302.30	0.08
10.00	0.10	302.32	0.10
10.50	0.14	302.34	0.14
11.00	0.19	302.37	0.19
11.50	0.32	302.43	0.32
12.00	**1.64**	**302.79**	**1.64**
12.50	**1.07**	**302.66**	**1.07**
13.00	0.37	302.45	0.37
13.50	0.27	302.41	0.27
14.00	0.22	302.39	0.22
14.50	0.19	302.37	0.19
15.00	0.17	302.36	0.17
15.50	0.14	302.34	0.14
16.00	0.12	302.33	0.12
16.50	0.10	302.32	0.10
17.00	0.09	302.31	0.09
17.50	0.08	302.30	0.08
18.00	0.07	302.29	0.07
18.50	0.07	302.29	0.07
19.00	0.06	302.28	0.06
19.50	0.06	302.28	0.06
20.00	0.06	302.28	0.06
20.50	0.05	302.28	0.05
21.00	0.05	302.27	0.05
21.50	0.05	302.27	0.05
22.00	0.05	302.27	0.05
22.50	0.05	302.27	0.05
23.00	0.04	302.26	0.04
23.50	0.04	302.26	0.04
24.00	0.04	302.26	0.04

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

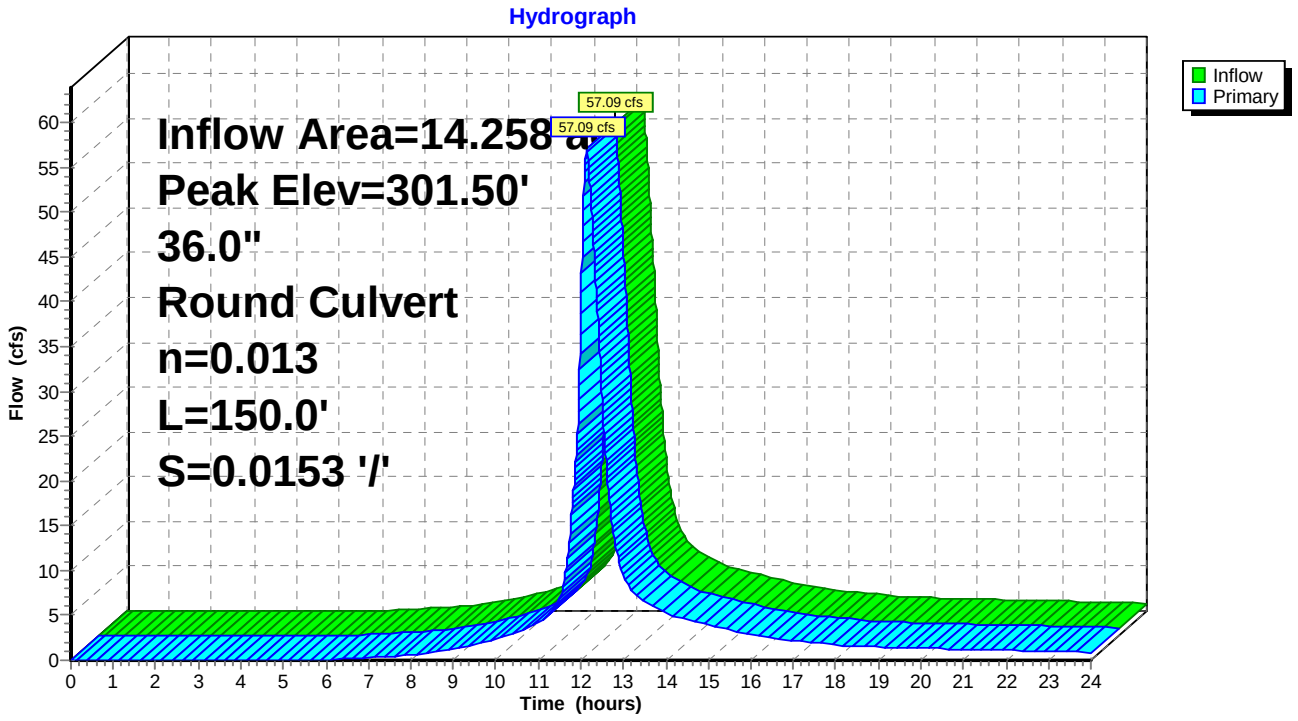
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 5.22" for 100-Year event
Inflow = 57.09 cfs @ 12.14 hrs, Volume= 6.202 af
Outflow = 57.09 cfs @ 12.14 hrs, Volume= 6.202 af, Atten= 0%, Lag= 0.0 min
Primary = 57.09 cfs @ 12.14 hrs, Volume= 6.202 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.50' @ 12.15 hrs
Flood Elev= 301.50'

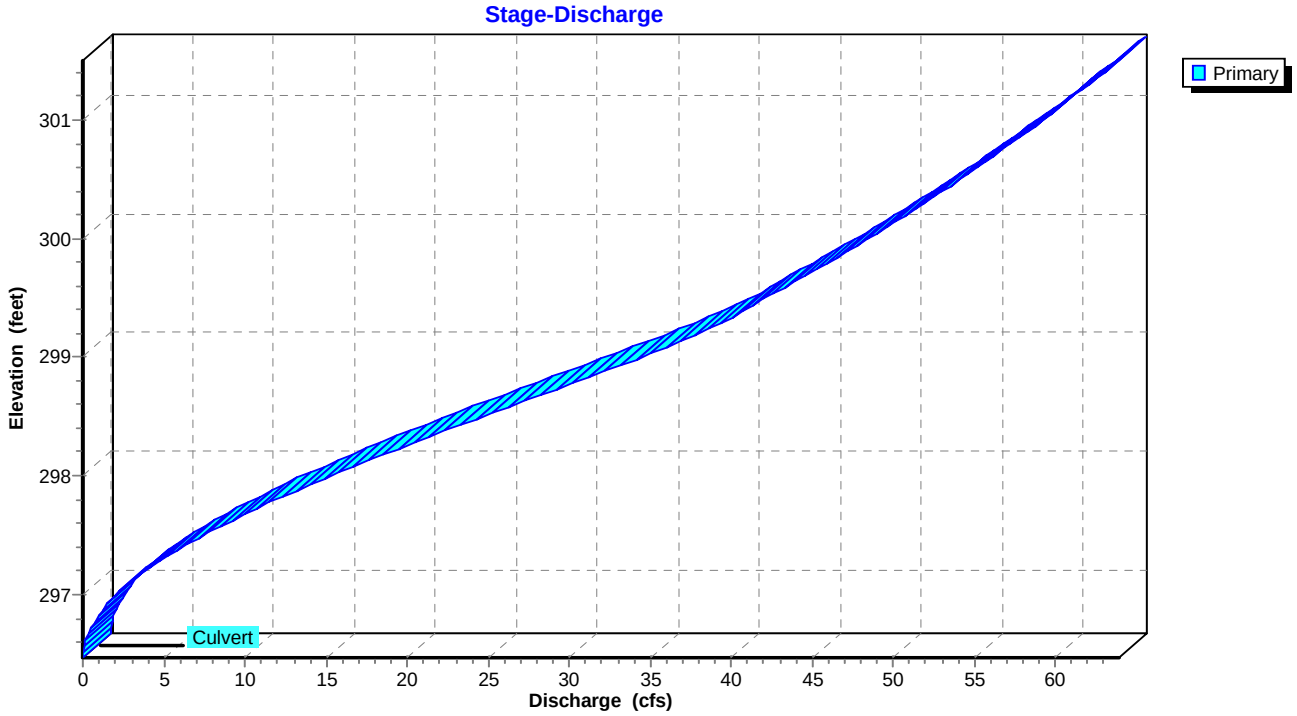
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=56.87 cfs @ 12.14 hrs HW=301.48' TW=298.69' (Dynamic Tailwater)
1=Culvert (Inlet Controls 56.87 cfs @ 8.05 fps)

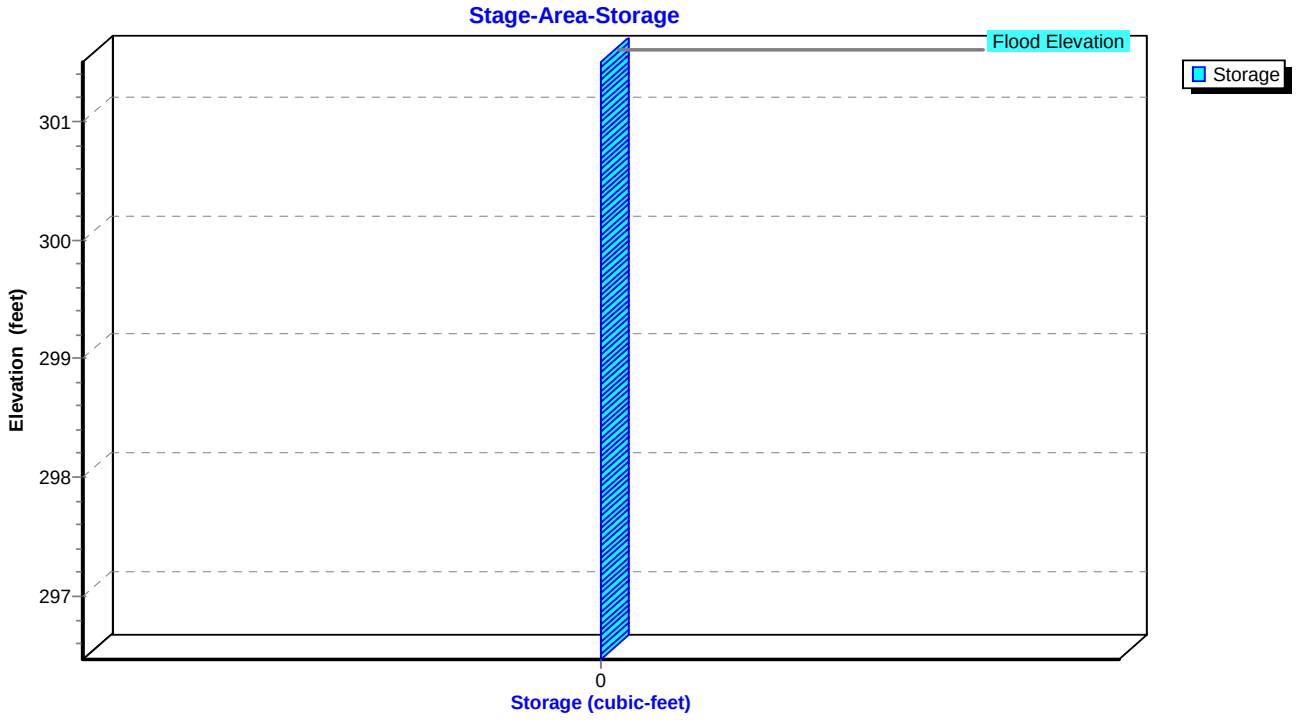
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.48	0.00
5.50	0.02	296.52	0.02
6.00	0.06	296.56	0.06
6.50	0.15	296.61	0.15
7.00	0.28	296.66	0.28
7.50	0.43	296.71	0.43
8.00	0.62	296.76	0.62
8.50	0.91	296.82	0.91
9.00	1.30	296.89	1.30
9.50	1.77	296.96	1.77
10.00	2.31	297.03	2.31
10.50	3.13	297.12	3.13
11.00	4.23	297.23	4.23
11.50	6.92	297.46	6.92
12.00	**38.63**	**299.24**	**38.63**
12.50	**29.22**	**298.73**	**29.22**
13.00	9.62	297.65	9.62
13.50	6.51	297.43	6.51
14.00	5.29	297.33	5.29
14.50	4.50	297.26	4.50
15.00	3.94	297.21	3.94
15.50	3.38	297.15	3.38
16.00	2.82	297.09	2.82
16.50	2.45	297.05	2.45
17.00	2.19	297.01	2.19
17.50	1.95	296.98	1.95
18.00	1.70	296.95	1.70
18.50	1.56	296.93	1.56
19.00	1.48	296.91	1.48
19.50	1.41	296.90	1.41
20.00	1.33	296.89	1.33
20.50	1.27	296.88	1.27
21.00	1.22	296.87	1.22
21.50	1.16	296.86	1.16
22.00	1.10	296.85	1.10
22.50	1.05	296.84	1.05
23.00	0.99	296.83	0.99
23.50	0.94	296.82	0.94
24.00	0.88	296.81	0.88

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	298.51	24.89	300.55	54.67
296.51	0.01	298.55	25.68	300.59	55.09
296.55	0.05	298.59	26.47	300.63	55.51
296.59	0.11	298.63	27.26	300.67	55.93
296.63	0.20	298.67	28.05	300.71	56.34
296.67	0.31	298.71	28.84	300.75	56.75
296.71	0.44	298.75	29.63	300.79	57.15
296.75	0.60	298.79	30.42	300.83	57.56
296.79	0.78	298.83	31.20	300.87	57.96
296.83	0.98	298.87	31.98	300.91	58.36
296.87	1.21	298.91	32.74	300.95	58.75
296.91	1.45	298.95	33.51	300.99	59.15
296.95	1.72	298.99	34.26	301.03	59.54
296.99	2.01	299.03	35.00	301.07	59.92
297.03	2.32	299.07	35.73	301.11	60.31
297.07	2.65	299.11	36.45	301.15	60.69
297.11	3.01	299.15	37.14	301.19	61.07
297.15	3.38	299.19	37.82	301.23	61.45
297.19	3.77	299.23	38.48	301.27	61.83
297.23	4.18	299.27	39.12	301.31	62.20
297.27	4.61	299.31	39.72	301.35	62.57
297.31	5.06	299.35	40.29	301.39	62.94
297.35	5.52	299.39	40.82	301.43	63.31
297.39	6.00	299.43	41.30	301.47	**63.67**
297.43	6.51	299.47	41.68		
297.47	7.02	299.51	42.24		
297.51	7.56	299.55	42.78		
297.55	8.11	299.59	43.32		
297.59	8.67	299.63	43.85		
297.63	9.25	299.67	44.38		
297.67	9.85	299.71	44.90		
297.71	10.46	299.75	45.41		
297.75	11.08	299.79	45.92		
297.79	11.72	299.83	46.42		
297.83	12.37	299.87	46.91		
297.87	13.03	299.91	47.41		
297.91	13.70	299.95	47.89		
297.95	14.39	299.99	48.37		
297.99	15.09	300.03	48.85		
298.03	15.79	300.07	49.32		
298.07	16.51	300.11	49.79		
298.11	17.24	300.15	50.25		
298.15	17.97	300.19	50.71		
298.19	18.72	300.23	51.17		
298.23	19.47	300.27	51.62		
298.27	20.23	300.31	52.06		
298.31	20.99	300.35	52.51		
298.35	21.76	300.39	52.95		
298.39	22.54	300.43	53.38		
298.43	23.32	300.47	53.81		
298.47	24.10	300.51	54.24		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	298.51	0	300.55	0
296.51	0	298.55	0	300.59	0
296.55	0	298.59	0	300.63	0
296.59	0	298.63	0	300.67	0
296.63	0	298.67	0	300.71	0
296.67	0	298.71	0	300.75	0
296.71	0	298.75	0	300.79	0
296.75	0	298.79	0	300.83	0
296.79	0	298.83	0	300.87	0
296.83	0	298.87	0	300.91	0
296.87	0	298.91	0	300.95	0
296.91	0	298.95	0	300.99	0
296.95	0	298.99	0	301.03	0
296.99	0	299.03	0	301.07	0
297.03	0	299.07	0	301.11	0
297.07	0	299.11	0	301.15	0
297.11	0	299.15	0	301.19	0
297.15	0	299.19	0	301.23	0
297.19	0	299.23	0	301.27	0
297.23	0	299.27	0	301.31	0
297.27	0	299.31	0	301.35	0
297.31	0	299.35	0	301.39	0
297.35	0	299.39	0	301.43	0
297.39	0	299.43	0	301.47	0
297.43	0	299.47	0		
297.47	0	299.51	0		
297.51	0	299.55	0		
297.55	0	299.59	0		
297.59	0	299.63	0		
297.63	0	299.67	0		
297.67	0	299.71	0		
297.71	0	299.75	0		
297.75	0	299.79	0		
297.79	0	299.83	0		
297.83	0	299.87	0		
297.87	0	299.91	0		
297.91	0	299.95	0		
297.95	0	299.99	0		
297.99	0	300.03	0		
298.03	0	300.07	0		
298.07	0	300.11	0		
298.11	0	300.15	0		
298.15	0	300.19	0		
298.19	0	300.23	0		
298.23	0	300.27	0		
298.27	0	300.31	0		
298.31	0	300.35	0		
298.35	0	300.39	0		
298.39	0	300.43	0		
298.43	0	300.47	0		
298.47	0	300.51	0		

Summary for Pond CB12-1: CB1-1

[58] Hint: Peaked 0.01' above defined flood level

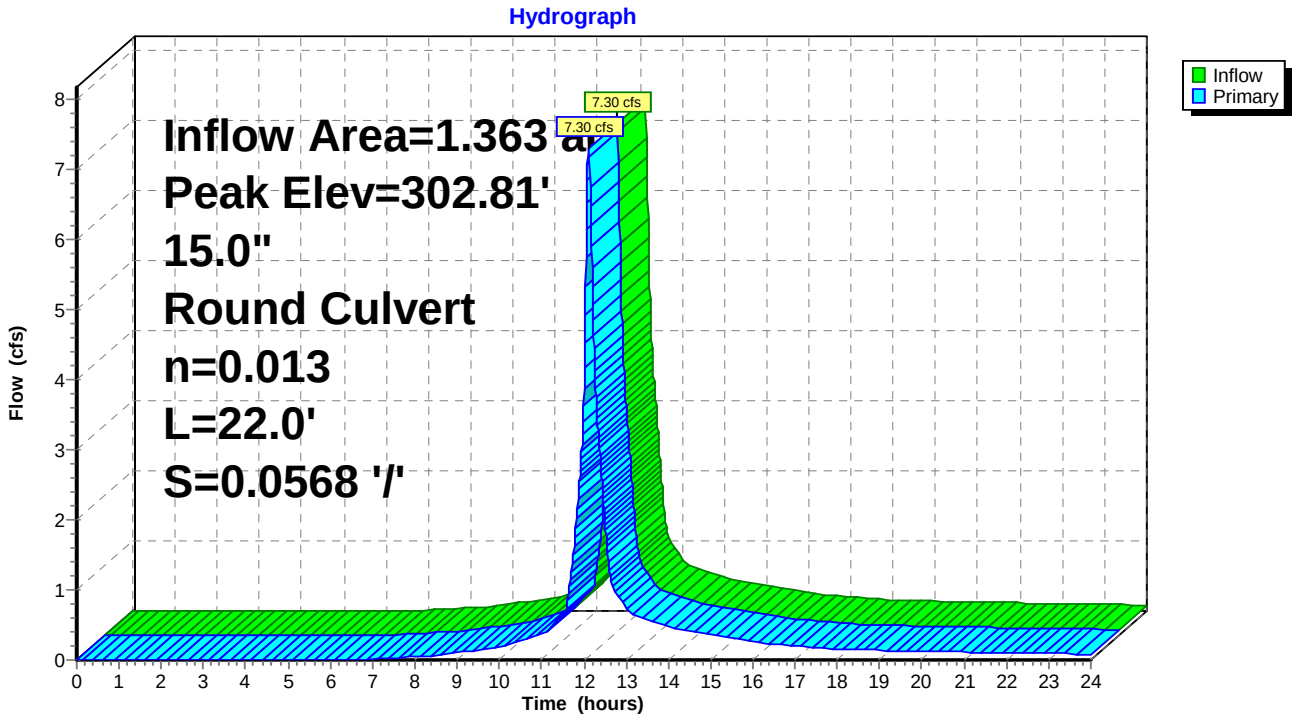
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 4.92" for 100-Year event
Inflow = 7.30 cfs @ 12.11 hrs, Volume= 0.559 af
Outflow = 7.30 cfs @ 12.11 hrs, Volume= 0.559 af, Atten= 0%, Lag= 0.0 min
Primary = 7.30 cfs @ 12.11 hrs, Volume= 0.559 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.81' @ 12.14 hrs
Flood Elev= 302.80'

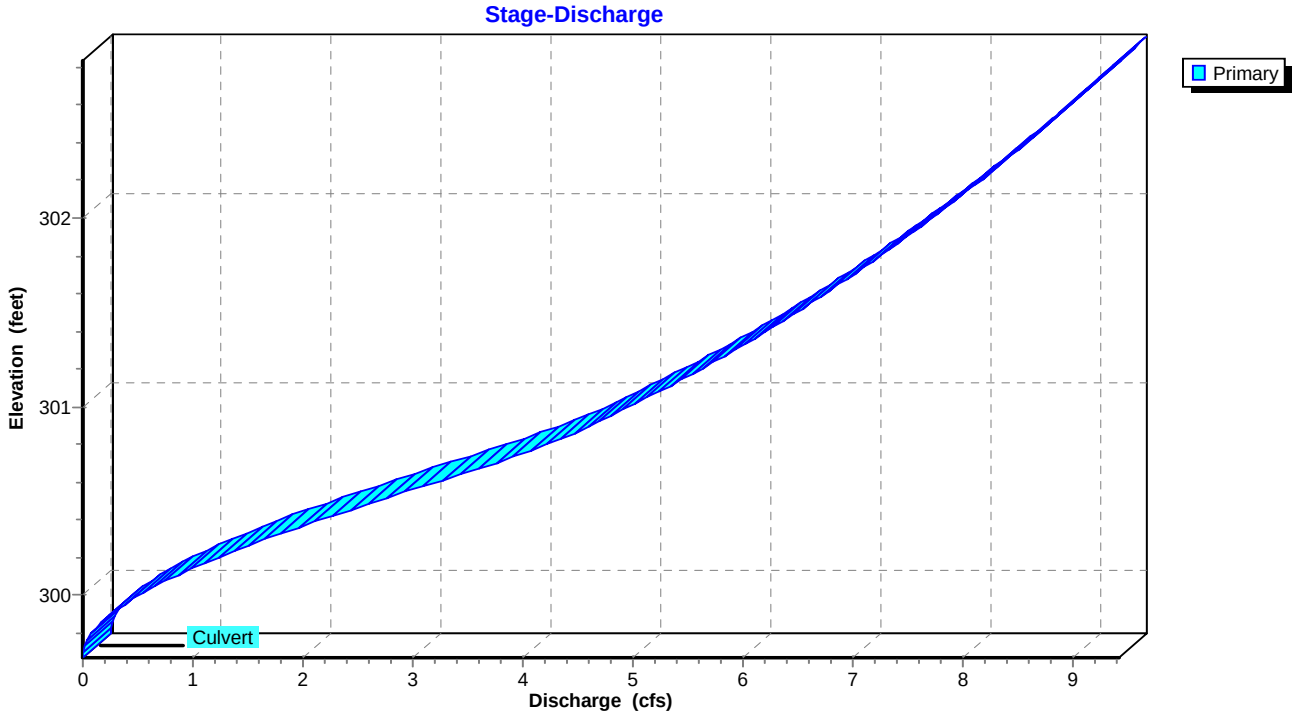
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.91 cfs @ 12.11 hrs HW=302.58' TW=301.21' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.91 cfs @ 5.63 fps)

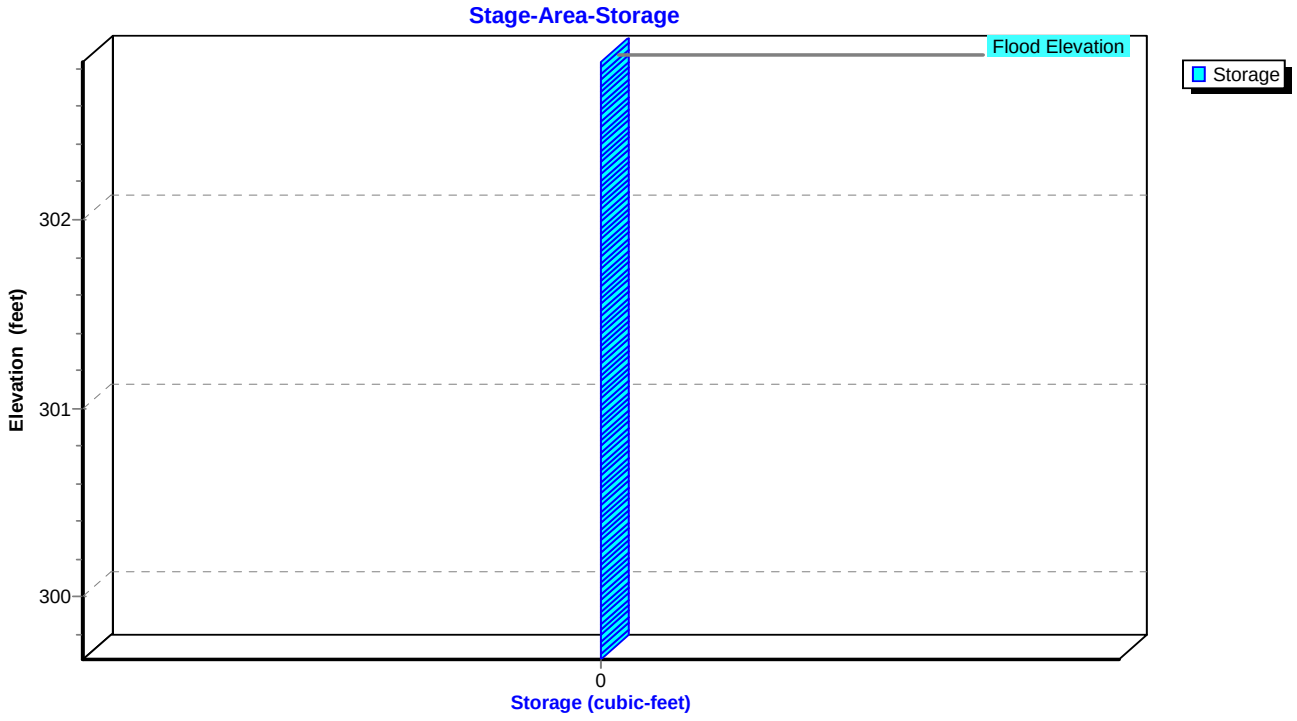
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.69	0.00
7.00	0.01	299.72	0.01
7.50	0.03	299.74	0.03
8.00	0.04	299.76	0.04
8.50	0.07	299.79	0.07
9.00	0.10	299.81	0.10
9.50	0.14	299.84	0.14
10.00	0.19	299.87	0.19
10.50	0.27	299.91	0.27
11.00	0.37	299.95	0.37
11.50	0.65	300.05	0.65
12.00	**3.88**	**300.73**	**3.88**
12.50	**2.00**	**300.37**	**2.00**
13.00	0.76	300.08	0.76
13.50	0.58	300.02	0.58
14.00	0.47	299.99	0.47
14.50	0.41	299.97	0.41
15.00	0.36	299.95	0.36
15.50	0.31	299.92	0.31
16.00	0.25	299.90	0.25
16.50	0.22	299.89	0.22
17.00	0.20	299.87	0.20
17.50	0.18	299.86	0.18
18.00	0.16	299.85	0.16
18.50	0.14	299.84	0.14
19.00	0.14	299.84	0.14
19.50	0.13	299.83	0.13
20.00	0.12	299.83	0.12
20.50	0.12	299.83	0.12
21.00	0.11	299.82	0.11
21.50	0.11	299.82	0.11
22.00	0.10	299.81	0.10
22.50	0.10	299.81	0.10
23.00	0.09	299.81	0.09
23.50	0.09	299.80	0.09
24.00	0.08	299.80	0.08

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03	302.73	9.22
299.69	0.00	300.71	3.79	301.73	7.08	302.75	9.26
299.71	0.01	300.73	3.89	301.75	7.13	302.77	9.30
299.73	0.02	300.75	3.99	301.77	7.18	302.79	9.33
299.75	0.03	300.77	4.08	301.79	7.22	302.81	9.37
299.77	0.05	300.79	4.18	301.81	7.27	302.83	**9.41**
299.79	0.07	300.81	4.27	301.83	7.32		
299.81	0.10	300.83	4.36	301.85	7.37		
299.83	0.12	300.85	4.44	301.87	7.42		
299.85	0.16	300.87	4.52	301.89	7.46		
299.87	0.19	300.89	4.59	301.91	7.51		
299.89	0.23	300.91	4.65	301.93	7.56		
299.91	0.27	300.93	4.71	301.95	7.60		
299.93	0.32	300.95	4.78	301.97	7.65		
299.95	0.37	300.97	4.85	301.99	7.69		
299.97	0.42	300.99	4.93	302.01	7.74		
299.99	0.48	301.01	5.00	302.03	7.78		
300.01	0.54	301.03	5.07	302.05	7.83		
300.03	0.60	301.05	5.13	302.07	7.87		
300.05	0.66	301.07	5.20	302.09	7.92		
300.07	0.73	301.09	5.27	302.11	7.96		
300.09	0.80	301.11	5.33	302.13	8.00		
300.11	0.87	301.13	5.40	302.15	8.05		
300.13	0.95	301.15	5.46	302.17	8.09		
300.15	1.02	301.17	5.53	302.19	8.13		
300.17	1.10	301.19	5.59	302.21	8.18		
300.19	1.19	301.21	5.65	302.23	8.22		
300.21	1.27	301.23	5.71	302.25	8.26		
300.23	1.36	301.25	5.77	302.27	8.30		
300.25	1.45	301.27	5.83	302.29	8.35		
300.27	1.54	301.29	5.89	302.31	8.39		
300.29	1.63	301.31	5.95	302.33	8.43		
300.31	1.72	301.33	6.01	302.35	8.47		
300.33	1.82	301.35	6.07	302.37	8.51		
300.35	1.92	301.37	6.13	302.39	8.55		
300.37	2.01	301.39	6.18	302.41	8.59		
300.39	2.11	301.41	6.24	302.43	8.63		
300.41	2.22	301.43	6.30	302.45	8.67		
300.43	2.32	301.45	6.35	302.47	8.71		
300.45	2.42	301.47	6.41	302.49	8.75		
300.47	2.53	301.49	6.46	302.51	8.79		
300.49	2.63	301.51	6.51	302.53	8.83		
300.51	2.74	301.53	6.57	302.55	8.87		
300.53	2.84	301.55	6.62	302.57	8.91		
300.55	2.95	301.57	6.67	302.59	8.95		
300.57	3.06	301.59	6.72	302.61	8.99		
300.59	3.16	301.61	6.78	302.63	9.03		
300.61	3.27	301.63	6.83	302.65	9.07		
300.63	3.37	301.65	6.88	302.67	9.11		
300.65	3.48	301.67	6.93	302.69	9.14		
300.67	3.58	301.69	6.98	302.71	9.18		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	302.22	0
299.72	0	302.27	0
299.77	0	302.32	0
299.82	0	302.37	0
299.87	0	302.42	0
299.92	0	302.47	0
299.97	0	302.52	0
300.02	0	302.57	0
300.07	0	302.62	0
300.12	0	302.67	0
300.17	0	302.72	0
300.22	0	302.77	0
300.27	0	302.82	0
300.32	0		
300.37	0		
300.42	0		
300.47	0		
300.52	0		
300.57	0		
300.62	0		
300.67	0		
300.72	0		
300.77	0		
300.82	0		
300.87	0		
300.92	0		
300.97	0		
301.02	0		
301.07	0		
301.12	0		
301.17	0		
301.22	0		
301.27	0		
301.32	0		
301.37	0		
301.42	0		
301.47	0		
301.52	0		
301.57	0		
301.62	0		
301.67	0		
301.72	0		
301.77	0		
301.82	0		
301.87	0		
301.92	0		
301.97	0		
302.02	0		
302.07	0		
302.12	0		
302.17	0		

Summary for Pond CB13: Catchbasin

[58] Hint: Peaked 0.19' above defined flood level

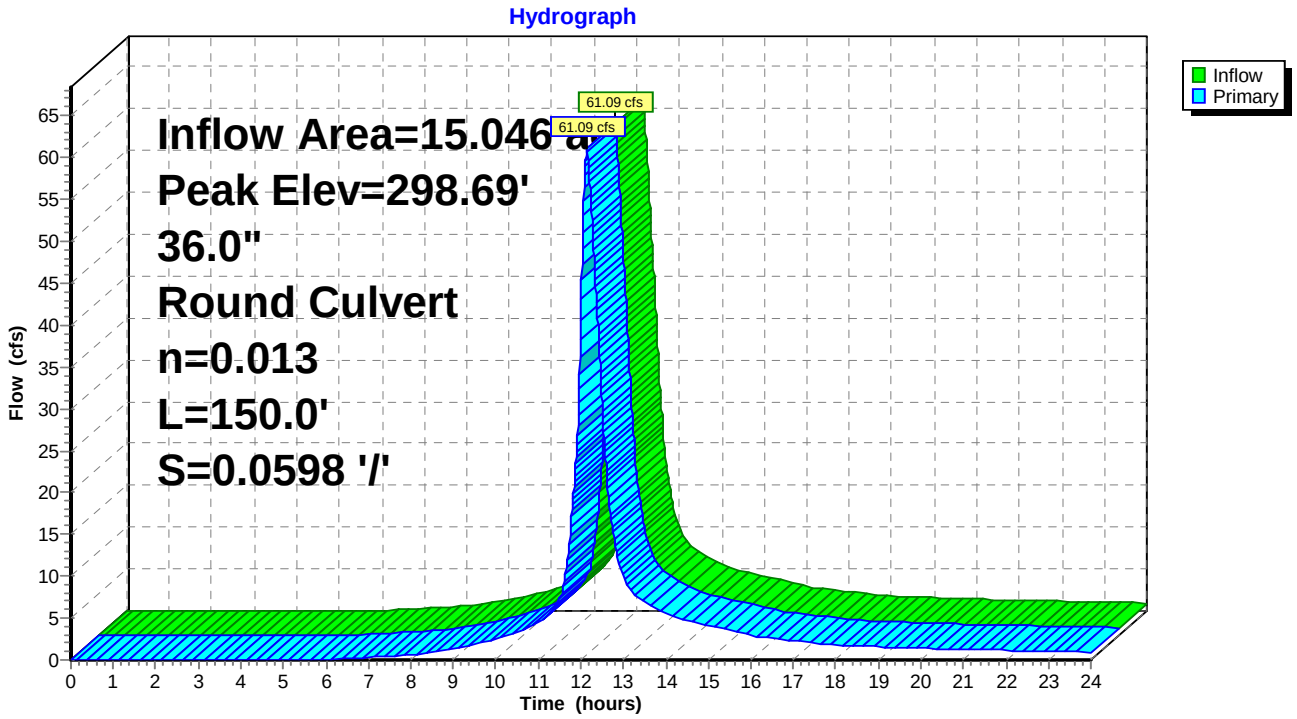
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 5.22" for 100-Year event
Inflow = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af
Outflow = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af, Atten= 0%, Lag= 0.0 min
Primary = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.69' @ 12.14 hrs
Flood Elev= 298.50'

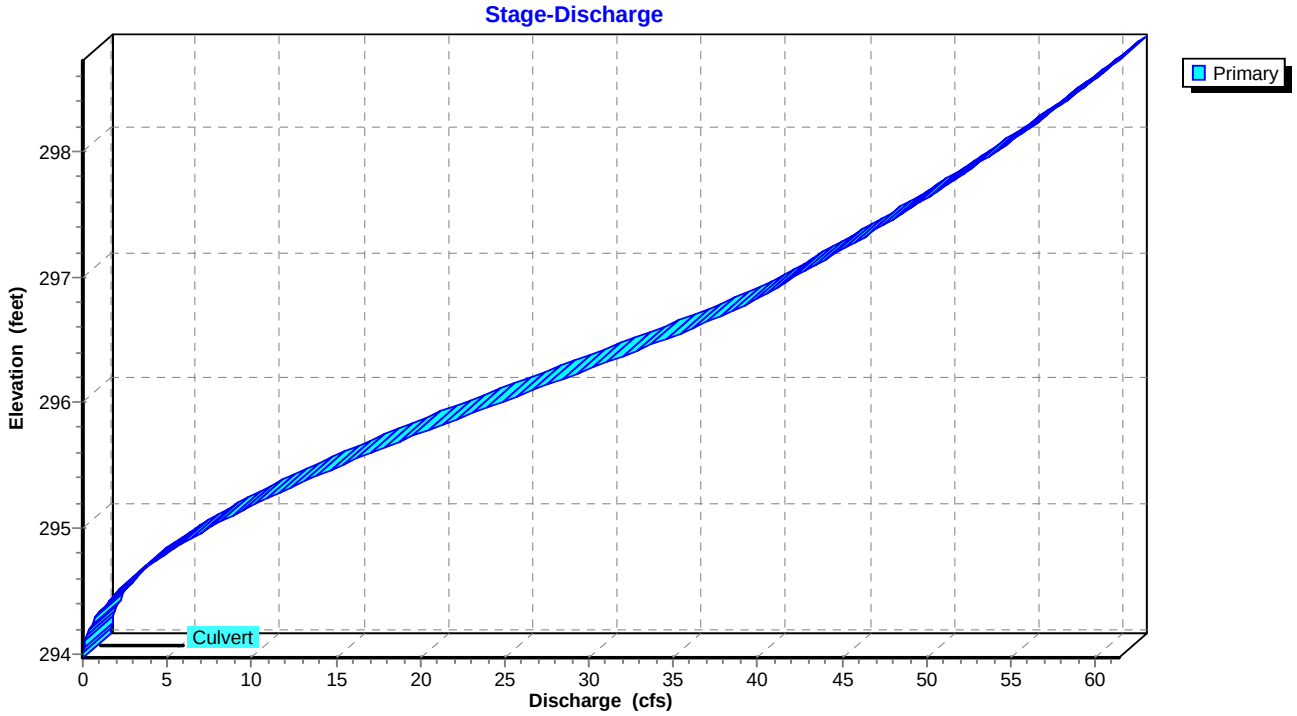
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 285.00' S= 0.0598 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=61.06 cfs @ 12.14 hrs HW=298.69' TW=289.72' (Dynamic Tailwater)
1=Culvert (Inlet Controls 61.06 cfs @ 8.64 fps)

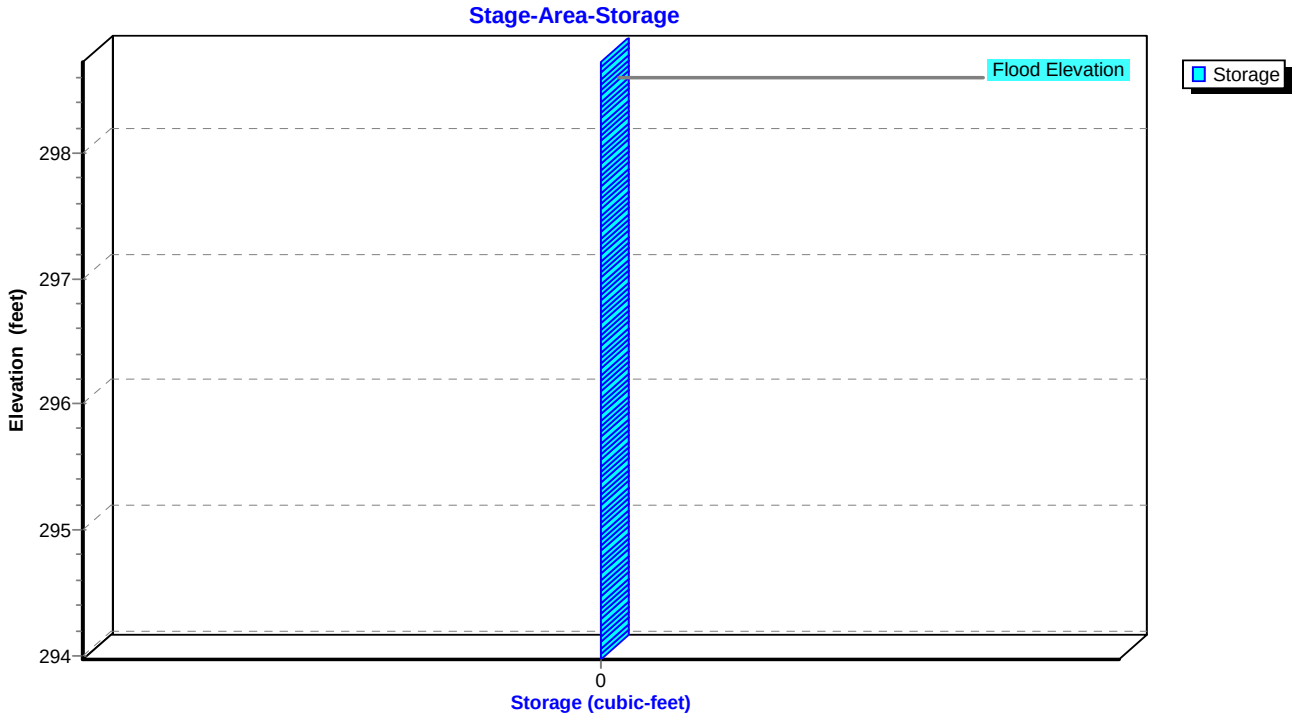
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.98	0.00
5.50	0.02	294.02	0.02
6.00	0.07	294.06	0.07
6.50	0.16	294.11	0.16
7.00	0.29	294.16	0.29
7.50	0.46	294.22	0.46
8.00	0.66	294.26	0.66
8.50	0.96	294.33	0.96
9.00	1.37	294.40	1.37
9.50	1.87	294.47	1.87
10.00	2.44	294.55	2.44
10.50	3.31	294.64	3.31
11.00	4.47	294.76	4.47
11.50	7.32	294.99	7.32
12.00	**40.58**	**296.87**	**40.58**
12.50	**30.69**	**296.30**	**30.69**
13.00	10.10	295.19	10.10
13.50	6.86	294.96	6.86
14.00	5.58	294.85	5.58
14.50	4.75	294.78	4.75
15.00	4.15	294.73	4.15
15.50	3.57	294.67	3.57
16.00	2.97	294.61	2.97
16.50	2.58	294.56	2.58
17.00	2.32	294.53	2.32
17.50	2.06	294.50	2.06
18.00	1.80	294.46	1.80
18.50	1.64	294.44	1.64
19.00	1.56	294.43	1.56
19.50	1.49	294.42	1.49
20.00	1.41	294.40	1.41
20.50	1.34	294.39	1.34
21.00	1.28	294.38	1.28
21.50	1.22	294.37	1.22
22.00	1.17	294.36	1.17
22.50	1.11	294.35	1.11
23.00	1.05	294.34	1.05
23.50	0.99	294.33	0.99
24.00	0.93	294.32	0.93

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	34.82
294.02	0.02	296.57	35.73
294.07	0.08	296.62	36.62
294.12	0.17	296.67	37.49
294.17	0.31	296.72	38.32
294.22	0.48	296.77	39.12
294.27	0.69	296.82	39.87
294.32	0.93	296.87	40.56
294.37	1.21	296.92	41.19
294.42	1.52	296.97	41.68
294.47	1.86	297.02	42.37
294.52	2.24	297.07	43.05
294.57	2.65	297.12	43.72
294.62	3.10	297.17	44.38
294.67	3.57	297.22	45.02
294.72	4.07	297.27	45.66
294.77	4.61	297.32	46.29
294.82	5.17	297.37	46.91
294.87	5.76	297.42	47.53
294.92	6.38	297.47	48.13
294.97	7.02	297.52	48.73
295.02	7.69	297.57	49.32
295.07	8.39	297.62	49.91
295.12	9.11	297.67	50.48
295.17	9.85	297.72	51.05
295.22	10.61	297.77	51.62
295.27	11.40	297.82	52.17
295.32	12.20	297.87	52.73
295.37	13.03	297.92	53.27
295.42	13.88	297.97	53.81
295.47	14.74	298.02	54.35
295.52	15.62	298.07	54.88
295.57	16.51	298.12	55.41
295.62	17.42	298.17	55.93
295.67	18.34	298.22	56.44
295.72	19.28	298.27	56.95
295.77	20.23	298.32	57.46
295.82	21.18	298.37	57.96
295.87	22.15	298.42	58.46
295.92	23.12	298.47	58.95
295.97	24.10	298.52	59.44
296.02	25.09	298.57	59.92
296.07	26.08	298.62	60.41
296.12	27.07	298.67	60.88
296.17	28.05	298.72	**61.36**
296.22	29.04		
296.27	30.03		
296.32	31.00		
296.37	31.98		
296.42	32.94		
296.47	33.88		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

[58] Hint: Peaked 0.15' above defined flood level

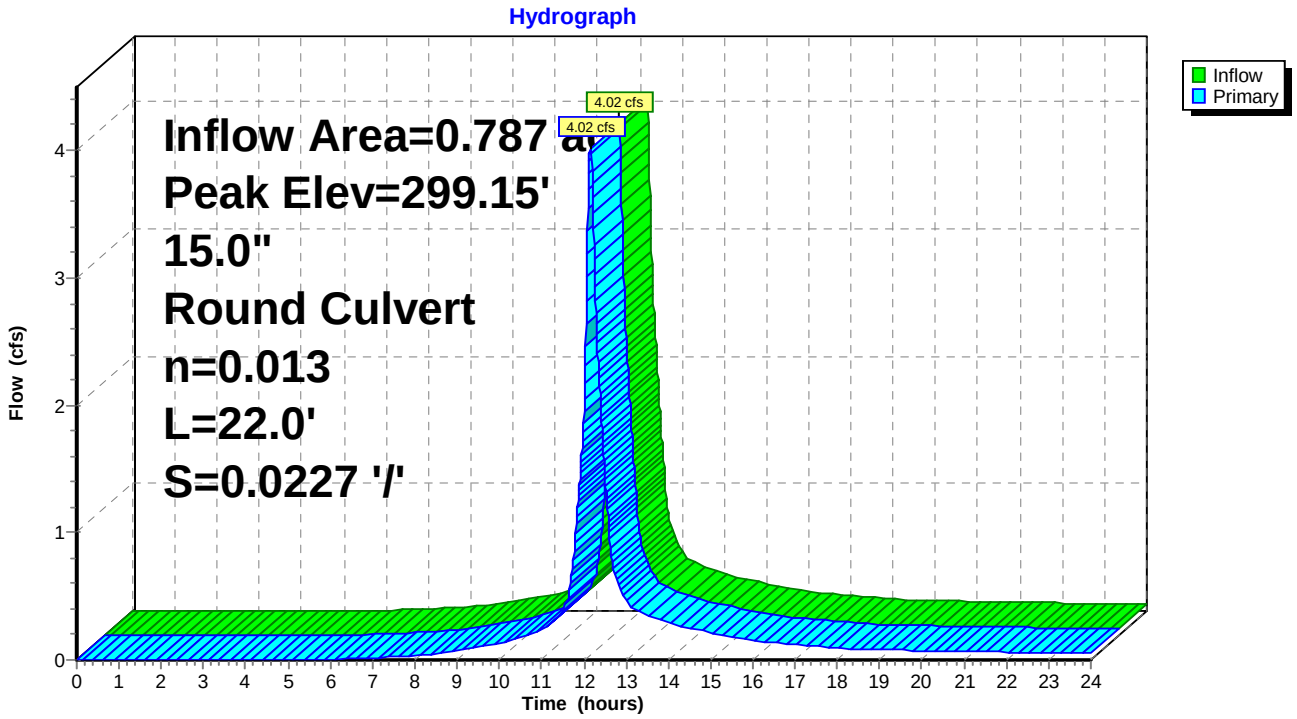
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 5.26" for 100-Year event
Inflow = 4.02 cfs @ 12.15 hrs, Volume= 0.345 af
Outflow = 4.02 cfs @ 12.15 hrs, Volume= 0.345 af, Atten= 0%, Lag= 0.0 min
Primary = 4.02 cfs @ 12.15 hrs, Volume= 0.345 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.15' @ 12.15 hrs
Flood Elev= 299.00'

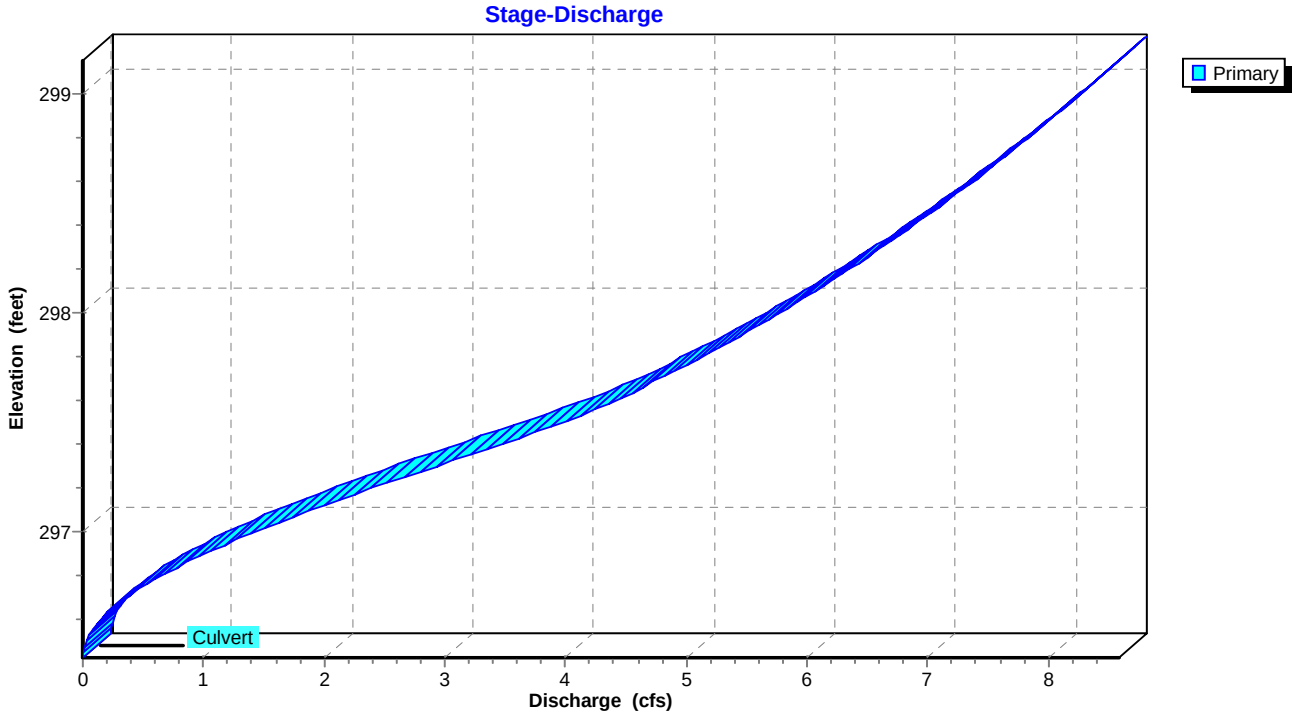
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.07 cfs @ 12.15 hrs HW=299.15' TW=298.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.07 cfs @ 3.32 fps)

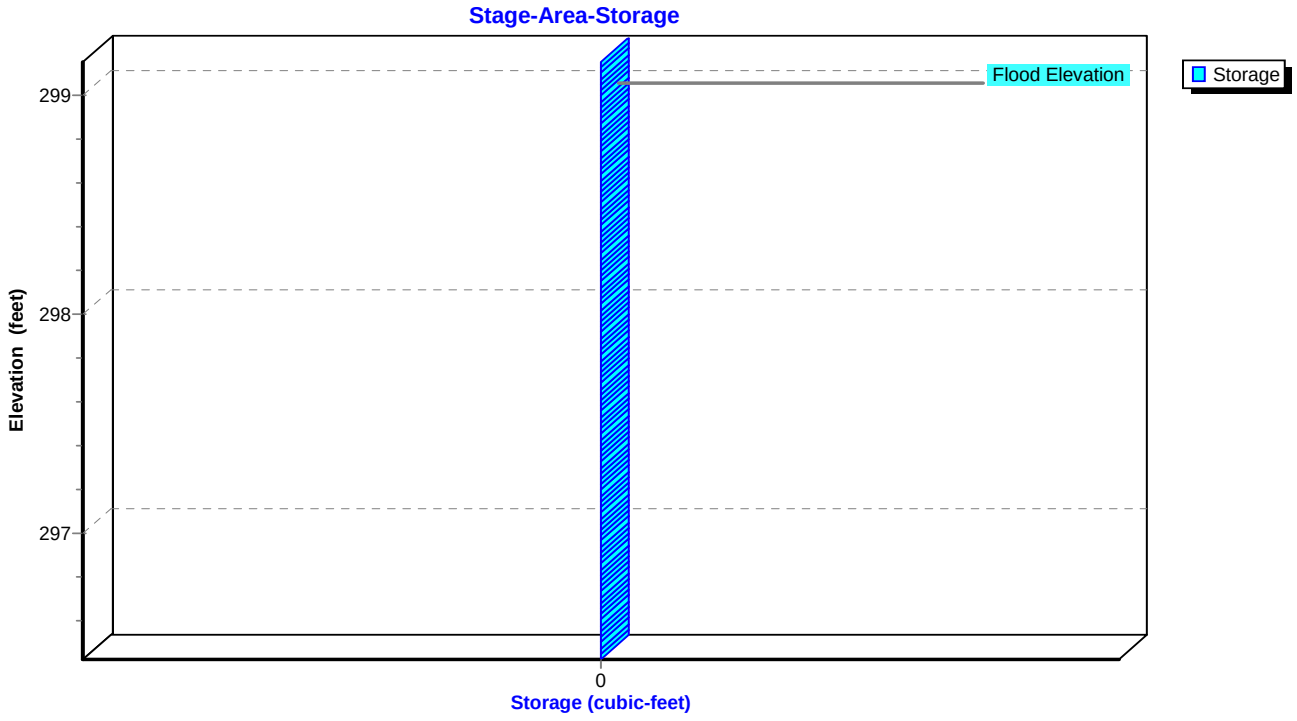
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.45	0.00
6.50	0.01	296.46	0.01
7.00	0.02	296.48	0.02
7.50	0.03	296.49	0.03
8.00	0.04	296.51	0.04
8.50	0.05	296.52	0.05
9.00	0.08	296.54	0.08
9.50	0.10	296.56	0.10
10.00	0.13	296.58	0.13
10.50	0.18	296.61	0.18
11.00	0.24	296.64	0.24
11.50	0.40	296.71	0.40
12.00	**1.95**	**297.16**	**1.95**
12.50	**1.47**	**297.00**	**1.47**
13.00	0.48	296.74	0.48
13.50	0.35	296.69	0.35
14.00	0.29	296.67	0.29
14.50	0.25	296.65	0.25
15.00	0.22	296.63	0.22
15.50	0.19	296.62	0.19
16.00	0.15	296.60	0.15
16.50	0.13	296.59	0.13
17.00	0.12	296.58	0.12
17.50	0.11	296.57	0.11
18.00	0.09	296.56	0.09
18.50	0.09	296.55	0.09
19.00	0.08	296.55	0.08
19.50	0.08	296.55	0.08
20.00	0.07	296.54	0.07
20.50	0.07	296.54	0.07
21.00	0.07	296.54	0.07
21.50	0.06	296.53	0.06
22.00	0.06	296.53	0.06
22.50	0.06	296.53	0.06
23.00	0.05	296.53	0.05
23.50	0.05	296.52	0.05
24.00	0.05	296.52	0.05

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	8.26
296.98	1.36	298.00	5.77	299.02	8.30
297.00	1.45	298.02	5.83	299.04	8.35
297.02	1.54	298.04	5.89	299.06	8.39
297.04	1.63	298.06	5.95	299.08	8.43
297.06	1.72	298.08	6.01	299.10	8.47
297.08	1.82	298.10	6.07	299.12	8.51
297.10	1.92	298.12	6.13	299.14	**8.55**
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0	299.02	0
297.00	0	298.02	0	299.04	0
297.02	0	298.04	0	299.06	0
297.04	0	298.06	0	299.08	0
297.06	0	298.08	0	299.10	0
297.08	0	298.10	0	299.12	0
297.10	0	298.12	0	299.14	0
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

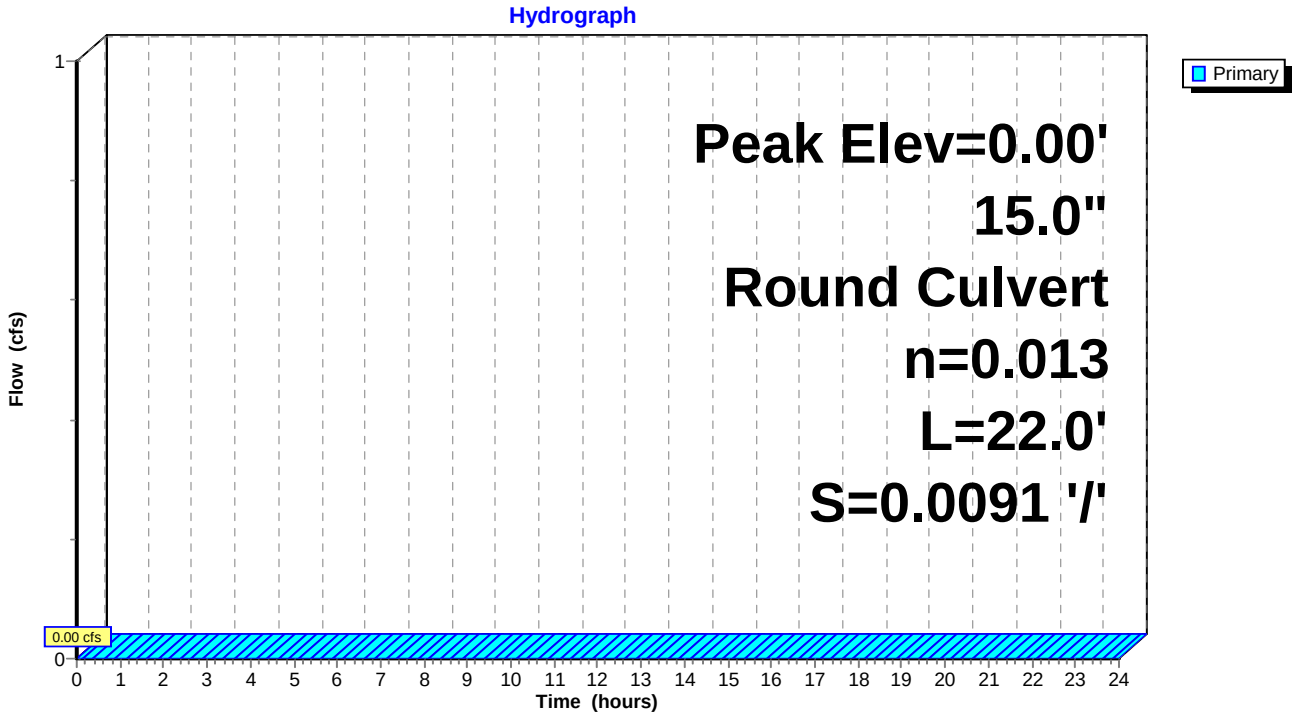
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

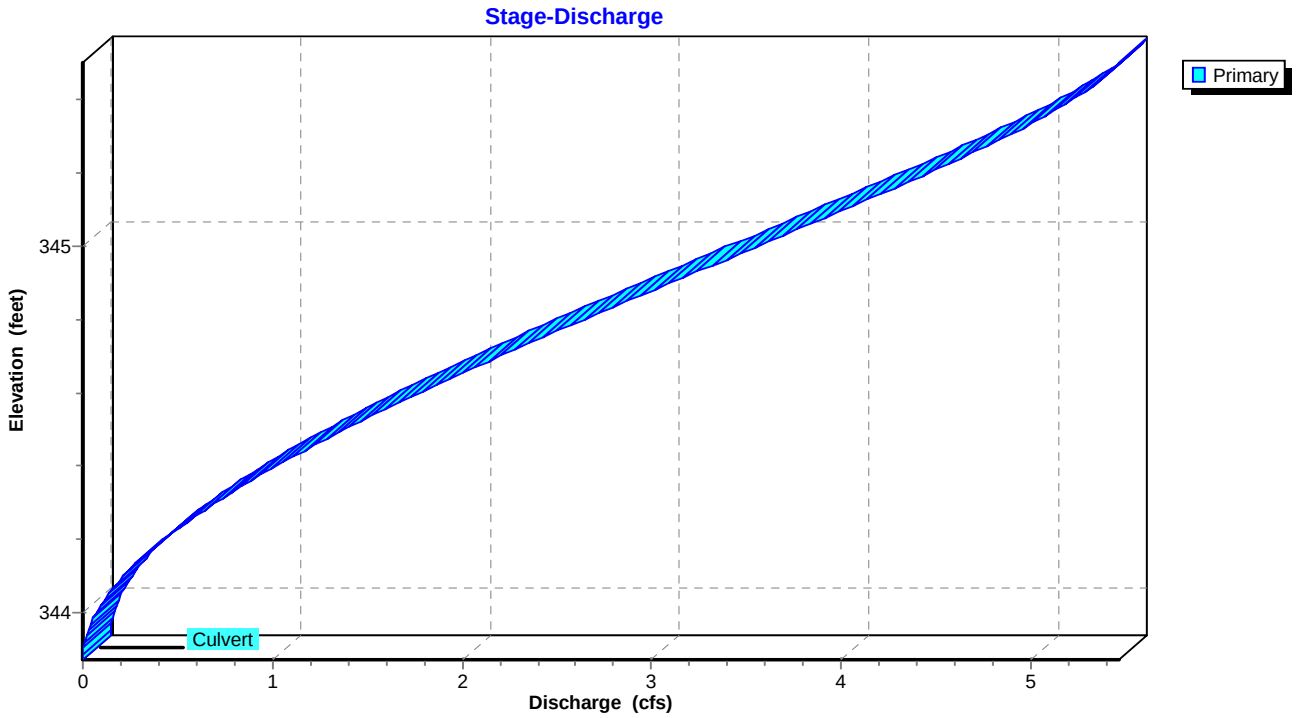
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

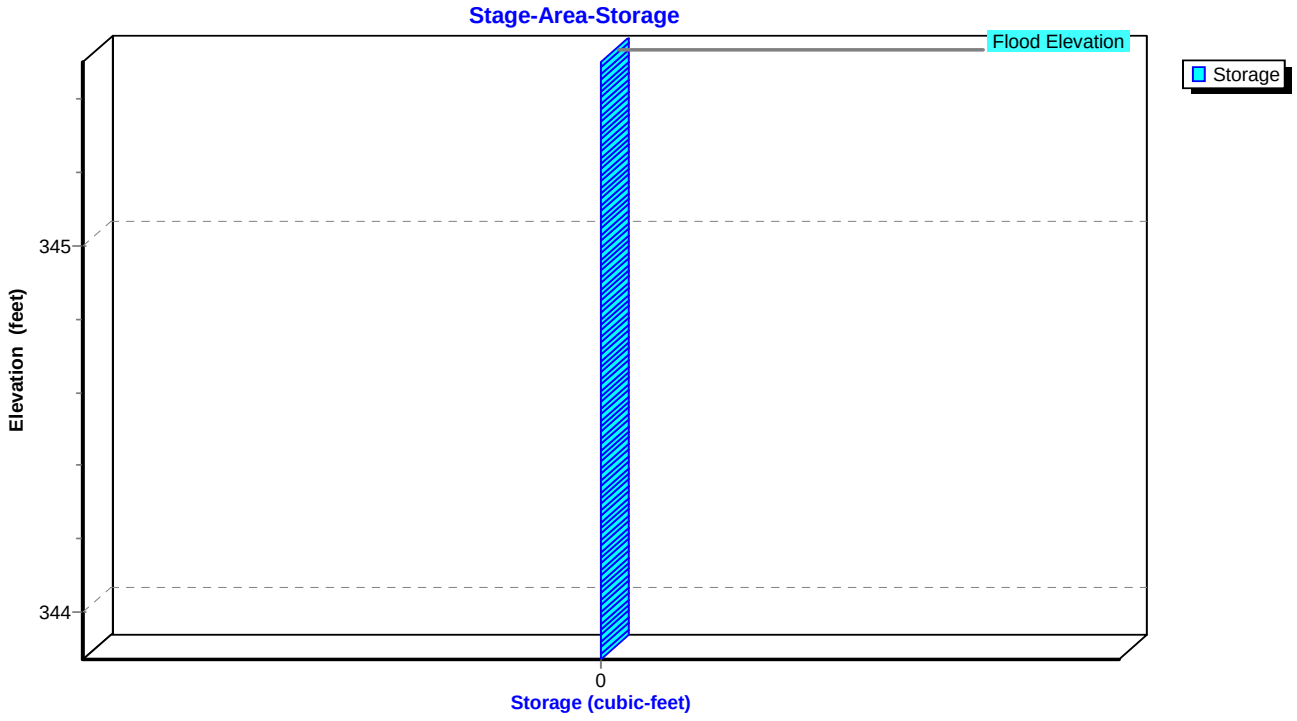
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

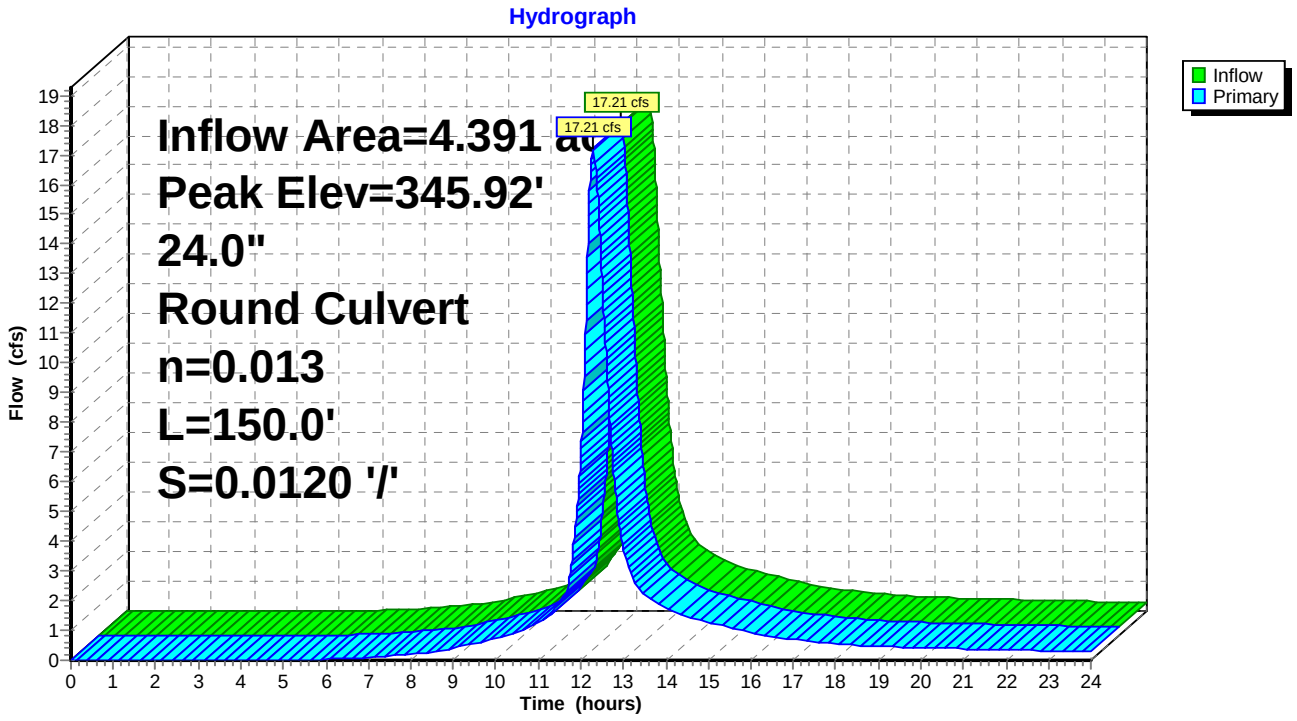
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af
Outflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af, Atten= 0%, Lag= 0.0 min
Primary = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.92' @ 12.29 hrs
Flood Elev= 347.00'

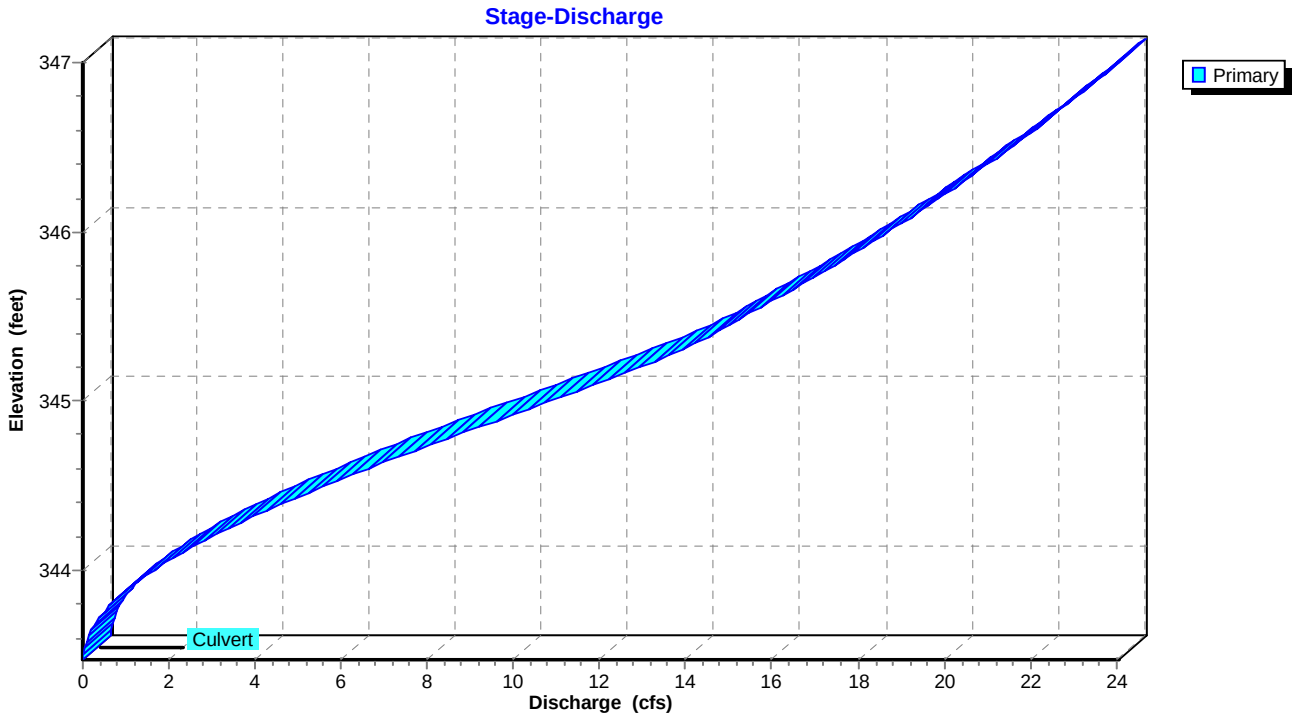
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.18 cfs @ 12.29 hrs HW=345.92' TW=344.41' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 17.18 cfs @ 5.69 fps)

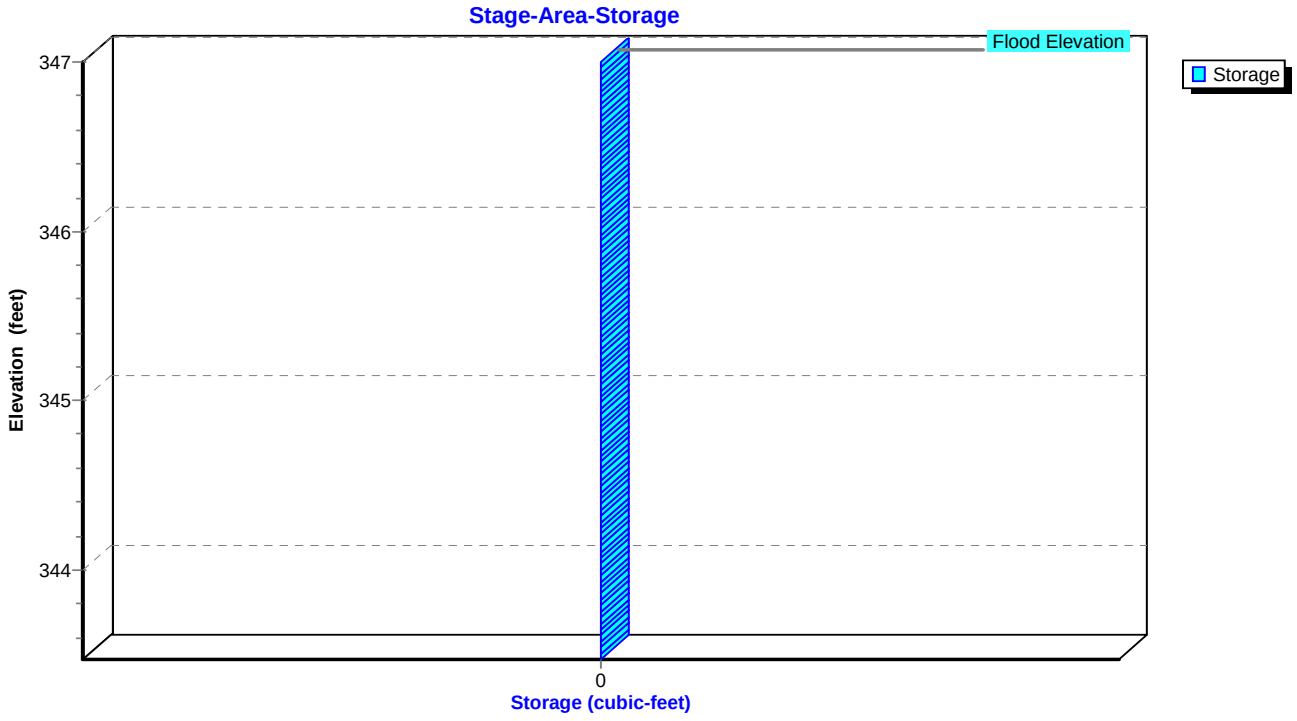
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.01	343.50	0.01
6.00	0.03	343.54	0.03
6.50	0.06	343.56	0.06
7.00	0.10	343.59	0.10
7.50	0.15	343.62	0.15
8.00	0.21	343.65	0.21
8.50	0.29	343.69	0.29
9.00	0.41	343.73	0.41
9.50	0.55	343.77	0.55
10.00	0.72	343.81	0.72
10.50	0.95	343.87	0.95
11.00	1.28	343.93	1.28
11.50	1.93	344.04	1.93
12.00	**6.86**	**344.62**	**6.86**
12.50	**12.86**	**345.22**	**12.86**
13.00	3.77	344.29	3.77
13.50	2.18	344.08	2.18
14.00	1.75	344.02	1.75
14.50	1.46	343.97	1.46
15.00	1.28	343.93	1.28
15.50	1.10	343.90	1.10
16.00	0.93	343.86	0.93
16.50	0.79	343.83	0.79
17.00	0.71	343.81	0.71
17.50	0.63	343.79	0.63
18.00	0.55	343.77	0.55
18.50	0.49	343.75	0.49
19.00	0.47	343.75	0.47
19.50	0.44	343.74	0.44
20.00	0.42	343.73	0.42
20.50	0.40	343.72	0.40
21.00	0.38	343.72	0.38
21.50	0.37	343.71	0.37
22.00	0.35	343.71	0.35
22.50	0.33	343.70	0.33
23.00	0.31	343.69	0.31
23.50	0.30	343.69	0.30
24.00	0.28	343.68	0.28

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

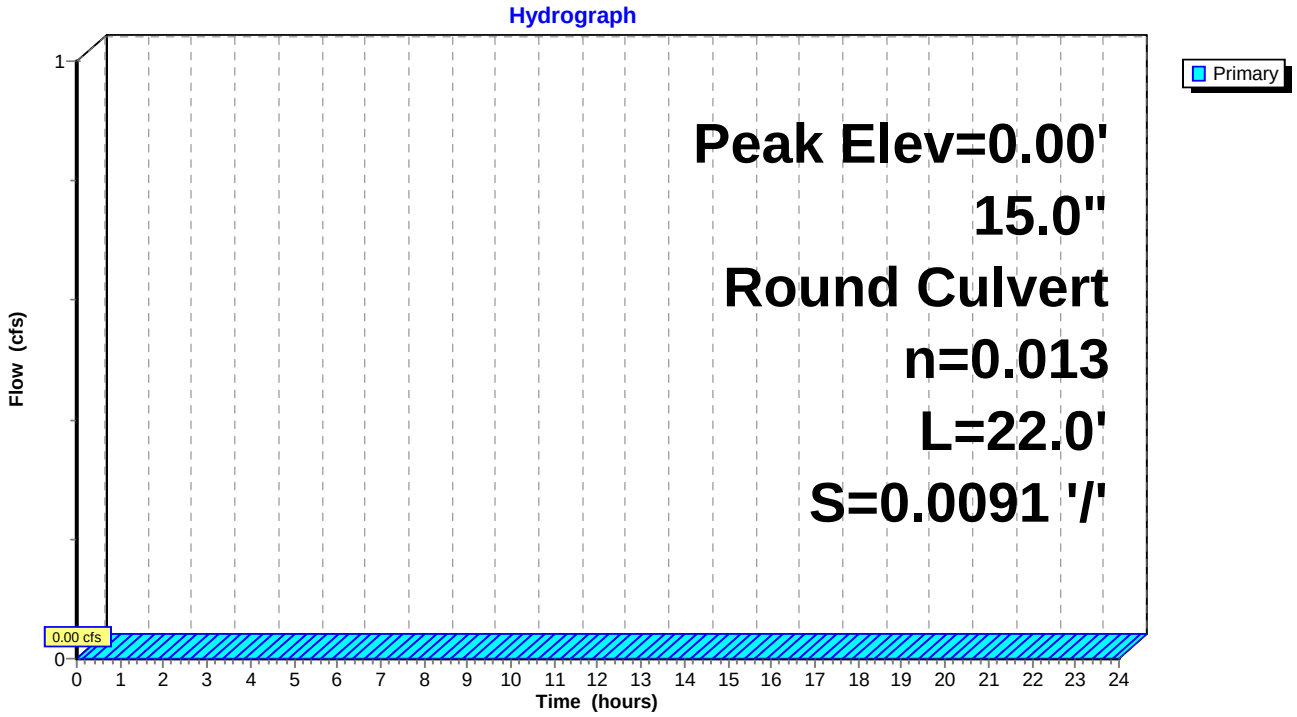
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

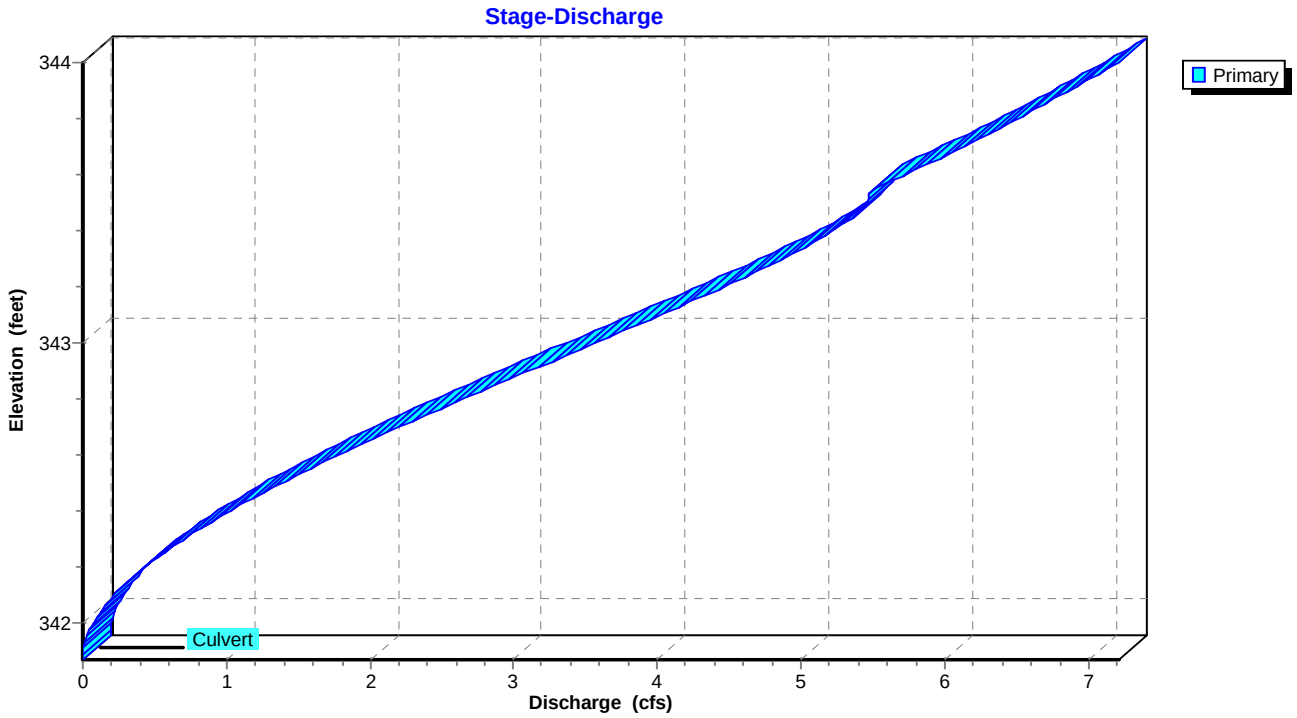
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

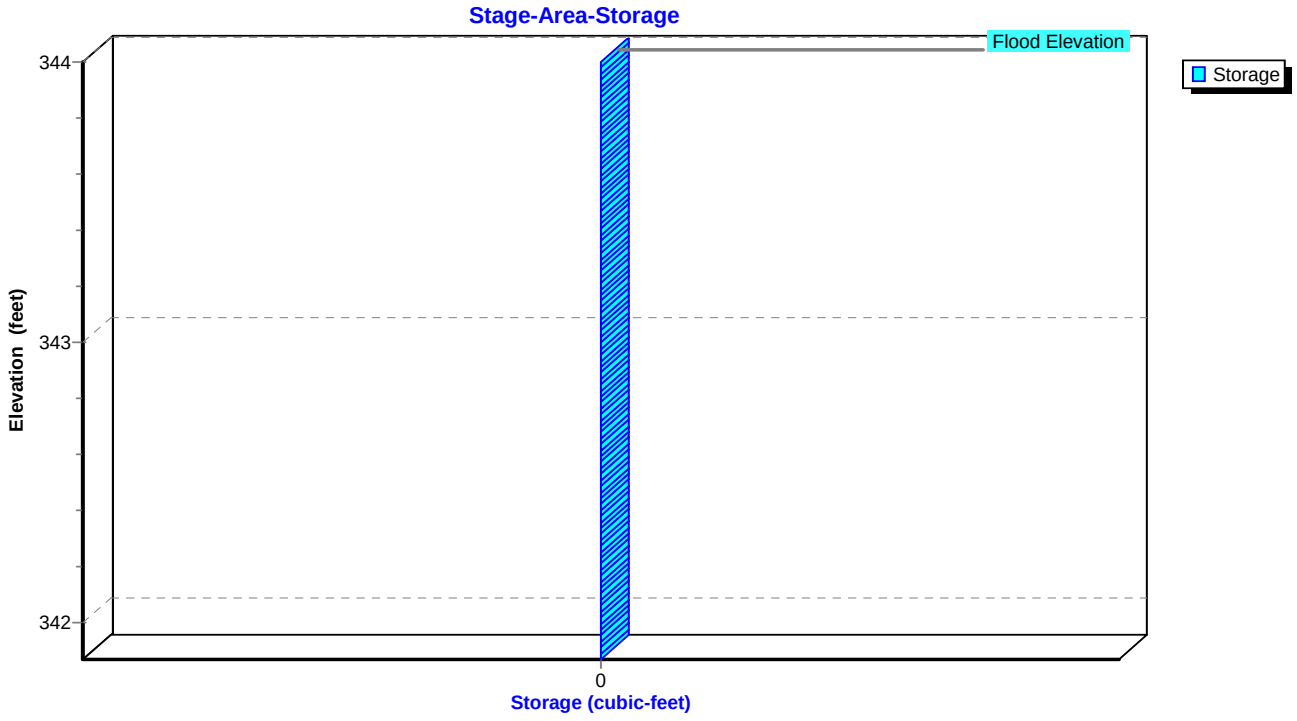
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

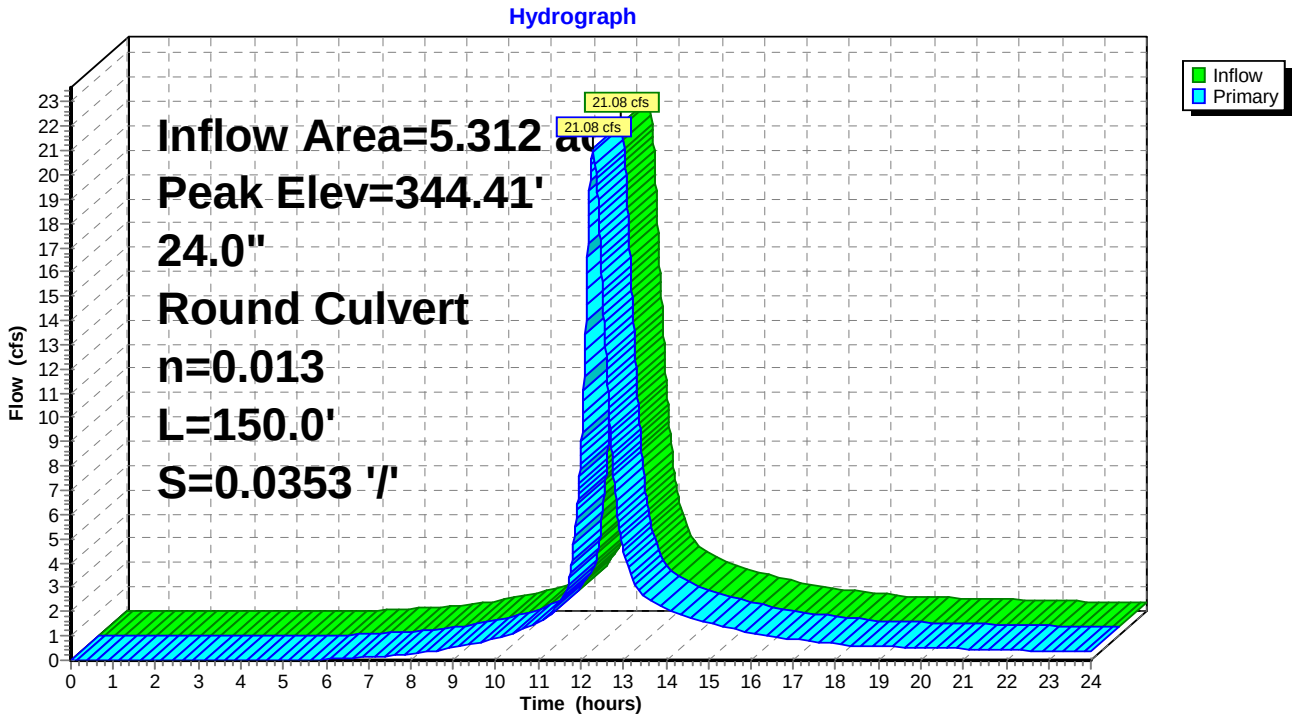
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 5.40" for 100-Year event
Inflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af
Outflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af, Atten= 0%, Lag= 0.0 min
Primary = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.41' @ 12.29 hrs
Flood Elev= 345.00'

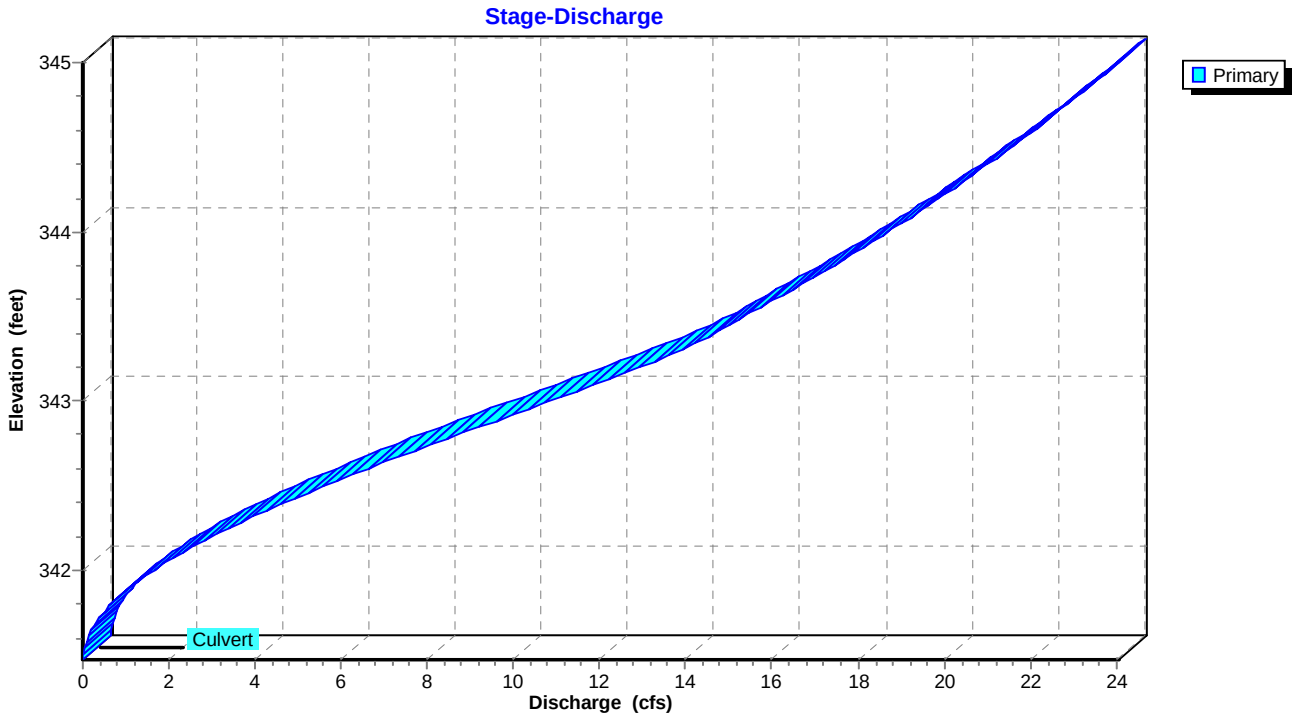
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.07 cfs @ 12.29 hrs HW=344.41' TW=339.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.07 cfs @ 6.71 fps)

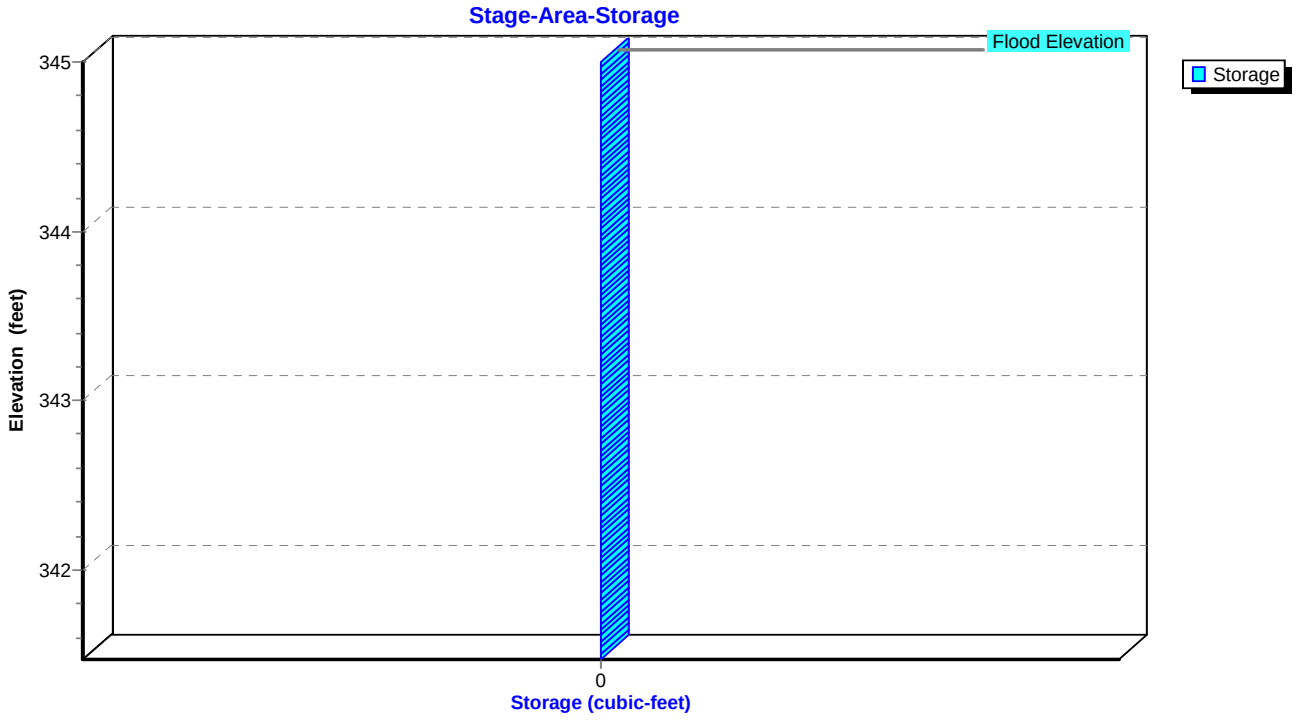
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.48	0.00
5.50	0.01	341.52	0.01
6.00	0.04	341.55	0.04
6.50	0.08	341.58	0.08
7.00	0.13	341.61	0.13
7.50	0.19	341.64	0.19
8.00	0.26	341.68	0.26
8.50	0.36	341.71	0.36
9.00	0.51	341.76	0.51
9.50	0.69	341.81	0.69
10.00	0.89	341.85	0.89
10.50	1.17	341.91	1.17
11.00	1.57	341.99	1.57
11.50	2.37	342.11	2.37
12.00	**8.41**	**342.77**	**8.41**
12.50	**15.59**	**343.53**	**15.59**
13.00	4.54	342.38	4.54
13.50	2.63	342.15	2.63
14.00	2.12	342.07	2.12
14.50	1.76	342.02	1.76
15.00	1.55	341.98	1.55
15.50	1.34	341.94	1.34
16.00	1.12	341.90	1.12
16.50	0.95	341.87	0.95
17.00	0.85	341.85	0.85
17.50	0.76	341.82	0.76
18.00	0.67	341.80	0.67
18.50	0.60	341.78	0.60
19.00	0.57	341.77	0.57
19.50	0.54	341.77	0.54
20.00	0.51	341.76	0.51
20.50	0.49	341.75	0.49
21.00	0.46	341.74	0.46
21.50	0.44	341.74	0.44
22.00	0.42	341.73	0.42
22.50	0.40	341.72	0.40
23.00	0.38	341.72	0.38
23.50	0.36	341.71	0.36
24.00	0.34	341.70	0.34

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

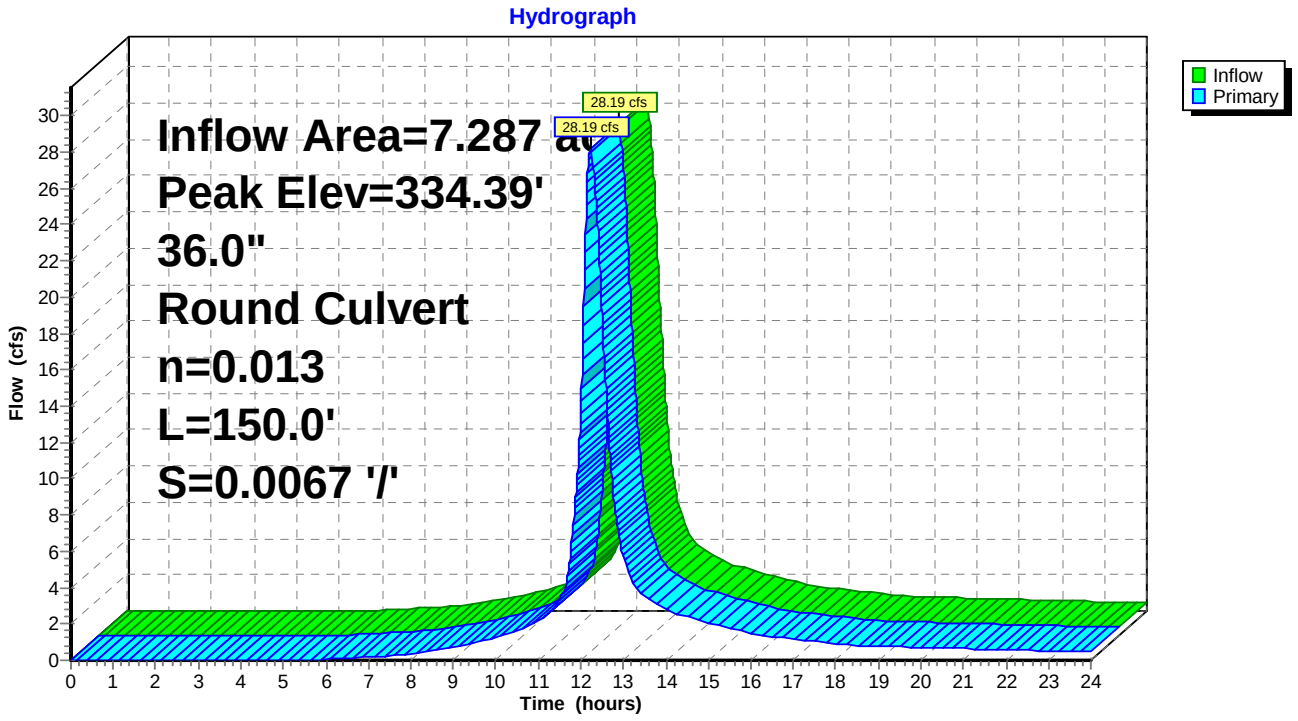
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.39' @ 12.23 hrs
Flood Elev= 337.75'

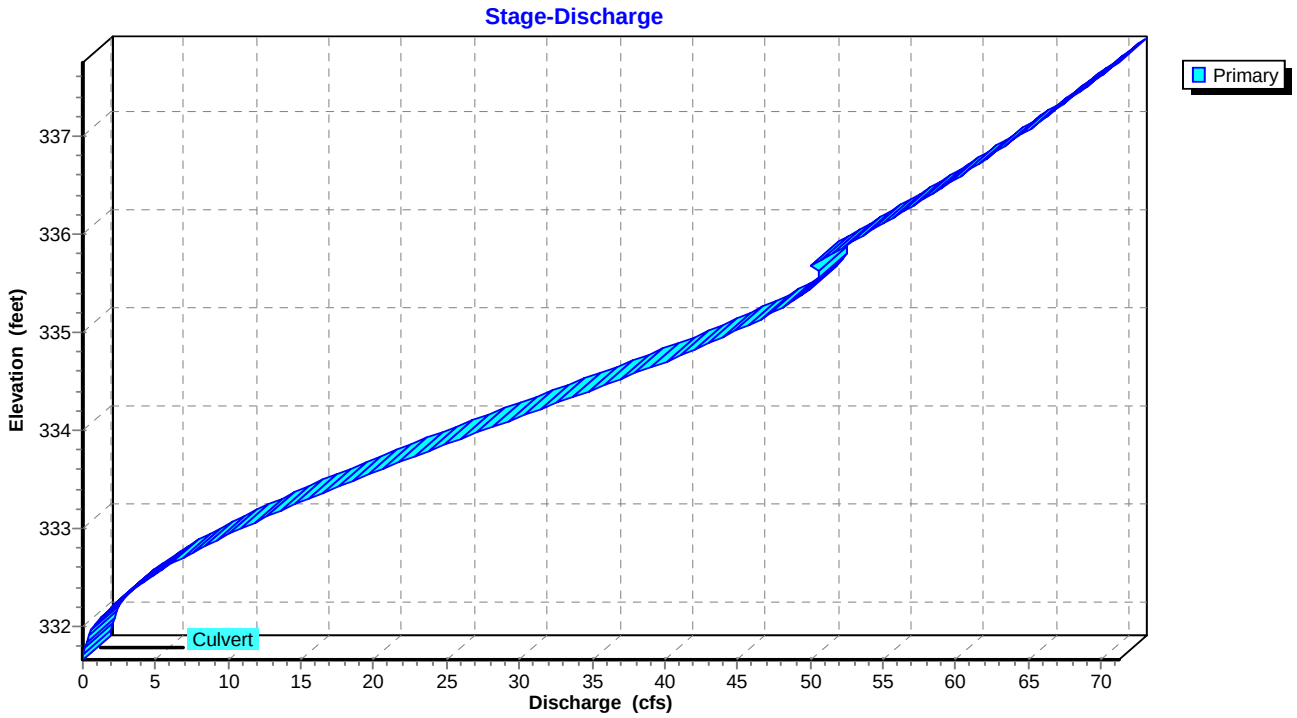
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.24 cfs @ 12.23 hrs HW=334.39' TW=333.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 28.24 cfs @ 5.52 fps)

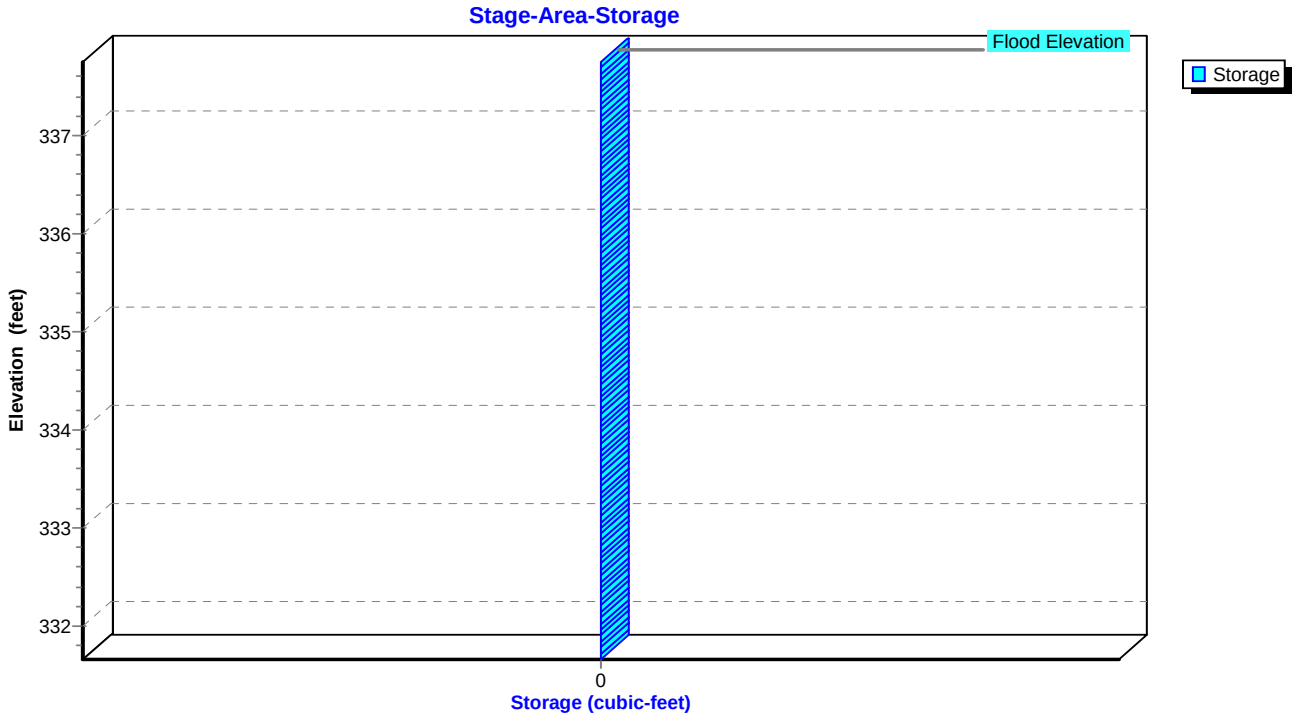
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.69	0.00
5.50	0.01	331.72	0.01
6.00	0.05	331.76	0.05
6.50	0.10	331.80	0.10
7.00	0.17	331.83	0.17
7.50	0.25	331.87	0.25
8.00	0.35	331.90	0.35
8.50	0.50	331.94	0.50
9.00	0.70	331.99	0.70
9.50	0.95	332.05	0.95
10.00	1.23	332.10	1.23
10.50	1.63	332.16	1.63
11.00	2.19	332.24	2.19
11.50	3.39	332.38	3.39
12.00	**13.64**	**333.28**	**13.64**
12.50	**19.03**	**333.66**	**19.03**
13.00	5.72	332.62	5.72
13.50	3.51	332.40	3.51
14.00	2.84	332.32	2.84
14.50	2.38	332.26	2.38
15.00	2.09	332.23	2.09
15.50	1.80	332.19	1.80
16.00	1.51	332.14	1.51
16.50	1.29	332.11	1.29
17.00	1.16	332.08	1.16
17.50	1.03	332.06	1.03
18.00	0.90	332.04	0.90
18.50	0.81	332.02	0.81
19.00	0.77	332.01	0.77
19.50	0.73	332.00	0.73
20.00	0.70	331.99	0.70
20.50	0.66	331.99	0.66
21.00	0.63	331.98	0.63
21.50	0.60	331.97	0.60
22.00	0.57	331.96	0.57
22.50	0.55	331.96	0.55
23.00	0.52	331.95	0.52
23.50	0.49	331.94	0.49
24.00	0.46	331.93	0.46

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

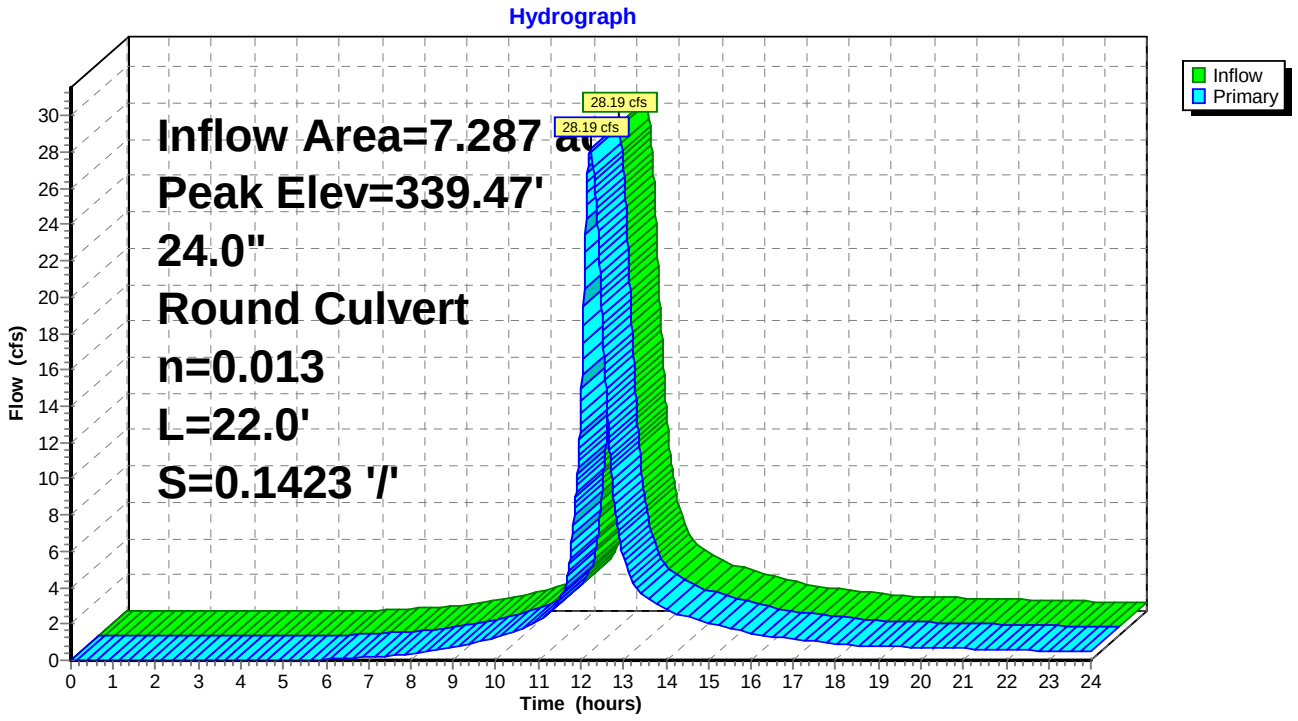
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 339.47' @ 12.23 hrs
Flood Elev= 339.50'

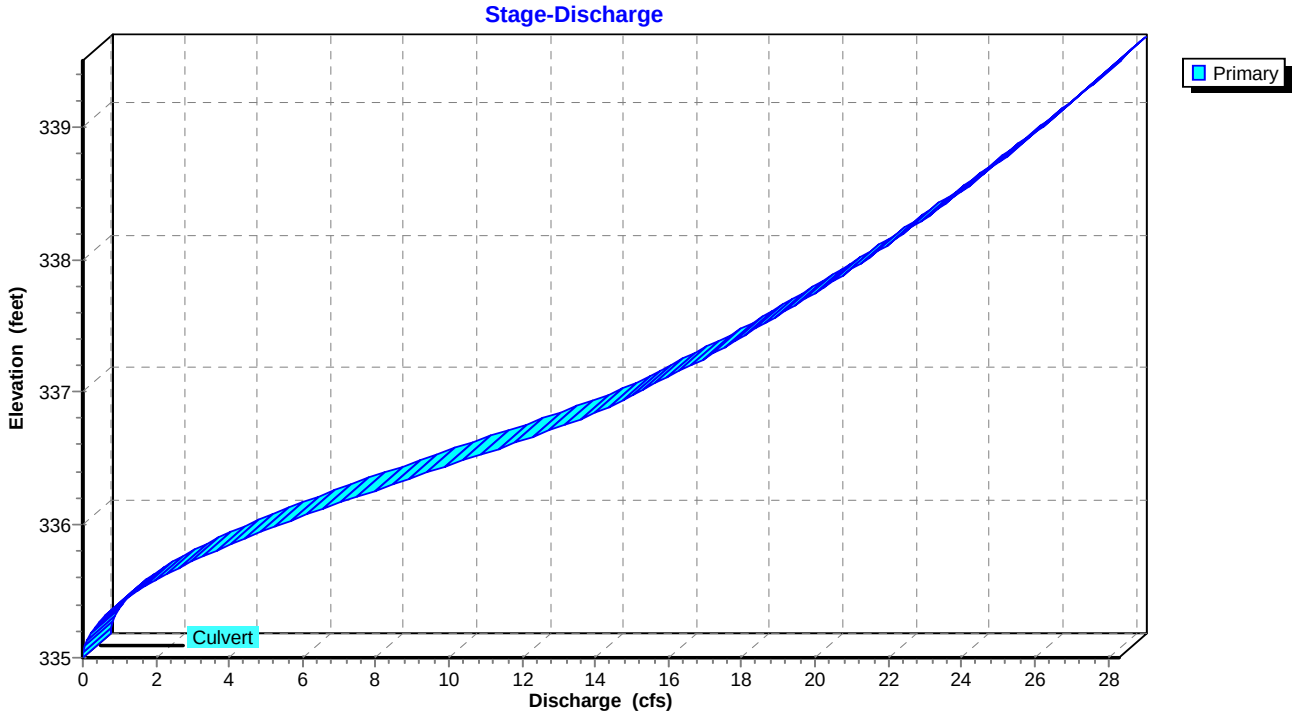
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=28.19 cfs @ 12.23 hrs HW=339.47' TW=334.39' (Dynamic Tailwater)
1=Culvert (Inlet Controls 28.19 cfs @ 8.97 fps)

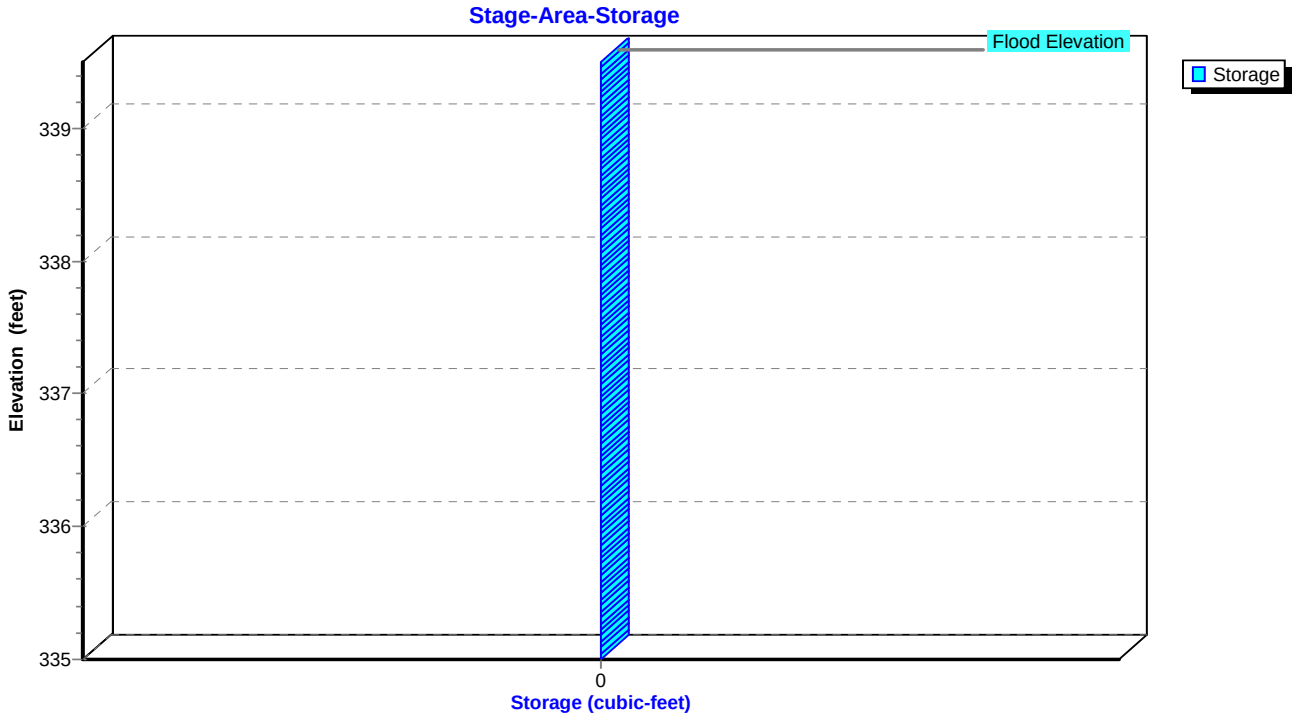
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.01	0.00
5.50	0.01	335.05	0.01
6.00	0.05	335.09	0.05
6.50	0.10	335.13	0.10
7.00	0.17	335.16	0.17
7.50	0.25	335.20	0.25
8.00	0.35	335.24	0.35
8.50	0.50	335.28	0.50
9.00	0.70	335.34	0.70
9.50	0.95	335.40	0.95
10.00	1.23	335.45	1.23
10.50	1.63	335.53	1.63
11.00	2.19	335.61	2.19
11.50	3.39	335.78	3.39
12.00	**13.64**	**336.80**	**13.64**
12.50	**19.03**	**337.58**	**19.03**
13.00	5.72	336.04	5.72
13.50	3.51	335.79	3.51
14.00	2.84	335.71	2.84
14.50	2.38	335.64	2.38
15.00	2.09	335.60	2.09
15.50	1.80	335.55	1.80
16.00	1.51	335.50	1.51
16.50	1.29	335.47	1.29
17.00	1.16	335.44	1.16
17.50	1.03	335.41	1.03
18.00	0.90	335.39	0.90
18.50	0.81	335.37	0.81
19.00	0.77	335.36	0.77
19.50	0.73	335.35	0.73
20.00	0.70	335.34	0.70
20.50	0.66	335.33	0.66
21.00	0.63	335.32	0.63
21.50	0.60	335.31	0.60
22.00	0.57	335.31	0.57
22.50	0.55	335.30	0.55
23.00	0.52	335.29	0.52
23.50	0.49	335.28	0.49
24.00	0.46	335.27	0.46

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

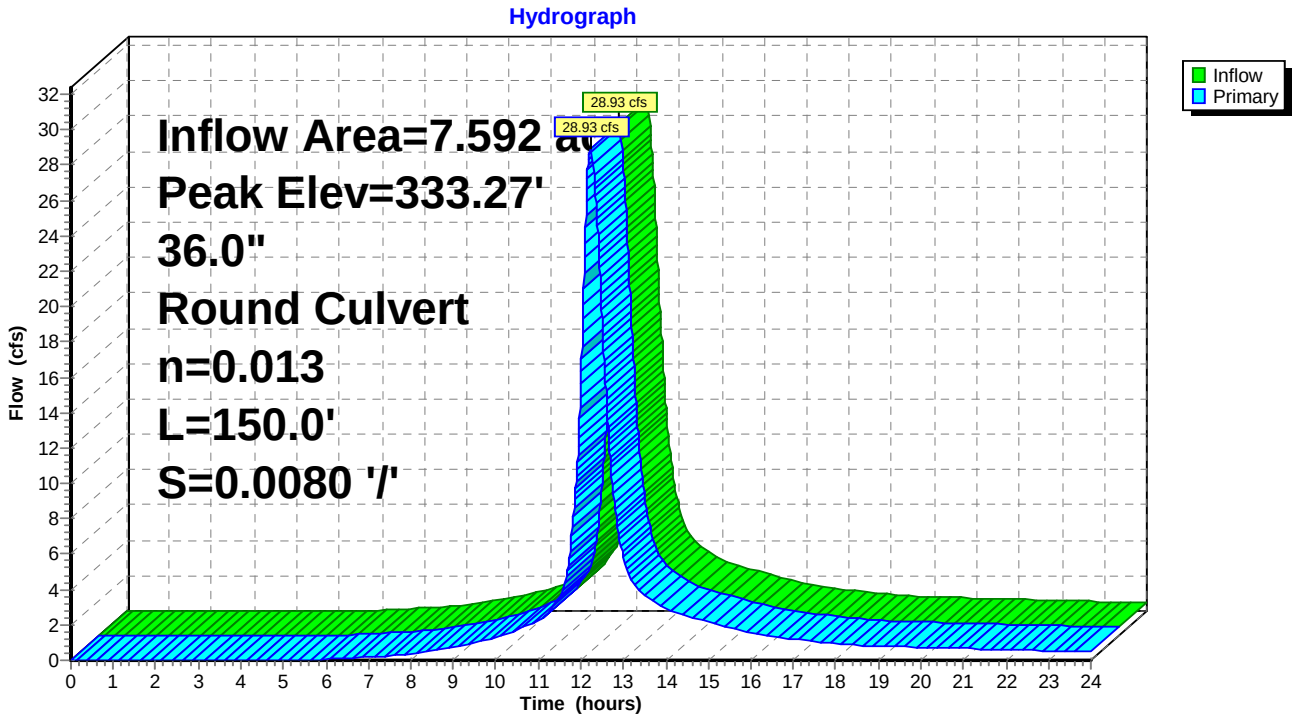
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 5.35" for 100-Year event
Inflow = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af
Outflow = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af, Atten= 0%, Lag= 0.0 min
Primary = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.27' @ 12.22 hrs
Flood Elev= 335.00'

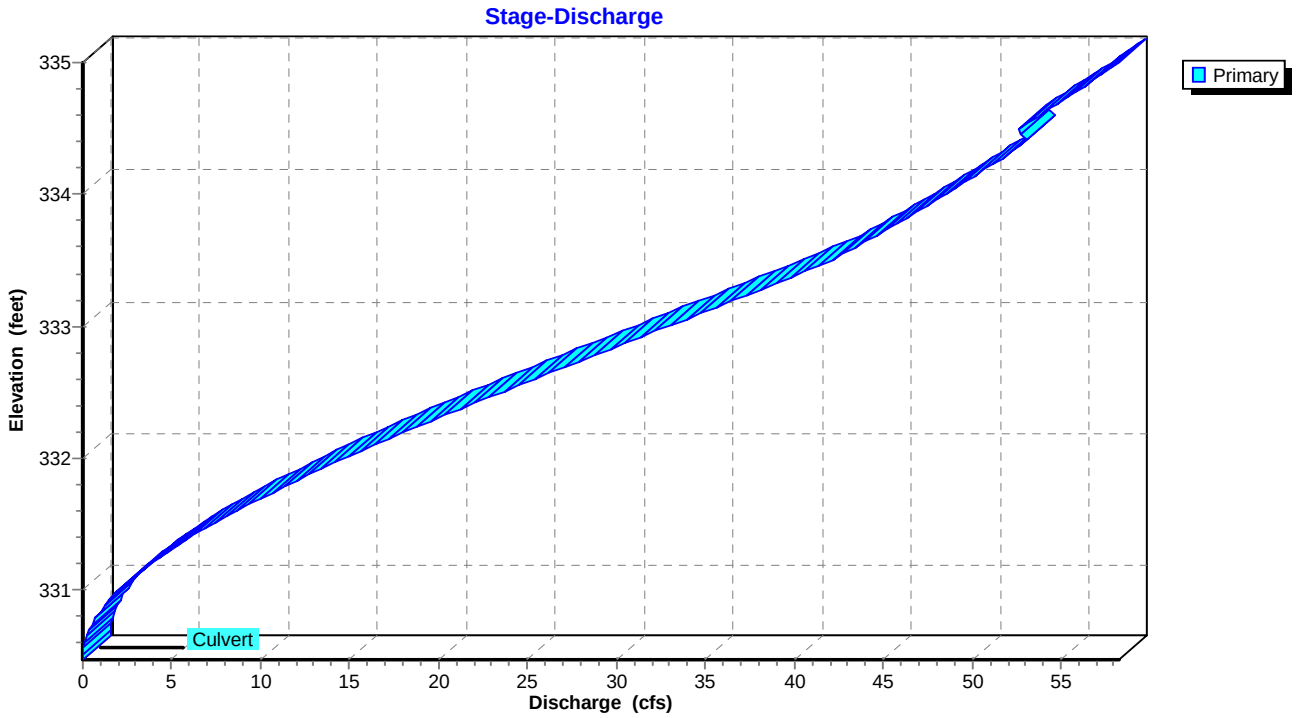
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.10 cfs @ 12.22 hrs HW=333.27' TW=332.15' (Dynamic Tailwater)
1=Culvert (Outlet Controls 29.10 cfs @ 5.52 fps)

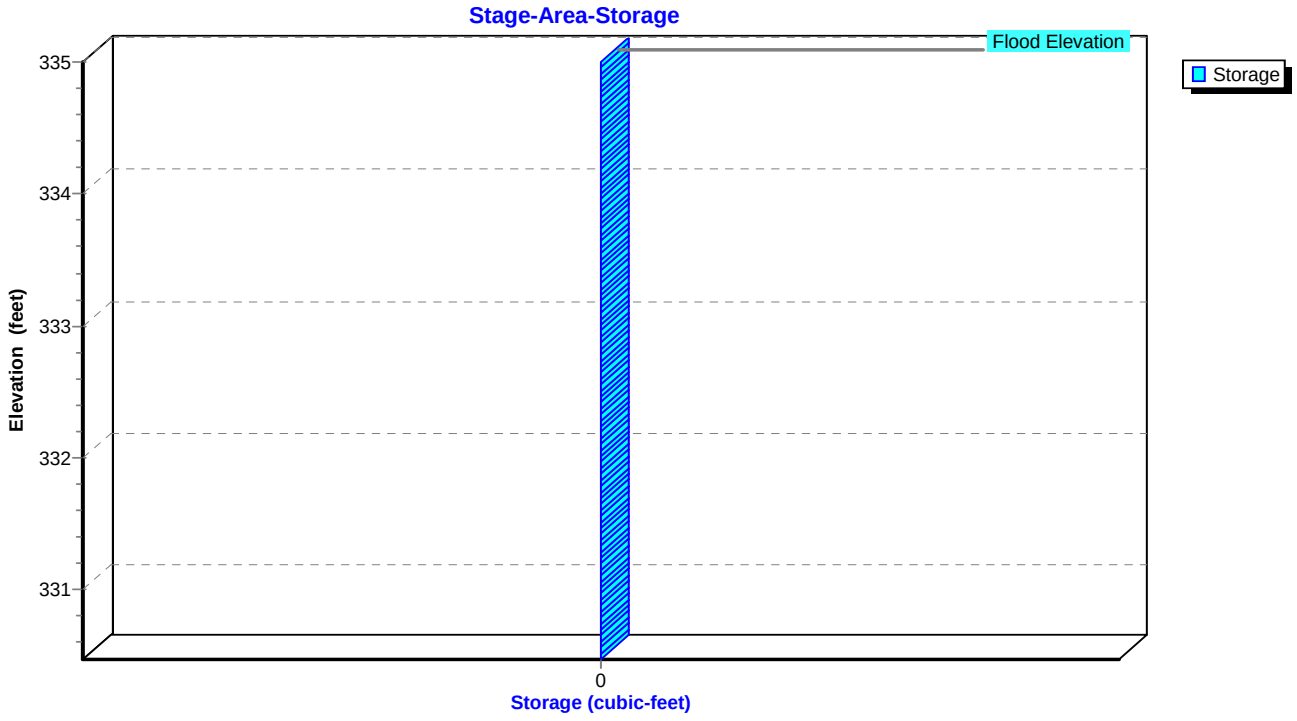
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.49	0.00
5.50	0.01	330.52	0.01
6.00	0.05	330.56	0.05
6.50	0.10	330.59	0.10
7.00	0.17	330.63	0.17
7.50	0.26	330.66	0.26
8.00	0.37	330.70	0.37
8.50	0.51	330.74	0.51
9.00	0.73	330.79	0.73
9.50	0.98	330.84	0.98
10.00	1.28	330.89	1.28
10.50	1.69	330.95	1.69
11.00	2.28	331.03	2.28
11.50	3.56	331.18	3.56
12.00	**15.62**	**332.17**	**15.62**
12.50	**19.30**	**332.45**	**19.30**
13.00	5.87	331.40	5.87
13.50	3.64	331.19	3.64
14.00	2.94	331.11	2.94
14.50	2.47	331.05	2.47
15.00	2.17	331.01	2.17
15.50	1.86	330.97	1.86
16.00	1.56	330.93	1.56
16.50	1.34	330.90	1.34
17.00	1.20	330.87	1.20
17.50	1.07	330.85	1.07
18.00	0.93	330.83	0.93
18.50	0.85	330.81	0.85
19.00	0.80	330.80	0.80
19.50	0.76	330.79	0.76
20.00	0.72	330.79	0.72
20.50	0.69	330.78	0.69
21.00	0.66	330.77	0.66
21.50	0.63	330.76	0.63
22.00	0.60	330.76	0.60
22.50	0.57	330.75	0.57
23.00	0.54	330.74	0.54
23.50	0.51	330.74	0.51
24.00	0.48	330.73	0.48

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

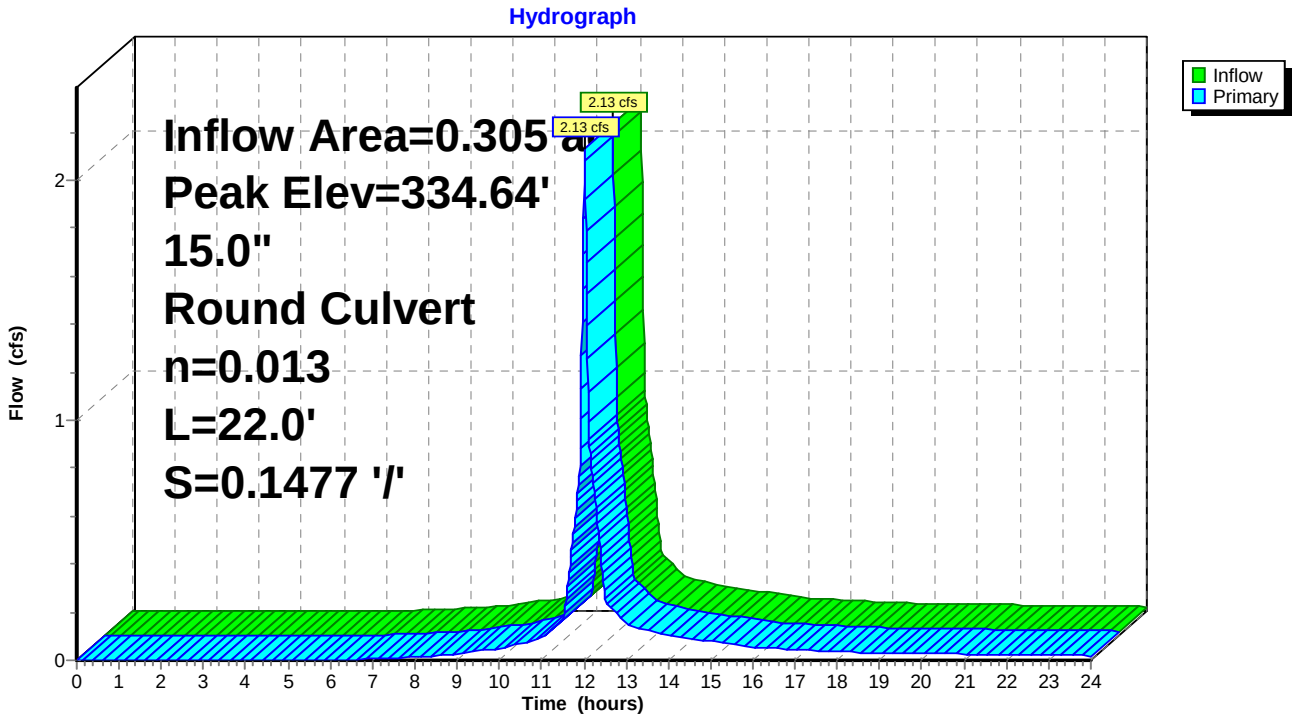
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af
Outflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.64' @ 12.02 hrs
Flood Elev= 336.50'

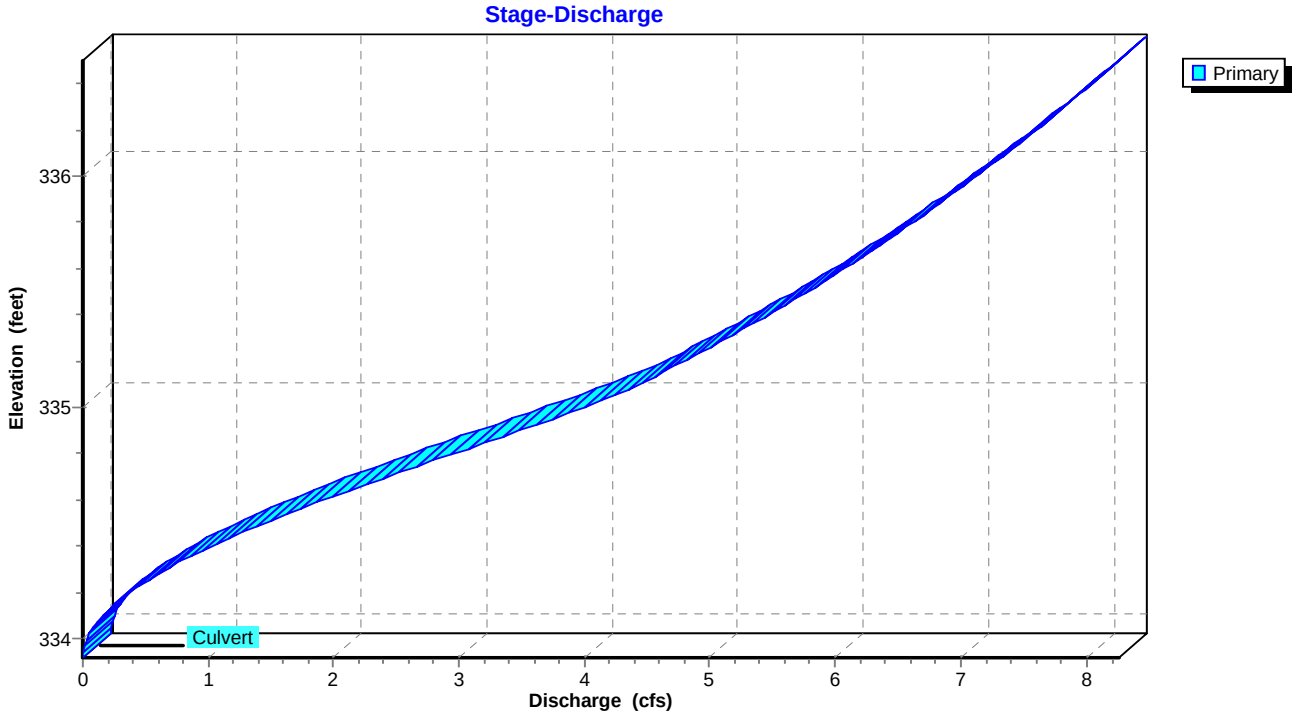
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.12 cfs @ 12.02 hrs HW=334.64' TW=332.26' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.12 cfs @ 2.89 fps)

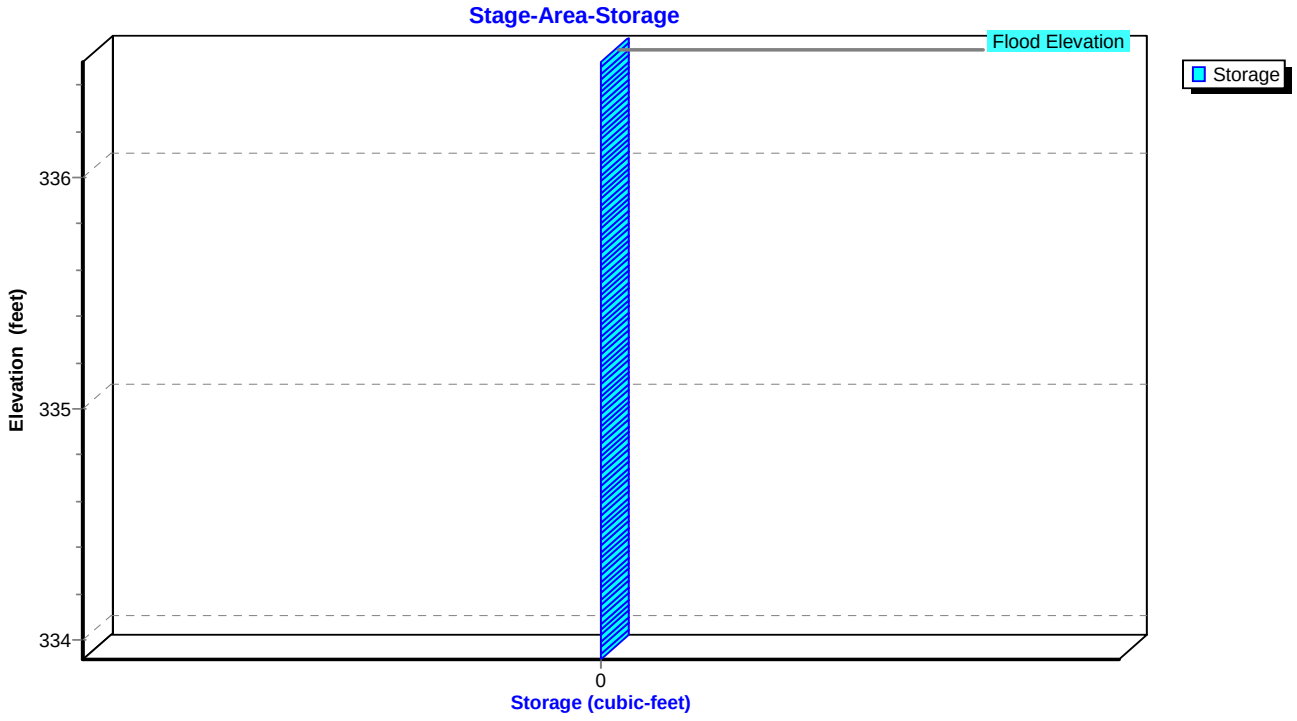
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.93	0.00
6.50	0.00	333.94	0.00
7.00	0.00	333.95	0.00
7.50	0.01	333.96	0.01
8.00	0.01	333.97	0.01
8.50	0.02	333.98	0.02
9.00	0.03	333.99	0.03
9.50	0.04	334.01	0.04
10.00	0.05	334.02	0.05
10.50	0.07	334.04	0.07
11.00	0.09	334.06	0.09
11.50	0.17	334.11	0.17
12.00	**1.98**	**334.61**	**1.98**
12.50	**0.27**	**334.16**	**0.27**
13.00	0.15	334.10	0.15
13.50	0.13	334.08	0.13
14.00	0.10	334.06	0.10
14.50	0.09	334.06	0.09
15.00	0.08	334.05	0.08
15.50	0.07	334.04	0.07
16.00	0.05	334.03	0.05
16.50	0.05	334.02	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.01	0.04
18.00	0.03	334.00	0.03
18.50	0.03	334.00	0.03
19.00	0.03	334.00	0.03
19.50	0.03	334.00	0.03
20.00	0.03	333.99	0.03
20.50	0.03	333.99	0.03
21.00	0.03	333.99	0.03
21.50	0.02	333.99	0.02
22.00	0.02	333.99	0.02
22.50	0.02	333.99	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

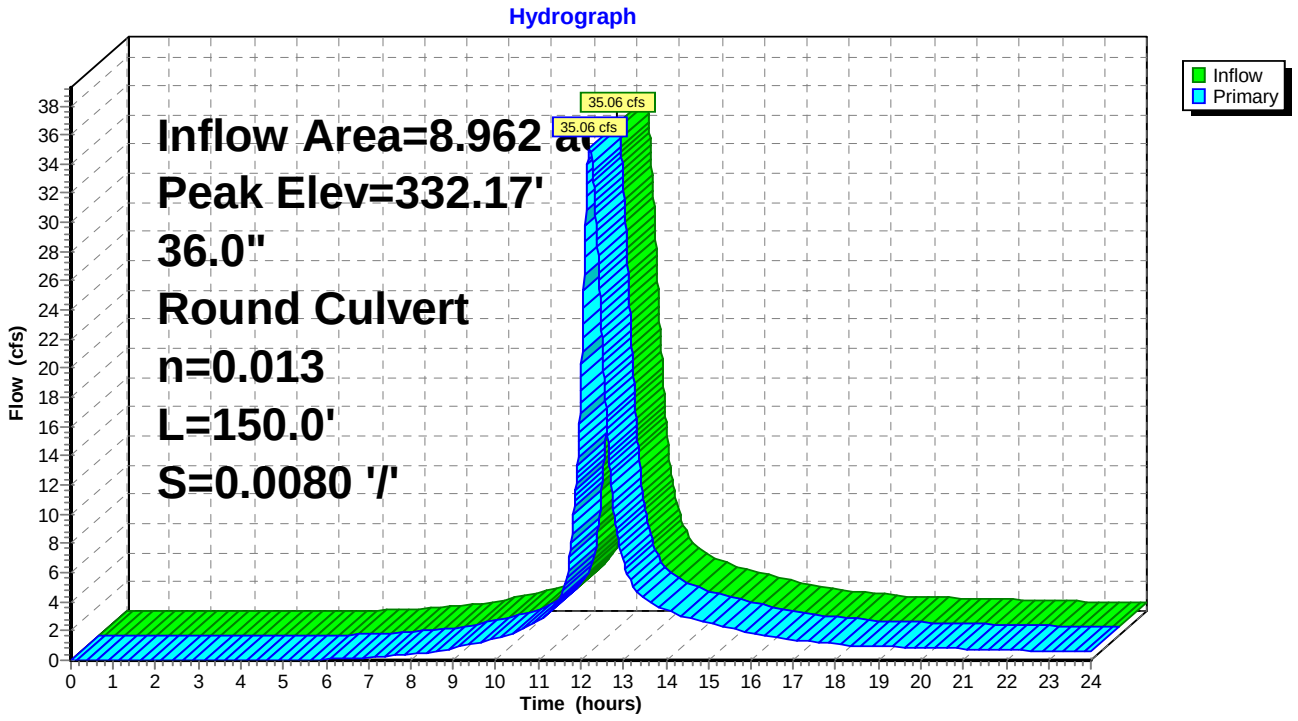
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 5.30" for 100-Year event
Inflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af
Outflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af, Atten= 0%, Lag= 0.0 min
Primary = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.17' @ 12.20 hrs
Flood Elev= 337.00'

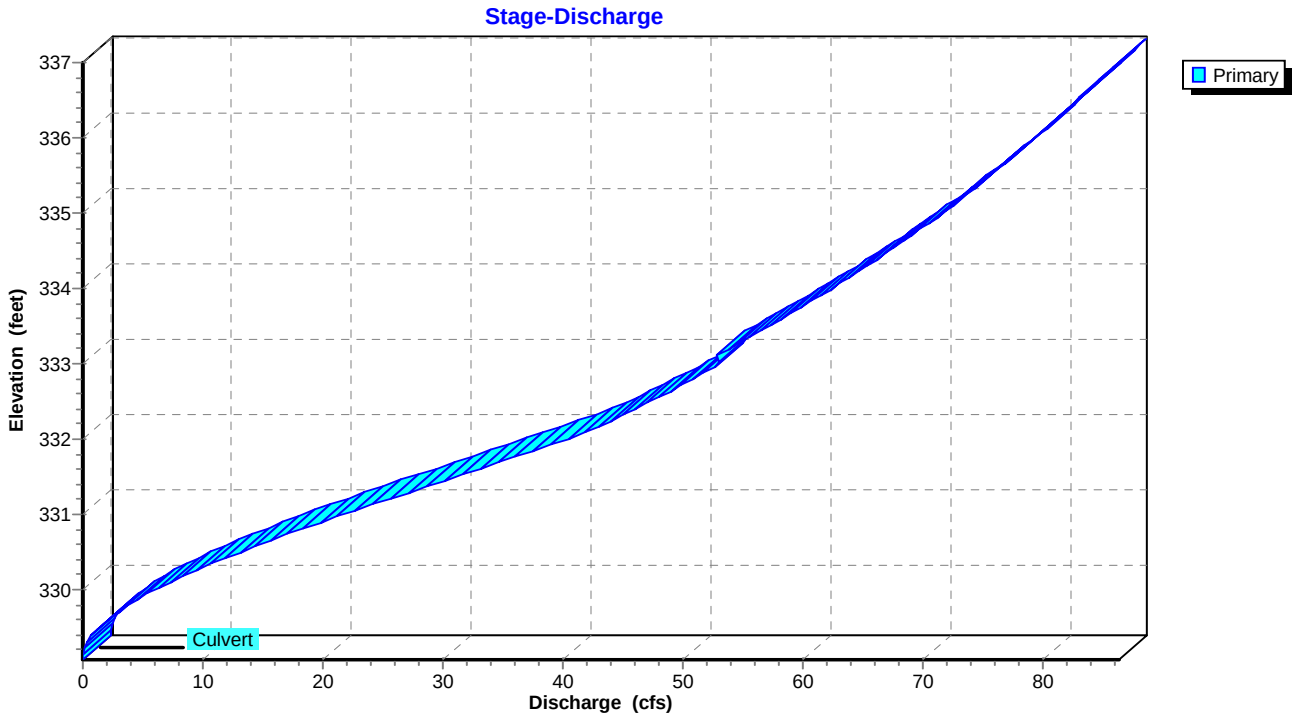
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=35.29 cfs @ 12.21 hrs HW=332.17' TW=330.85' (Dynamic Tailwater)
1=Culvert (Outlet Controls 35.29 cfs @ 6.01 fps)

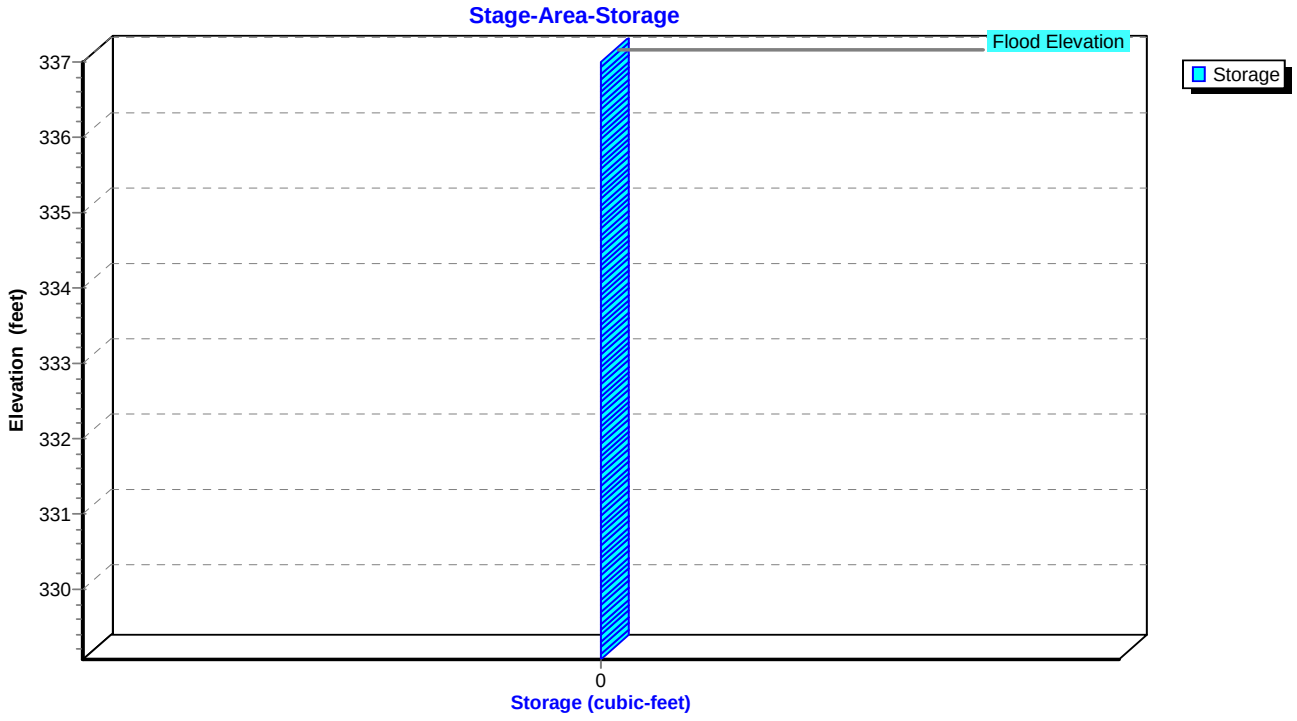
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.09	0.00
5.50	0.01	329.12	0.01
6.00	0.05	329.16	0.05
6.50	0.11	329.20	0.11
7.00	0.19	329.24	0.19
7.50	0.29	329.27	0.29
8.00	0.41	329.31	0.41
8.50	0.59	329.36	0.59
9.00	0.83	329.41	0.83
9.50	1.13	329.46	1.13
10.00	1.48	329.52	1.48
10.50	1.97	329.59	1.97
11.00	2.66	329.67	2.66
11.50	4.18	329.84	4.18
12.00	**18.54**	**330.96**	**18.54**
12.50	**22.05**	**331.19**	**22.05**
13.00	6.72	330.07	6.72
13.50	4.24	329.85	4.24
14.00	3.44	329.76	3.44
14.50	2.90	329.70	2.90
15.00	2.54	329.66	2.54
15.50	2.18	329.62	2.18
16.00	1.83	329.57	1.83
16.50	1.57	329.53	1.57
17.00	1.41	329.51	1.41
17.50	1.25	329.48	1.25
18.00	1.10	329.46	1.10
18.50	0.99	329.44	0.99
19.00	0.94	329.43	0.94
19.50	0.90	329.42	0.90
20.00	0.85	329.41	0.85
20.50	0.81	329.40	0.81
21.00	0.77	329.40	0.77
21.50	0.74	329.39	0.74
22.00	0.70	329.38	0.70
22.50	0.67	329.37	0.67
23.00	0.63	329.37	0.63
23.50	0.60	329.36	0.60
24.00	0.56	329.35	0.56

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

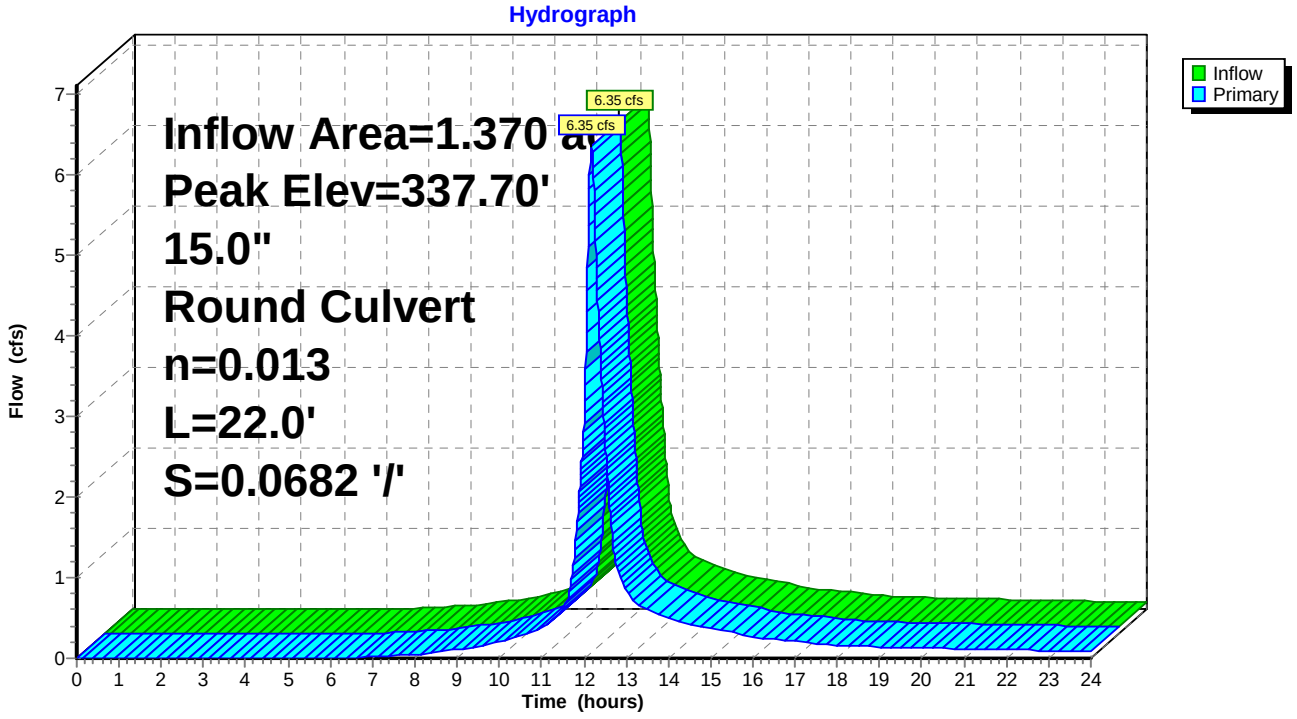
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 5.03" for 100-Year event
Inflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af
Outflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af, Atten= 0%, Lag= 0.0 min
Primary = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.70' @ 12.18 hrs
Flood Elev= 338.50'

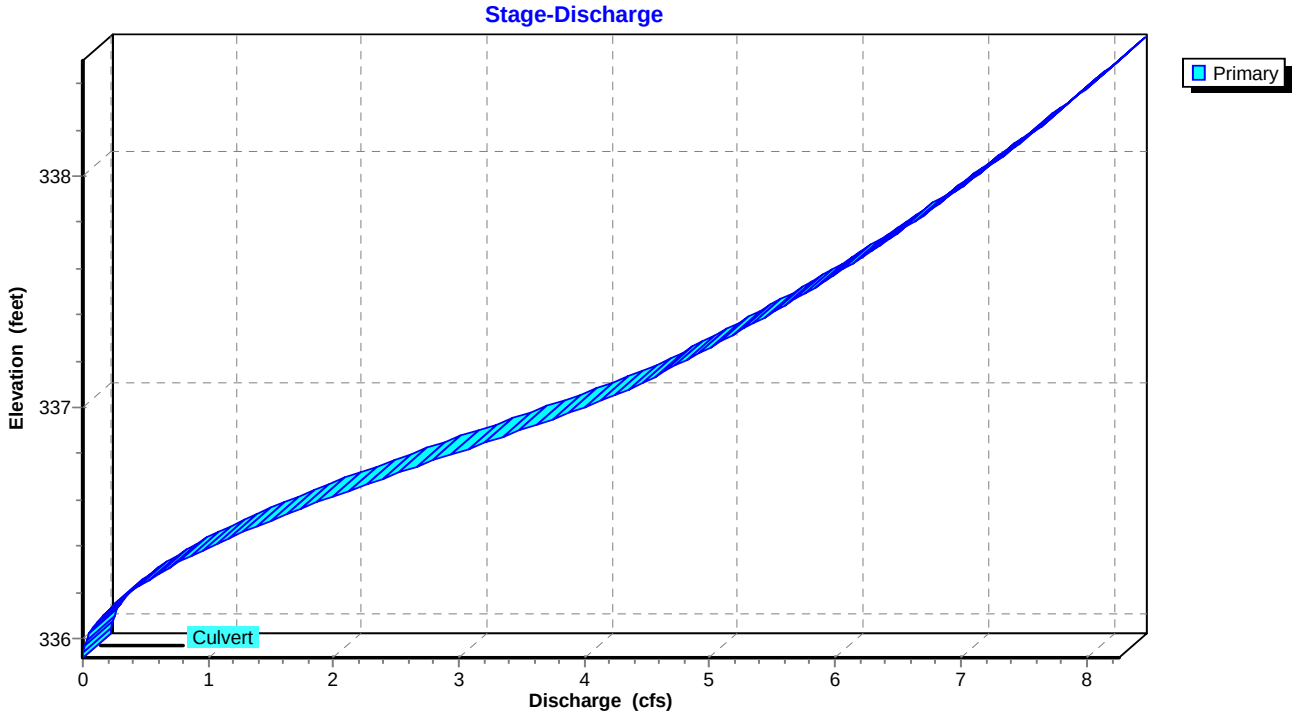
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.35 cfs @ 12.18 hrs HW=337.70' TW=332.16' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.35 cfs @ 5.17 fps)

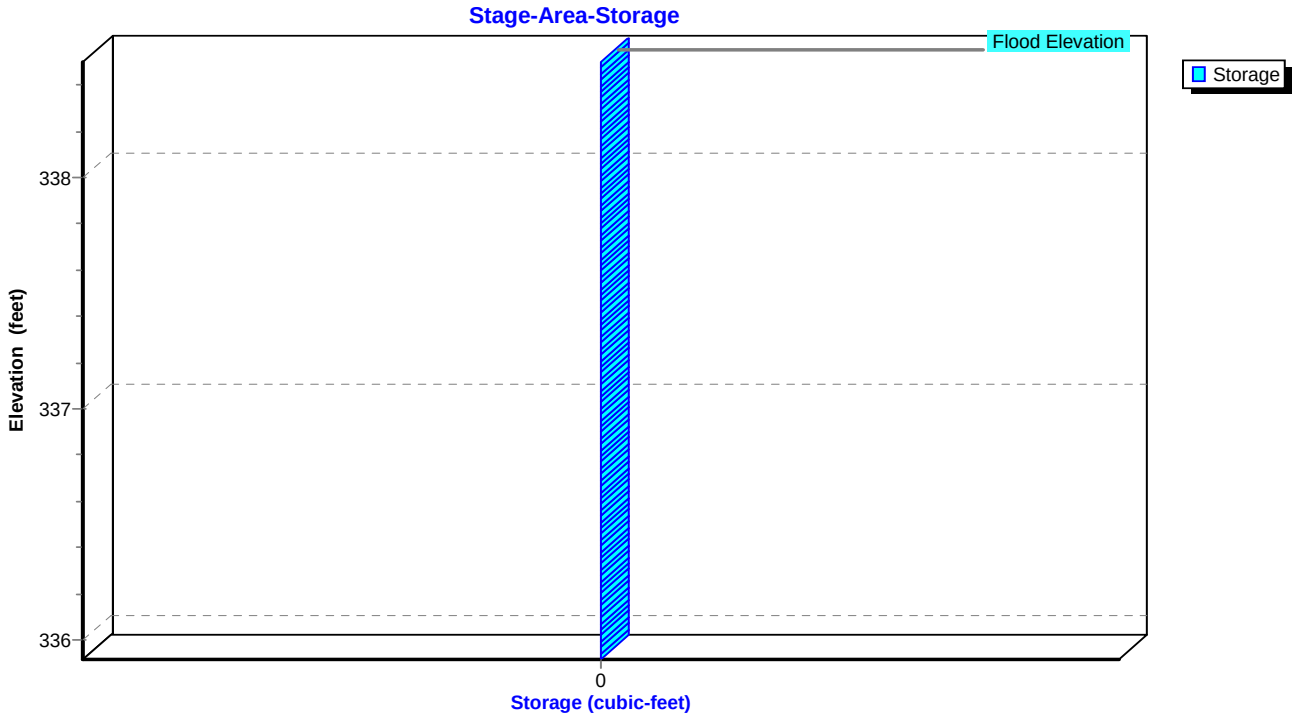
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.01	335.95	0.01
7.00	0.02	335.98	0.02
7.50	0.03	336.00	0.03
8.00	0.05	336.02	0.05
8.50	0.07	336.04	0.07
9.00	0.11	336.07	0.11
9.50	0.15	336.10	0.15
10.00	0.20	336.12	0.20
10.50	0.27	336.16	0.27
11.00	0.38	336.20	0.38
11.50	0.62	336.29	0.62
12.00	**2.91**	**336.79**	**2.91**
12.50	**2.75**	**336.76**	**2.75**
13.00	0.85	336.35	0.85
13.50	0.61	336.28	0.61
14.00	0.50	336.25	0.50
14.50	0.42	336.22	0.42
15.00	0.37	336.20	0.37
15.50	0.32	336.18	0.32
16.00	0.27	336.16	0.27
16.50	0.23	336.14	0.23
17.00	0.21	336.13	0.21
17.50	0.18	336.12	0.18
18.00	0.16	336.10	0.16
18.50	0.15	336.09	0.15
19.00	0.14	336.09	0.14
19.50	0.13	336.09	0.13
20.00	0.13	336.08	0.13
20.50	0.12	336.08	0.12
21.00	0.12	336.07	0.12
21.50	0.11	336.07	0.11
22.00	0.10	336.07	0.10
22.50	0.10	336.06	0.10
23.00	0.09	336.06	0.09
23.50	0.09	336.05	0.09
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

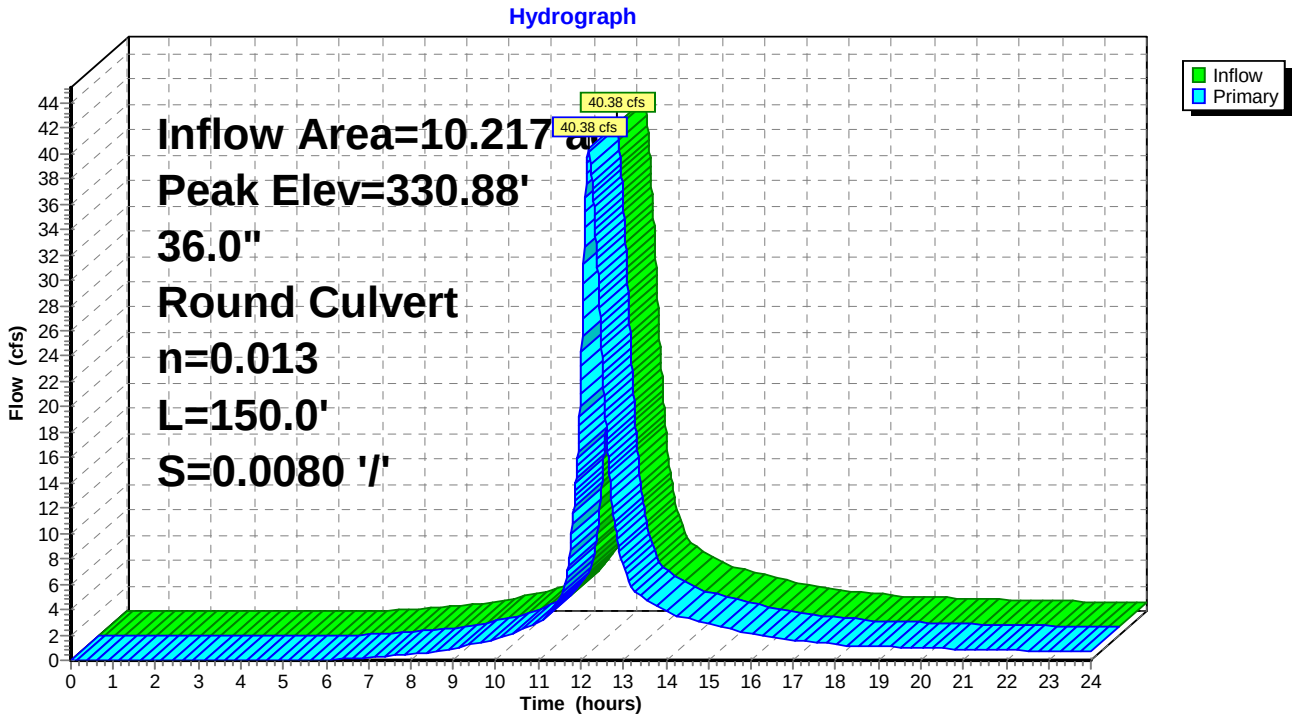
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af
Outflow = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af, Atten= 0%, Lag= 0.0 min
Primary = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.88' @ 12.18 hrs
Flood Elev= 335.75'

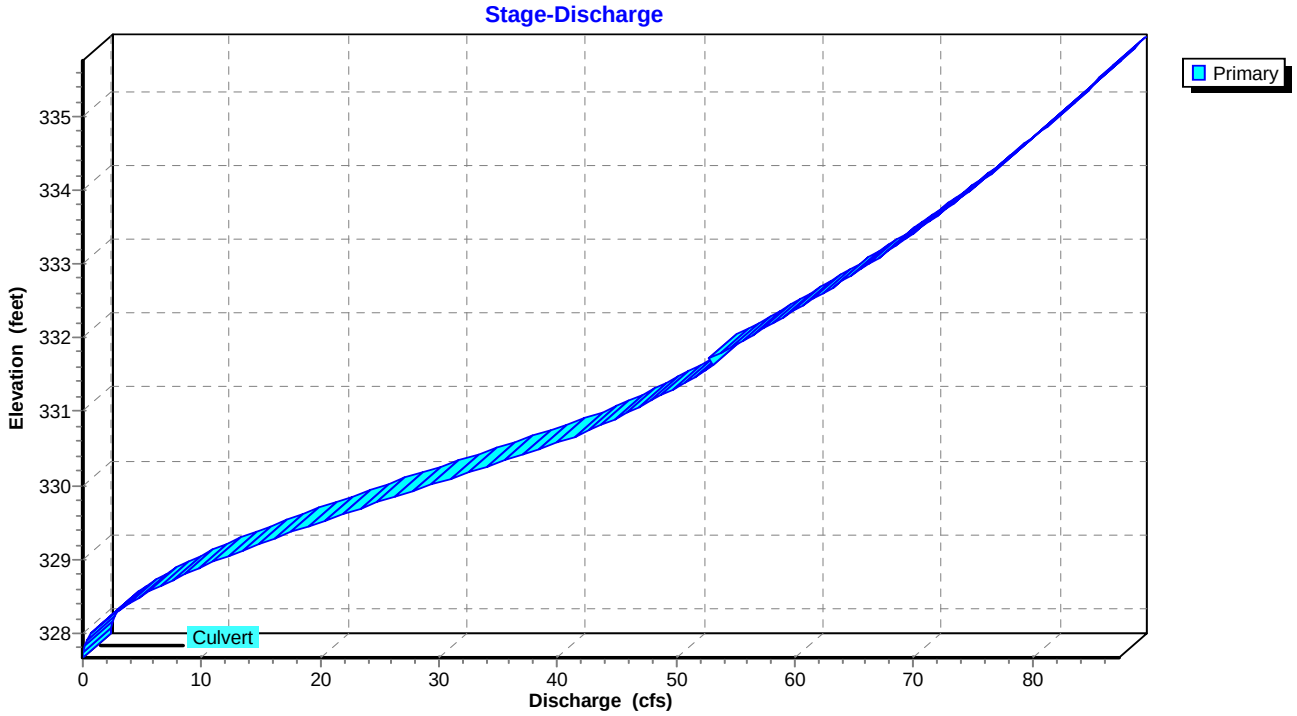
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=40.34 cfs @ 12.18 hrs HW=330.88' TW=329.28' (Dynamic Tailwater)
1=Culvert (Outlet Controls 40.34 cfs @ 6.64 fps)

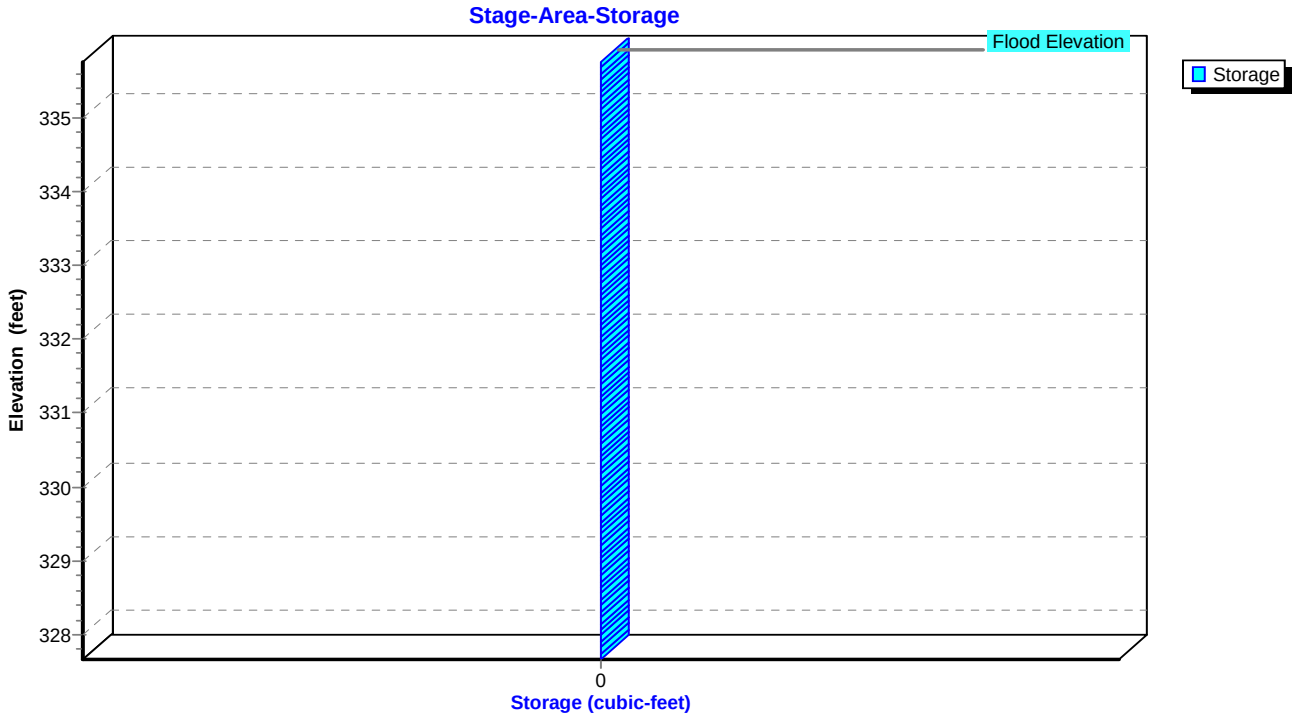
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.69	0.00
5.50	0.01	327.72	0.01
6.00	0.05	327.76	0.05
6.50	0.12	327.80	0.12
7.00	0.21	327.84	0.21
7.50	0.32	327.88	0.32
8.00	0.46	327.92	0.46
8.50	0.66	327.97	0.66
9.00	0.94	328.03	0.94
9.50	1.28	328.09	1.28
10.00	1.67	328.15	1.67
10.50	2.23	328.22	2.23
11.00	3.02	328.31	3.02
11.50	4.80	328.49	4.80
12.00	**22.09**	**329.73**	**22.09**
12.50	**23.97**	**329.82**	**23.97**
13.00	7.43	328.72	7.43
13.50	4.78	328.49	4.78
14.00	3.88	328.40	3.88
14.50	3.28	328.34	3.28
15.00	2.87	328.30	2.87
15.50	2.47	328.25	2.47
16.00	2.06	328.20	2.06
16.50	1.78	328.16	1.78
17.00	1.60	328.14	1.60
17.50	1.42	328.11	1.42
18.00	1.24	328.08	1.24
18.50	1.13	328.06	1.13
19.00	1.07	328.05	1.07
19.50	1.02	328.04	1.02
20.00	0.96	328.03	0.96
20.50	0.92	328.02	0.92
21.00	0.88	328.02	0.88
21.50	0.84	328.01	0.84
22.00	0.80	328.00	0.80
22.50	0.76	327.99	0.76
23.00	0.72	327.98	0.72
23.50	0.68	327.98	0.68
24.00	0.64	327.97	0.64

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

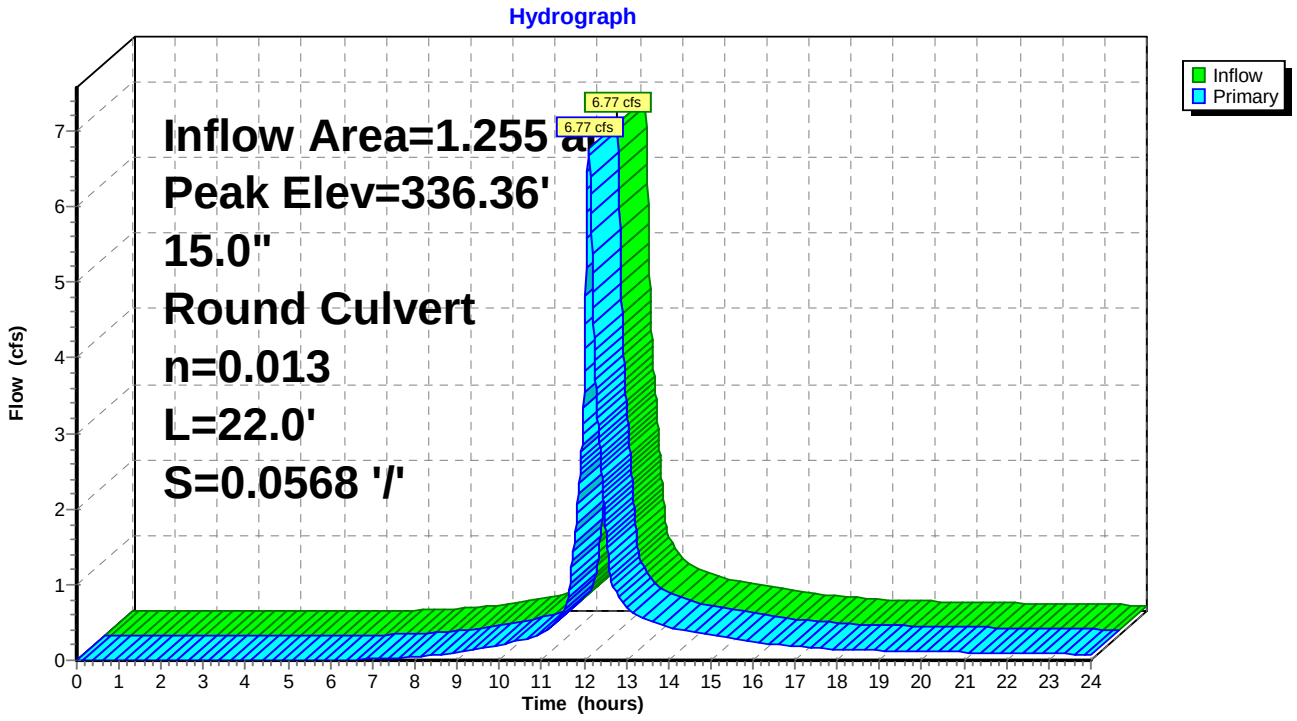
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af
Outflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af, Atten= 0%, Lag= 0.0 min
Primary = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.36' @ 12.12 hrs
Flood Elev= 337.00'

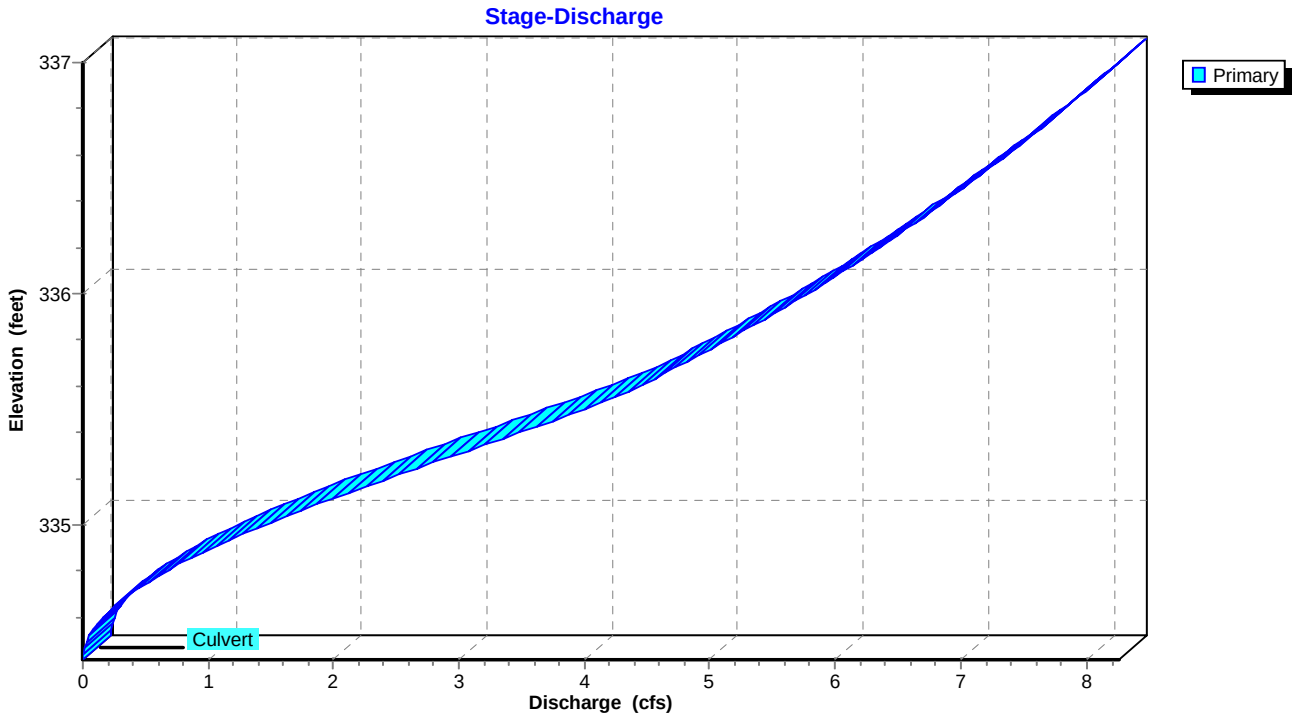
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.76 cfs @ 12.12 hrs HW=336.35' TW=330.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.76 cfs @ 5.51 fps)

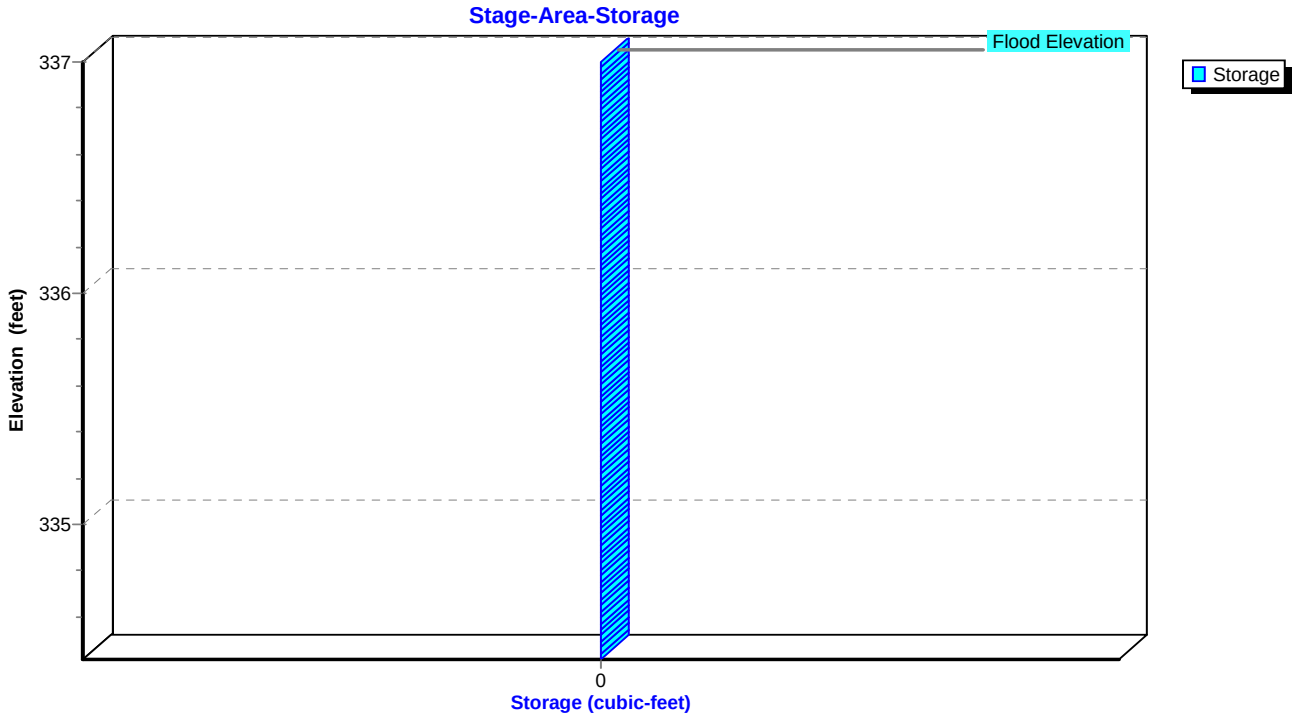
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.01	334.46	0.01
7.00	0.02	334.48	0.02
7.50	0.03	334.50	0.03
8.00	0.05	334.52	0.05
8.50	0.07	334.54	0.07
9.00	0.10	334.57	0.10
9.50	0.14	334.59	0.14
10.00	0.19	334.62	0.19
10.50	0.26	334.66	0.26
11.00	0.36	334.70	0.36
11.50	0.62	334.79	0.62
12.00	**3.55**	**335.41**	**3.55**
12.50	**1.91**	**335.10**	**1.91**
13.00	0.71	334.81	0.71
13.50	0.54	334.76	0.54
14.00	0.44	334.73	0.44
14.50	0.38	334.70	0.38
15.00	0.33	334.69	0.33
15.50	0.29	334.66	0.29
16.00	0.24	334.64	0.24
16.50	0.21	334.63	0.21
17.00	0.19	334.62	0.19
17.50	0.17	334.61	0.17
18.00	0.14	334.59	0.14
18.50	0.13	334.59	0.13
19.00	0.13	334.58	0.13
19.50	0.12	334.58	0.12
20.00	0.12	334.57	0.12
20.50	0.11	334.57	0.11
21.00	0.10	334.57	0.10
21.50	0.10	334.56	0.10
22.00	0.10	334.56	0.10
22.50	0.09	334.56	0.09
23.00	0.09	334.55	0.09
23.50	0.08	334.55	0.08
24.00	0.08	334.54	0.08

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

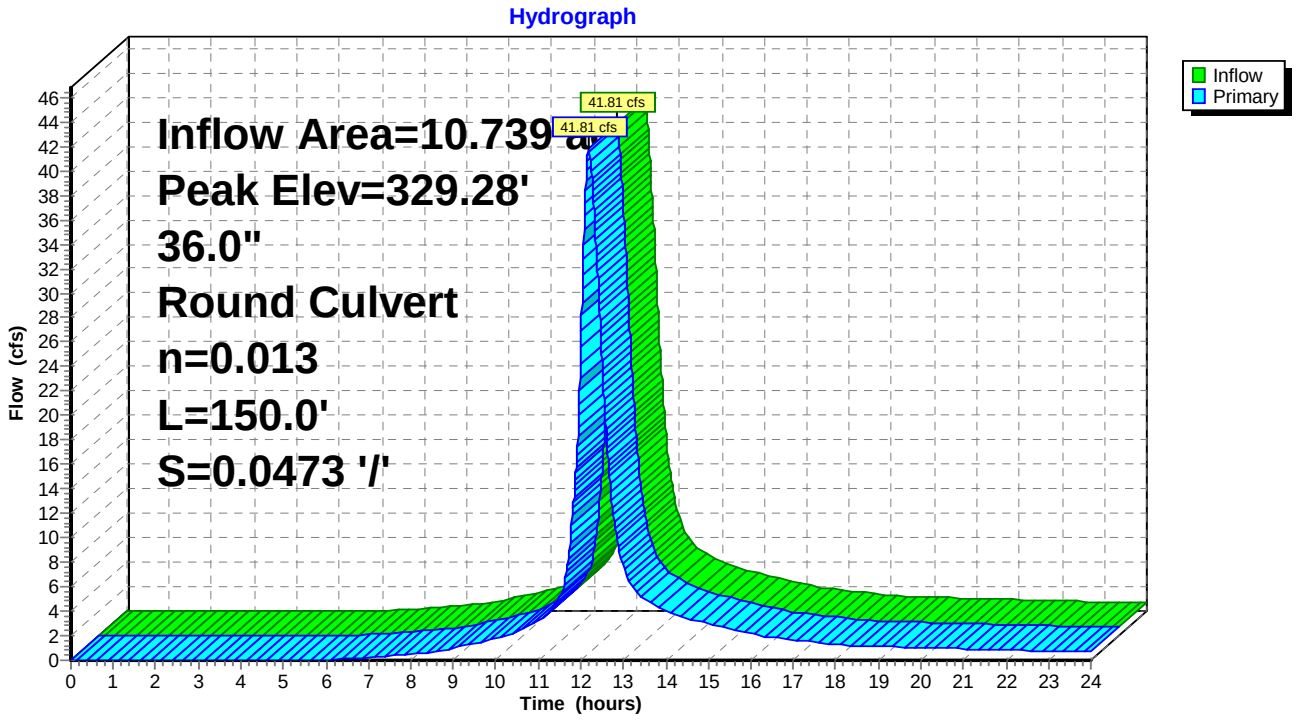
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af
Outflow = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af, Atten= 0%, Lag= 0.0 min
Primary = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.28' @ 12.18 hrs
Flood Elev= 332.25'

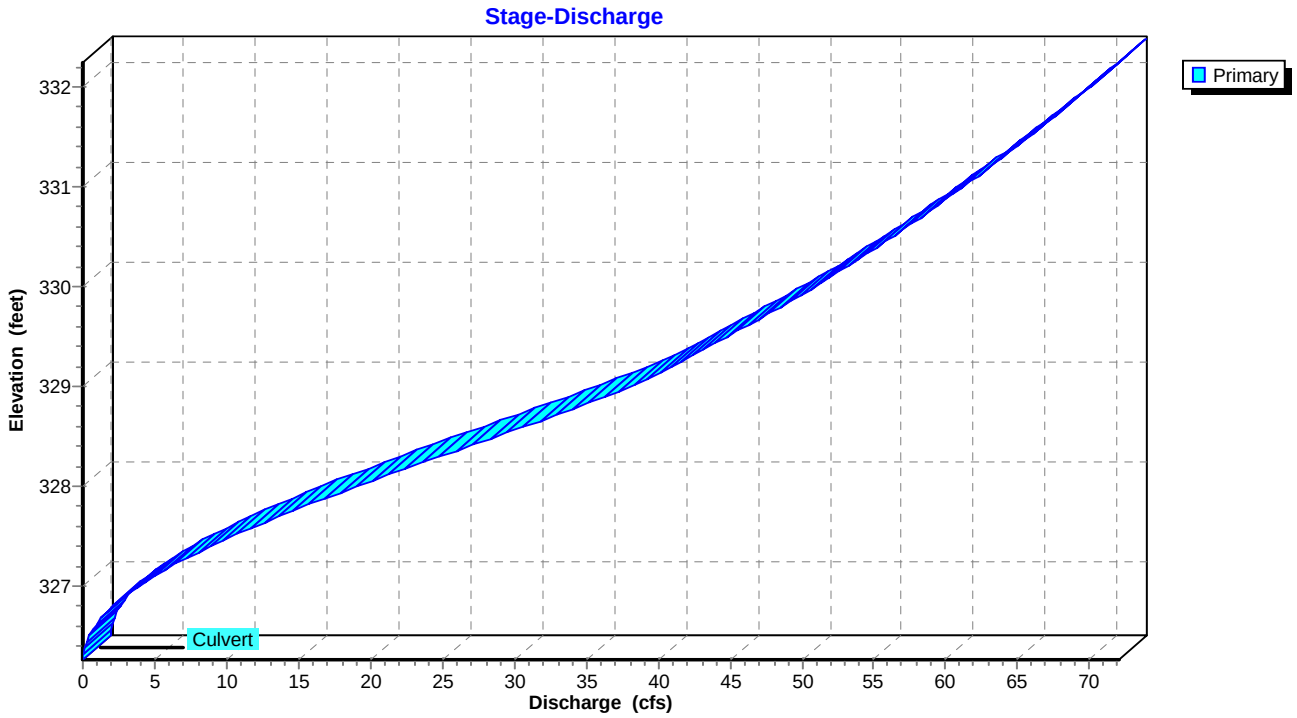
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=41.80 cfs @ 12.18 hrs HW=329.28' TW=322.22' (Dynamic Tailwater)
1=Culvert (Inlet Controls 41.80 cfs @ 5.91 fps)

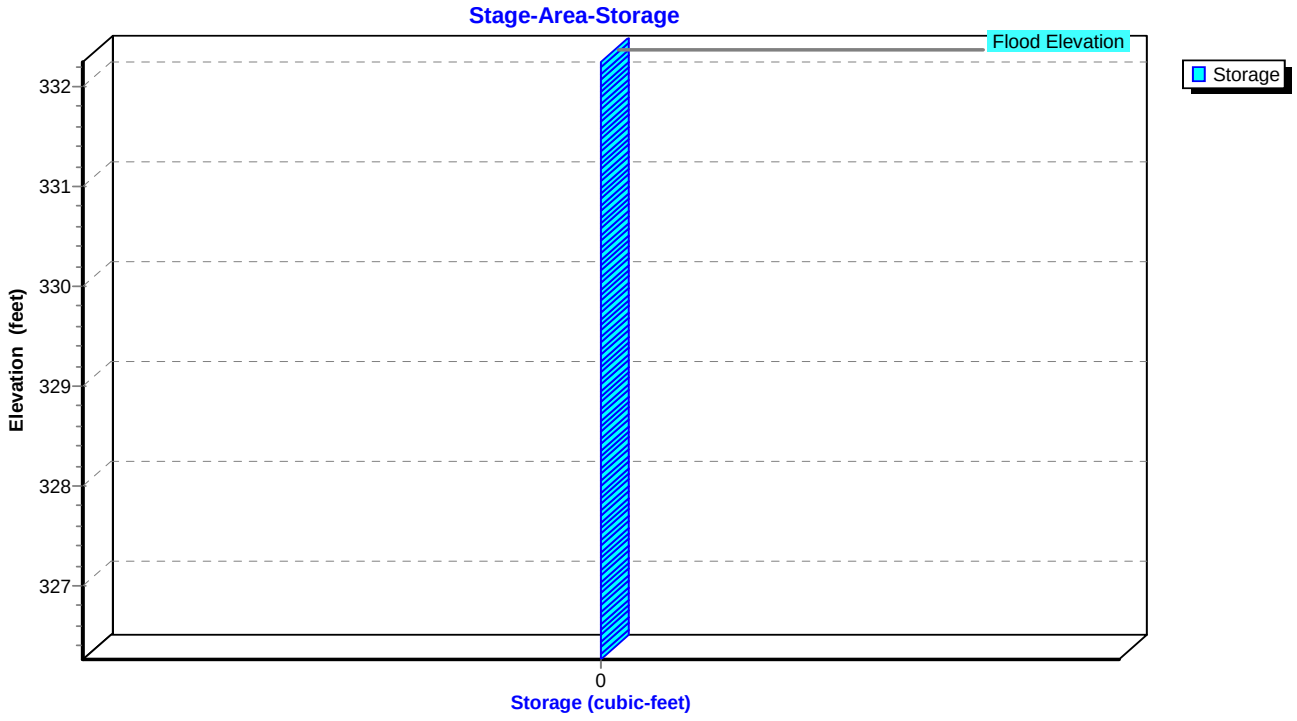
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.28	0.00
5.50	0.01	326.31	0.01
6.00	0.05	326.35	0.05
6.50	0.12	326.40	0.12
7.00	0.22	326.44	0.22
7.50	0.34	326.48	0.34
8.00	0.49	326.52	0.49
8.50	0.70	326.57	0.70
9.00	0.99	326.63	0.99
9.50	1.35	326.69	1.35
10.00	1.76	326.76	1.76
10.50	2.37	326.84	2.37
11.00	3.19	326.93	3.19
11.50	5.11	327.11	5.11
12.00	**25.58**	**328.35**	**25.58**
12.50	**24.44**	**328.29**	**24.44**
13.00	7.69	327.32	7.69
13.50	5.00	327.11	5.00
14.00	4.06	327.02	4.06
14.50	3.43	326.96	3.43
15.00	3.01	326.91	3.01
15.50	2.59	326.86	2.59
16.00	2.16	326.81	2.16
16.50	1.86	326.77	1.86
17.00	1.67	326.74	1.67
17.50	1.49	326.72	1.49
18.00	1.30	326.69	1.30
18.50	1.18	326.67	1.18
19.00	1.12	326.66	1.12
19.50	1.07	326.65	1.07
20.00	1.01	326.64	1.01
20.50	0.96	326.63	0.96
21.00	0.92	326.62	0.92
21.50	0.88	326.61	0.88
22.00	0.84	326.60	0.84
22.50	0.80	326.59	0.80
23.00	0.75	326.58	0.75
23.50	0.71	326.58	0.71
24.00	0.67	326.57	0.67

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

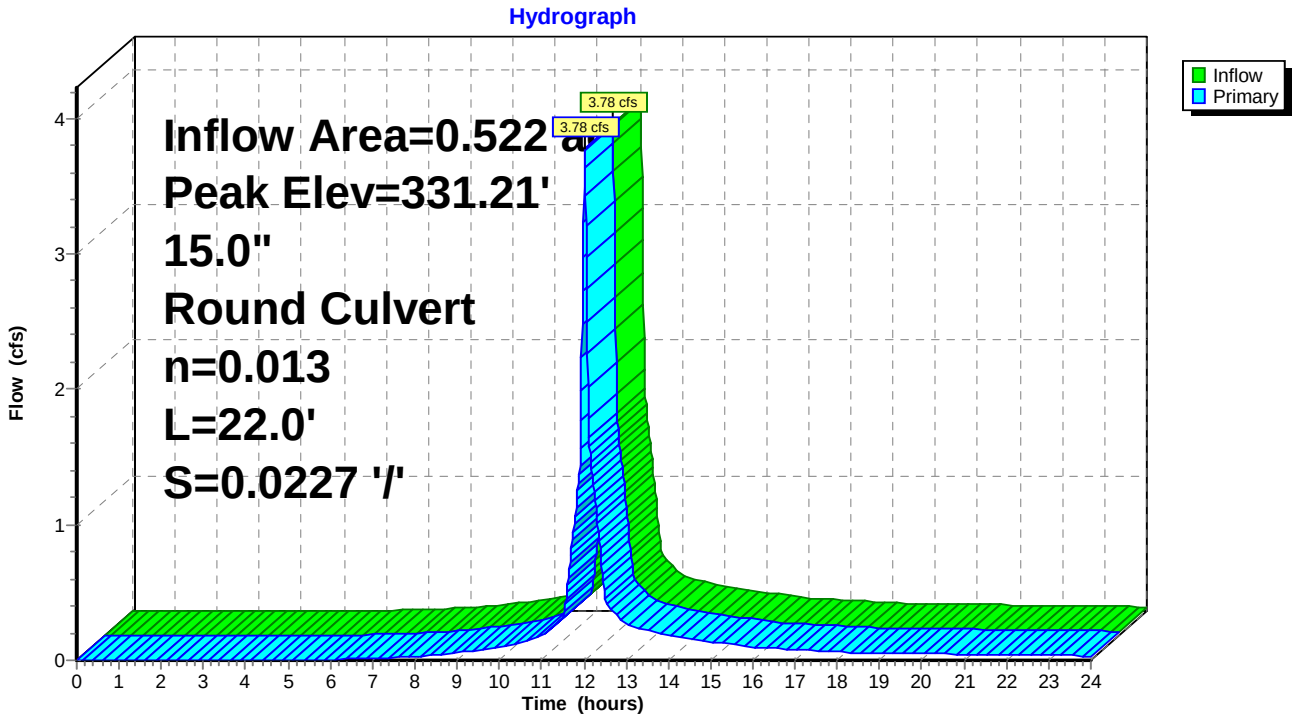
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af
Outflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af, Atten= 0%, Lag= 0.0 min
Primary = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.21' @ 12.02 hrs
Flood Elev= 332.80'

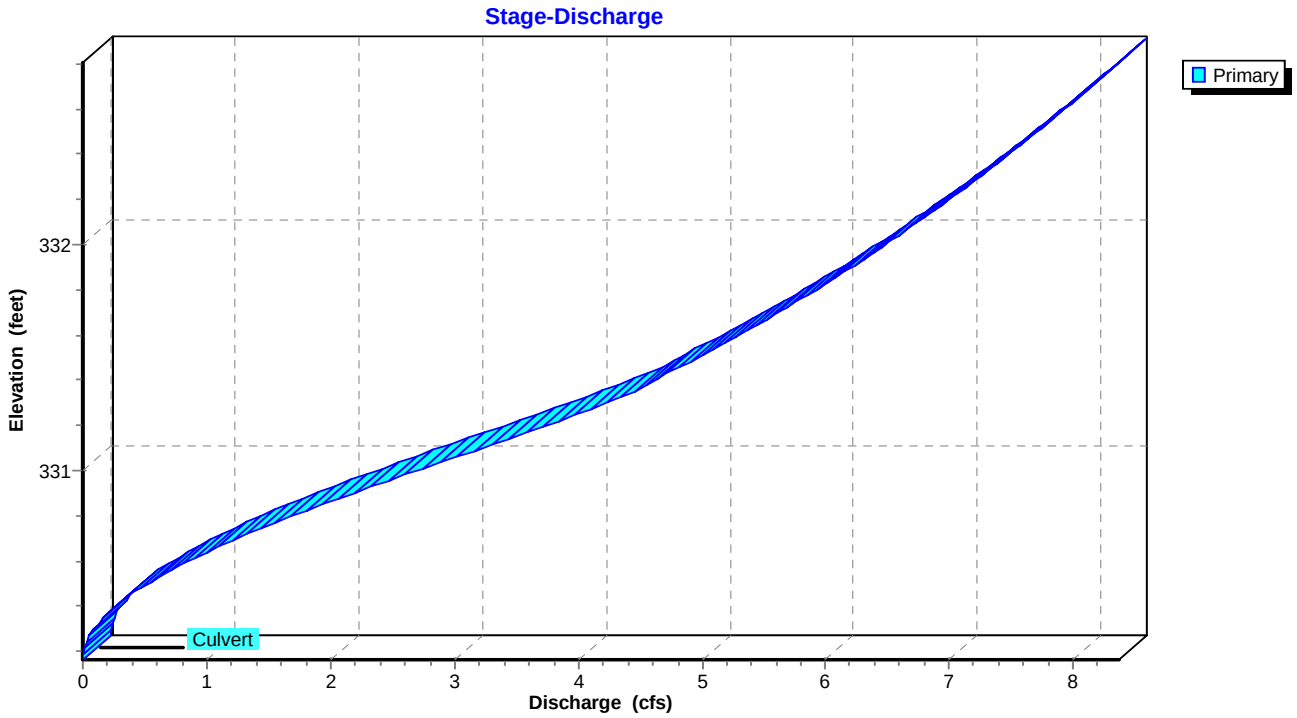
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.76 cfs @ 12.02 hrs HW=331.20' TW=328.46' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.76 cfs @ 3.46 fps)

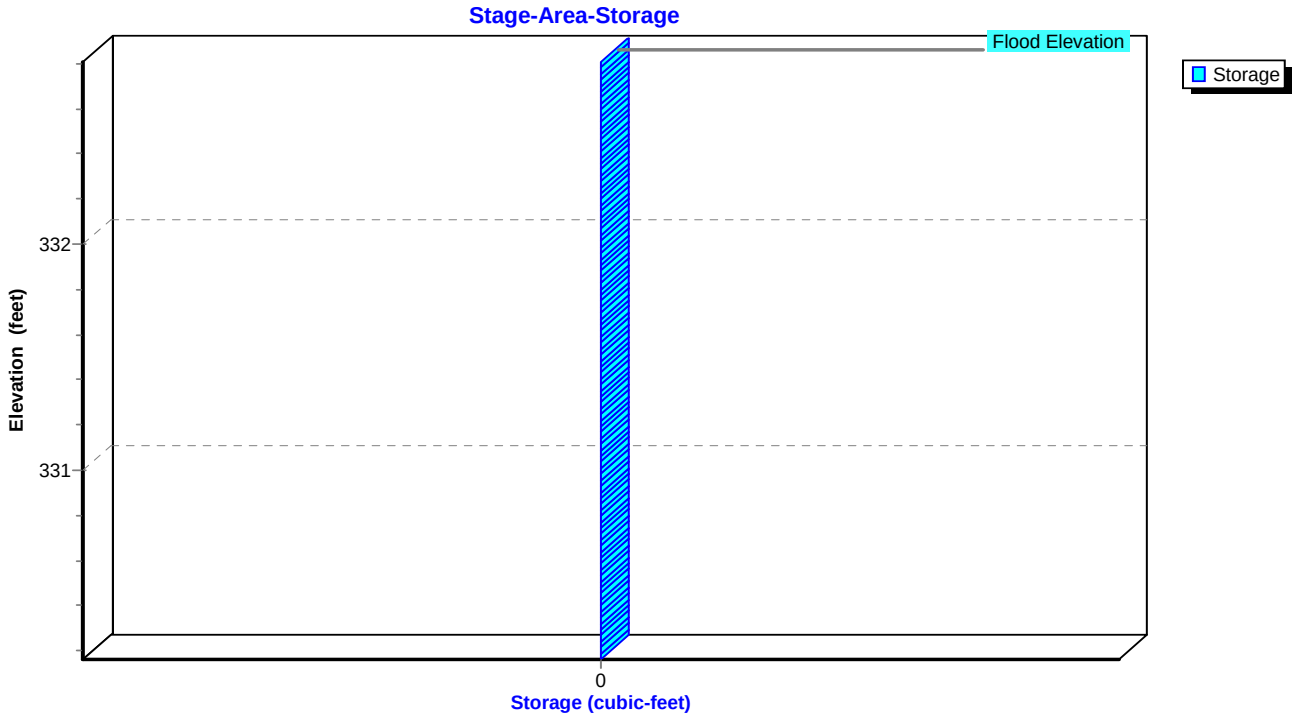
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.18	0.00
6.00	0.00	330.20	0.00
6.50	0.01	330.21	0.01
7.00	0.01	330.22	0.01
7.50	0.02	330.23	0.02
8.00	0.03	330.24	0.03
8.50	0.04	330.26	0.04
9.00	0.06	330.28	0.06
9.50	0.07	330.29	0.07
10.00	0.09	330.31	0.09
10.50	0.13	330.33	0.13
11.00	0.17	330.36	0.17
11.50	0.31	330.43	0.31
12.00	**3.49**	**331.15**	**3.49**
12.50	**0.47**	**330.49**	**0.47**
13.00	0.27	330.41	0.27
13.50	0.22	330.38	0.22
14.00	0.18	330.36	0.18
14.50	0.16	330.35	0.16
15.00	0.14	330.34	0.14
15.50	0.12	330.32	0.12
16.00	0.10	330.31	0.10
16.50	0.09	330.30	0.09
17.00	0.08	330.30	0.08
17.50	0.07	330.29	0.07
18.00	0.06	330.28	0.06
18.50	0.06	330.28	0.06
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.05	330.27	0.05
20.50	0.05	330.27	0.05
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.04	330.26	0.04
23.00	0.04	330.25	0.04
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

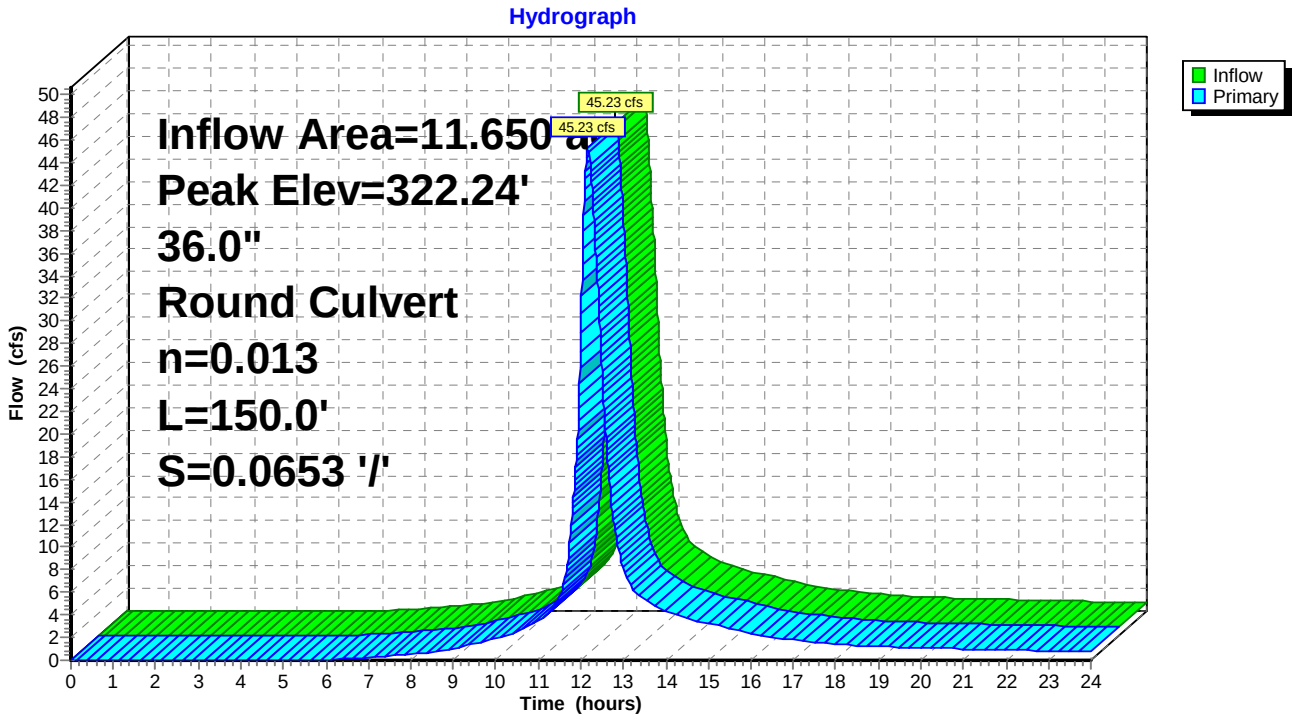
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 5.24" for 100-Year event
Inflow = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af
Outflow = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af, Atten= 0%, Lag= 0.0 min
Primary = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.24' @ 12.16 hrs
Flood Elev= 338.50'

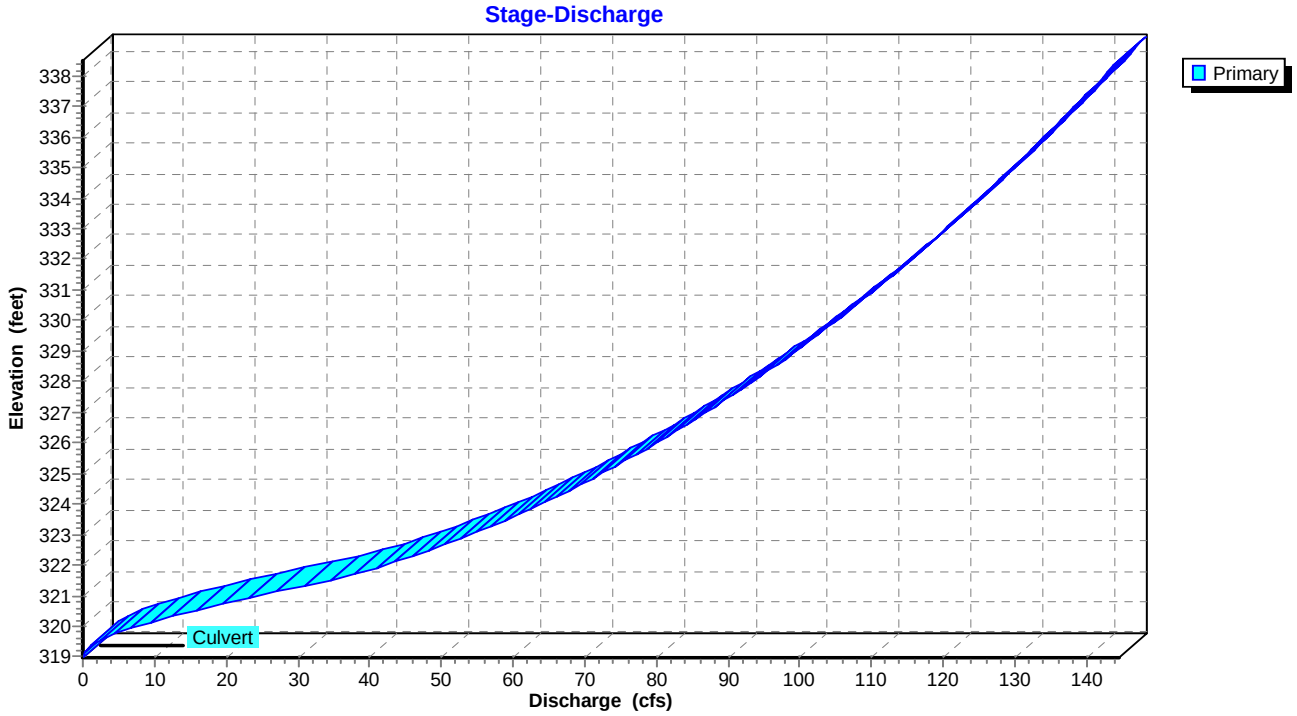
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=45.23 cfs @ 12.16 hrs HW=322.24' TW=312.38' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.23 cfs @ 6.40 fps)

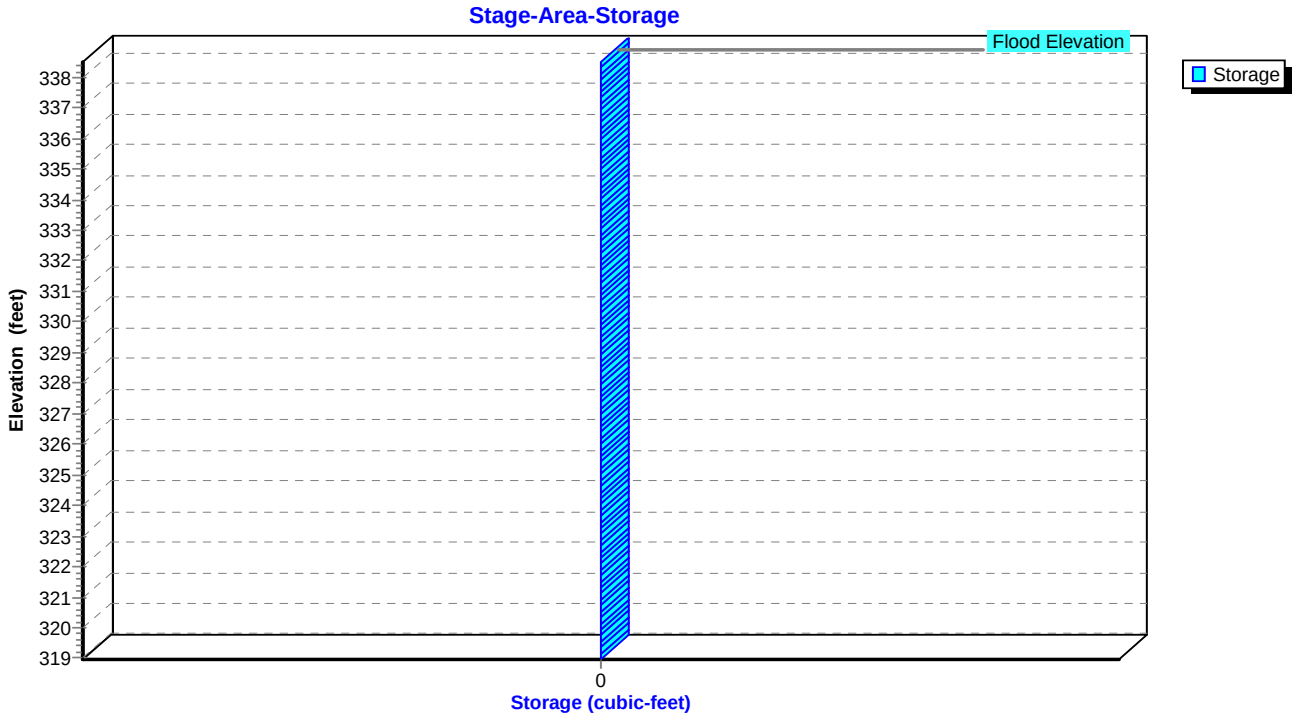
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.98	0.00
5.50	0.01	319.01	0.01
6.00	0.05	319.05	0.05
6.50	0.13	319.10	0.13
7.00	0.23	319.14	0.23
7.50	0.36	319.19	0.36
8.00	0.52	319.23	0.52
8.50	0.74	319.28	0.74
9.00	1.06	319.34	1.06
9.50	1.45	319.41	1.45
10.00	1.89	319.47	1.89
10.50	2.55	319.56	2.55
11.00	3.45	319.66	3.45
11.50	5.57	319.85	5.57
12.00	**28.91**	**321.21**	**28.91**
12.50	**25.57**	**321.04**	**25.57**
13.00	8.18	320.05	8.18
13.50	5.38	319.84	5.38
14.00	4.37	319.75	4.37
14.50	3.71	319.68	3.71
15.00	3.25	319.64	3.25
15.50	2.79	319.59	2.79
16.00	2.33	319.53	2.33
16.50	2.01	319.49	2.01
17.00	1.81	319.46	1.81
17.50	1.60	319.43	1.60
18.00	1.40	319.40	1.40
18.50	1.28	319.38	1.28
19.00	1.22	319.37	1.22
19.50	1.16	319.36	1.16
20.00	1.09	319.35	1.09
20.50	1.04	319.34	1.04
21.00	1.00	319.33	1.00
21.50	0.95	319.32	0.95
22.00	0.91	319.32	0.91
22.50	0.86	319.31	0.86
23.00	0.81	319.30	0.81
23.50	0.77	319.29	0.77
24.00	0.72	319.28	0.72

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

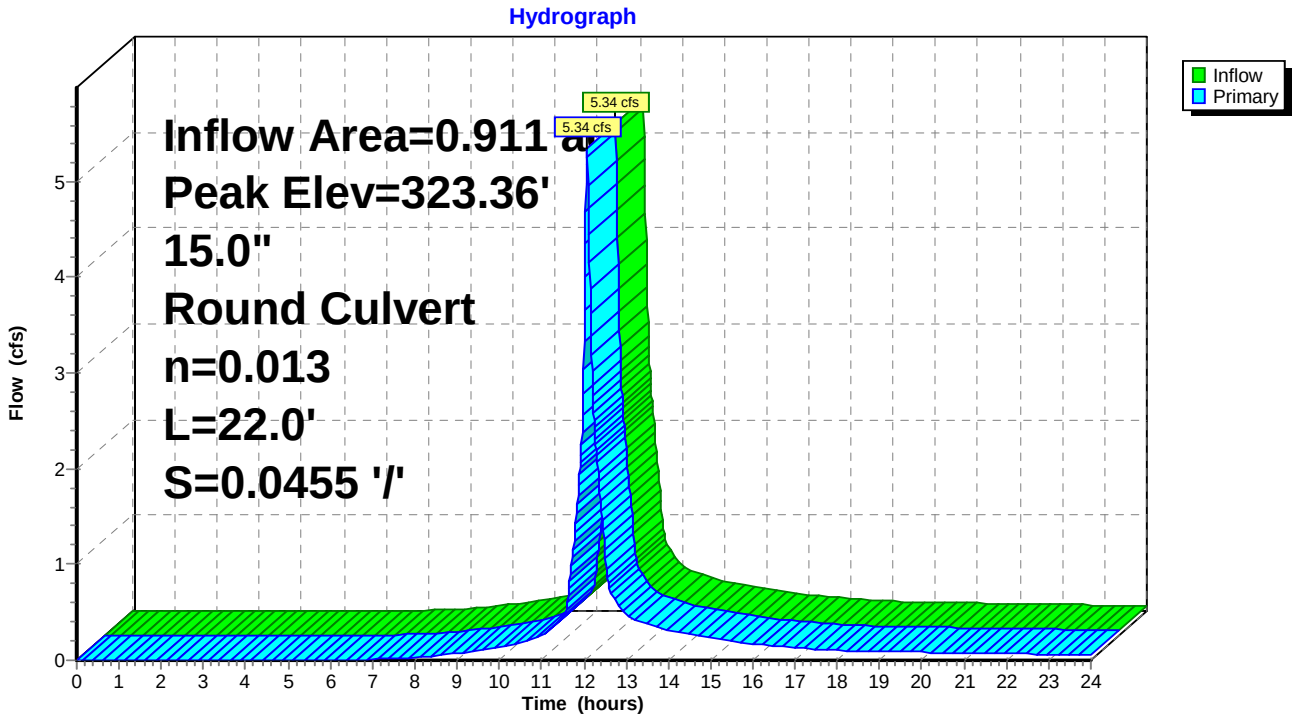
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.93" for 100-Year event
Inflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af
Outflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.36' @ 12.08 hrs
Flood Elev= 324.50'

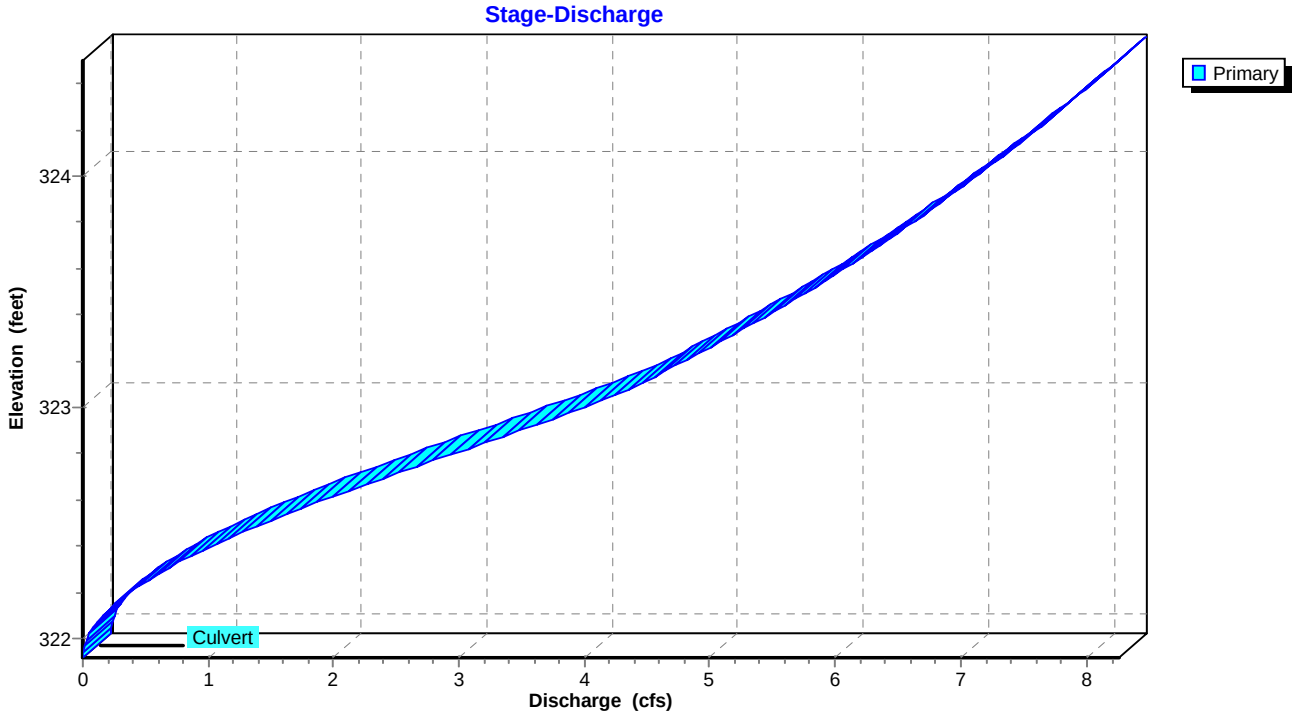
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.34 cfs @ 12.08 hrs HW=323.36' TW=321.86' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.34 cfs @ 4.35 fps)

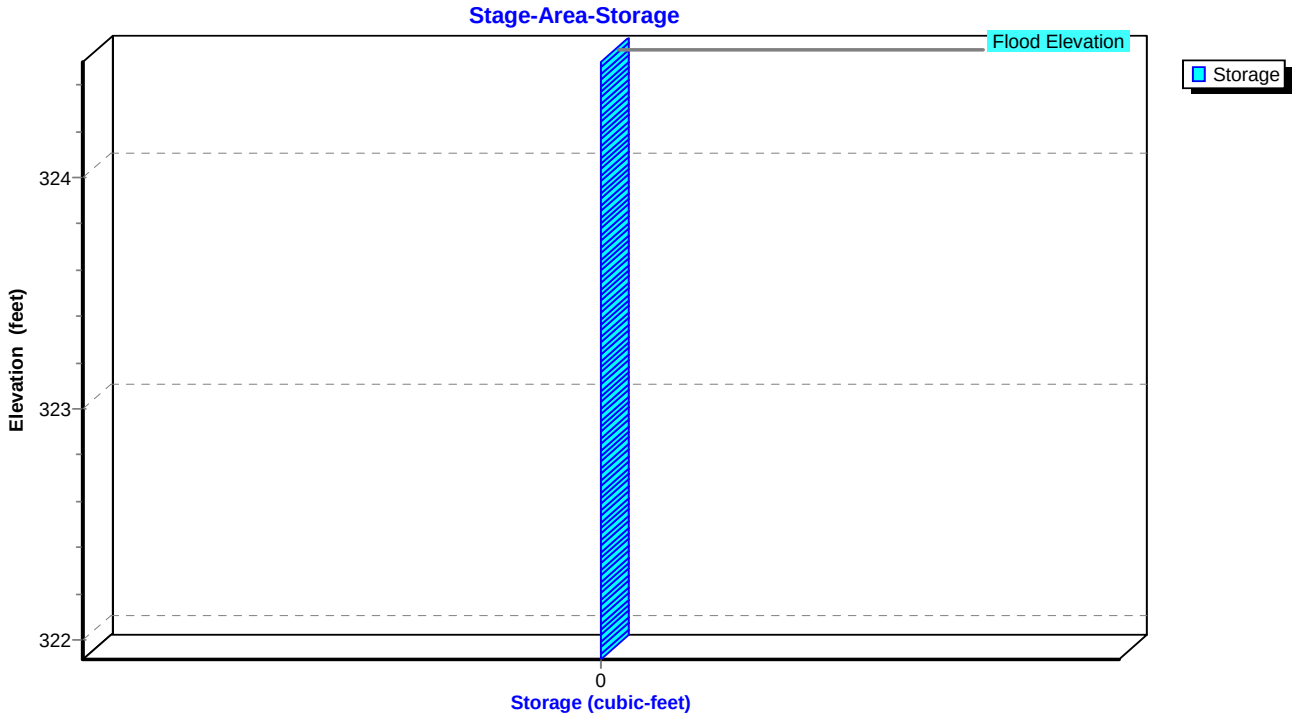
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.94	0.00
7.00	0.01	321.96	0.01
7.50	0.02	321.98	0.02
8.00	0.03	322.00	0.03
8.50	0.05	322.02	0.05
9.00	0.07	322.04	0.07
9.50	0.10	322.06	0.10
10.00	0.13	322.09	0.13
10.50	0.19	322.12	0.19
11.00	0.26	322.15	0.26
11.50	0.45	322.23	0.45
12.00	**3.33**	**322.87**	**3.33**
12.50	**1.13**	**322.43**	**1.13**
13.00	0.48	322.24	0.48
13.50	0.38	322.20	0.38
14.00	0.31	322.18	0.31
14.50	0.27	322.16	0.27
15.00	0.24	322.14	0.24
15.50	0.20	322.12	0.20
16.00	0.17	322.11	0.17
16.50	0.15	322.09	0.15
17.00	0.13	322.09	0.13
17.50	0.12	322.08	0.12
18.00	0.10	322.06	0.10
18.50	0.10	322.06	0.10
19.00	0.09	322.06	0.09
19.50	0.09	322.05	0.09
20.00	0.08	322.05	0.08
20.50	0.08	322.05	0.08
21.00	0.08	322.04	0.08
21.50	0.07	322.04	0.07
22.00	0.07	322.04	0.07
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.06	322.03	0.06
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Summary for Pond MH1: (new Pond)

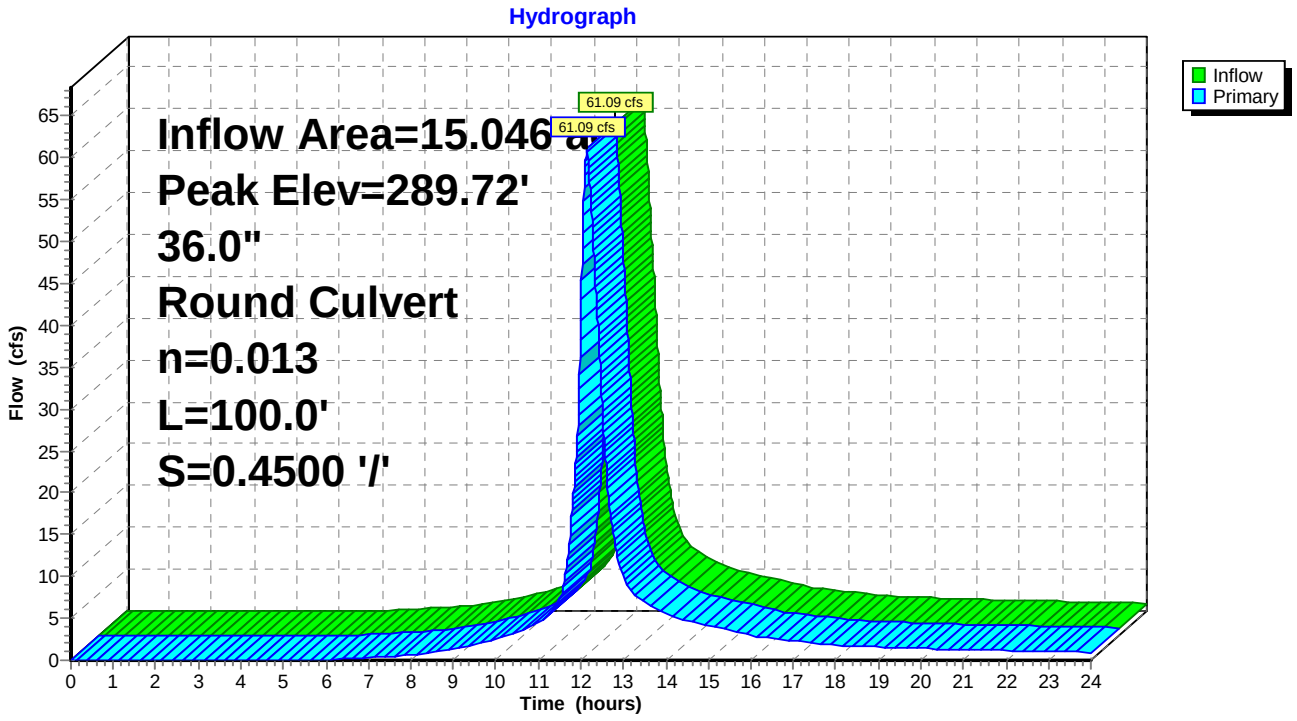
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 5.22" for 100-Year event
Inflow = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af
Outflow = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af, Atten= 0%, Lag= 0.0 min
Primary = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 289.72' @ 12.14 hrs
Flood Elev= 295.00'

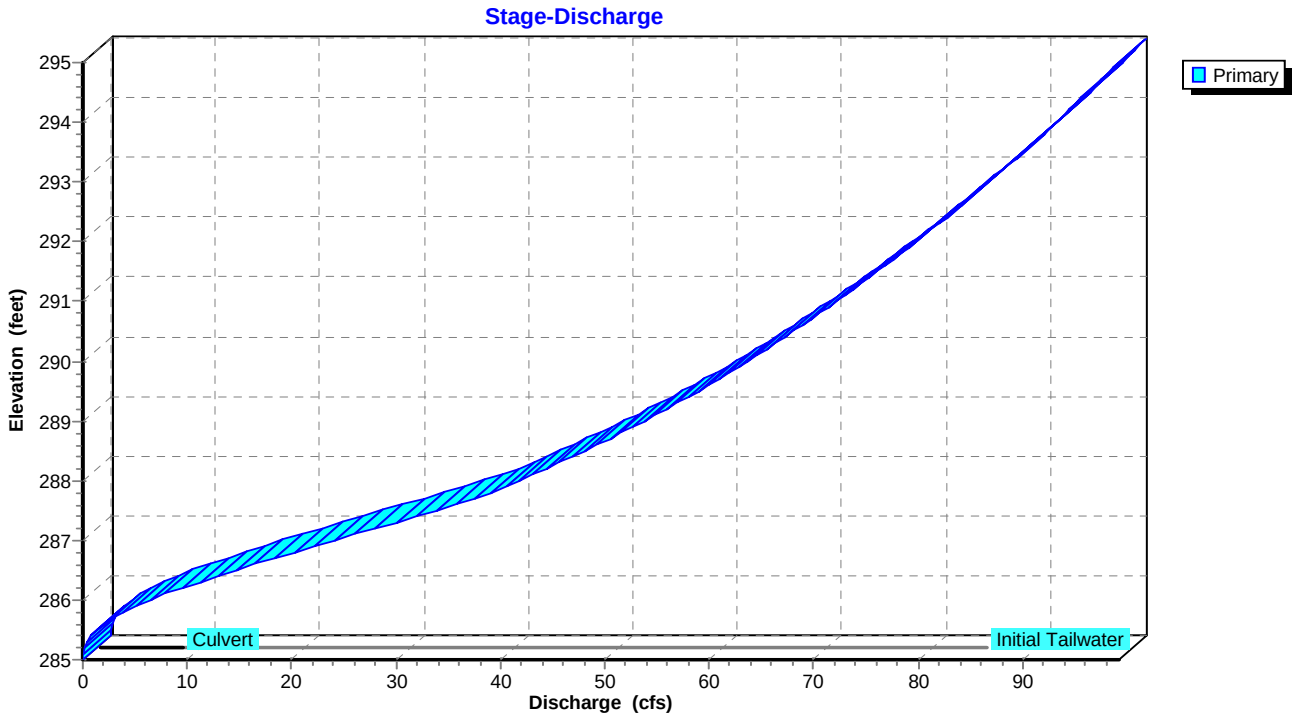
Device	Routing	Invert	Outlet Devices
#1	Primary	285.00'	**36.0" Round Culvert** L= 100.0' Ke= 0.500 Inlet / Outlet Invert= 285.00' / 240.00' S= 0.4500 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=61.06 cfs @ 12.14 hrs HW=289.72' TW=285.38' (Dynamic Tailwater)
1=Culvert (Inlet Controls 61.06 cfs @ 8.64 fps)

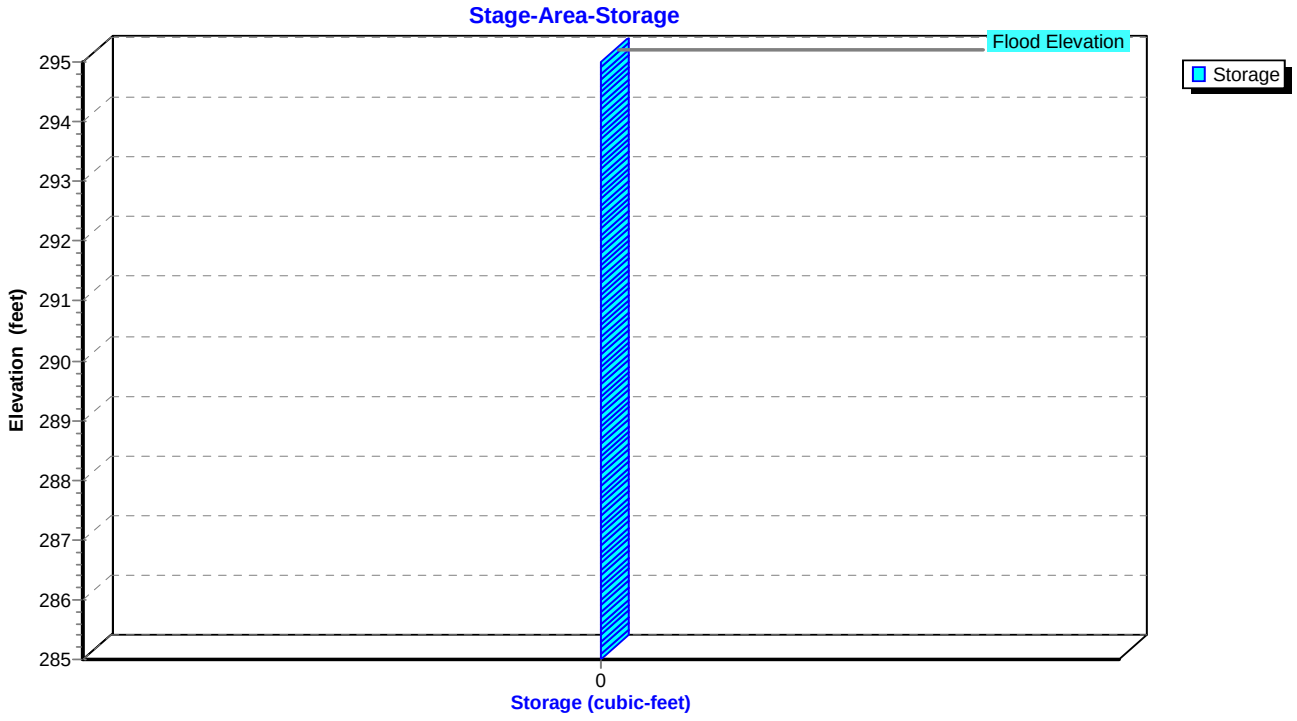
Pond MH1: (new Pond)



Pond MH1: (new Pond)



Pond MH1: (new Pond)



Hydrograph for Pond MH1: (new Pond)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	285.00	0.00
0.50	0.00	285.00	0.00
1.00	0.00	285.00	0.00
1.50	0.00	285.00	0.00
2.00	0.00	285.00	0.00
2.50	0.00	285.00	0.00
3.00	0.00	285.00	0.00
3.50	0.00	285.00	0.00
4.00	0.00	285.00	0.00
4.50	0.00	285.00	0.00
5.00	0.00	285.03	0.00
5.50	0.02	285.09	0.02
6.00	0.07	285.15	0.07
6.50	0.16	285.21	0.16
7.00	0.29	285.27	0.29
7.50	0.46	285.33	0.46
8.00	0.66	285.38	0.66
8.50	0.96	285.45	0.96
9.00	1.37	285.52	1.37
9.50	1.87	285.59	1.87
10.00	2.44	285.66	2.44
10.50	3.31	285.76	3.31
11.00	4.47	285.87	4.47
11.50	7.32	286.09	7.32
12.00	**40.58**	**287.90**	**40.58**
12.50	**30.69**	**287.33**	**30.69**
13.00	10.10	286.26	10.10
13.50	6.86	286.05	6.86
14.00	5.58	285.96	5.58
14.50	4.75	285.89	4.75
15.00	4.15	285.84	4.15
15.50	3.57	285.78	3.57
16.00	2.97	285.72	2.97
16.50	2.58	285.68	2.58
17.00	2.32	285.65	2.32
17.50	2.06	285.62	2.06
18.00	1.80	285.58	1.80
18.50	1.64	285.56	1.64
19.00	1.56	285.55	1.56
19.50	1.49	285.54	1.49
20.00	1.41	285.52	1.41
20.50	1.34	285.51	1.34
21.00	1.28	285.50	1.28
21.50	1.22	285.49	1.22
22.00	1.17	285.48	1.17
22.50	1.11	285.47	1.11
23.00	1.05	285.46	1.05
23.50	0.99	285.45	0.99
24.00	0.93	285.44	0.93

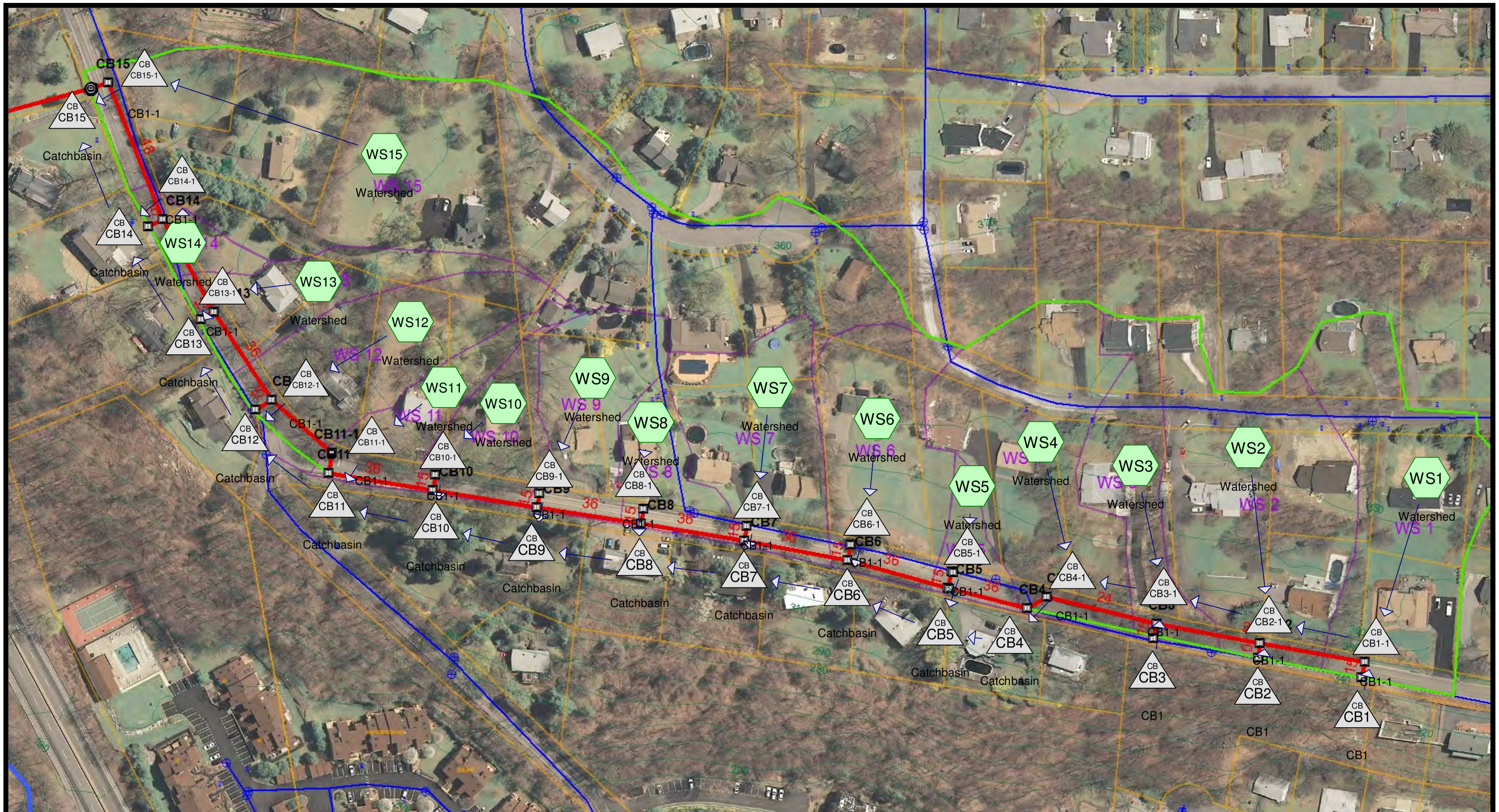
Stage-Discharge for Pond MH1: (new Pond)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
285.00	0.00	290.10	64.58
285.10	0.02	290.20	65.47
285.20	0.13	290.30	66.35
285.30	0.37	290.40	67.21
285.40	0.76	290.50	68.07
285.50	1.31	290.60	68.92
285.60	2.01	290.70	69.75
285.70	2.88	290.80	70.58
285.80	3.91	290.90	71.39
285.90	5.09	291.00	72.20
286.00	6.43	291.10	73.00
286.10	7.91	291.20	73.79
286.20	9.53	291.30	74.57
286.30	11.29	291.40	75.34
286.40	13.03	291.50	76.10
286.50	14.74	291.60	76.86
286.60	16.51	291.70	77.61
286.70	18.34	291.80	78.35
286.80	20.23	291.90	79.09
286.90	22.15	292.00	79.82
287.00	24.10	292.10	80.54
287.10	26.08	292.20	81.26
287.20	28.05	292.30	81.97
287.30	30.03	292.40	82.67
287.40	31.98	292.50	83.37
287.50	33.88	292.60	84.06
287.60	35.73	292.70	84.75
287.70	37.49	292.80	85.43
287.80	39.12	292.90	86.10
287.90	40.56	293.00	86.77
288.00	41.68	293.10	87.44
288.10	43.05	293.20	88.10
288.20	44.38	293.30	88.75
288.30	45.66	293.40	89.40
288.40	46.91	293.50	90.05
288.50	48.13	293.60	90.69
288.60	49.32	293.70	91.33
288.70	50.48	293.80	91.96
288.80	51.62	293.90	92.59
288.90	52.73	294.00	93.21
289.00	53.81	294.10	93.83
289.10	54.88	294.20	94.44
289.20	55.93	294.30	95.05
289.30	56.95	294.40	95.66
289.40	57.96	294.50	96.27
289.50	58.95	294.60	96.87
289.60	59.92	294.70	97.46
289.70	60.88	294.80	98.05
289.80	61.83	294.90	98.64
289.90	62.76	295.00	**99.23**
290.00	63.67		

Stage-Area-Storage for Pond MH1: (new Pond)

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
285.00	**0**	290.10	0
285.10	0	290.20	0
285.20	0	290.30	0
285.30	0	290.40	0
285.40	0	290.50	0
285.50	0	290.60	0
285.60	0	290.70	0
285.70	0	290.80	0
285.80	0	290.90	0
285.90	0	291.00	0
286.00	0	291.10	0
286.10	0	291.20	0
286.20	0	291.30	0
286.30	0	291.40	0
286.40	0	291.50	0
286.50	0	291.60	0
286.60	0	291.70	0
286.70	0	291.80	0
286.80	0	291.90	0
286.90	0	292.00	0
287.00	0	292.10	0
287.10	0	292.20	0
287.20	0	292.30	0
287.30	0	292.40	0
287.40	0	292.50	0
287.50	0	292.60	0
287.60	0	292.70	0
287.70	0	292.80	0
287.80	0	292.90	0
287.90	0	293.00	0
288.00	0	293.10	0
288.10	0	293.20	0
288.20	0	293.30	0
288.30	0	293.40	0
288.40	0	293.50	0
288.50	0	293.60	0
288.60	0	293.70	0
288.70	0	293.80	0
288.80	0	293.90	0
288.90	0	294.00	0
289.00	0	294.10	0
289.10	0	294.20	0
289.20	0	294.30	0
289.30	0	294.40	0
289.40	0	294.50	0
289.50	0	294.60	0
289.60	0	294.70	0
289.70	0	294.80	0
289.80	0	294.90	0
289.90	0	295.00	0
290.00	0		

B - Alternate 2



Routing Diagram for Cedar Lane Drainage Study Alternate2

Prepared by Microsoft, Printed 11/23/2011

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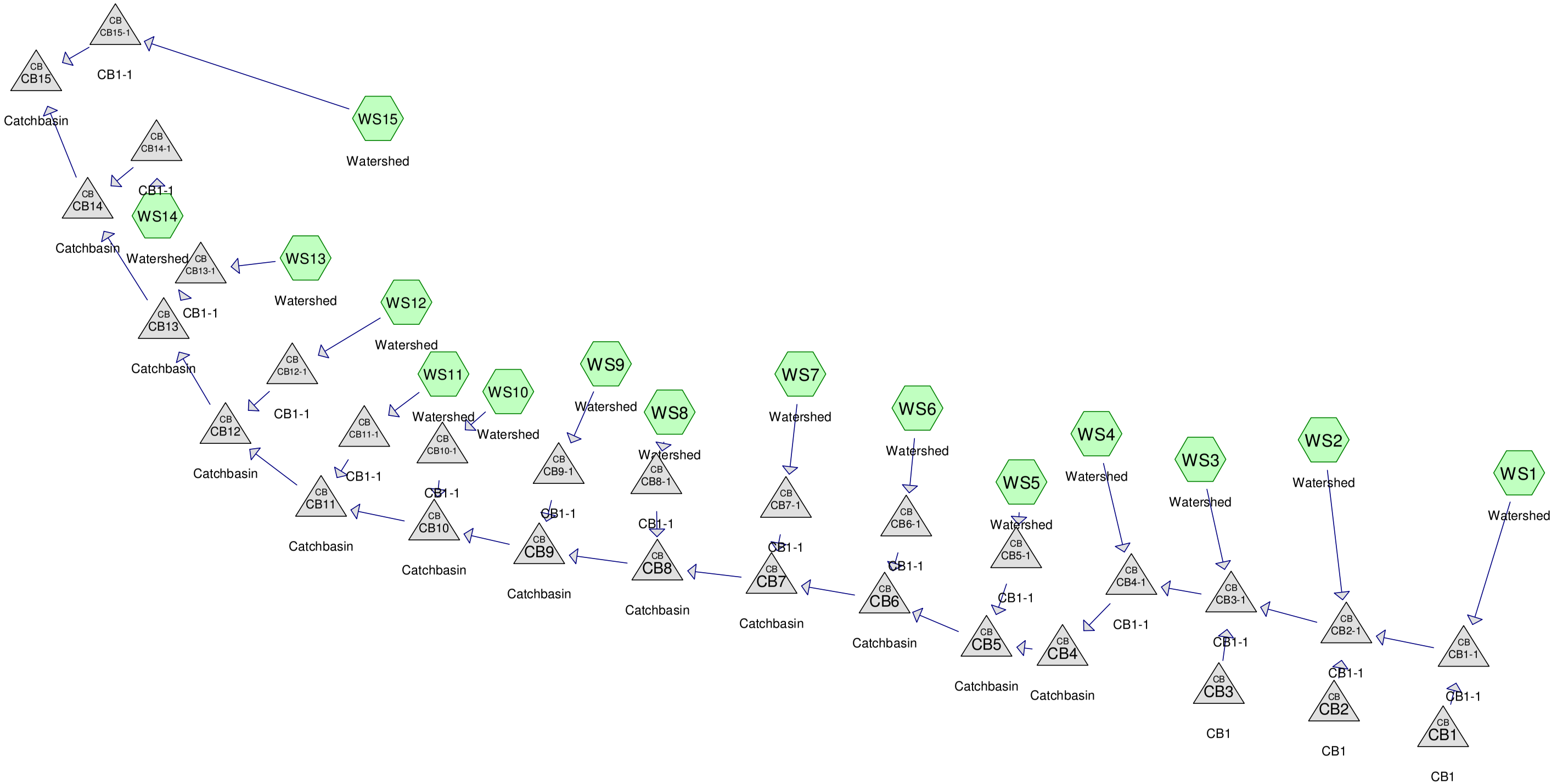

Routing Diagram for Cedar Lane Drainage Study Alternate2

Prepared by Microsoft, Printed 11/23/2011

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
15.320	74	>75% Grass cover, Good, HSG C (WS1, WS10, WS11, WS12, WS13, WS14, WS15, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
5.652	98	Paved parking, HSG C (WS1, WS10, WS11, WS12, WS13, WS14, WS15, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
20.972	**80**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
20.972	HSG C	WS1, WS10, WS11, WS12, WS13, WS14, WS15, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	HSG D	
0.000	Other	
20.972		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	15.320	0.000	0.000	15.320	>75% Grass cover, Good	WS1, WS10, WS11, WS12, WS13, WS14, WS15, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	0.000	5.652	0.000	0.000	5.652	Paved parking	WS1, WS10, WS11, WS12, WS13, WS14, WS15, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	**0.000**	**20.972**	**0.000**	**0.000**	**20.972**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	CB1	345.52	345.42	22.0	0.0045	0.013	15.0	0.0	0.0
2	CB1-1	345.22	343.67	150.0	0.0103	0.013	24.0	0.0	0.0
3	CB10	308.97	299.17	150.0	0.0653	0.013	36.0	0.0	0.0
4	CB10-1	311.92	310.92	22.0	0.0455	0.013	15.0	0.0	0.0
5	CB11	297.50	295.67	150.0	0.0122	0.013	36.0	0.0	0.0
6	CB11-1	302.17	300.92	22.0	0.0568	0.013	15.0	0.0	0.0
7	CB12	296.47	294.17	150.0	0.0153	0.013	36.0	0.0	0.0
8	CB12-1	299.67	298.42	22.0	0.0568	0.013	15.0	0.0	0.0
9	CB13	293.97	288.17	150.0	0.0387	0.013	48.0	0.0	0.0
10	CB13-1	296.42	295.92	22.0	0.0227	0.013	15.0	0.0	0.0
11	CB14	286.90	282.92	150.0	0.0265	0.013	48.0	0.0	0.0
12	CB14-1	290.42	288.17	22.0	0.1023	0.013	15.0	0.0	0.0
13	CB15	282.72	258.00	150.0	0.1648	0.013	48.0	0.0	0.0
14	CB15-1	283.17	282.92	22.0	0.0114	0.013	24.0	0.0	0.0
15	CB2	343.87	343.67	22.0	0.0091	0.013	15.0	0.0	0.0
16	CB2-1	343.47	341.67	150.0	0.0120	0.013	24.0	0.0	0.0
17	CB3	341.87	341.67	22.0	0.0091	0.013	15.0	0.0	0.0
18	CB3-1	341.47	336.17	150.0	0.0353	0.013	24.0	0.0	0.0
19	CB4	331.67	330.67	150.0	0.0067	0.013	36.0	0.0	0.0
20	CB4-1	335.00	331.87	22.0	0.1423	0.013	24.0	0.0	0.0
21	CB5	330.47	329.27	150.0	0.0080	0.013	36.0	0.0	0.0
22	CB5-1	333.92	330.67	22.0	0.1477	0.013	18.0	0.0	0.0
23	CB6	329.07	327.87	150.0	0.0080	0.013	36.0	0.0	0.0
24	CB6-1	335.92	334.42	22.0	0.0682	0.013	15.0	0.0	0.0
25	CB7	327.67	326.47	150.0	0.0080	0.013	36.0	0.0	0.0
26	CB7-1	334.42	333.17	22.0	0.0568	0.013	15.0	0.0	0.0
27	CB8	326.27	319.17	150.0	0.0473	0.013	36.0	0.0	0.0
28	CB8-1	330.17	329.67	22.0	0.0227	0.013	15.0	0.0	0.0
29	CB9	318.97	309.17	150.0	0.0653	0.013	36.0	0.0	0.0
30	CB9-1	321.92	320.92	22.0	0.0455	0.013	15.0	0.0	0.0

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=345.79' Inflow=1.90 cfs 0.225 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=1.90 cfs 0.225 af

Pond CB10: Catchbasin Peak Elev=310.19' Inflow=10.13 cfs 1.183 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=10.13 cfs 1.183 af

Pond CB10-1: CB1-1 Peak Elev=312.41' Inflow=1.06 cfs 0.064 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.06 cfs 0.064 af

Pond CB11: Catchbasin Peak Elev=298.91' Inflow=10.82 cfs 1.242 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=10.82 cfs 1.242 af

Pond CB11-1: CB1-1 Peak Elev=302.57' Inflow=0.72 cfs 0.059 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=0.72 cfs 0.059 af

Pond CB12: Catchbasin Peak Elev=297.81' Inflow=12.08 cfs 1.354 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=12.08 cfs 1.354 af

Pond CB12-1: CB1-1 Peak Elev=300.24' Inflow=1.42 cfs 0.112 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.42 cfs 0.112 af

Pond CB13: Catchbasin Peak Elev=295.23' Inflow=12.96 cfs 1.431 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=12.96 cfs 1.431 af

Pond CB13-1: CB1-1 Peak Elev=296.86' Inflow=0.88 cfs 0.076 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=0.88 cfs 0.076 af

Pond CB14: Catchbasin Peak Elev=288.17' Inflow=13.14 cfs 1.454 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=13.14 cfs 1.454 af

Pond CB14-1: CB1-1 Peak Elev=290.70' Inflow=0.37 cfs 0.023 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=0.37 cfs 0.023 af

Pond CB15: Catchbasin Peak Elev=284.18' Inflow=17.03 cfs 1.972 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=17.03 cfs 1.972 af

Pond CB15-1: CB1-1 Peak Elev=284.45' Inflow=4.78 cfs 0.518 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=4.78 cfs 0.518 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.31' Inflow=3.89 cfs 0.445 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=3.89 cfs 0.445 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.42' Inflow=4.84 cfs 0.548 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=4.84 cfs 0.548 af

Pond CB4: Catchbasin Peak Elev=332.68' Inflow=6.38 cfs 0.739 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=6.38 cfs 0.739 af

Pond CB4-1: CB1-1 Peak Elev=336.11' Inflow=6.38 cfs 0.739 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=6.38 cfs 0.739 af

Pond CB5: Catchbasin Peak Elev=331.47' Inflow=6.54 cfs 0.765 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=6.54 cfs 0.765 af

Pond CB5-1: CB1-1 Peak Elev=334.21' Inflow=0.43 cfs 0.027 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.43 cfs 0.027 af

Pond CB6: Catchbasin Peak Elev=330.16' Inflow=7.72 cfs 0.884 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=7.72 cfs 0.884 af

Pond CB6-1: CB1-1 Peak Elev=336.46' Inflow=1.28 cfs 0.119 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.28 cfs 0.119 af

Pond CB7: Catchbasin Peak Elev=328.82' Inflow=8.73 cfs 0.993 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=8.73 cfs 0.993 af

Pond CB7-1: CB1-1 Peak Elev=334.98' Inflow=1.37 cfs 0.109 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.37 cfs 0.109 af

Pond CB8: Catchbasin Peak Elev=327.42' Inflow=9.06 cfs 1.044 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=9.06 cfs 1.044 af

Pond CB8-1: CB1-1 Peak Elev=330.60' Inflow=0.83 cfs 0.051 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=0.83 cfs 0.051 af

Pond CB9: Catchbasin Peak Elev=320.16' Inflow=9.69 cfs 1.119 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=9.69 cfs 1.119 af

Pond CB9-1: CB1-1 Peak Elev=322.40' Inflow=1.04 cfs 0.075 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.04 cfs 0.075 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

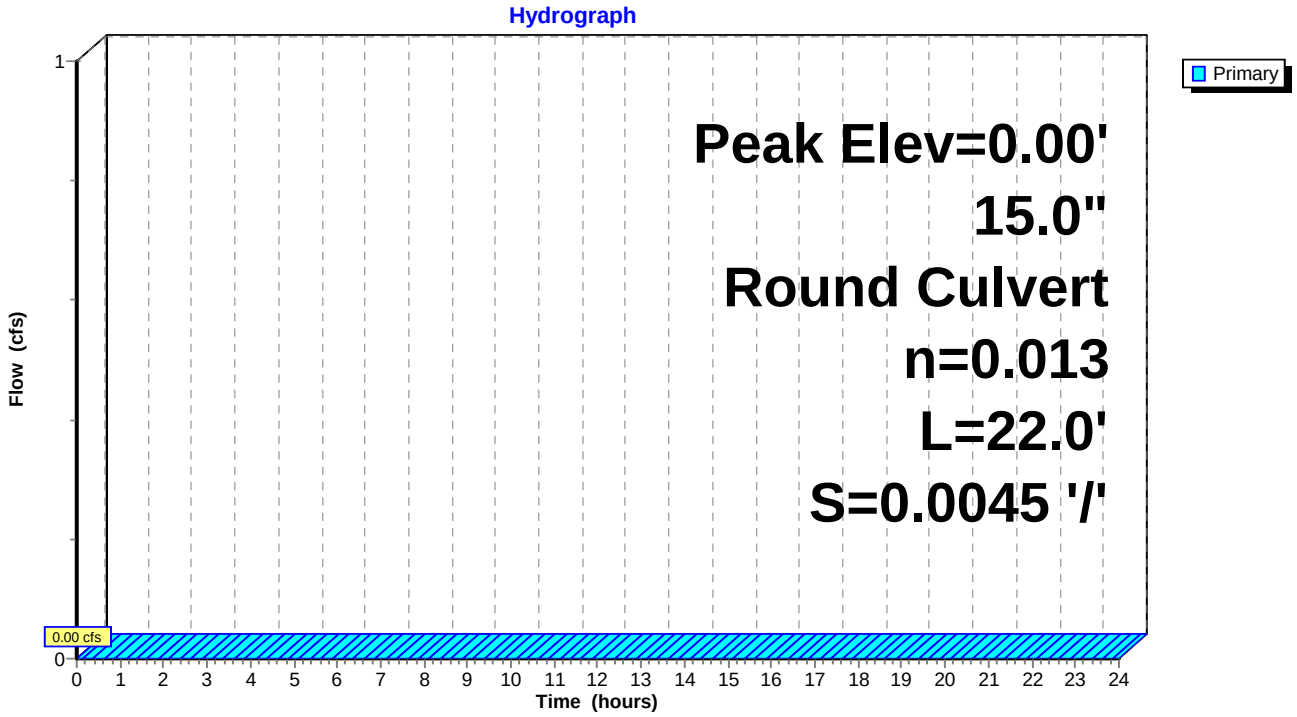
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

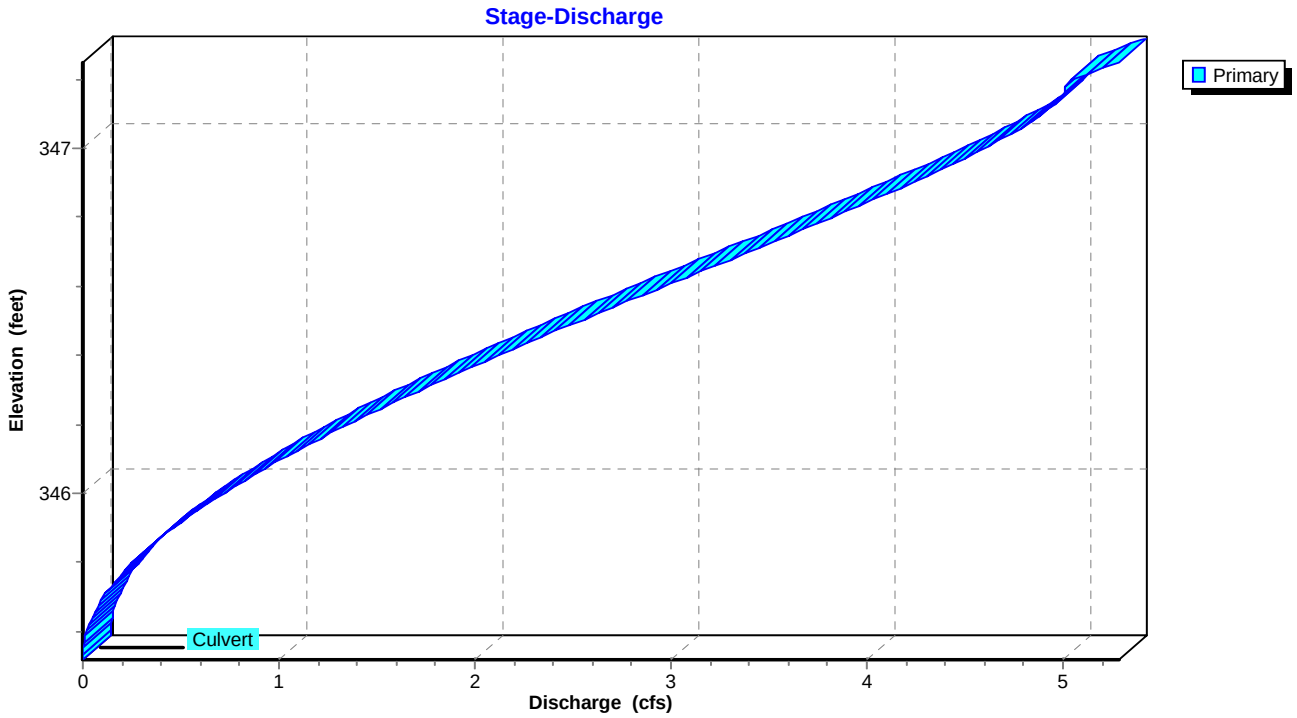
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

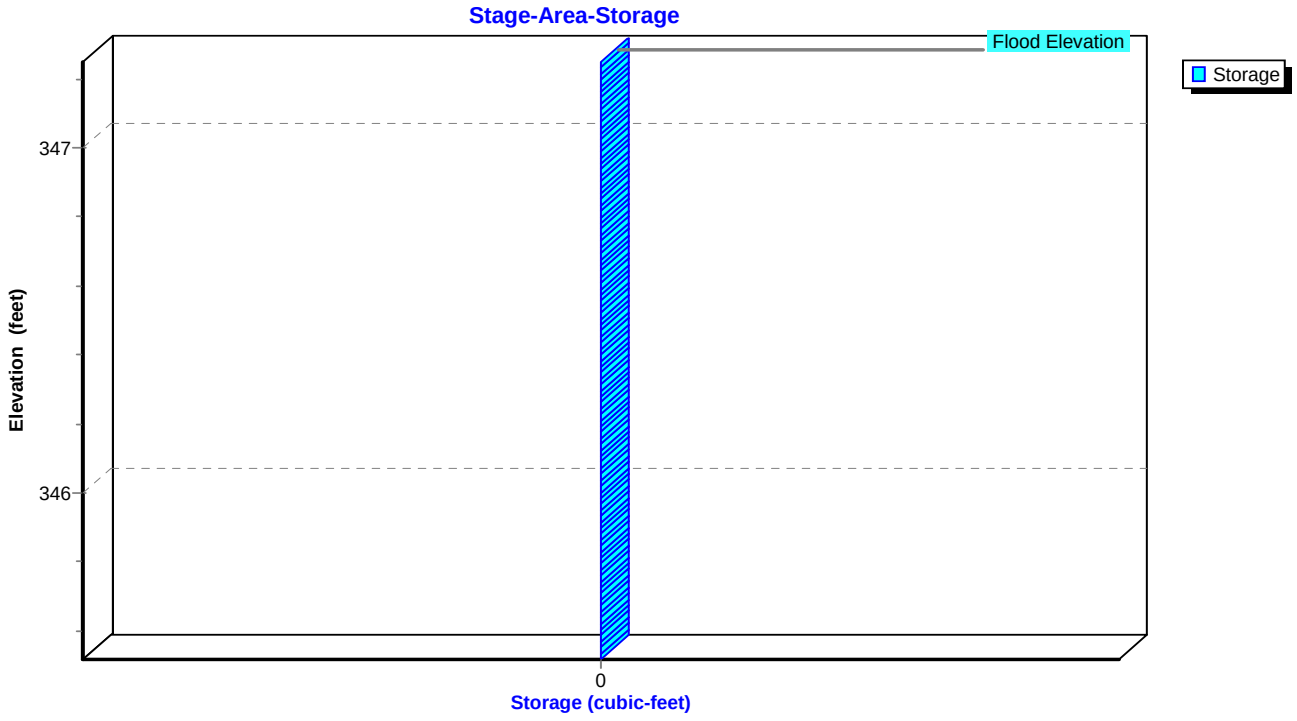
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

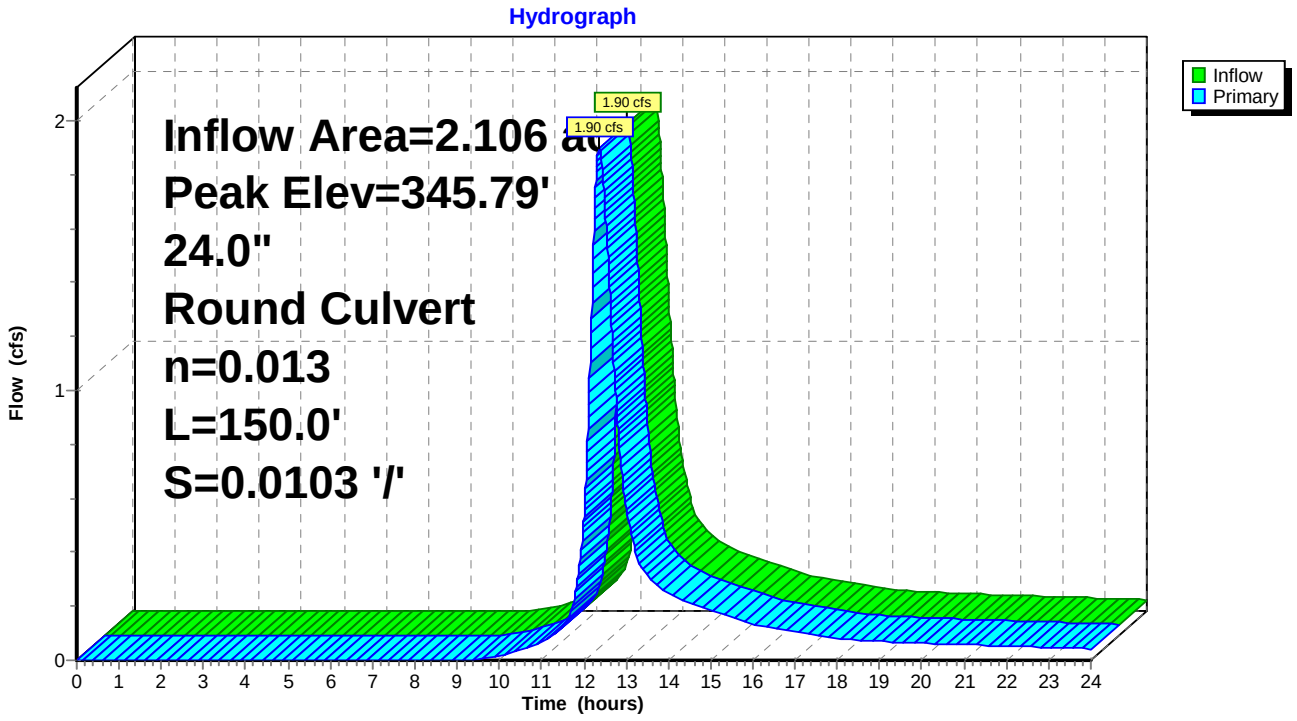
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.28" for 1-Year event
Inflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af
Outflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af, Atten= 0%, Lag= 0.0 min
Primary = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.79' @ 12.37 hrs
Flood Elev= 348.80'

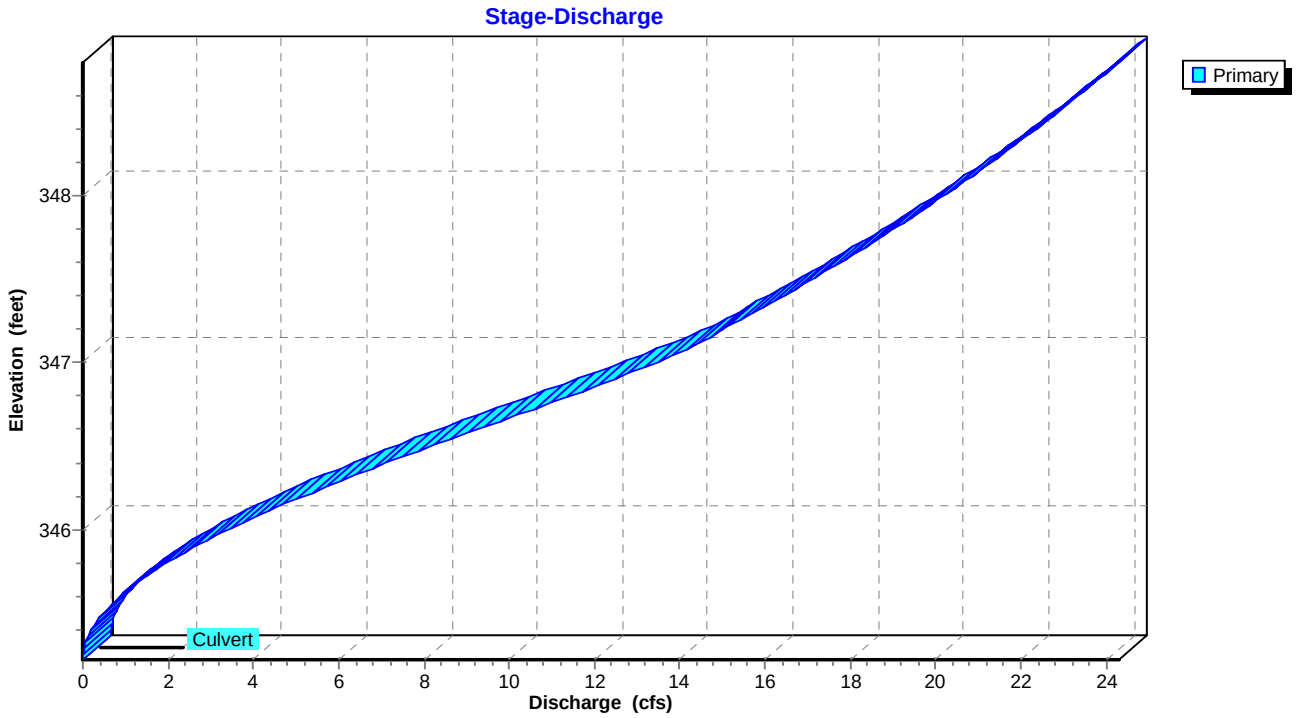
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=1.90 cfs @ 12.37 hrs HW=345.79' TW=344.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.90 cfs @ 2.57 fps)

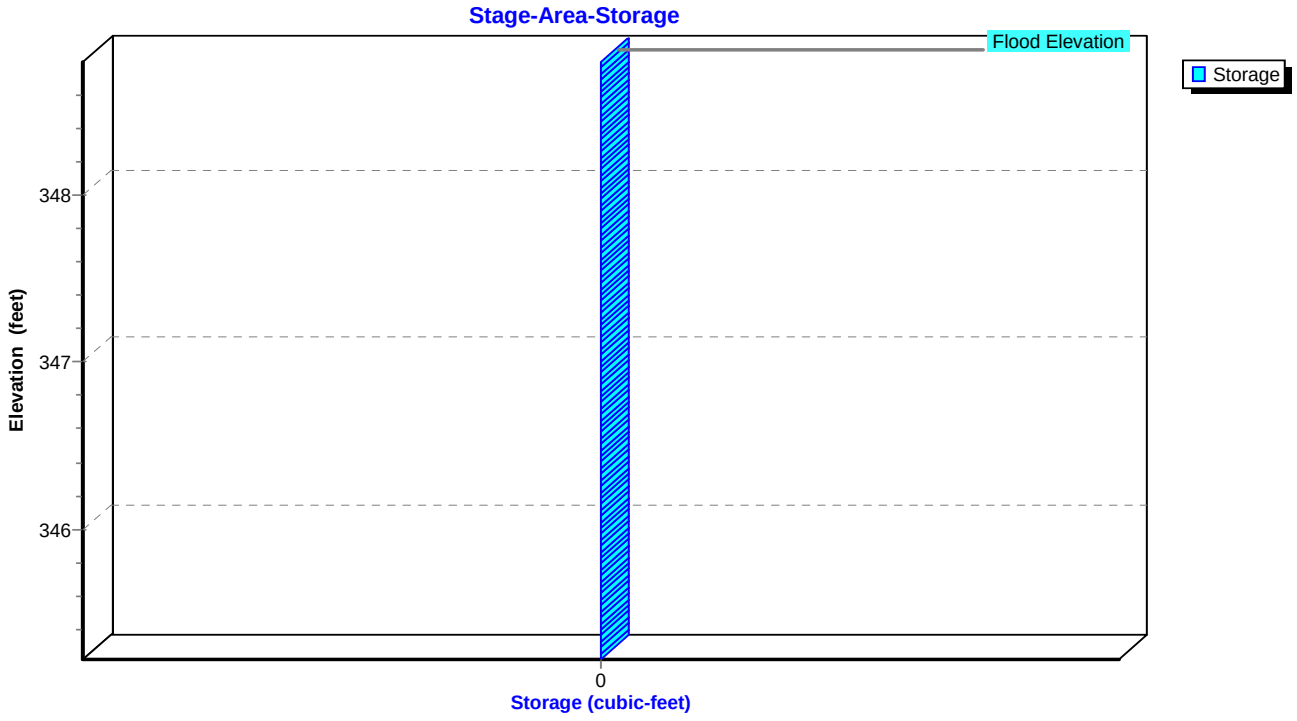
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.22	0.00
8.00	0.00	345.22	0.00
8.50	0.00	345.22	0.00
9.00	0.00	345.22	0.00
9.50	0.00	345.25	0.00
10.00	0.02	345.28	0.02
10.50	0.04	345.30	0.04
11.00	0.07	345.33	0.07
11.50	0.13	345.36	0.13
12.00	**0.53**	**345.52**	**0.53**
12.50	**1.69**	**345.76**	**1.69**
13.00	0.57	345.52	0.57
13.50	0.31	345.44	0.31
14.00	0.25	345.42	0.25
14.50	0.21	345.40	0.21
15.00	0.18	345.39	0.18
15.50	0.16	345.38	0.16
16.00	0.14	345.37	0.14
16.50	0.12	345.36	0.12
17.00	0.10	345.35	0.10
17.50	0.09	345.34	0.09
18.00	0.08	345.34	0.08
18.50	0.07	345.33	0.07
19.00	0.07	345.33	0.07
19.50	0.07	345.33	0.07
20.00	0.06	345.32	0.06
20.50	0.06	345.32	0.06
21.00	0.06	345.32	0.06
21.50	0.05	345.32	0.05
22.00	0.05	345.31	0.05
22.50	0.05	345.31	0.05
23.00	0.05	345.31	0.05
23.50	0.04	345.31	0.04
24.00	0.04	345.31	0.04

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

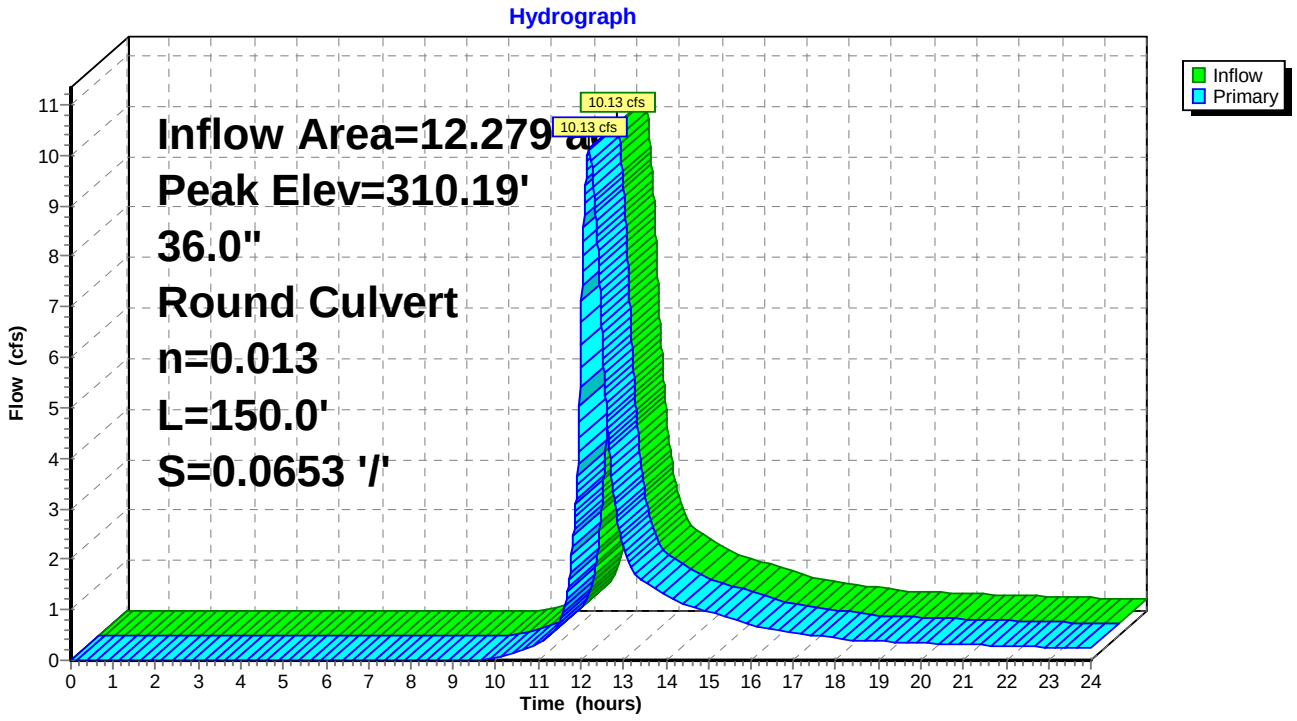
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af
Outflow = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af, Atten= 0%, Lag= 0.0 min
Primary = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.19' @ 12.18 hrs
Flood Elev= 313.50'

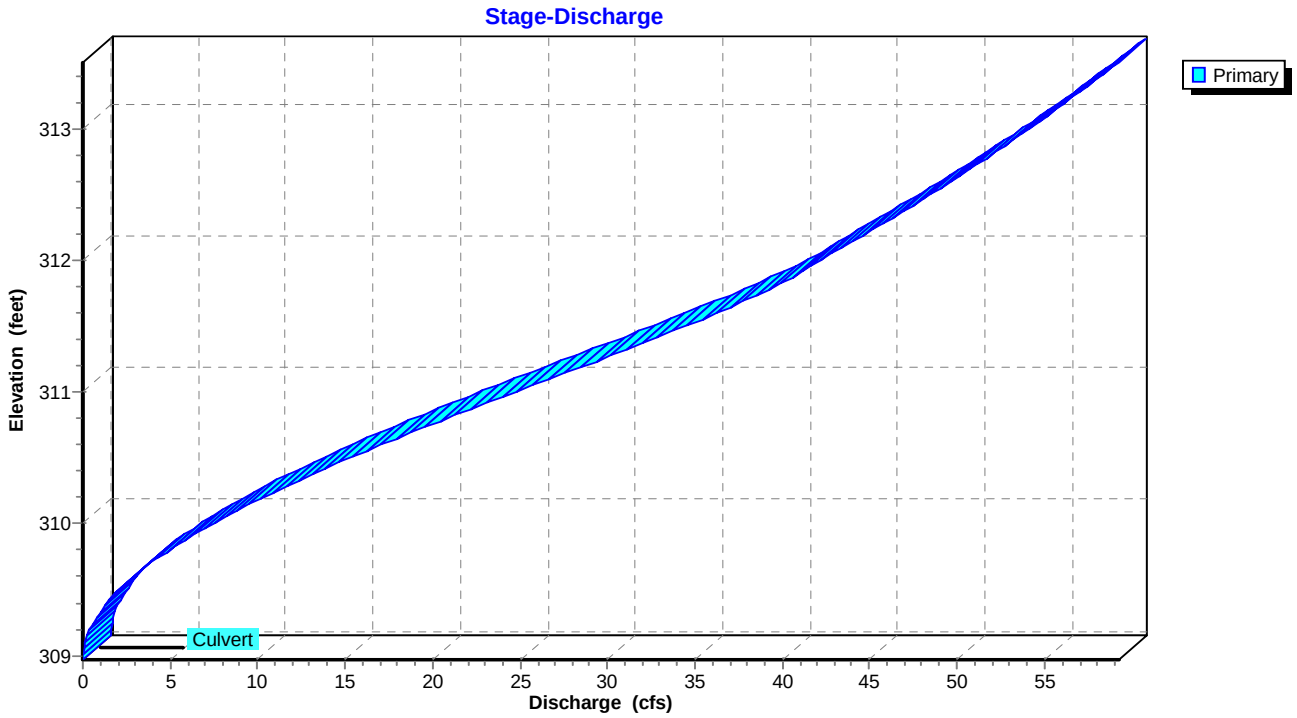
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.13 cfs @ 12.18 hrs HW=310.19' TW=298.91' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 10.13 cfs @ 3.76 fps)

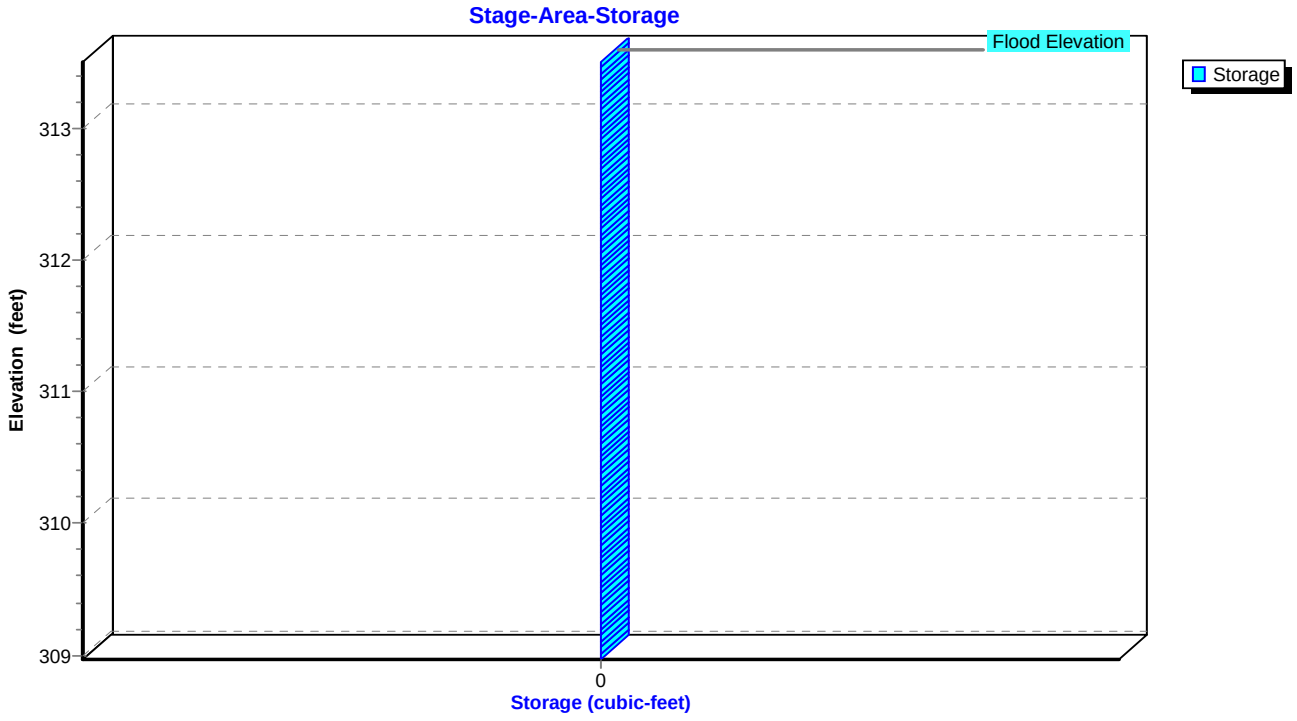
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.97	0.00
7.50	0.00	308.97	0.00
8.00	0.00	308.97	0.00
8.50	0.00	308.97	0.00
9.00	0.00	308.98	0.00
9.50	0.01	309.00	0.01
10.00	0.05	309.05	0.05
10.50	0.16	309.11	0.16
11.00	0.34	309.18	0.34
11.50	0.74	309.28	0.74
12.00	**6.25**	**309.91**	**6.25**
12.50	**6.47**	**309.93**	**6.47**
13.00	2.26	309.52	2.26
13.50	1.54	309.42	1.54
14.00	1.27	309.38	1.27
14.50	1.09	309.35	1.09
15.00	0.96	309.33	0.96
15.50	0.83	309.30	0.83
16.00	0.70	309.27	0.70
16.50	0.61	309.25	0.61
17.00	0.55	309.24	0.55
17.50	0.49	309.22	0.49
18.00	0.43	309.21	0.43
18.50	0.39	309.20	0.39
19.00	0.37	309.19	0.37
19.50	0.36	309.19	0.36
20.00	0.34	309.18	0.34
20.50	0.32	309.17	0.32
21.00	0.31	309.17	0.31
21.50	0.30	309.17	0.30
22.00	0.28	309.16	0.28
22.50	0.27	309.16	0.27
23.00	0.25	309.15	0.25
23.50	0.24	309.15	0.24
24.00	0.23	309.14	0.23

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

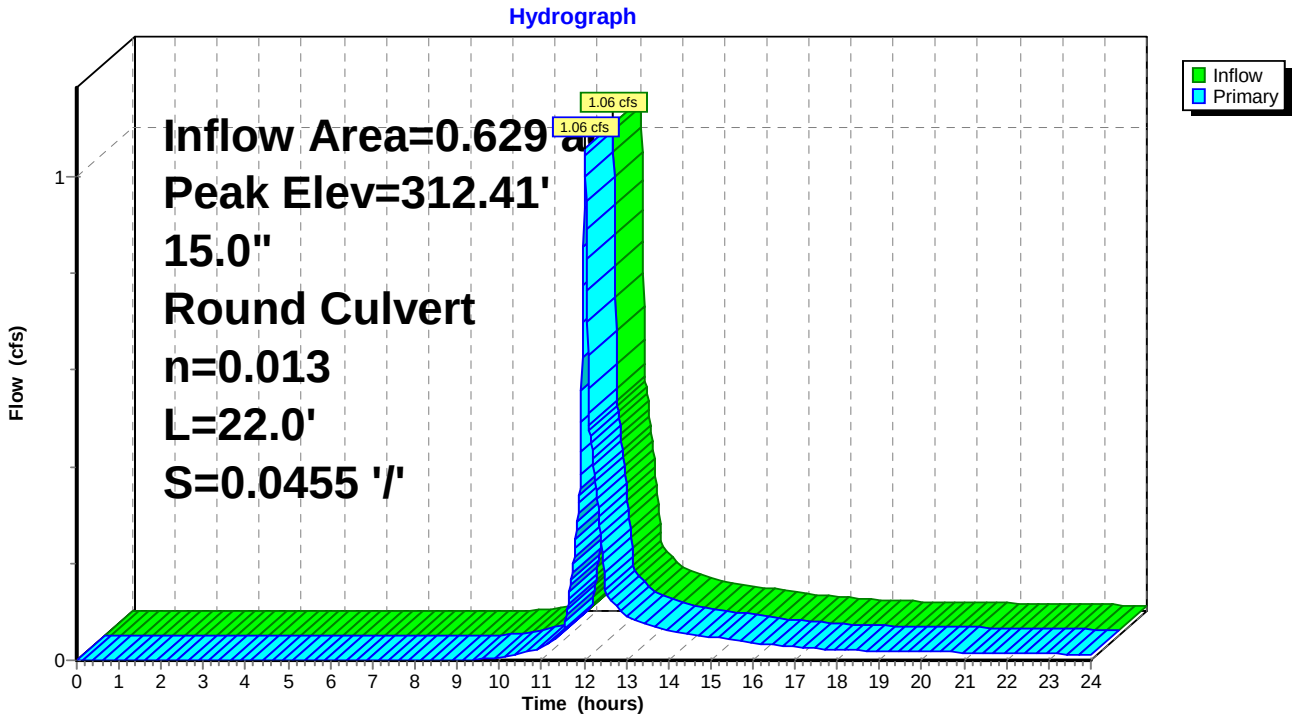
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af
Outflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.41' @ 12.02 hrs
Flood Elev= 314.50'

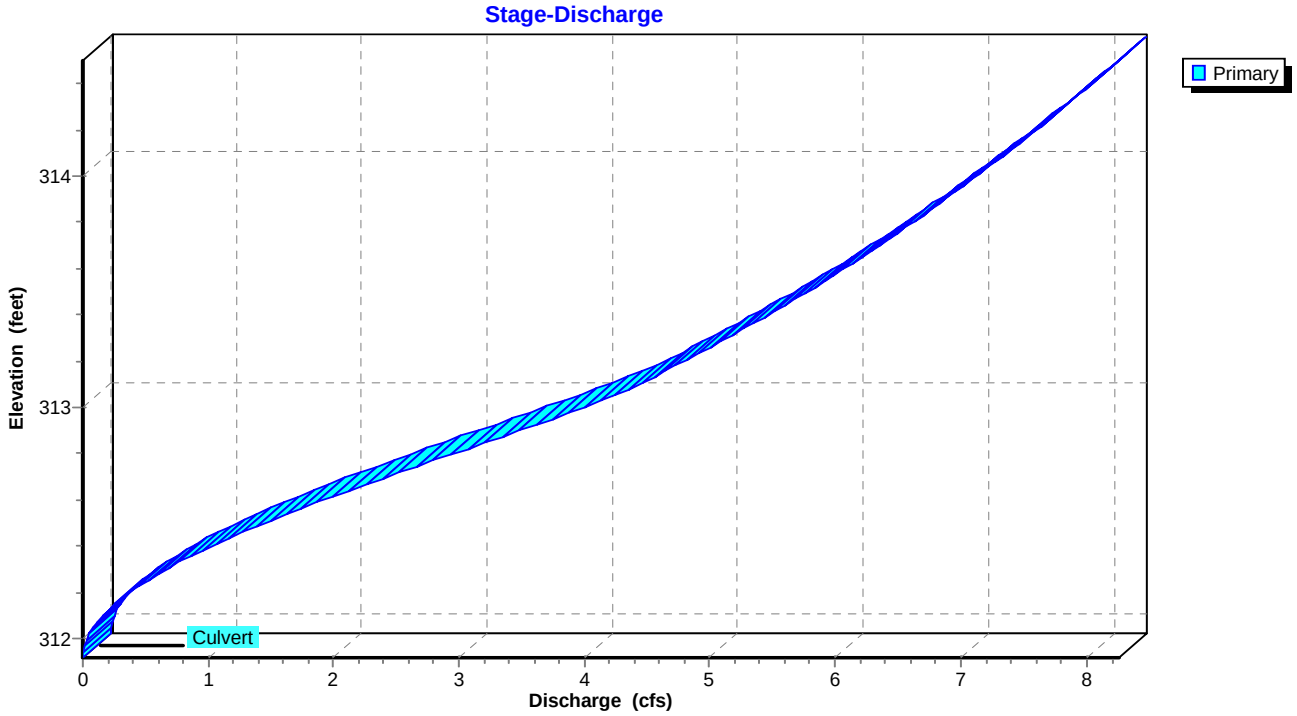
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.05 cfs @ 12.02 hrs HW=312.41' TW=309.98' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.05 cfs @ 2.38 fps)

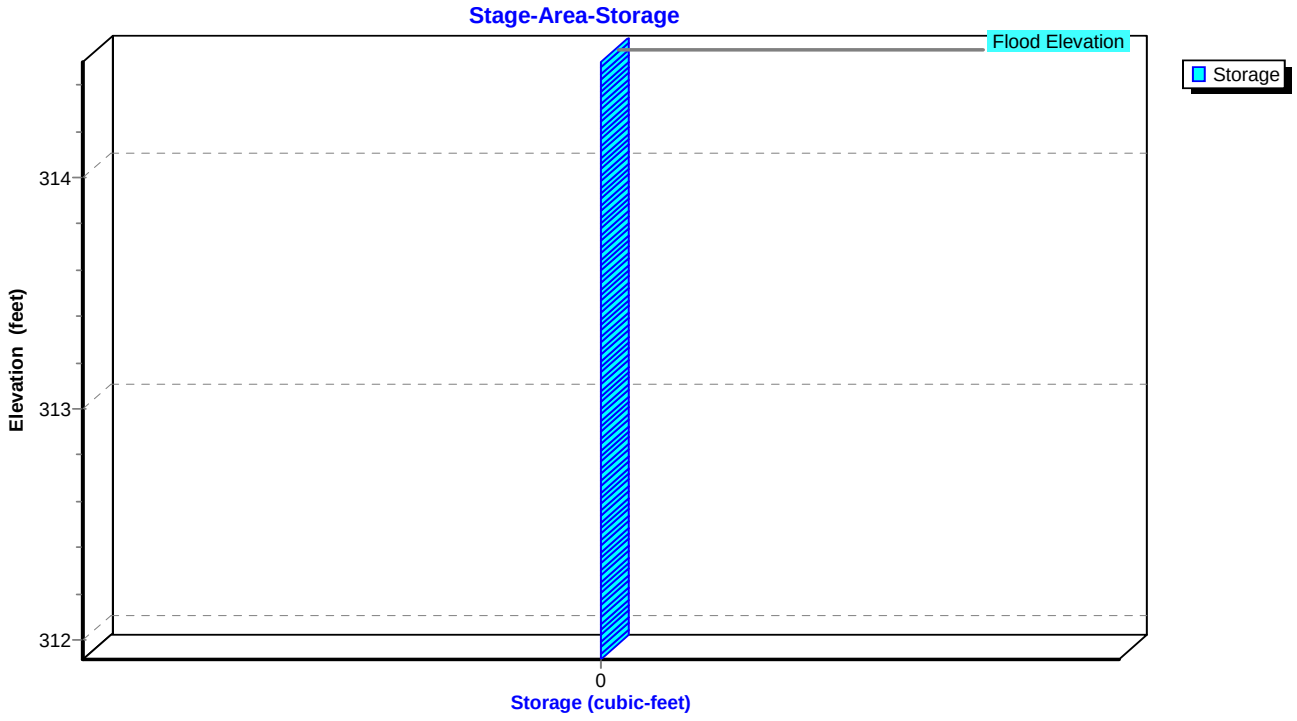
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.92	0.00
9.00	0.00	311.92	0.00
9.50	0.00	311.94	0.00
10.00	0.01	311.96	0.01
10.50	0.01	311.97	0.01
11.00	0.03	311.99	0.03
11.50	0.06	312.03	0.06
12.00	**0.94**	**312.38**	**0.94**
12.50	**0.16**	**312.10**	**0.16**
13.00	0.09	312.06	0.09
13.50	0.08	312.04	0.08
14.00	0.06	312.03	0.06
14.50	0.05	312.03	0.05
15.00	0.05	312.02	0.05
15.50	0.04	312.01	0.04
16.00	0.03	312.00	0.03
16.50	0.03	312.00	0.03
17.00	0.03	311.99	0.03
17.50	0.02	311.99	0.02
18.00	0.02	311.99	0.02
18.50	0.02	311.98	0.02
19.00	0.02	311.98	0.02
19.50	0.02	311.98	0.02
20.00	0.02	311.98	0.02
20.50	0.02	311.98	0.02
21.00	0.02	311.98	0.02
21.50	0.02	311.98	0.02
22.00	0.01	311.97	0.01
22.50	0.01	311.97	0.01
23.00	0.01	311.97	0.01
23.50	0.01	311.97	0.01
24.00	0.01	311.97	0.01

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

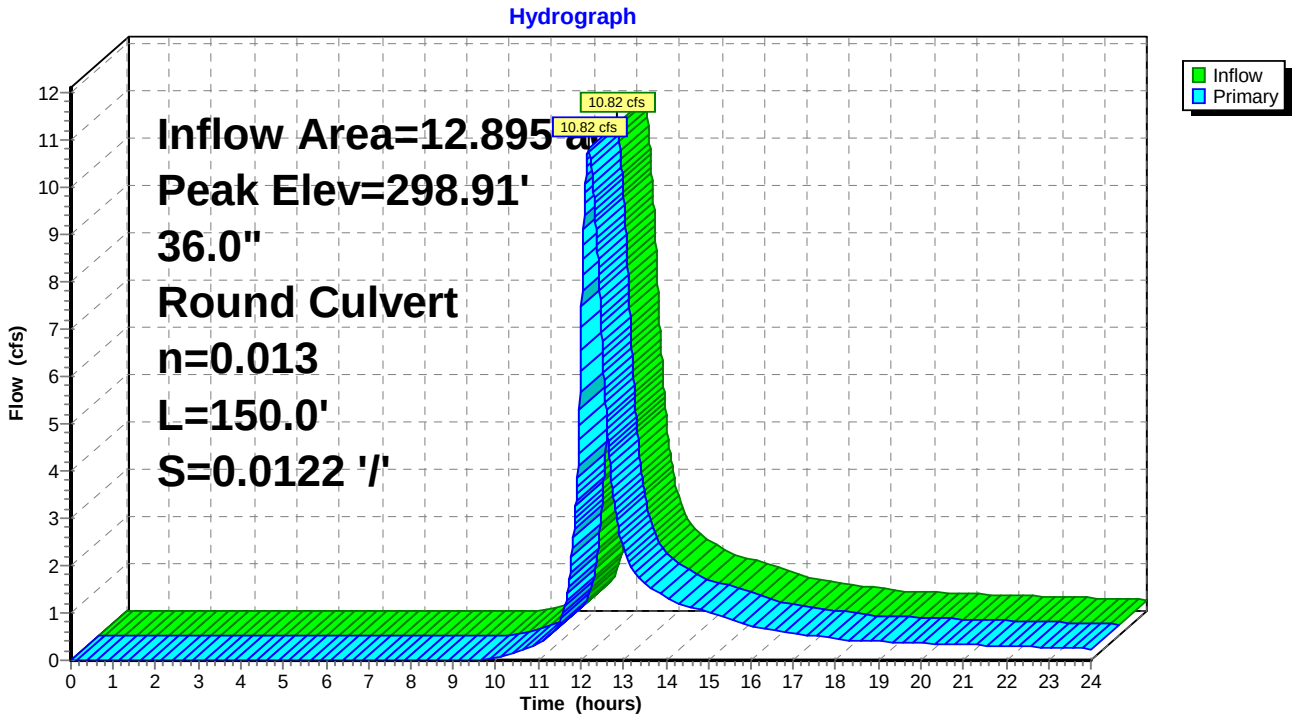
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af
Outflow = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af, Atten= 0%, Lag= 0.0 min
Primary = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.91' @ 12.18 hrs
Flood Elev= 303.50'

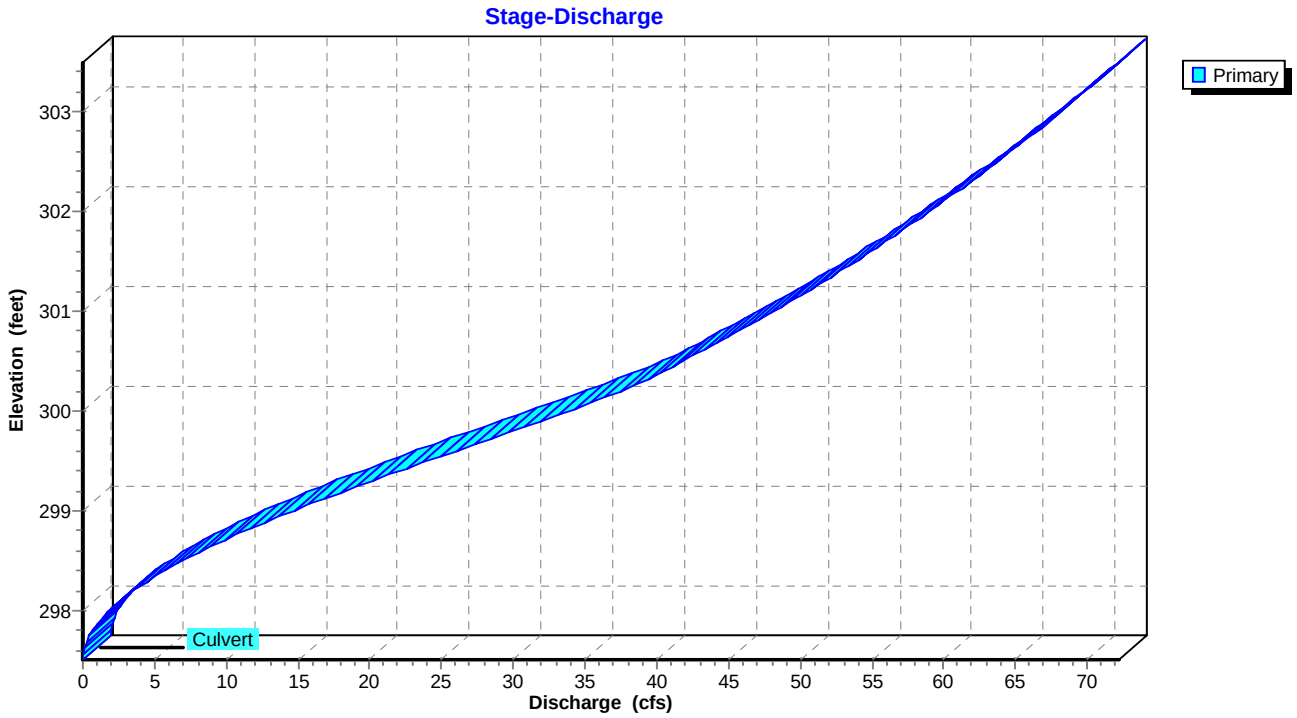
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.82 cfs @ 12.18 hrs HW=298.91' TW=297.81' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 10.82 cfs @ 4.85 fps)

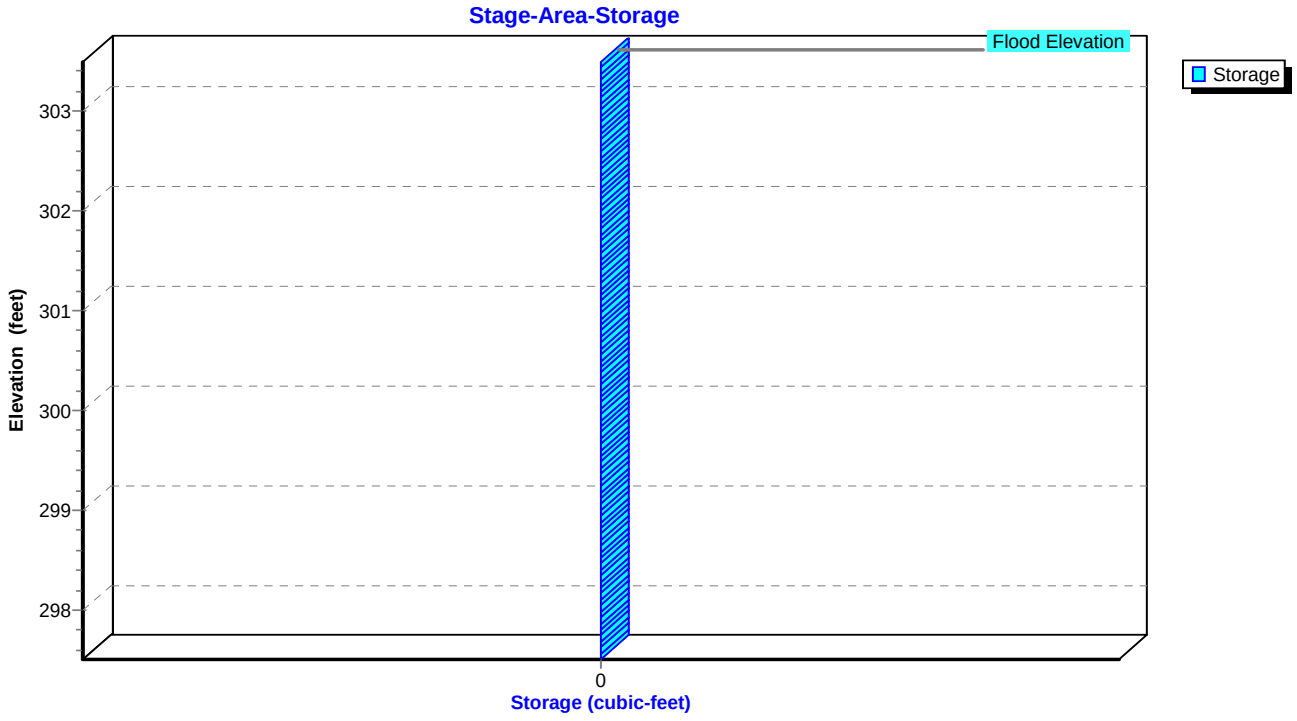
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.50	0.00
7.00	0.00	297.50	0.00
7.50	0.00	297.50	0.00
8.00	0.00	297.50	0.00
8.50	0.00	297.50	0.00
9.00	0.00	297.51	0.00
9.50	0.01	297.54	0.01
10.00	0.06	297.60	0.06
10.50	0.17	297.66	0.17
11.00	0.35	297.73	0.35
11.50	0.78	297.84	0.78
12.00	**6.56**	**298.55**	**6.56**
12.50	**6.75**	**298.57**	**6.75**
13.00	2.36	298.11	2.36
13.50	1.61	298.00	1.61
14.00	1.33	297.95	1.33
14.50	1.14	297.92	1.14
15.00	1.01	297.89	1.01
15.50	0.87	297.87	0.87
16.00	0.73	297.83	0.73
16.50	0.64	297.81	0.64
17.00	0.58	297.80	0.58
17.50	0.51	297.78	0.51
18.00	0.45	297.76	0.45
18.50	0.41	297.75	0.41
19.00	0.39	297.75	0.39
19.50	0.37	297.74	0.37
20.00	0.36	297.73	0.36
20.50	0.34	297.73	0.34
21.00	0.33	297.72	0.33
21.50	0.31	297.72	0.31
22.00	0.30	297.72	0.30
22.50	0.28	297.71	0.28
23.00	0.27	297.70	0.27
23.50	0.25	297.70	0.25
24.00	0.24	297.69	0.24

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

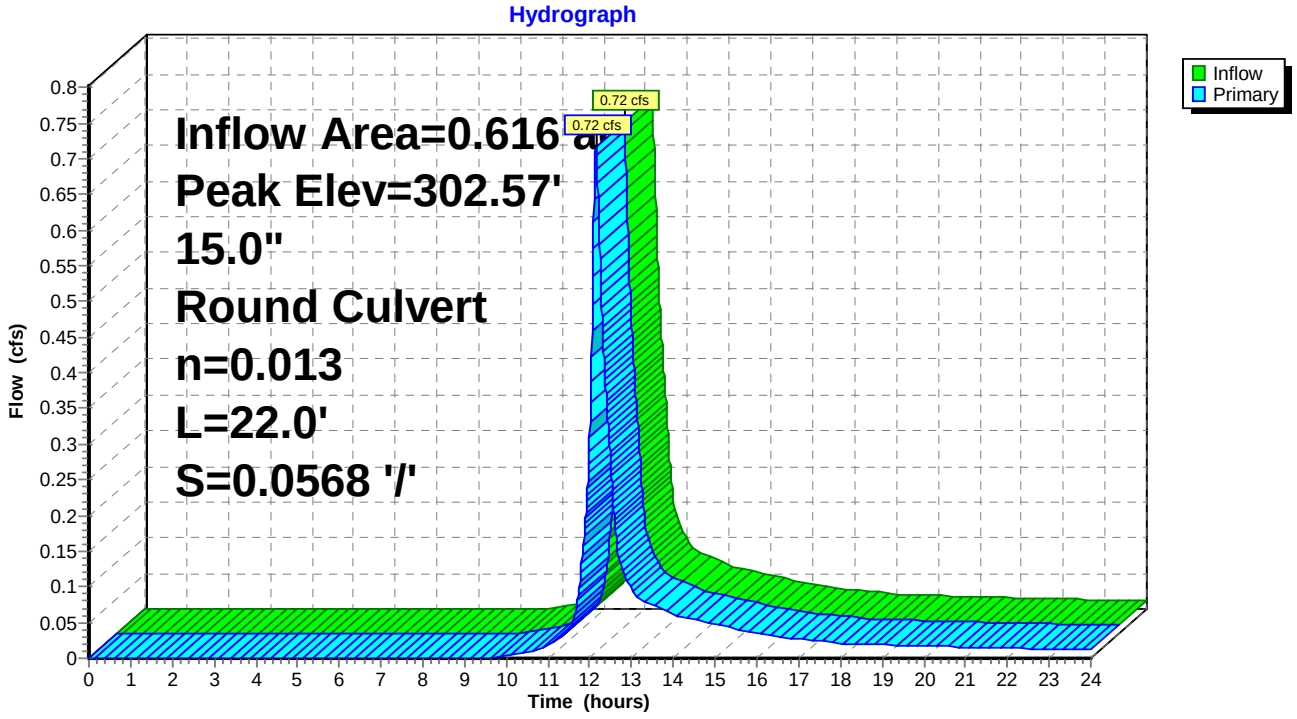
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af
Outflow = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.57' @ 12.15 hrs
Flood Elev= 304.80'

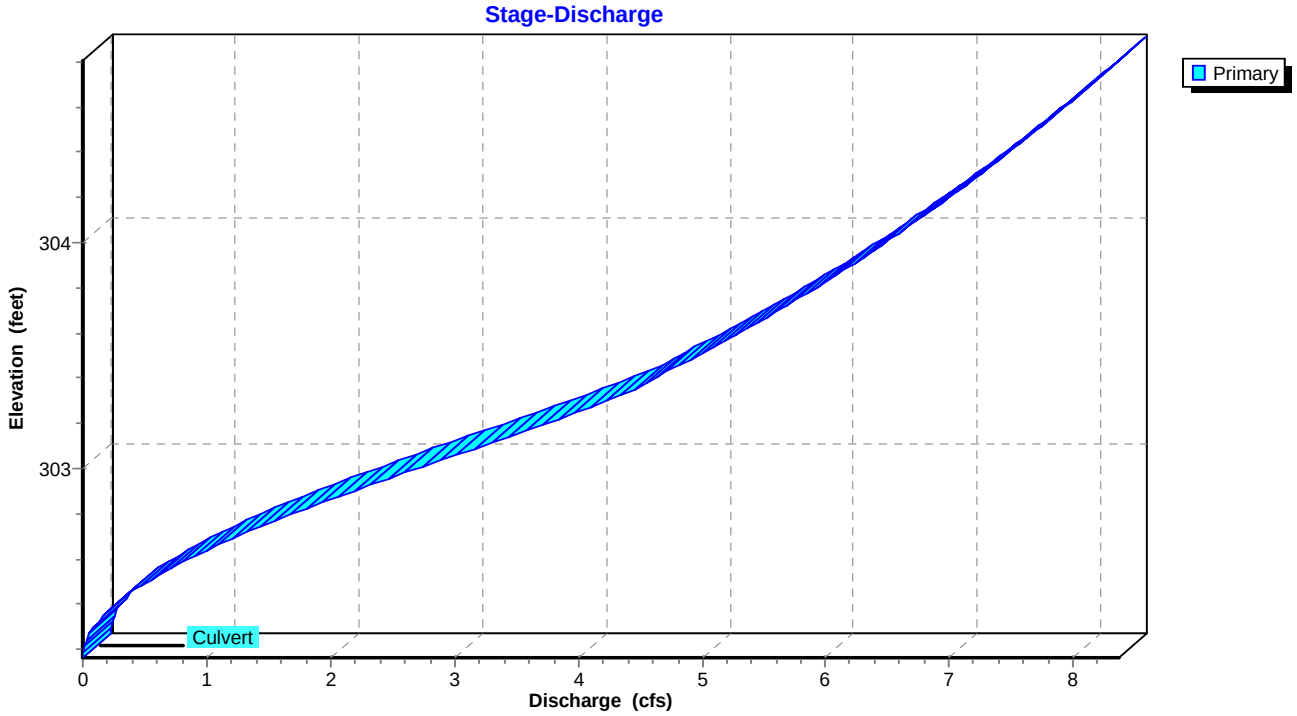
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.72 cfs @ 12.15 hrs HW=302.57' TW=298.90' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.72 cfs @ 2.14 fps)

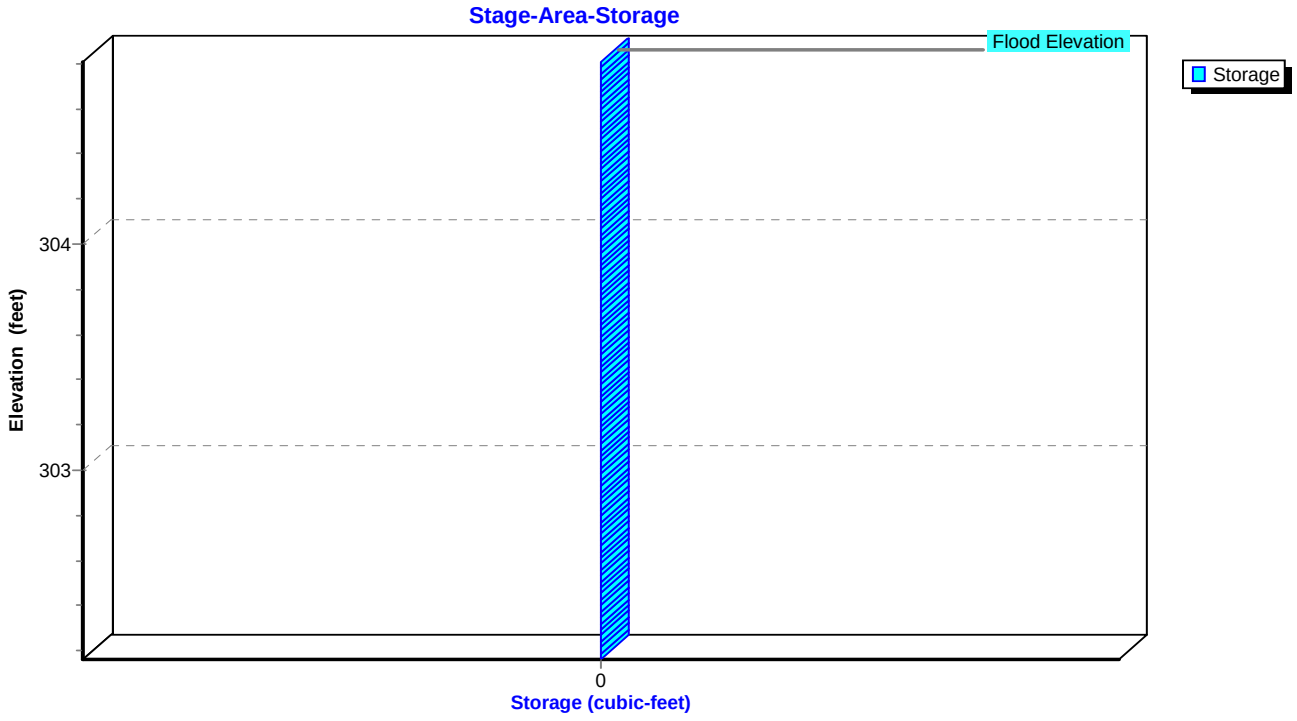
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.17	0.00
8.50	0.00	302.17	0.00
9.00	0.00	302.17	0.00
9.50	0.00	302.17	0.00
10.00	0.00	302.19	0.00
10.50	0.01	302.21	0.01
11.00	0.02	302.23	0.02
11.50	0.04	302.26	0.04
12.00	**0.31**	**302.43**	**0.31**
12.50	**0.27**	**302.41**	**0.27**
13.00	0.10	302.31	0.10
13.50	0.07	302.29	0.07
14.00	0.06	302.28	0.06
14.50	0.05	302.27	0.05
15.00	0.05	302.27	0.05
15.50	0.04	302.26	0.04
16.00	0.03	302.25	0.03
16.50	0.03	302.25	0.03
17.00	0.03	302.24	0.03
17.50	0.02	302.24	0.02
18.00	0.02	302.24	0.02
18.50	0.02	302.23	0.02
19.00	0.02	302.23	0.02
19.50	0.02	302.23	0.02
20.00	0.02	302.23	0.02
20.50	0.02	302.23	0.02
21.00	0.02	302.23	0.02
21.50	0.01	302.22	0.01
22.00	0.01	302.22	0.01
22.50	0.01	302.22	0.01
23.00	0.01	302.22	0.01
23.50	0.01	302.22	0.01
24.00	0.01	302.22	0.01

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

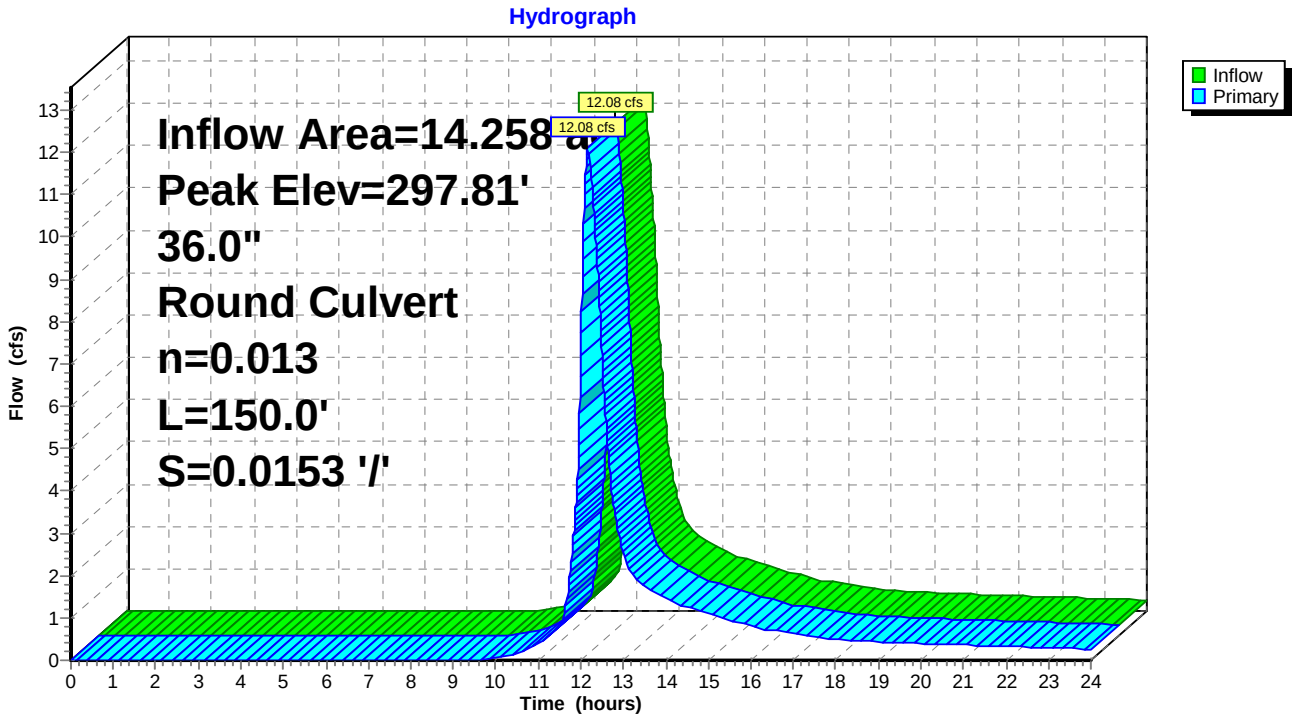
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 1.14" for 1-Year event
Inflow = 12.08 cfs @ 12.16 hrs, Volume= 1.354 af
Outflow = 12.08 cfs @ 12.16 hrs, Volume= 1.354 af, Atten= 0%, Lag= 0.0 min
Primary = 12.08 cfs @ 12.16 hrs, Volume= 1.354 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.81' @ 12.16 hrs
Flood Elev= 301.00'

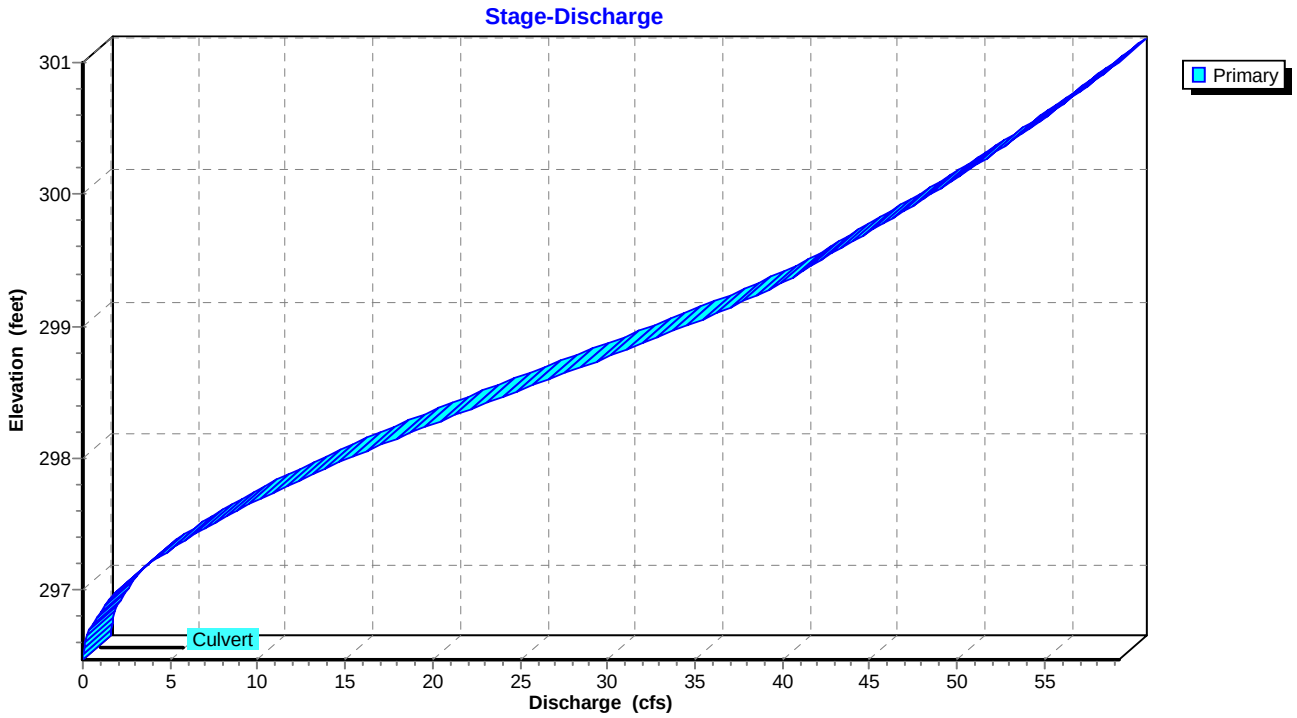
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=12.08 cfs @ 12.16 hrs HW=297.81' TW=295.23' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.08 cfs @ 3.94 fps)

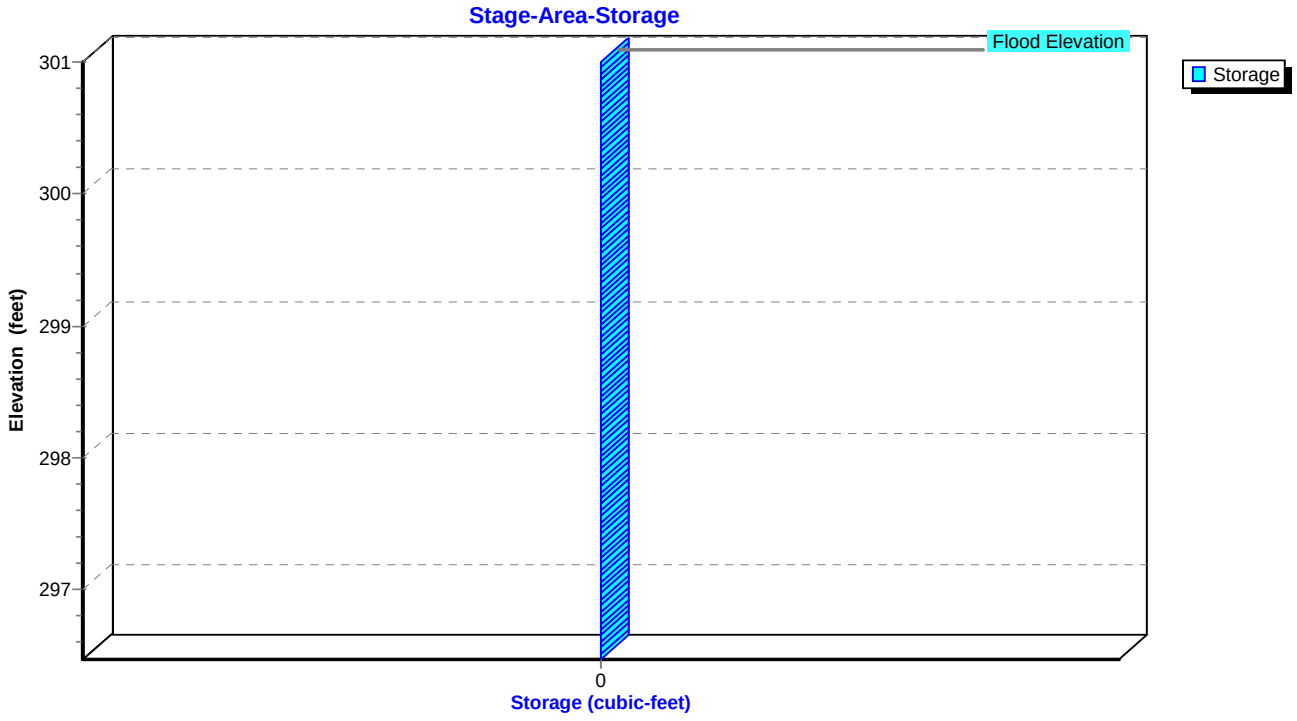
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.47	0.00
7.00	0.00	296.47	0.00
7.50	0.00	296.47	0.00
8.00	0.00	296.47	0.00
8.50	0.00	296.47	0.00
9.00	0.00	296.48	0.00
9.50	0.01	296.51	0.01
10.00	0.06	296.55	0.06
10.50	0.17	296.62	0.17
11.00	0.37	296.69	0.37
11.50	0.84	296.80	0.84
12.00	**7.20**	**297.48**	**7.20**
12.50	**7.22**	**297.48**	**7.22**
13.00	2.54	297.06	2.54
13.50	1.76	296.96	1.76
14.00	1.45	296.91	1.45
14.50	1.25	296.88	1.25
15.00	1.10	296.85	1.10
15.50	0.96	296.83	0.96
16.00	0.80	296.79	0.80
16.50	0.70	296.77	0.70
17.00	0.63	296.76	0.63
17.50	0.56	296.74	0.56
18.00	0.49	296.72	0.49
18.50	0.45	296.71	0.45
19.00	0.43	296.71	0.43
19.50	0.41	296.70	0.41
20.00	0.39	296.70	0.39
20.50	0.37	296.69	0.37
21.00	0.36	296.69	0.36
21.50	0.34	296.68	0.34
22.00	0.32	296.68	0.32
22.50	0.31	296.67	0.31
23.00	0.29	296.66	0.29
23.50	0.28	296.66	0.28
24.00	0.26	296.65	0.26

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

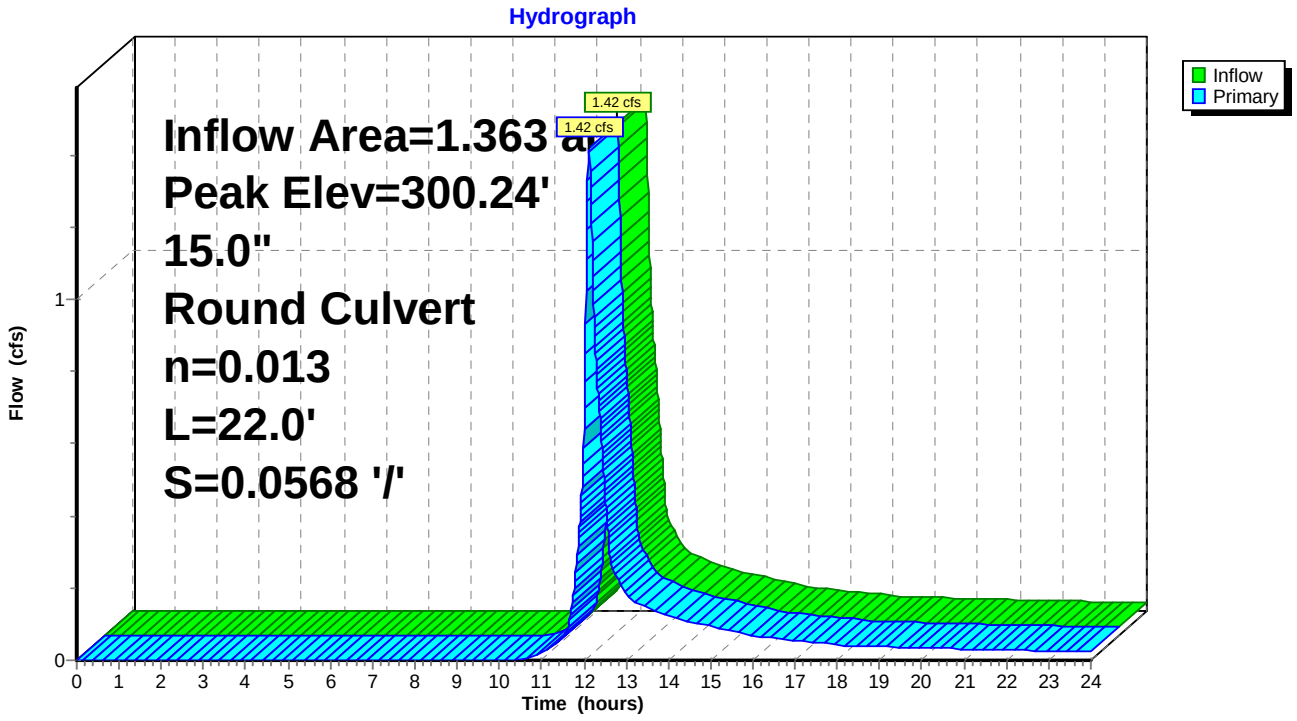
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 0.99" for 1-Year event
Inflow = 1.42 cfs @ 12.12 hrs, Volume= 0.112 af
Outflow = 1.42 cfs @ 12.12 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.42 cfs @ 12.12 hrs, Volume= 0.112 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.24' @ 12.12 hrs
Flood Elev= 302.30'

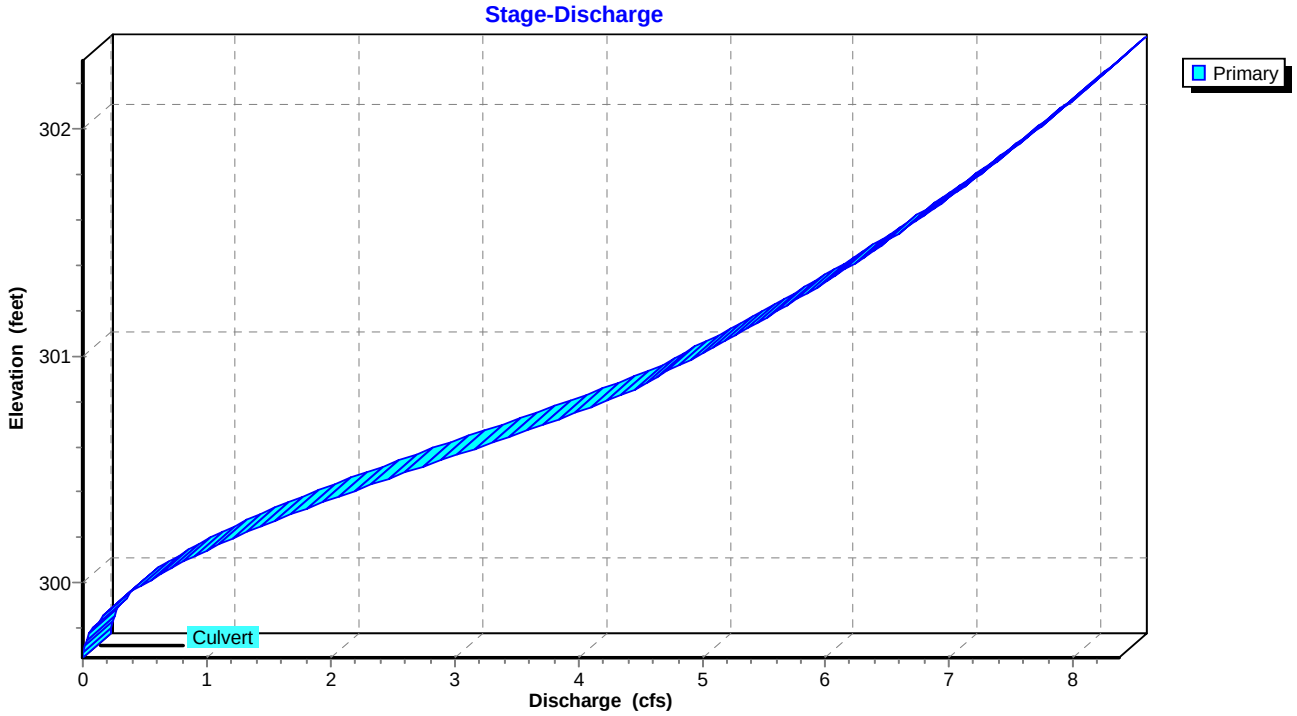
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.42 cfs @ 12.12 hrs HW=300.24' TW=297.79' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.42 cfs @ 2.58 fps)

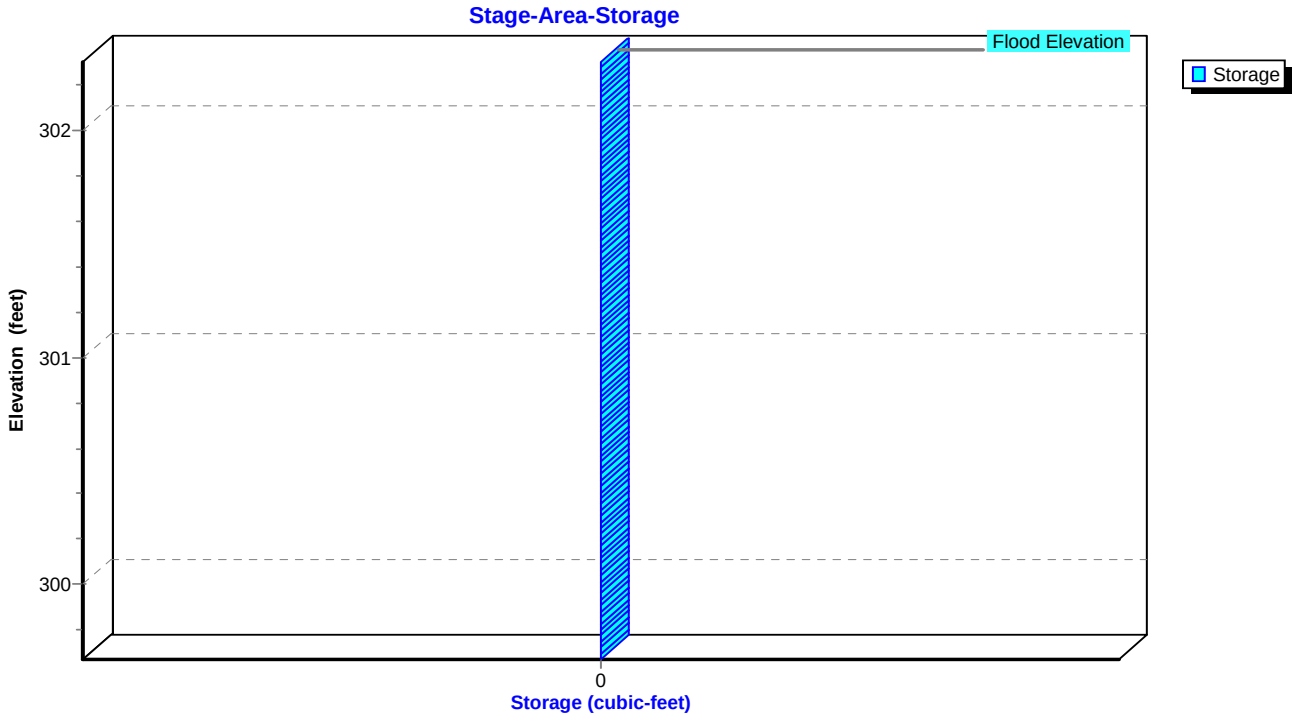
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.00	299.67	0.00
9.00	0.00	299.67	0.00
9.50	0.00	299.67	0.00
10.00	0.00	299.67	0.00
10.50	0.00	299.70	0.00
11.00	0.02	299.73	0.02
11.50	0.06	299.78	0.06
12.00	**0.64**	**300.04**	**0.64**
12.50	**0.47**	**299.99**	**0.47**
13.00	0.19	299.87	0.19
13.50	0.15	299.84	0.15
14.00	0.12	299.83	0.12
14.50	0.11	299.82	0.11
15.00	0.09	299.81	0.09
15.50	0.08	299.80	0.08
16.00	0.07	299.79	0.07
16.50	0.06	299.78	0.06
17.00	0.05	299.77	0.05
17.50	0.05	299.77	0.05
18.00	0.04	299.76	0.04
18.50	0.04	299.76	0.04
19.00	0.04	299.76	0.04
19.50	0.04	299.76	0.04
20.00	0.03	299.75	0.03
20.50	0.03	299.75	0.03
21.00	0.03	299.75	0.03
21.50	0.03	299.75	0.03
22.00	0.03	299.75	0.03
22.50	0.03	299.74	0.03
23.00	0.03	299.74	0.03
23.50	0.02	299.74	0.02
24.00	0.02	299.74	0.02

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

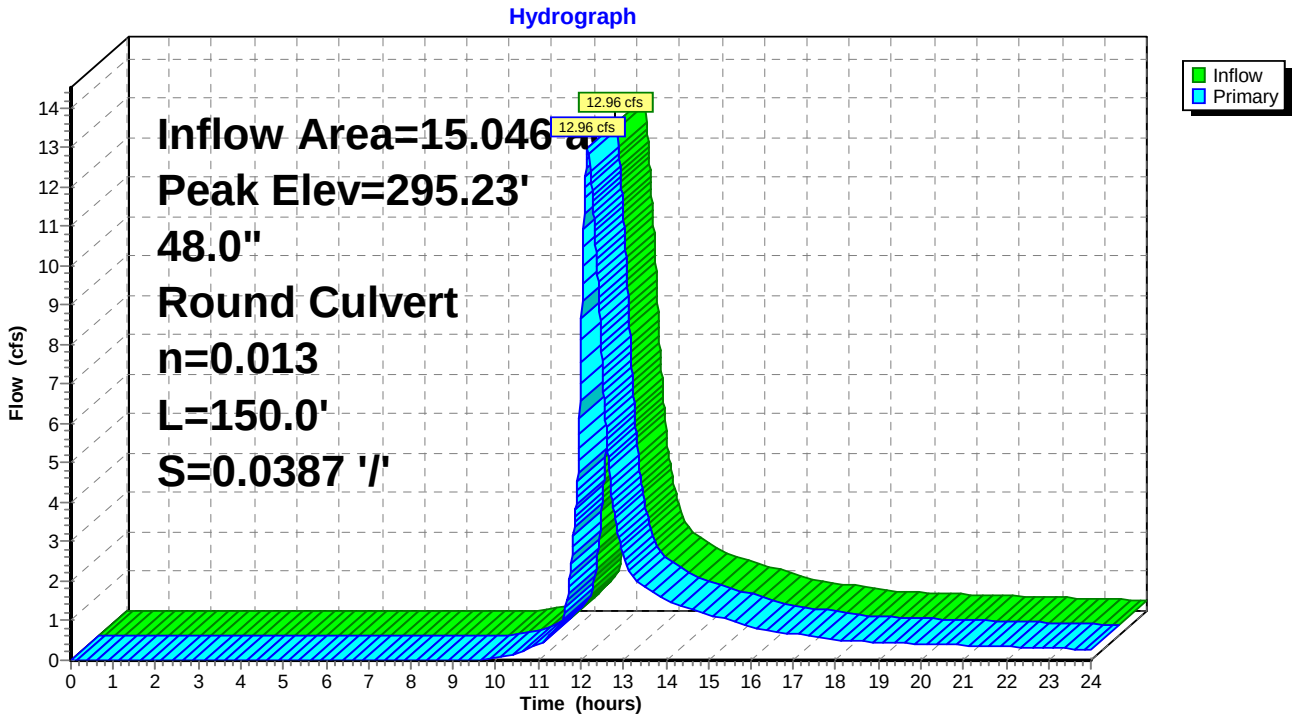
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 1.14" for 1-Year event
Inflow = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af
Outflow = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af, Atten= 0%, Lag= 0.0 min
Primary = 12.96 cfs @ 12.16 hrs, Volume= 1.431 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.23' @ 12.16 hrs
Flood Elev= 298.50'

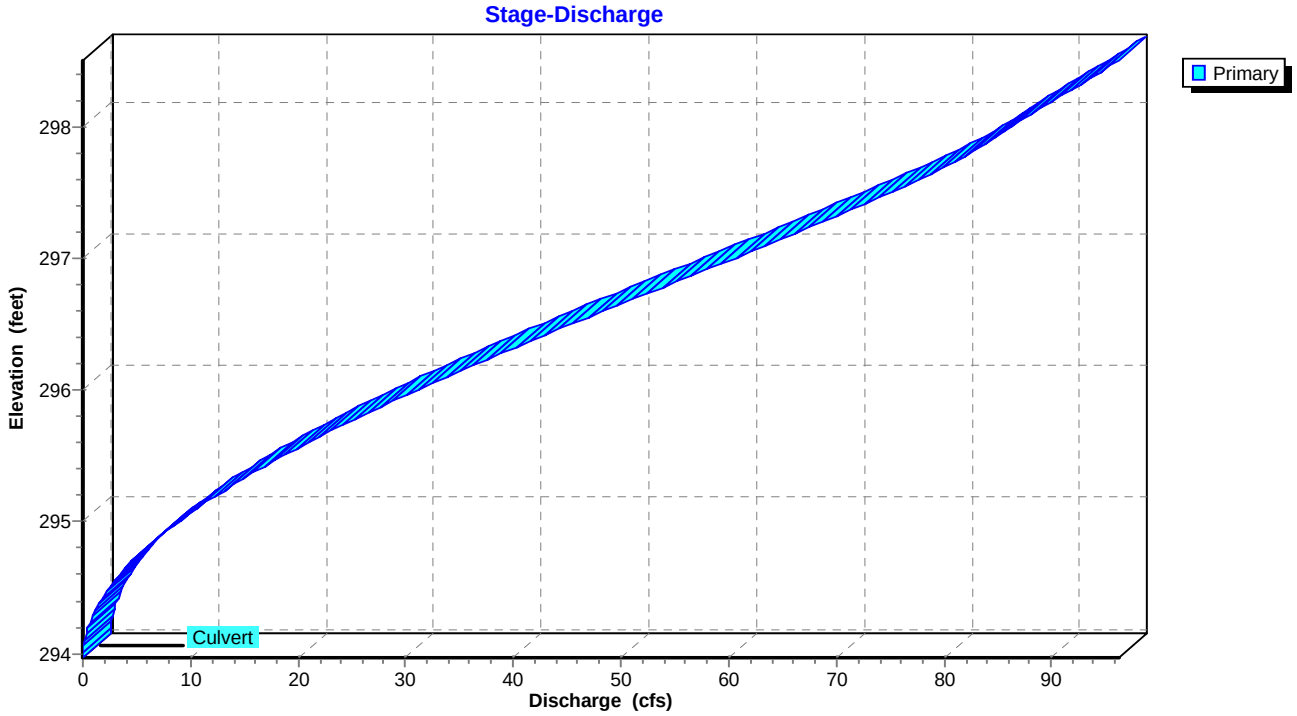
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=12.96 cfs @ 12.16 hrs HW=295.23' TW=288.17' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.96 cfs @ 3.82 fps)

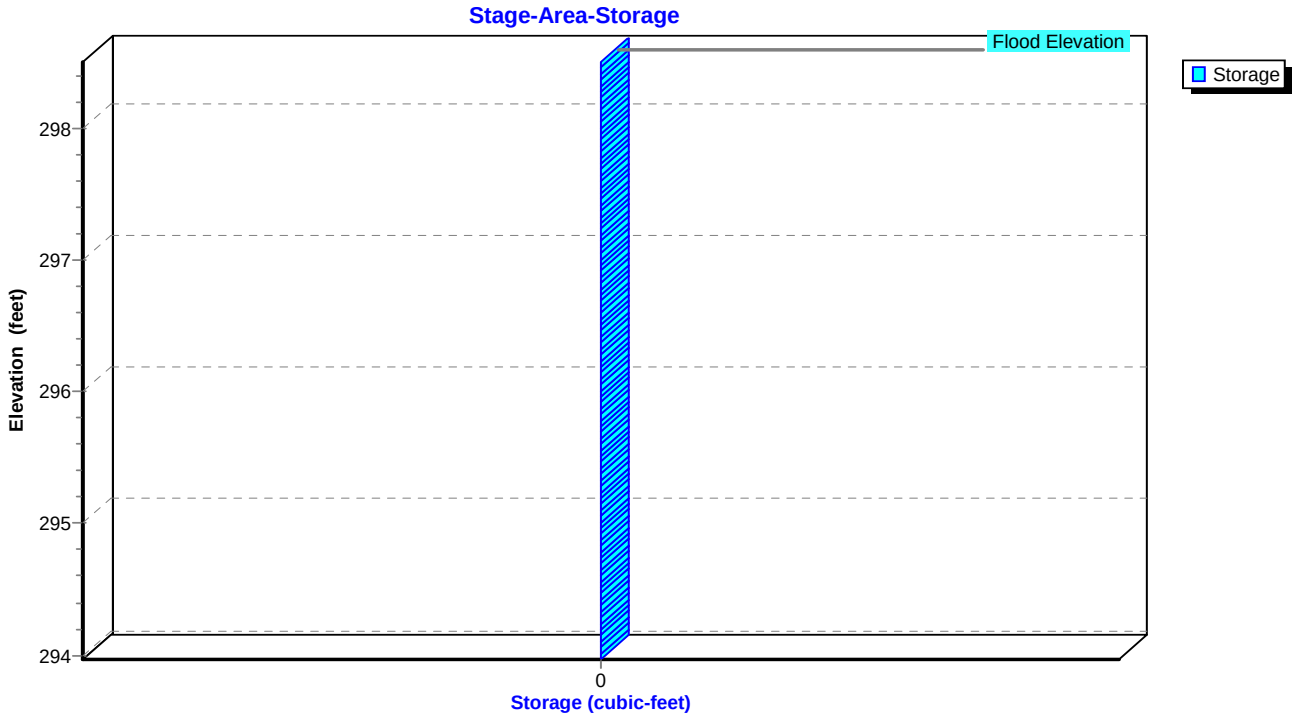
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.00	293.97	0.00
7.50	0.00	293.97	0.00
8.00	0.00	293.97	0.00
8.50	0.00	293.97	0.00
9.00	0.00	293.98	0.00
9.50	0.01	294.00	0.01
10.00	0.06	294.05	0.06
10.50	0.18	294.11	0.18
11.00	0.40	294.18	0.40
11.50	0.89	294.29	0.89
12.00	**7.56**	**294.92**	**7.56**
12.50	**7.59**	**294.92**	**7.59**
13.00	2.67	294.52	2.67
13.50	1.86	294.43	1.86
14.00	1.53	294.39	1.53
14.50	1.32	294.36	1.32
15.00	1.17	294.33	1.17
15.50	1.01	294.31	1.01
16.00	0.85	294.28	0.85
16.50	0.74	294.26	0.74
17.00	0.66	294.24	0.66
17.50	0.59	294.23	0.59
18.00	0.52	294.21	0.52
18.50	0.48	294.20	0.48
19.00	0.45	294.20	0.45
19.50	0.43	294.19	0.43
20.00	0.41	294.18	0.41
20.50	0.39	294.18	0.39
21.00	0.38	294.18	0.38
21.50	0.36	294.17	0.36
22.00	0.34	294.17	0.34
22.50	0.33	294.16	0.33
23.00	0.31	294.16	0.31
23.50	0.29	294.15	0.29
24.00	0.27	294.15	0.27

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

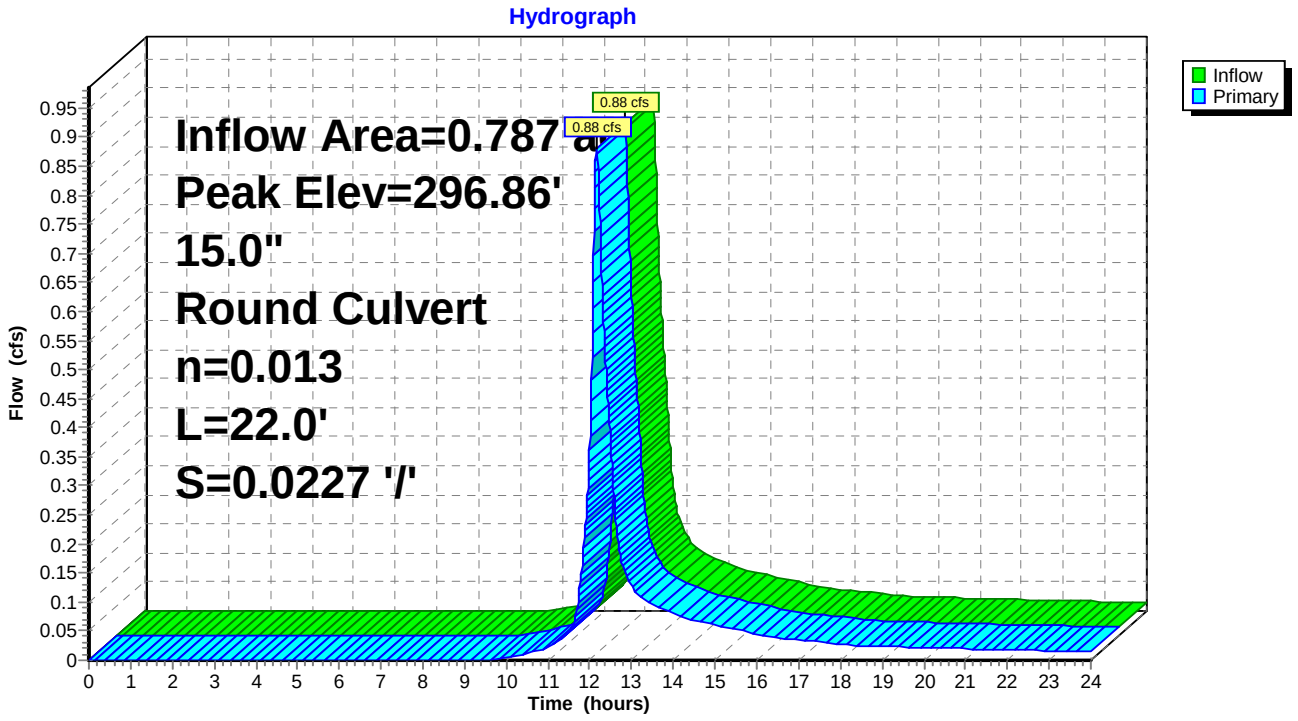
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.88 cfs @ 12.17 hrs, Volume= 0.076 af
Outflow = 0.88 cfs @ 12.17 hrs, Volume= 0.076 af, Atten= 0%, Lag= 0.0 min
Primary = 0.88 cfs @ 12.17 hrs, Volume= 0.076 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.86' @ 12.17 hrs
Flood Elev= 299.00'

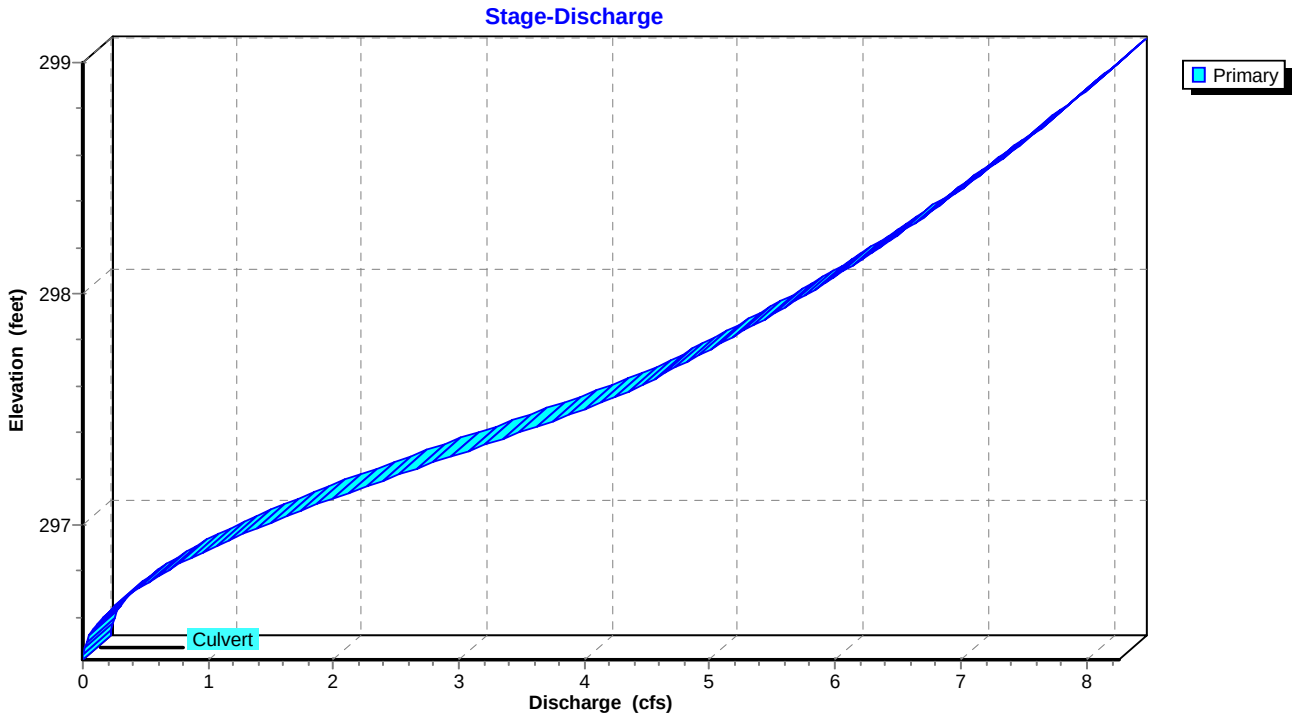
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.88 cfs @ 12.17 hrs HW=296.86' TW=295.23' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.88 cfs @ 2.26 fps)

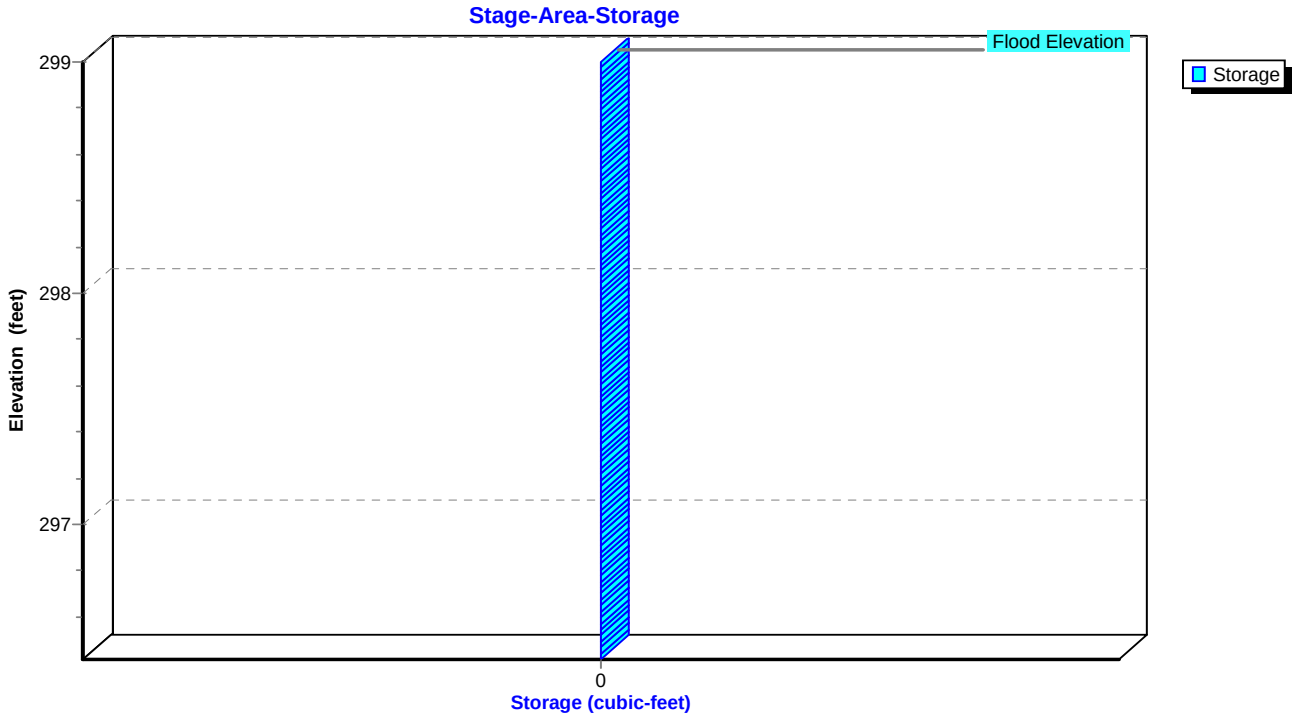
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.42	0.00
8.00	0.00	296.42	0.00
8.50	0.00	296.42	0.00
9.00	0.00	296.42	0.00
9.50	0.00	296.42	0.00
10.00	0.00	296.45	0.00
10.50	0.01	296.47	0.01
11.00	0.02	296.49	0.02
11.50	0.05	296.52	0.05
12.00	**0.36**	**296.70**	**0.36**
12.50	**0.37**	**296.70**	**0.37**
13.00	0.13	296.58	0.13
13.50	0.10	296.56	0.10
14.00	0.08	296.55	0.08
14.50	0.07	296.54	0.07
15.00	0.06	296.53	0.06
15.50	0.05	296.52	0.05
16.00	0.04	296.51	0.04
16.50	0.04	296.51	0.04
17.00	0.03	296.50	0.03
17.50	0.03	296.50	0.03
18.00	0.03	296.49	0.03
18.50	0.03	296.49	0.03
19.00	0.02	296.49	0.02
19.50	0.02	296.49	0.02
20.00	0.02	296.49	0.02
20.50	0.02	296.48	0.02
21.00	0.02	296.48	0.02
21.50	0.02	296.48	0.02
22.00	0.02	296.48	0.02
22.50	0.02	296.48	0.02
23.00	0.02	296.48	0.02
23.50	0.02	296.48	0.02
24.00	0.01	296.47	0.01

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

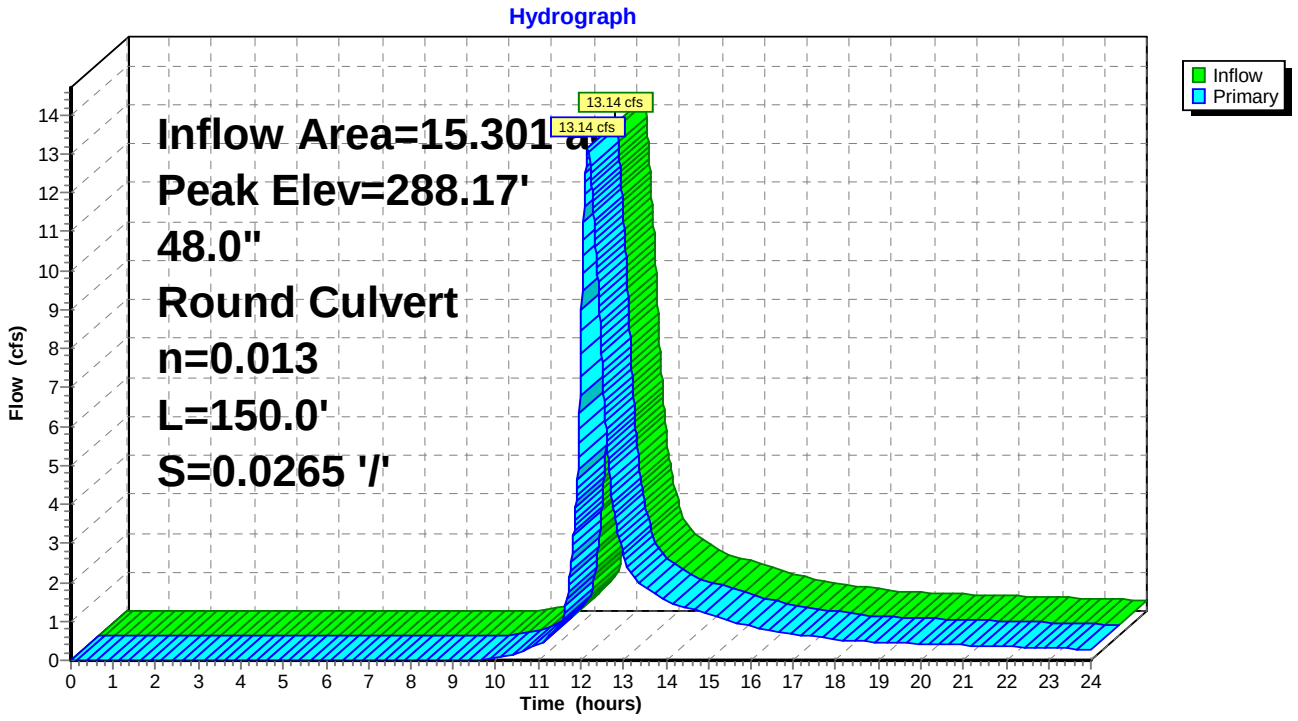
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 1.14" for 1-Year event
Inflow = 13.14 cfs @ 12.16 hrs, Volume= 1.454 af
Outflow = 13.14 cfs @ 12.16 hrs, Volume= 1.454 af, Atten= 0%, Lag= 0.0 min
Primary = 13.14 cfs @ 12.16 hrs, Volume= 1.454 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 288.17' @ 12.16 hrs
Flood Elev= 292.50'

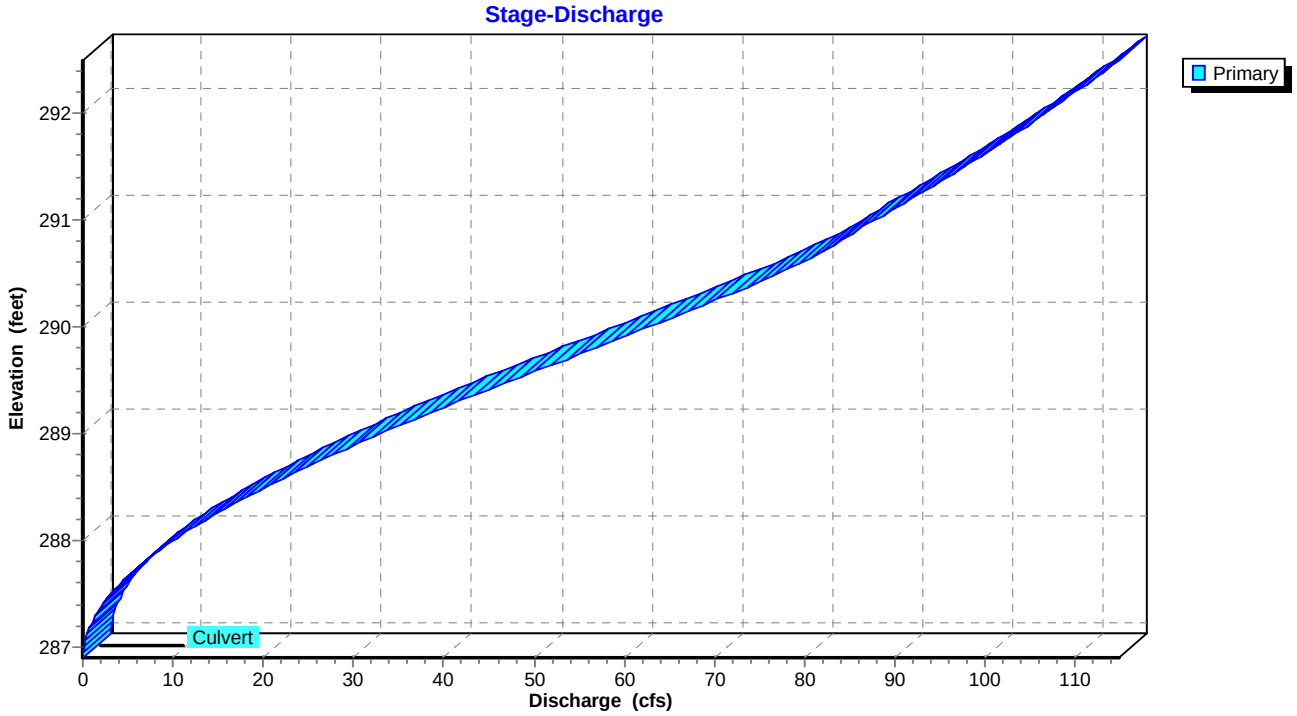
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=13.13 cfs @ 12.16 hrs HW=288.17' TW=284.16' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.13 cfs @ 3.83 fps)

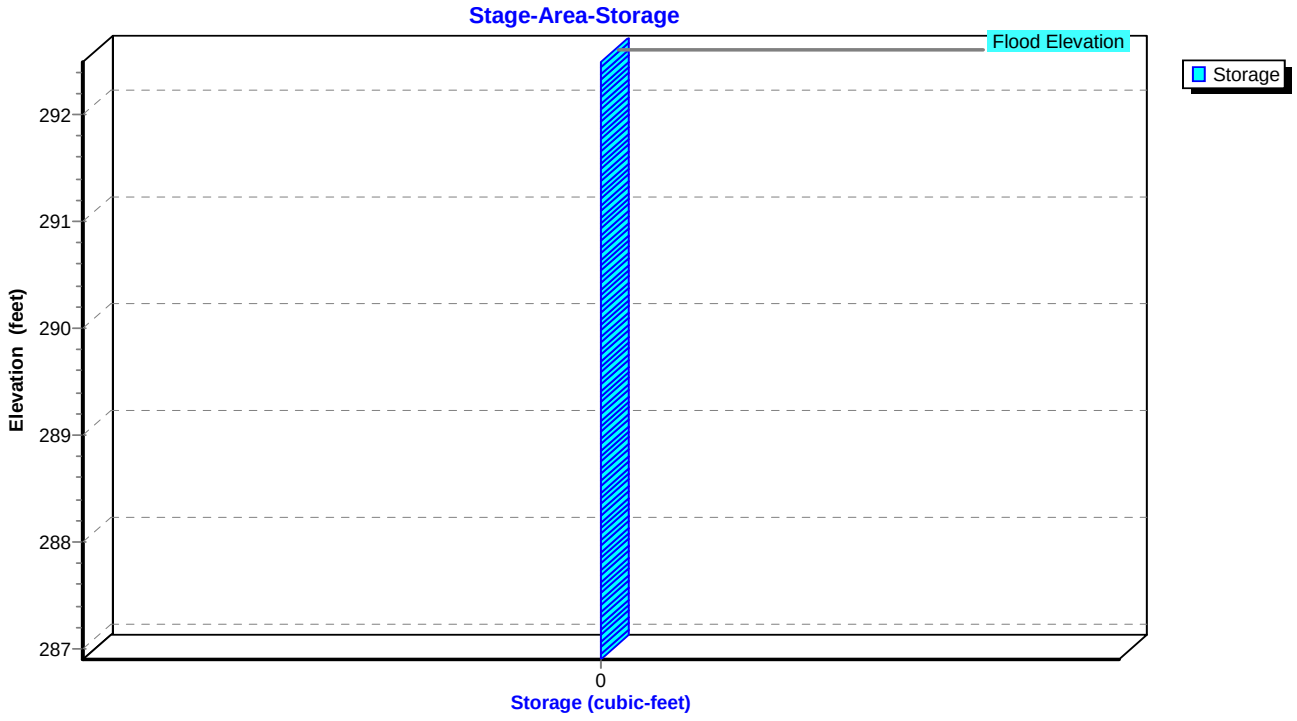
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.90	0.00
5.50	0.00	286.90	0.00
6.00	0.00	286.90	0.00
6.50	0.00	286.90	0.00
7.00	0.00	286.90	0.00
7.50	0.00	286.90	0.00
8.00	0.00	286.90	0.00
8.50	0.00	286.90	0.00
9.00	0.00	286.91	0.00
9.50	0.01	286.93	0.01
10.00	0.06	286.98	0.06
10.50	0.18	287.04	0.18
11.00	0.40	287.11	0.40
11.50	0.91	287.22	0.91
12.00	**7.86**	**287.87**	**7.86**
12.50	**7.65**	**287.85**	**7.65**
13.00	2.71	287.46	2.71
13.50	1.89	287.36	1.89
14.00	1.56	287.32	1.56
14.50	1.34	287.29	1.34
15.00	1.18	287.27	1.18
15.50	1.02	287.24	1.02
16.00	0.86	287.21	0.86
16.50	0.75	287.19	0.75
17.00	0.68	287.18	0.68
17.50	0.60	287.16	0.60
18.00	0.53	287.14	0.53
18.50	0.48	287.13	0.48
19.00	0.46	287.13	0.46
19.50	0.44	287.12	0.44
20.00	0.42	287.12	0.42
20.50	0.40	287.11	0.40
21.00	0.38	287.11	0.38
21.50	0.37	287.10	0.37
22.00	0.35	287.10	0.35
22.50	0.33	287.09	0.33
23.00	0.31	287.09	0.31
23.50	0.30	287.08	0.30
24.00	0.28	287.08	0.28

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

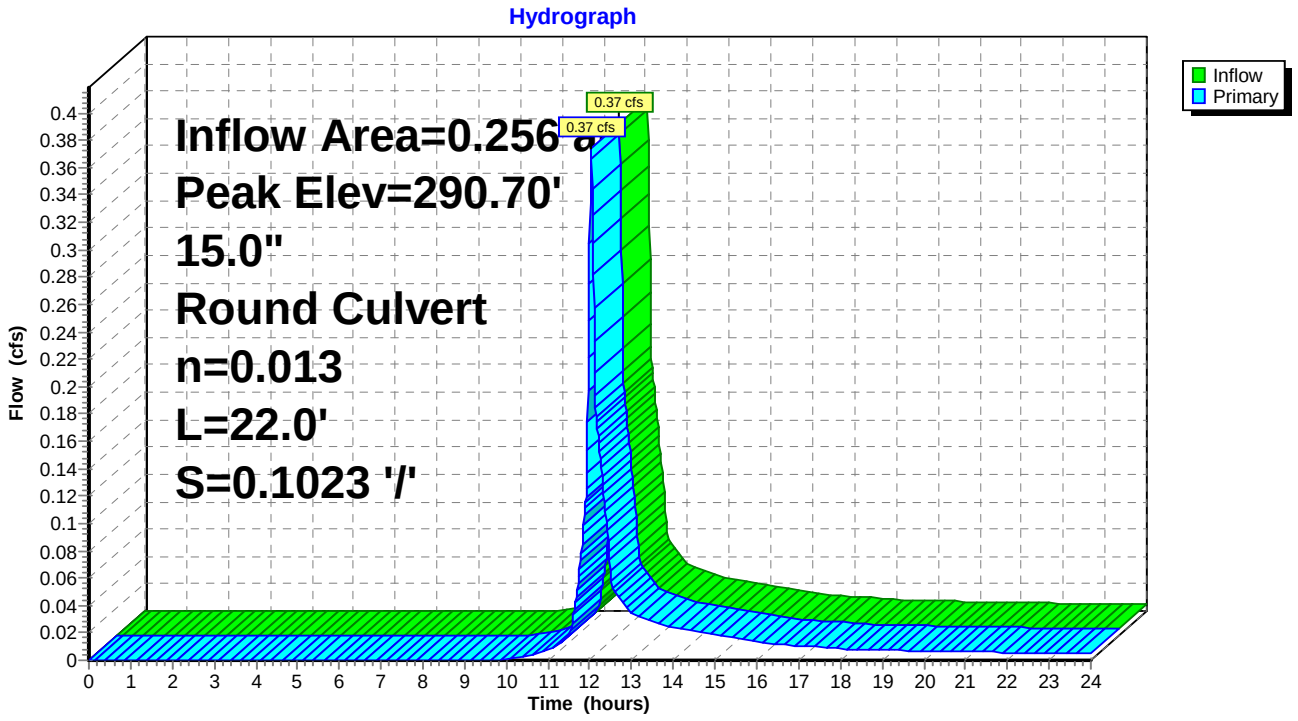
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 1.10" for 1-Year event
Inflow = 0.37 cfs @ 12.03 hrs, Volume= 0.023 af
Outflow = 0.37 cfs @ 12.03 hrs, Volume= 0.023 af, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 12.03 hrs, Volume= 0.023 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 290.70' @ 12.03 hrs
Flood Elev= 293.00'

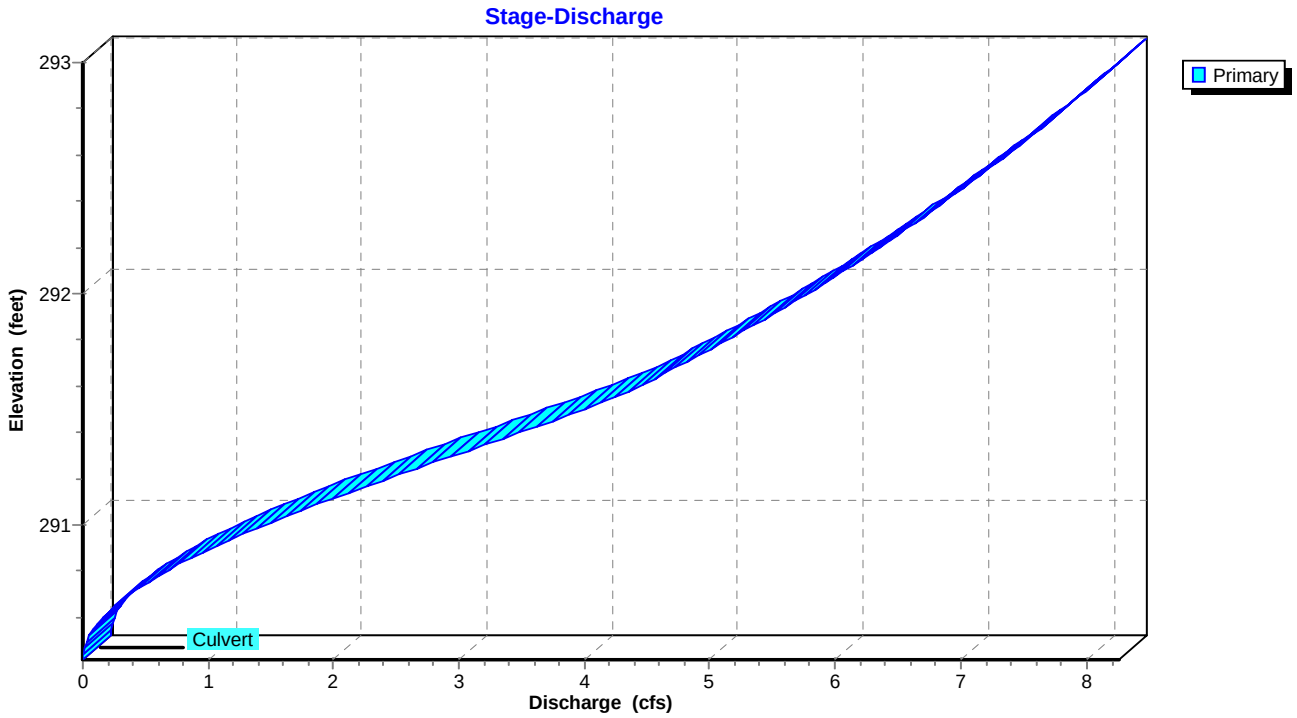
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.37 cfs @ 12.03 hrs HW=290.70' TW=287.98' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 0.37 cfs @ 1.80 fps)

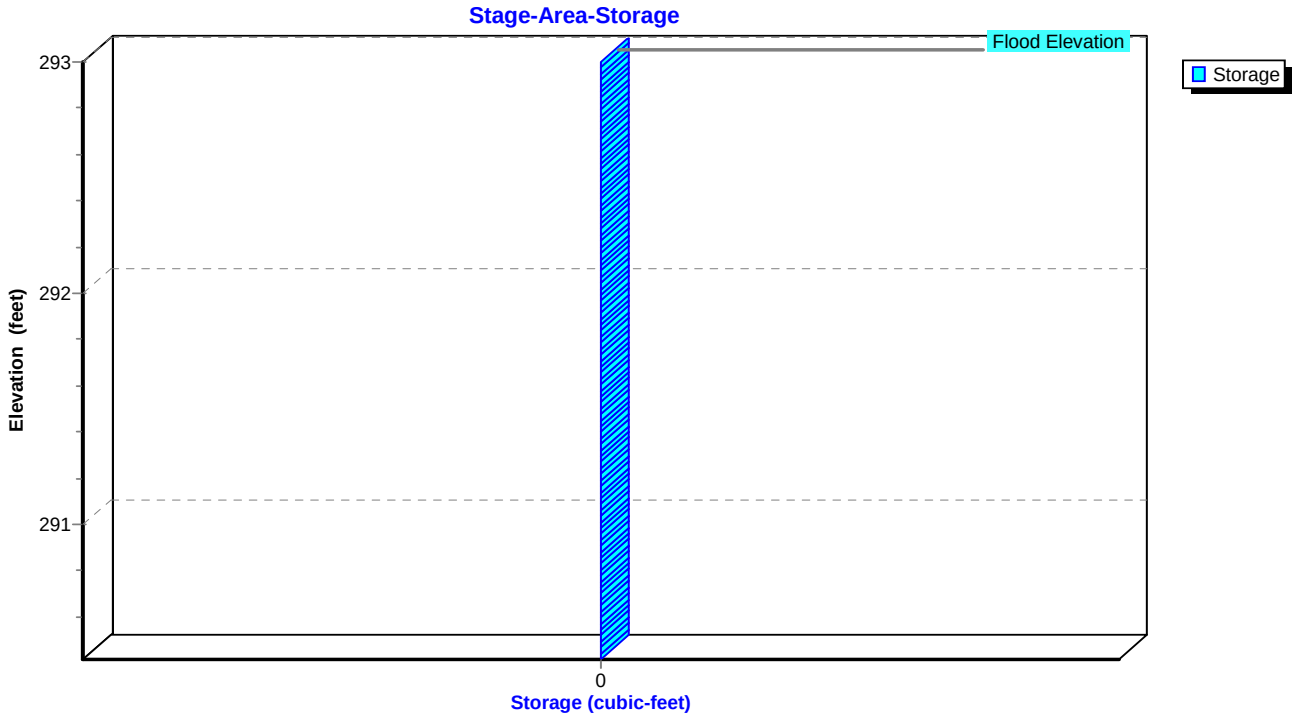
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.42	0.00
6.50	0.00	290.42	0.00
7.00	0.00	290.42	0.00
7.50	0.00	290.42	0.00
8.00	0.00	290.42	0.00
8.50	0.00	290.42	0.00
9.00	0.00	290.42	0.00
9.50	0.00	290.42	0.00
10.00	0.00	290.43	0.00
10.50	0.00	290.45	0.00
11.00	0.01	290.46	0.01
11.50	0.02	290.48	0.02
12.00	**0.30**	**290.67**	**0.30**
12.50	**0.06**	**290.53**	**0.06**
13.00	0.03	290.50	0.03
13.50	0.03	290.50	0.03
14.00	0.02	290.49	0.02
14.50	0.02	290.48	0.02
15.00	0.02	290.48	0.02
15.50	0.02	290.48	0.02
16.00	0.01	290.47	0.01
16.50	0.01	290.47	0.01
17.00	0.01	290.47	0.01
17.50	0.01	290.46	0.01
18.00	0.01	290.46	0.01
18.50	0.01	290.46	0.01
19.00	0.01	290.46	0.01
19.50	0.01	290.46	0.01
20.00	0.01	290.46	0.01
20.50	0.01	290.46	0.01
21.00	0.01	290.46	0.01
21.50	0.01	290.45	0.01
22.00	0.01	290.45	0.01
22.50	0.01	290.45	0.01
23.00	0.01	290.45	0.01
23.50	0.00	290.45	0.00
24.00	0.00	290.45	0.00

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

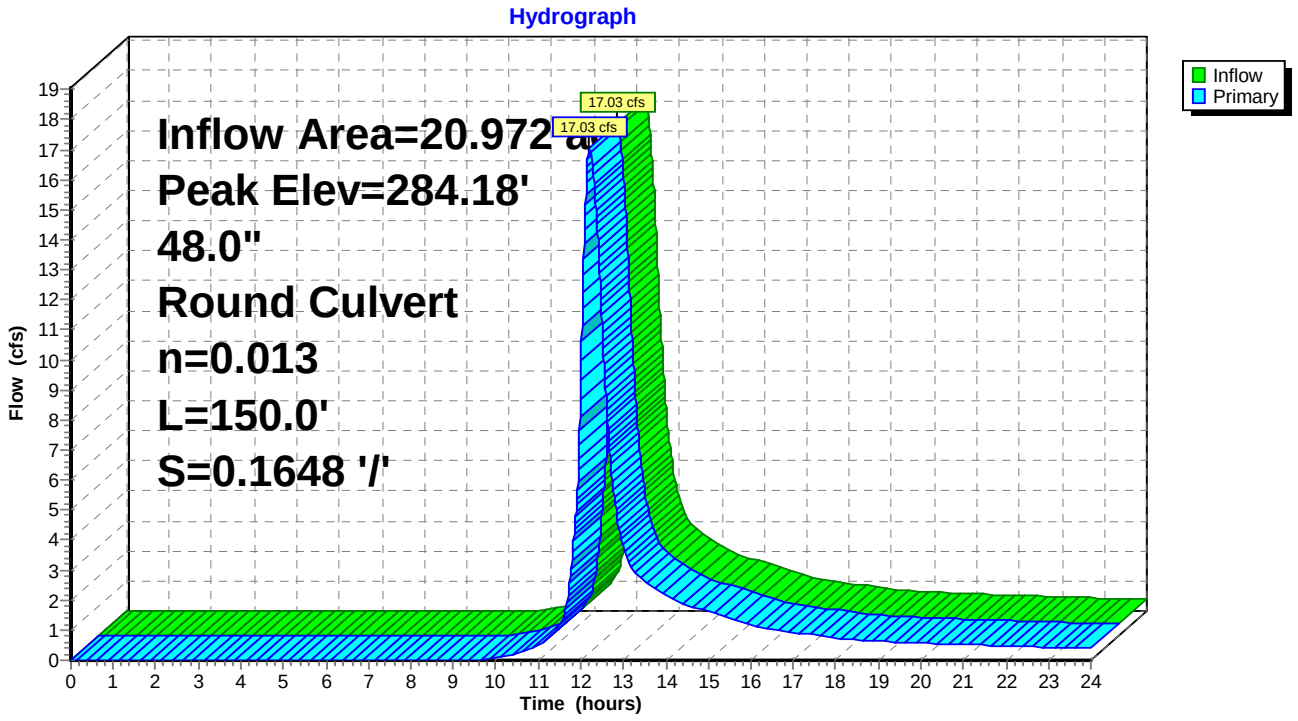
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 1.13" for 1-Year event
Inflow = 17.03 cfs @ 12.21 hrs, Volume= 1.972 af
Outflow = 17.03 cfs @ 12.21 hrs, Volume= 1.972 af, Atten= 0%, Lag= 0.0 min
Primary = 17.03 cfs @ 12.21 hrs, Volume= 1.972 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 284.18' @ 12.21 hrs
Flood Elev= 287.25'

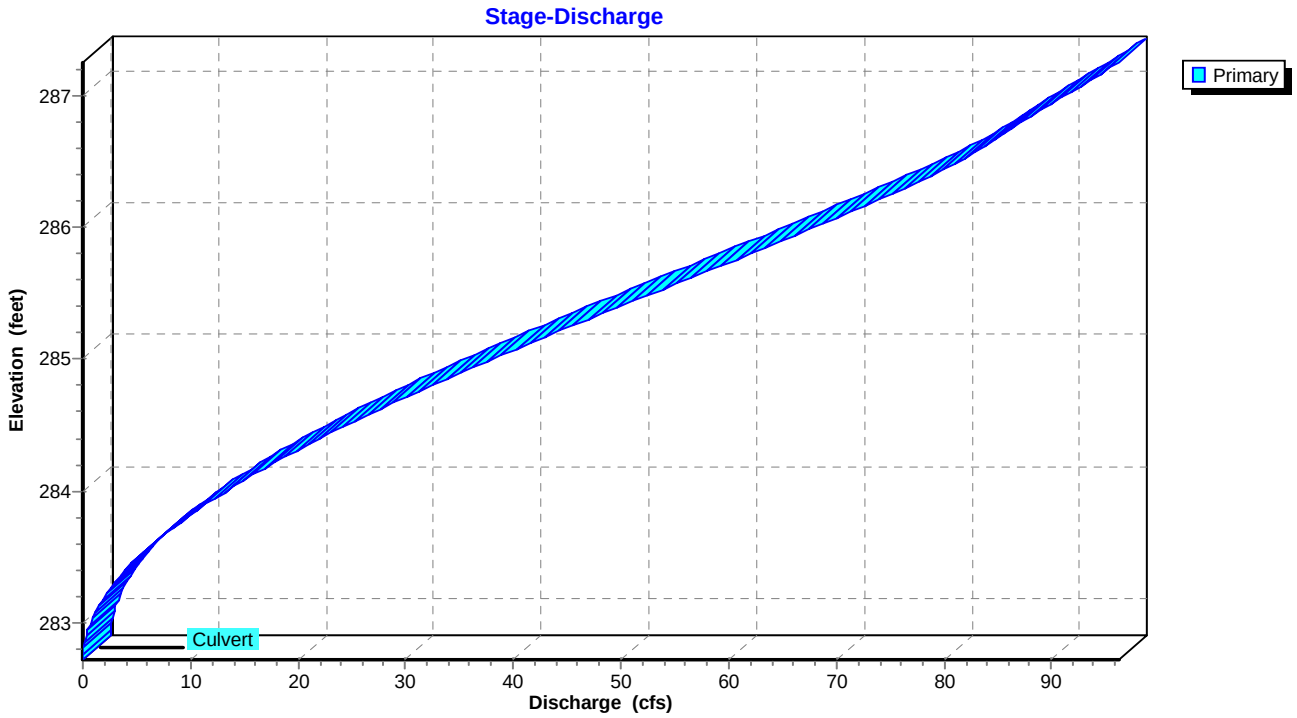
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=17.03 cfs @ 12.21 hrs HW=284.18' (Free Discharge)
1=Culvert (Inlet Controls 17.03 cfs @ 4.11 fps)

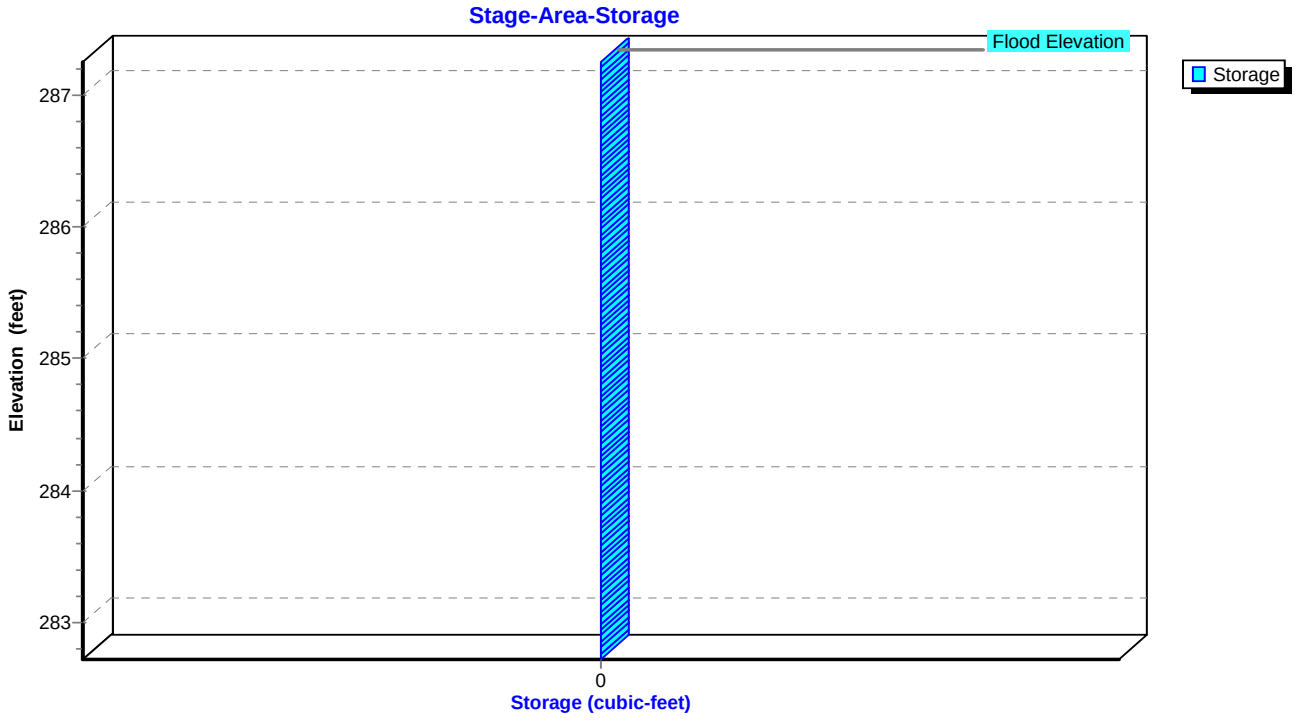
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.72	0.00
5.50	0.00	282.72	0.00
6.00	0.00	282.72	0.00
6.50	0.00	282.72	0.00
7.00	0.00	282.72	0.00
7.50	0.00	282.72	0.00
8.00	0.00	282.72	0.00
8.50	0.00	282.72	0.00
9.00	0.00	282.73	0.00
9.50	0.01	282.75	0.01
10.00	0.06	282.80	0.06
10.50	0.22	282.88	0.22
11.00	0.51	282.96	0.51
11.50	1.16	283.08	1.16
12.00	**9.31**	**283.78**	**9.31**
12.50	**11.19**	**283.89**	**11.19**
13.00	3.81	283.39	3.81
13.50	2.59	283.27	2.59
14.00	2.14	283.22	2.14
14.50	1.84	283.18	1.84
15.00	1.63	283.15	1.63
15.50	1.41	283.12	1.41
16.00	1.18	283.09	1.18
16.50	1.03	283.06	1.03
17.00	0.93	283.04	0.93
17.50	0.83	283.03	0.83
18.00	0.72	283.01	0.72
18.50	0.66	282.99	0.66
19.00	0.63	282.99	0.63
19.50	0.60	282.98	0.60
20.00	0.57	282.97	0.57
20.50	0.55	282.97	0.55
21.00	0.52	282.96	0.52
21.50	0.50	282.96	0.50
22.00	0.48	282.95	0.48
22.50	0.45	282.95	0.45
23.00	0.43	282.94	0.43
23.50	0.41	282.93	0.41
24.00	0.38	282.93	0.38

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

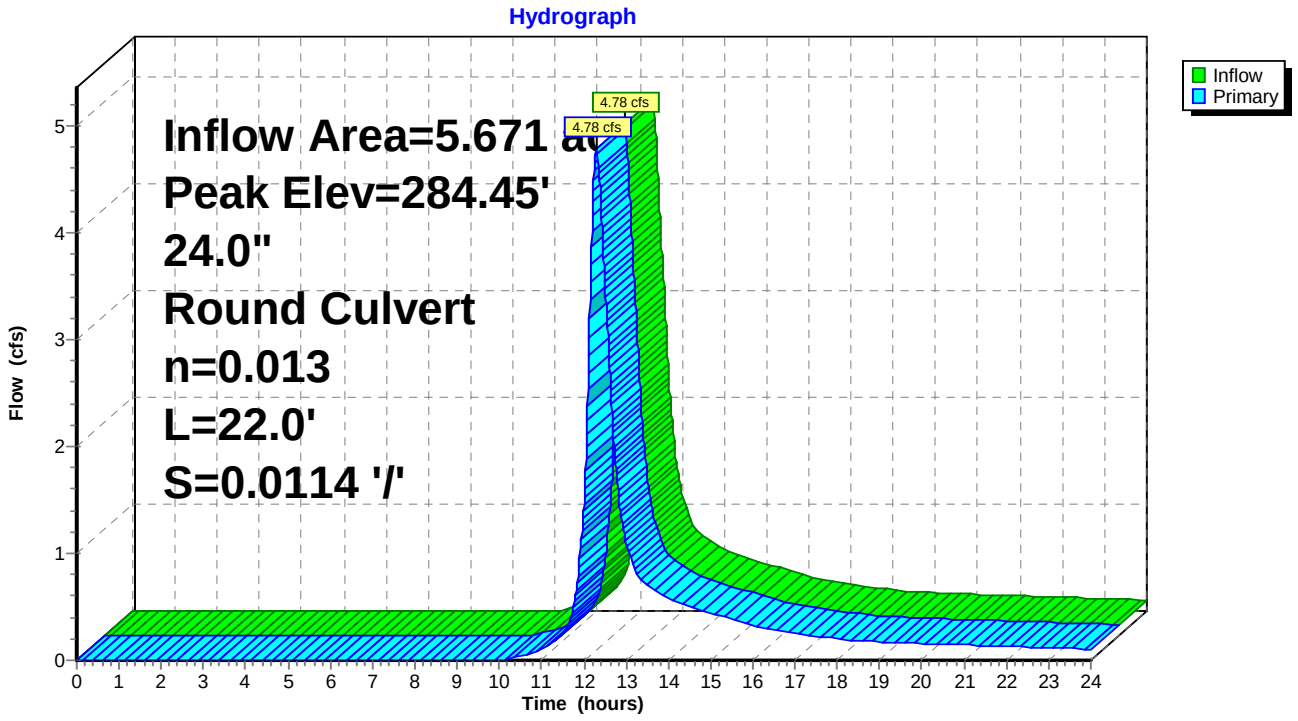
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 1.10" for 1-Year event
Inflow = 4.78 cfs @ 12.29 hrs, Volume= 0.518 af
Outflow = 4.78 cfs @ 12.29 hrs, Volume= 0.518 af, Atten= 0%, Lag= 0.0 min
Primary = 4.78 cfs @ 12.29 hrs, Volume= 0.518 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 284.45' @ 12.26 hrs
Flood Elev= 286.00'

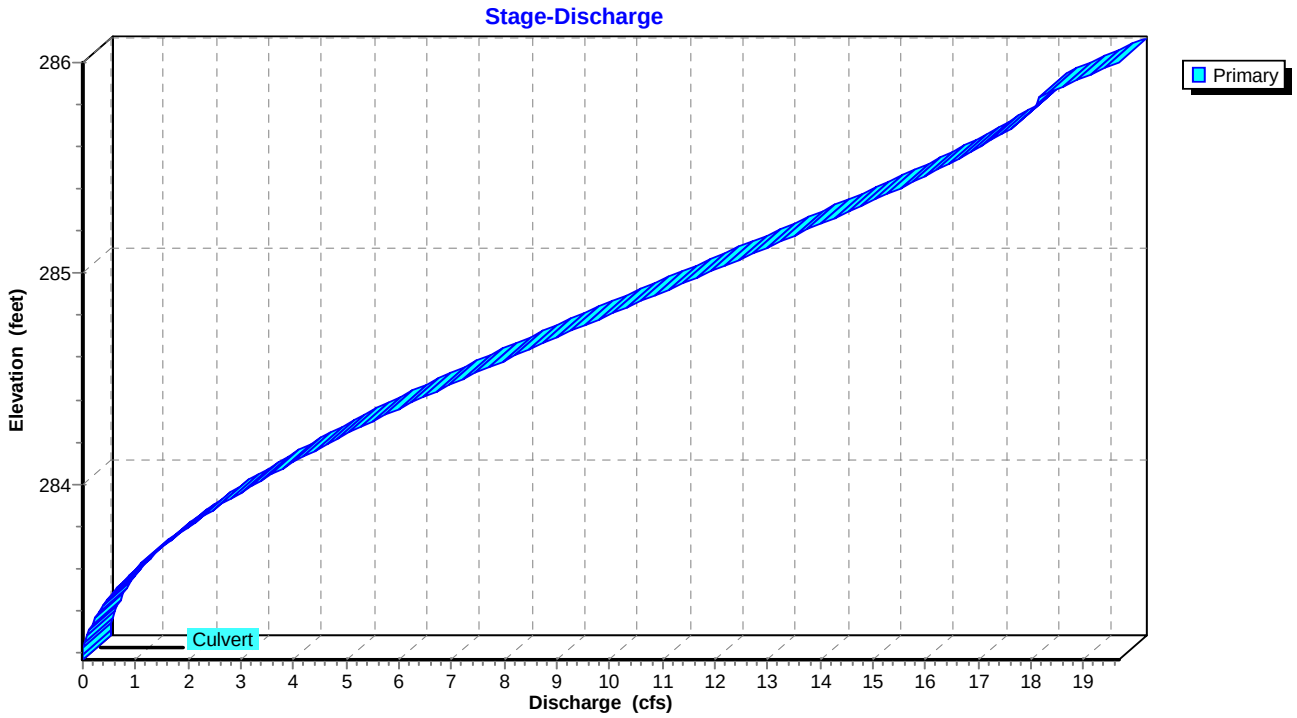
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.84 cfs @ 12.29 hrs HW=284.44' TW=284.15' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.84 cfs @ 3.27 fps)

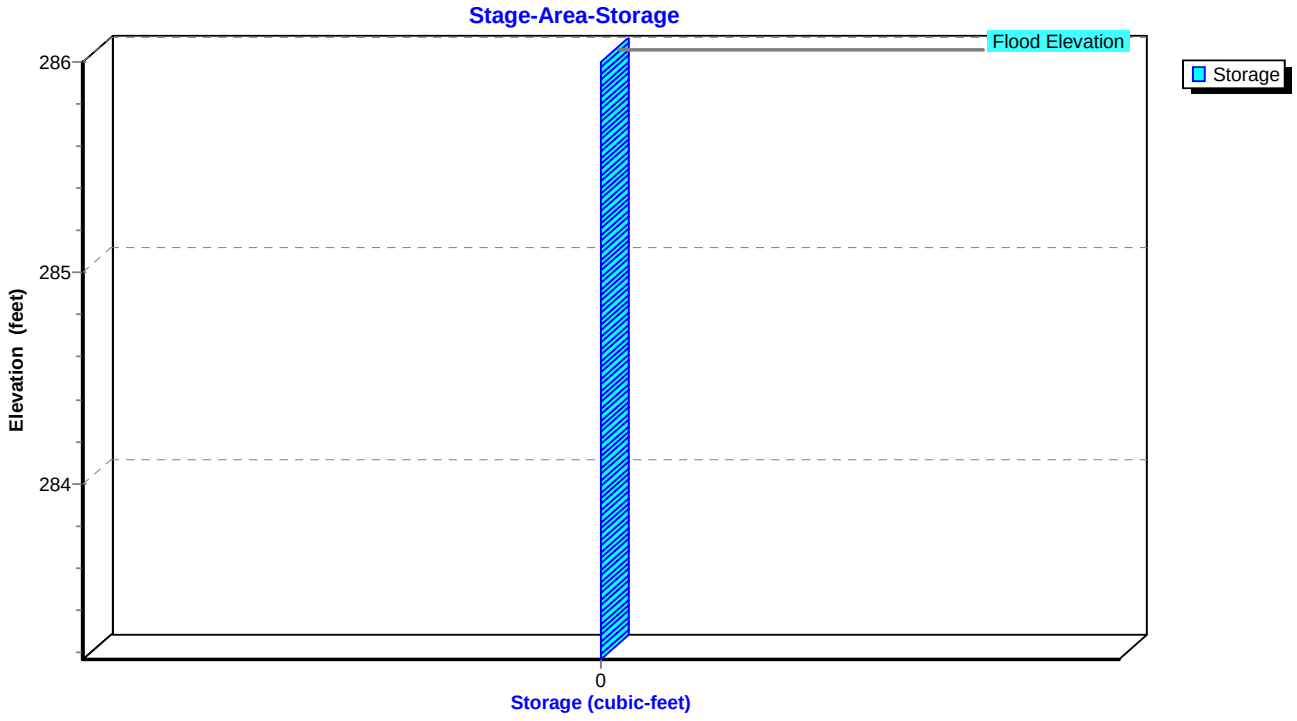
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.17	0.00
6.50	0.00	283.17	0.00
7.00	0.00	283.17	0.00
7.50	0.00	283.17	0.00
8.00	0.00	283.17	0.00
8.50	0.00	283.17	0.00
9.00	0.00	283.17	0.00
9.50	0.00	283.17	0.00
10.00	0.00	283.19	0.00
10.50	0.04	283.25	0.04
11.00	0.11	283.31	0.11
11.50	0.25	283.38	0.25
12.00	**1.45**	**283.88**	**1.45**
12.50	**3.54**	**284.19**	**3.54**
13.00	1.10	283.66	1.10
13.50	0.71	283.55	0.71
14.00	0.59	283.50	0.59
14.50	0.50	283.47	0.50
15.00	0.44	283.45	0.44
15.50	0.38	283.43	0.38
16.00	0.32	283.41	0.32
16.50	0.28	283.39	0.28
17.00	0.25	283.38	0.25
17.50	0.22	283.36	0.22
18.00	0.20	283.35	0.20
18.50	0.18	283.34	0.18
19.00	0.17	283.34	0.17
19.50	0.16	283.34	0.16
20.00	0.15	283.33	0.15
20.50	0.15	283.33	0.15
21.00	0.14	283.32	0.14
21.50	0.13	283.32	0.13
22.00	0.13	283.32	0.13
22.50	0.12	283.31	0.12
23.00	0.12	283.31	0.12
23.50	0.11	283.31	0.11
24.00	0.10	283.30	0.10

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	284.19	4.63	285.21	13.79
283.19	0.00	284.21	4.79	285.23	13.97
283.21	0.01	284.23	4.94	285.25	14.15
283.23	0.02	284.25	5.10	285.27	14.33
283.25	0.04	284.27	5.26	285.29	14.51
283.27	0.06	284.29	5.42	285.31	14.69
283.29	0.09	284.31	5.58	285.33	14.86
283.31	0.12	284.33	5.75	285.35	15.04
283.33	0.15	284.35	5.91	285.37	15.21
283.35	0.19	284.37	6.08	285.39	15.38
283.37	0.24	284.39	6.25	285.41	15.55
283.39	0.28	284.41	6.42	285.43	15.72
283.41	0.34	284.43	6.59	285.45	15.88
283.43	0.39	284.45	6.76	285.47	16.05
283.45	0.45	284.47	6.94	285.49	16.21
283.47	0.52	284.49	7.11	285.51	16.36
283.49	0.58	284.51	7.29	285.53	16.52
283.51	0.65	284.53	7.46	285.55	16.67
283.53	0.73	284.55	7.64	285.57	16.82
283.55	0.80	284.57	7.82	285.59	16.96
283.57	0.88	284.59	8.00	285.61	17.10
283.59	0.97	284.61	8.18	285.63	17.23
283.61	1.05	284.63	8.36	285.65	17.36
283.63	1.14	284.65	8.55	285.67	17.49
283.65	1.23	284.67	8.73	285.69	17.61
283.67	1.33	284.69	8.91	285.71	17.72
283.69	1.42	284.71	9.10	285.73	17.83
283.71	1.52	284.73	9.28	285.75	17.92
283.73	1.63	284.75	9.47	285.77	18.01
283.75	1.73	284.77	9.66	285.79	18.08
283.77	1.84	284.79	9.84	285.81	18.14
283.79	1.95	284.81	10.03	285.83	18.16
283.81	2.06	284.83	10.22	285.85	18.25
283.83	2.18	284.85	10.41	285.87	18.45
283.85	2.30	284.87	10.60	285.89	18.64
283.87	2.42	284.89	10.79	285.91	18.83
283.89	2.54	284.91	10.98	285.93	19.02
283.91	2.66	284.93	11.16	285.95	19.21
283.93	2.79	284.95	11.35	285.97	19.39
283.95	2.92	284.97	11.54	285.99	**19.58**
283.97	3.05	284.99	11.73		
283.99	3.19	285.01	11.92		
284.01	3.32	285.03	12.11		
284.03	3.46	285.05	12.30		
284.05	3.60	285.07	12.49		
284.07	3.74	285.09	12.67		
284.09	3.88	285.11	12.86		
284.11	4.03	285.13	13.05		
284.13	4.18	285.15	13.23		
284.15	4.33	285.17	13.42		
284.17	4.48	285.19	13.60		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	284.19	0	285.21	0
283.19	0	284.21	0	285.23	0
283.21	0	284.23	0	285.25	0
283.23	0	284.25	0	285.27	0
283.25	0	284.27	0	285.29	0
283.27	0	284.29	0	285.31	0
283.29	0	284.31	0	285.33	0
283.31	0	284.33	0	285.35	0
283.33	0	284.35	0	285.37	0
283.35	0	284.37	0	285.39	0
283.37	0	284.39	0	285.41	0
283.39	0	284.41	0	285.43	0
283.41	0	284.43	0	285.45	0
283.43	0	284.45	0	285.47	0
283.45	0	284.47	0	285.49	0
283.47	0	284.49	0	285.51	0
283.49	0	284.51	0	285.53	0
283.51	0	284.53	0	285.55	0
283.53	0	284.55	0	285.57	0
283.55	0	284.57	0	285.59	0
283.57	0	284.59	0	285.61	0
283.59	0	284.61	0	285.63	0
283.61	0	284.63	0	285.65	0
283.63	0	284.65	0	285.67	0
283.65	0	284.67	0	285.69	0
283.67	0	284.69	0	285.71	0
283.69	0	284.71	0	285.73	0
283.71	0	284.73	0	285.75	0
283.73	0	284.75	0	285.77	0
283.75	0	284.77	0	285.79	0
283.77	0	284.79	0	285.81	0
283.79	0	284.81	0	285.83	0
283.81	0	284.83	0	285.85	0
283.83	0	284.85	0	285.87	0
283.85	0	284.87	0	285.89	0
283.87	0	284.89	0	285.91	0
283.89	0	284.91	0	285.93	0
283.91	0	284.93	0	285.95	0
283.93	0	284.95	0	285.97	0
283.95	0	284.97	0	285.99	0
283.97	0	284.99	0		
283.99	0	285.01	0		
284.01	0	285.03	0		
284.03	0	285.05	0		
284.05	0	285.07	0		
284.07	0	285.09	0		
284.09	0	285.11	0		
284.11	0	285.13	0		
284.13	0	285.15	0		
284.15	0	285.17	0		
284.17	0	285.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

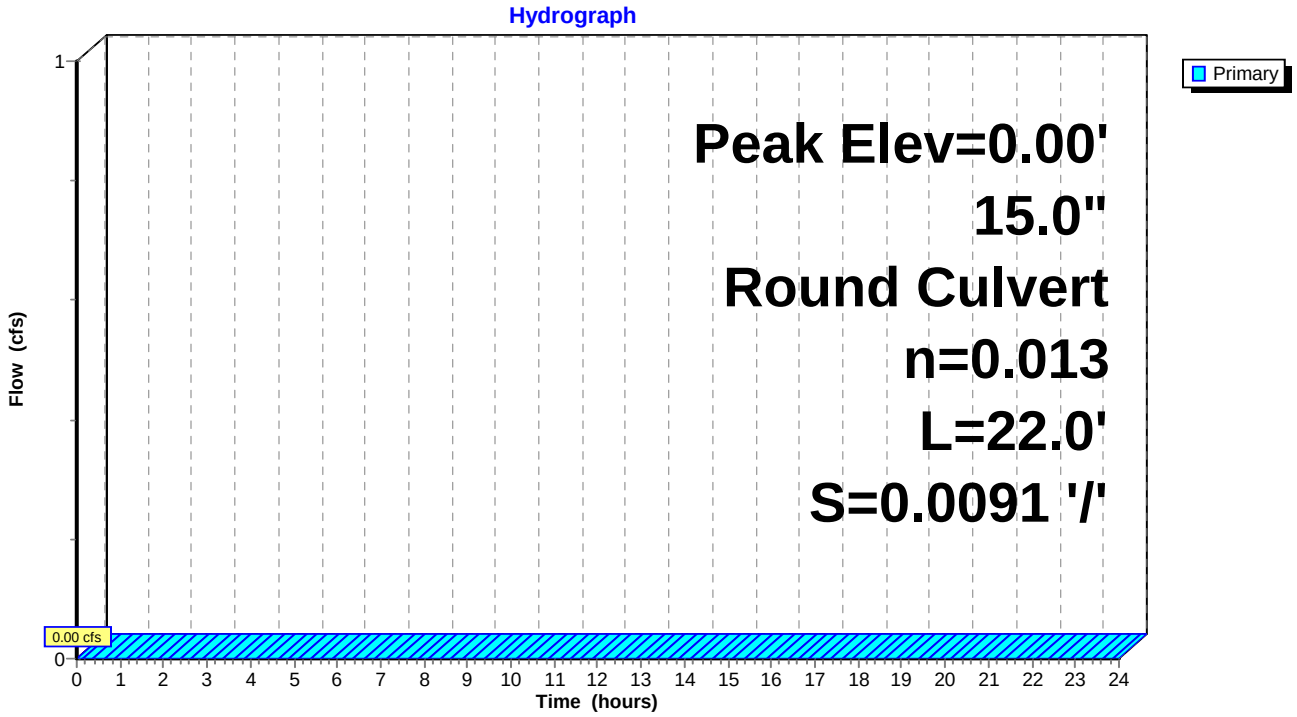
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

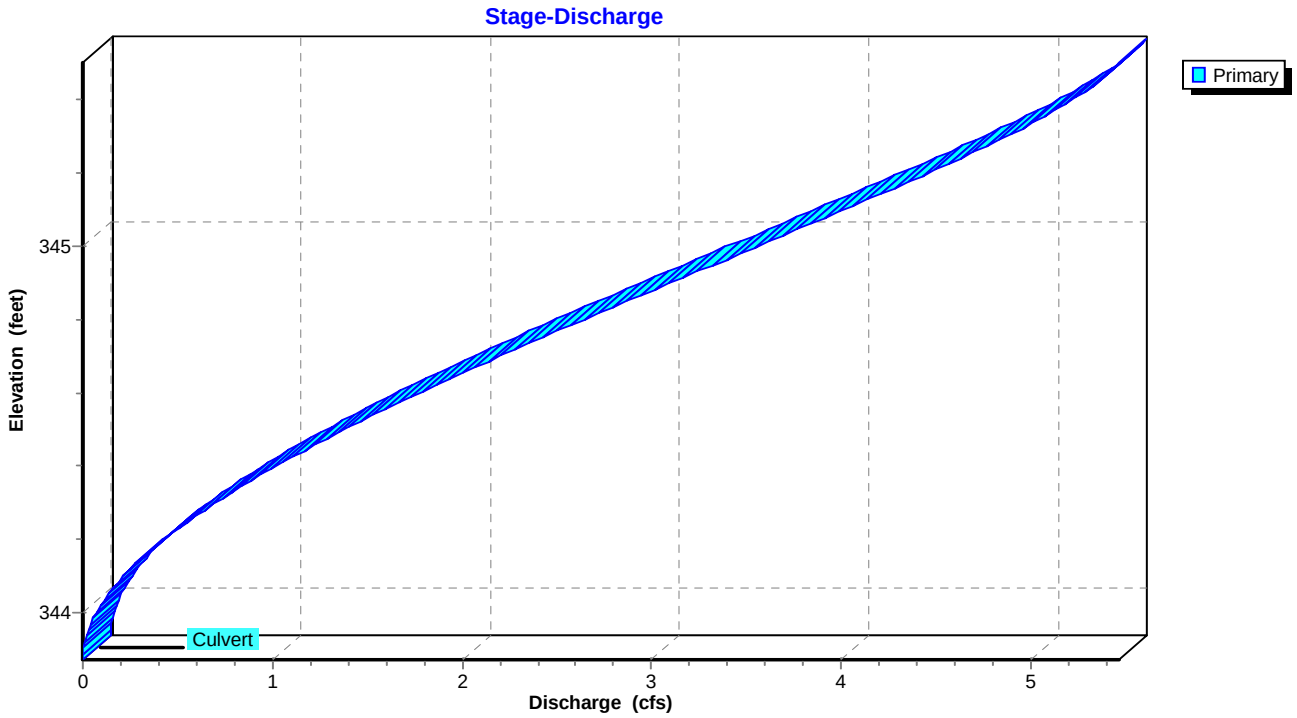
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

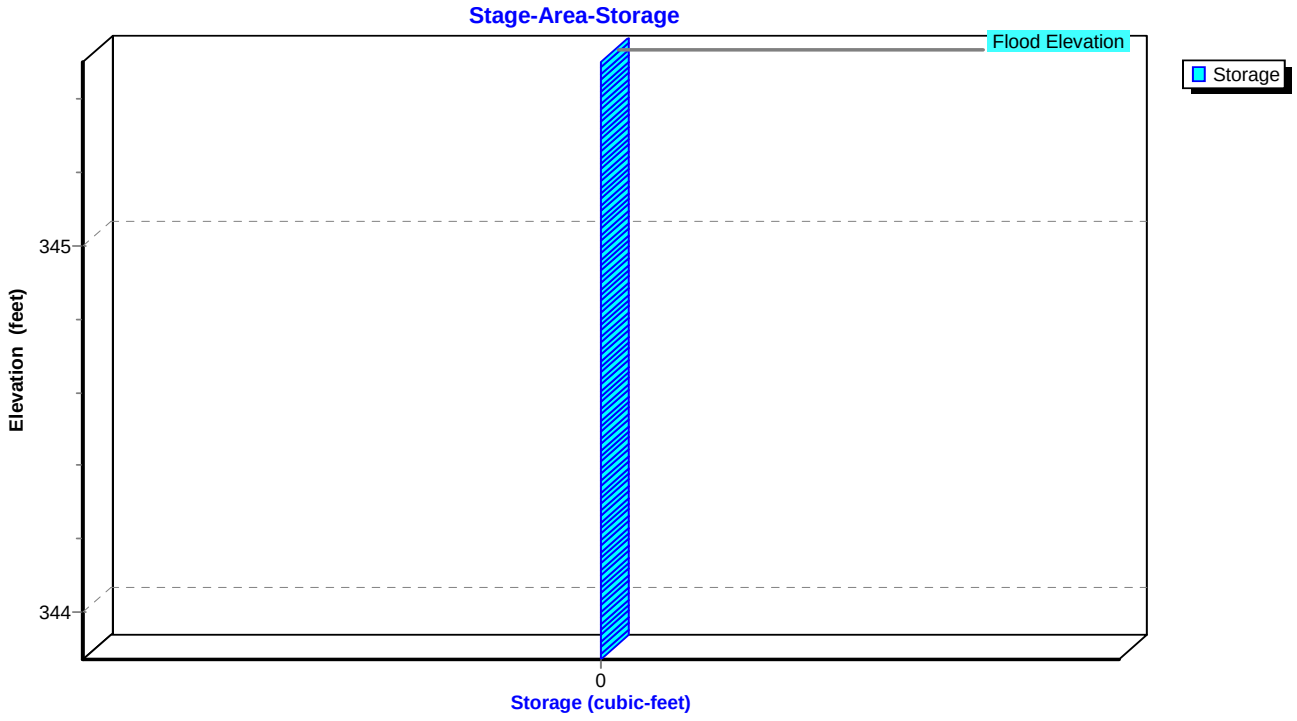
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

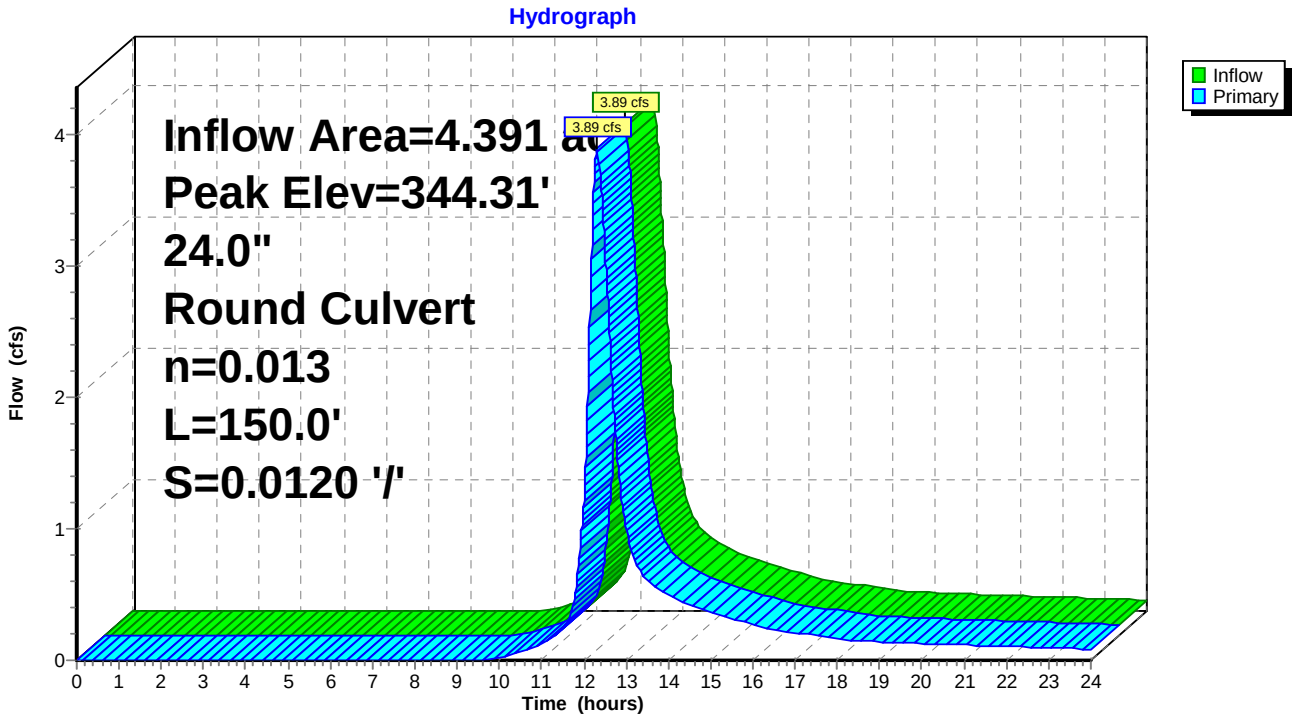
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af
Outflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af, Atten= 0%, Lag= 0.0 min
Primary = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.31' @ 12.31 hrs
Flood Elev= 347.00'

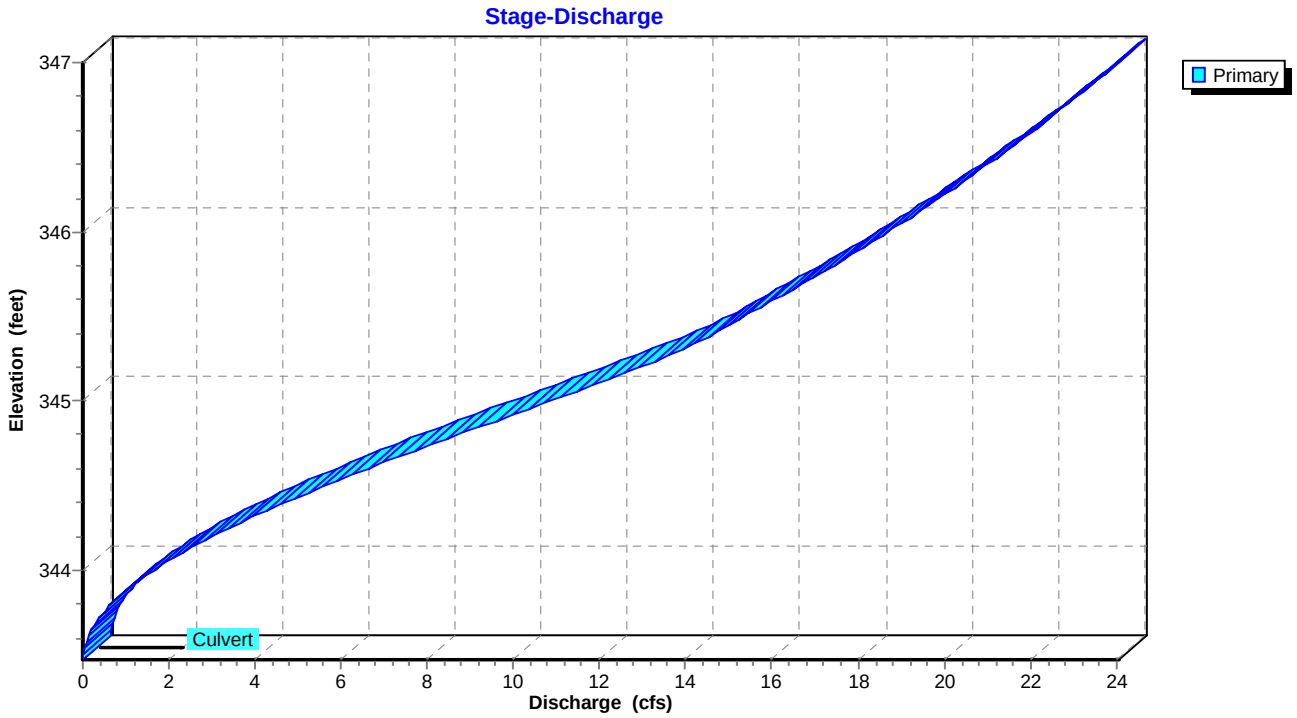
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.89 cfs @ 12.31 hrs HW=344.31' TW=342.42' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.89 cfs @ 3.12 fps)

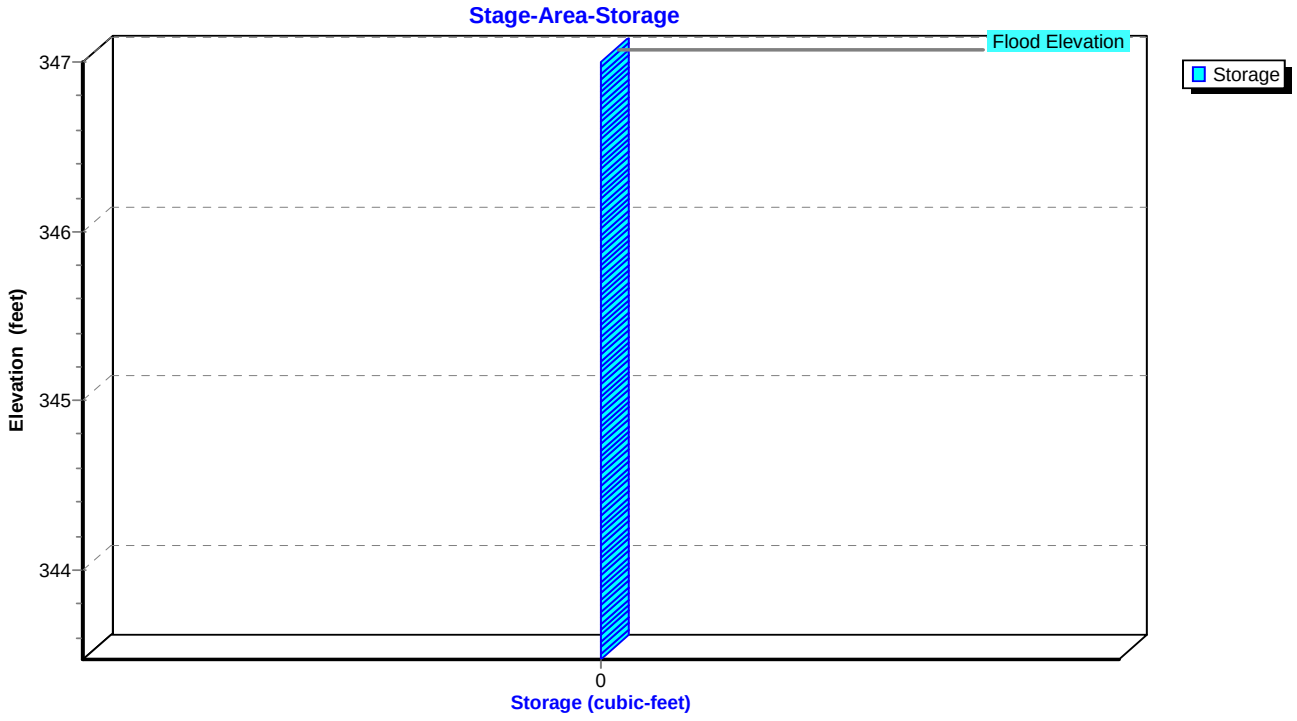
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.47	0.00
8.00	0.00	343.47	0.00
8.50	0.00	343.47	0.00
9.00	0.00	343.47	0.00
9.50	0.00	343.49	0.00
10.00	0.02	343.53	0.02
10.50	0.06	343.57	0.06
11.00	0.13	343.61	0.13
11.50	0.25	343.67	0.25
12.00	**1.21**	**343.92**	**1.21**
12.50	**3.15**	**344.22**	**3.15**
13.00	1.01	343.88	1.01
13.50	0.60	343.78	0.60
14.00	0.49	343.75	0.49
14.50	0.42	343.73	0.42
15.00	0.37	343.71	0.37
15.50	0.32	343.70	0.32
16.00	0.27	343.68	0.27
16.50	0.23	343.66	0.23
17.00	0.21	343.65	0.21
17.50	0.19	343.64	0.19
18.00	0.16	343.63	0.16
18.50	0.15	343.62	0.15
19.00	0.14	343.62	0.14
19.50	0.13	343.62	0.13
20.00	0.13	343.61	0.13
20.50	0.12	343.61	0.12
21.00	0.12	343.61	0.12
21.50	0.11	343.60	0.11
22.00	0.11	343.60	0.11
22.50	0.10	343.60	0.10
23.00	0.09	343.59	0.09
23.50	0.09	343.59	0.09
24.00	0.08	343.59	0.08

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

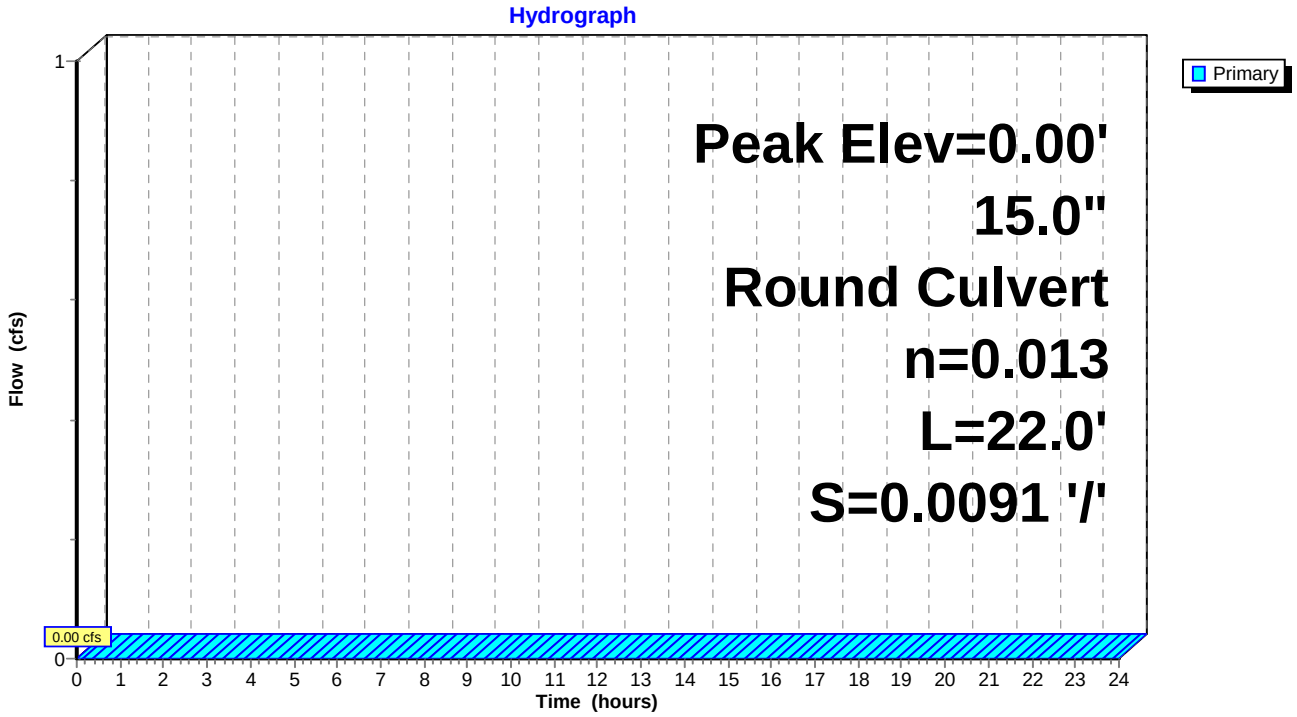
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

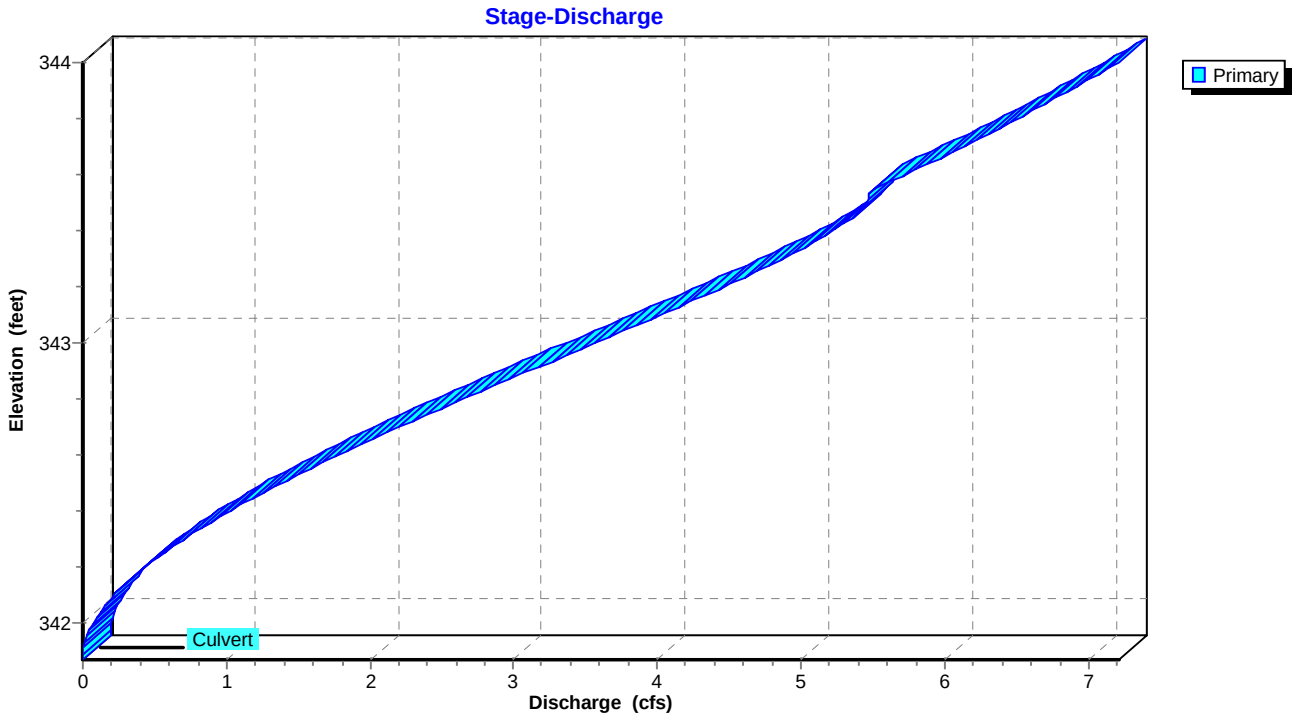
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

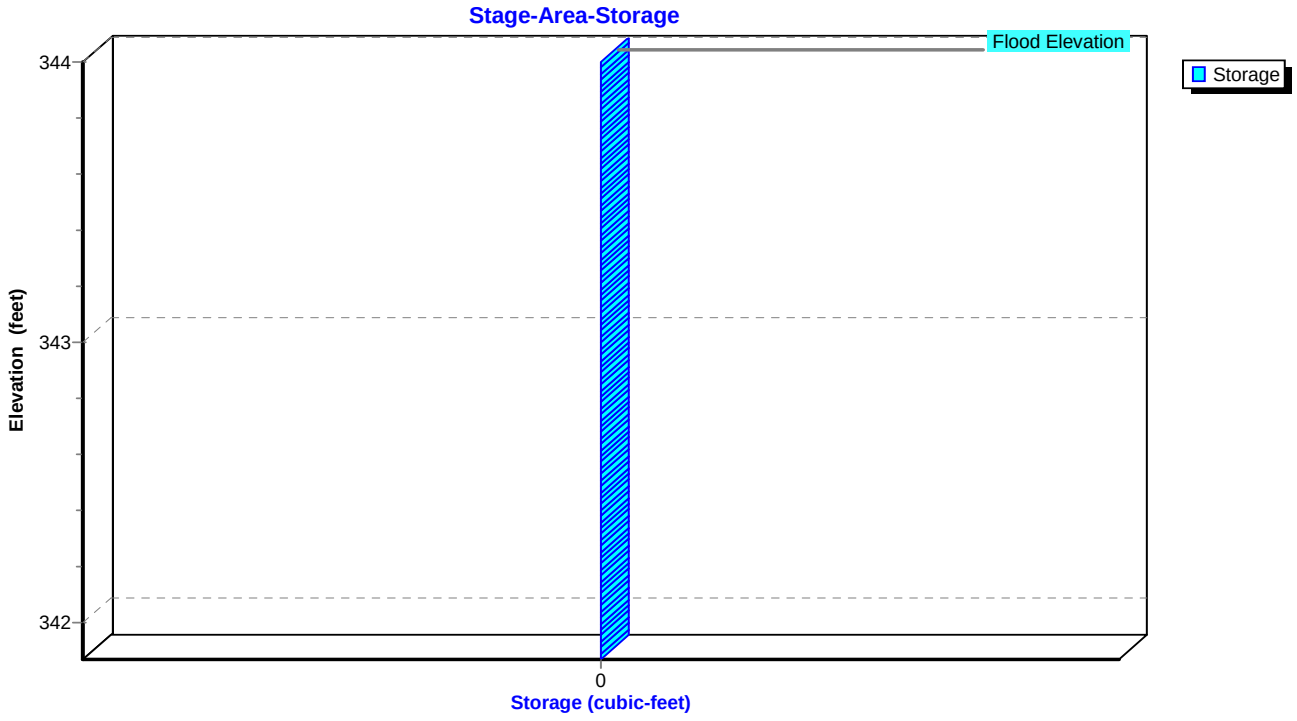
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

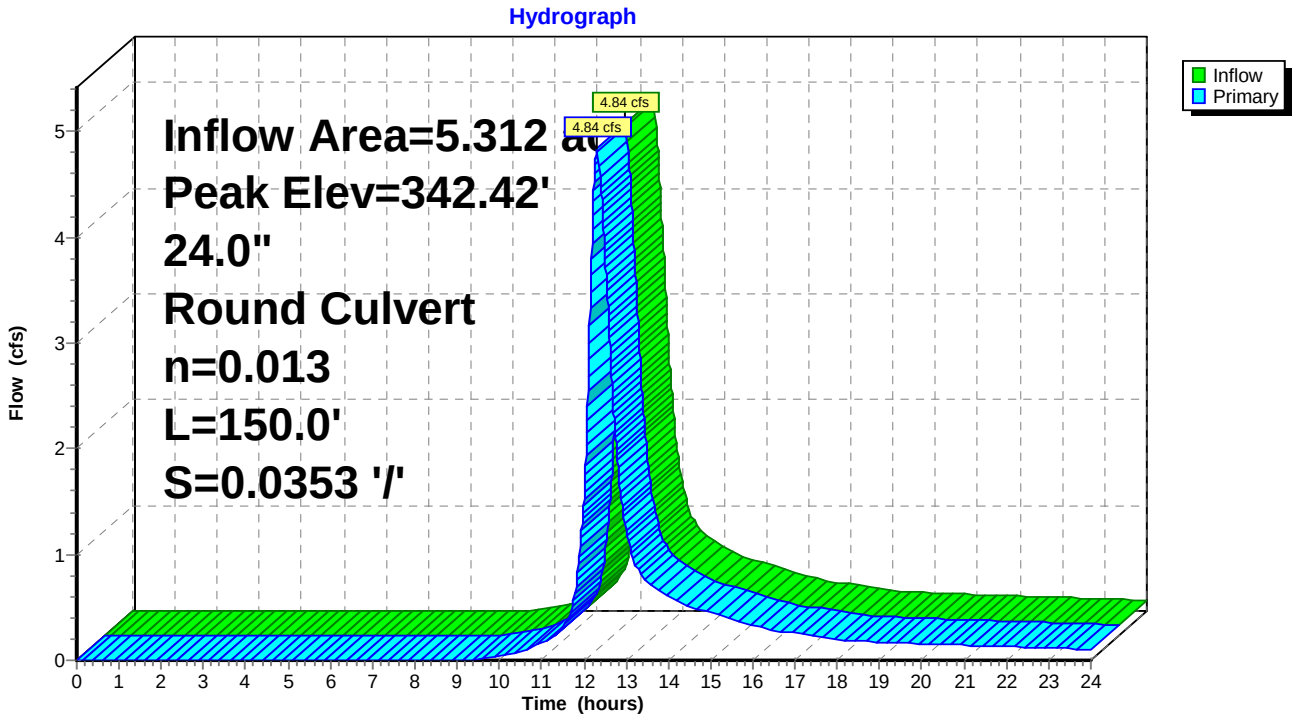
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.24" for 1-Year event
Inflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af
Outflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af, Atten= 0%, Lag= 0.0 min
Primary = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.42' @ 12.31 hrs
Flood Elev= 345.00'

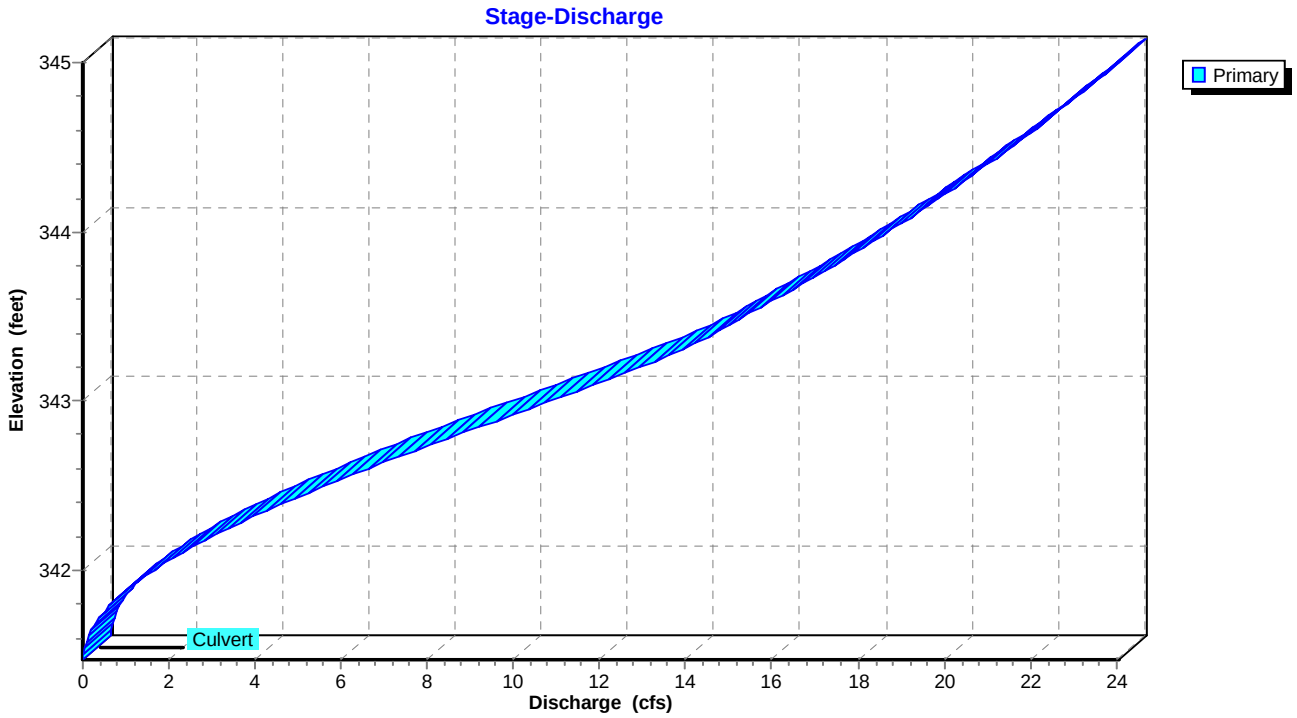
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.84 cfs @ 12.31 hrs HW=342.42' TW=336.10' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.84 cfs @ 3.31 fps)

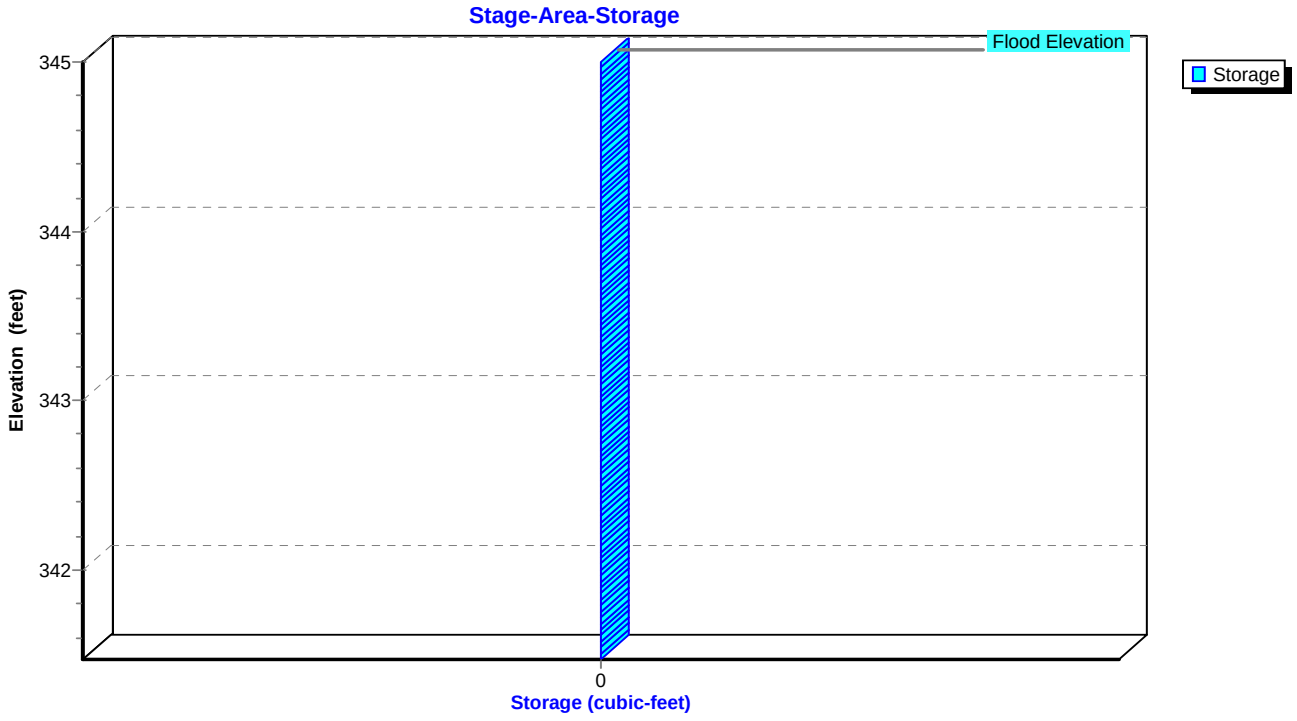
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.47	0.00
7.50	0.00	341.47	0.00
8.00	0.00	341.47	0.00
8.50	0.00	341.47	0.00
9.00	0.00	341.48	0.00
9.50	0.01	341.51	0.01
10.00	0.03	341.54	0.03
10.50	0.08	341.59	0.08
11.00	0.16	341.63	0.16
11.50	0.32	341.70	0.32
12.00	**1.53**	**341.98**	**1.53**
12.50	**3.86**	**342.30**	**3.86**
13.00	1.23	341.92	1.23
13.50	0.74	341.82	0.74
14.00	0.60	341.78	0.60
14.50	0.51	341.76	0.51
15.00	0.45	341.74	0.45
15.50	0.39	341.72	0.39
16.00	0.33	341.70	0.33
16.50	0.28	341.68	0.28
17.00	0.25	341.67	0.25
17.50	0.23	341.66	0.23
18.00	0.20	341.65	0.20
18.50	0.18	341.64	0.18
19.00	0.17	341.63	0.17
19.50	0.16	341.63	0.16
20.00	0.15	341.63	0.15
20.50	0.15	341.62	0.15
21.00	0.14	341.62	0.14
21.50	0.13	341.62	0.13
22.00	0.13	341.61	0.13
22.50	0.12	341.61	0.12
23.00	0.12	341.61	0.12
23.50	0.11	341.60	0.11
24.00	0.10	341.60	0.10

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.47	**0**	344.02	0
341.52	0	344.07	0
341.57	0	344.12	0
341.62	0	344.17	0
341.67	0	344.22	0
341.72	0	344.27	0
341.77	0	344.32	0
341.82	0	344.37	0
341.87	0	344.42	0
341.92	0	344.47	0
341.97	0	344.52	0
342.02	0	344.57	0
342.07	0	344.62	0
342.12	0	344.67	0
342.17	0	344.72	0
342.22	0	344.77	0
342.27	0	344.82	0
342.32	0	344.87	0
342.37	0	344.92	0
342.42	0	344.97	0
342.47	0		
342.52	0		
342.57	0		
342.62	0		
342.67	0		
342.72	0		
342.77	0		
342.82	0		
342.87	0		
342.92	0		
342.97	0		
343.02	0		
343.07	0		
343.12	0		
343.17	0		
343.22	0		
343.27	0		
343.32	0		
343.37	0		
343.42	0		
343.47	0		
343.52	0		
343.57	0		
343.62	0		
343.67	0		
343.72	0		
343.77	0		
343.82	0		
343.87	0		
343.92	0		
343.97	0		

Summary for Pond CB4: Catchbasin

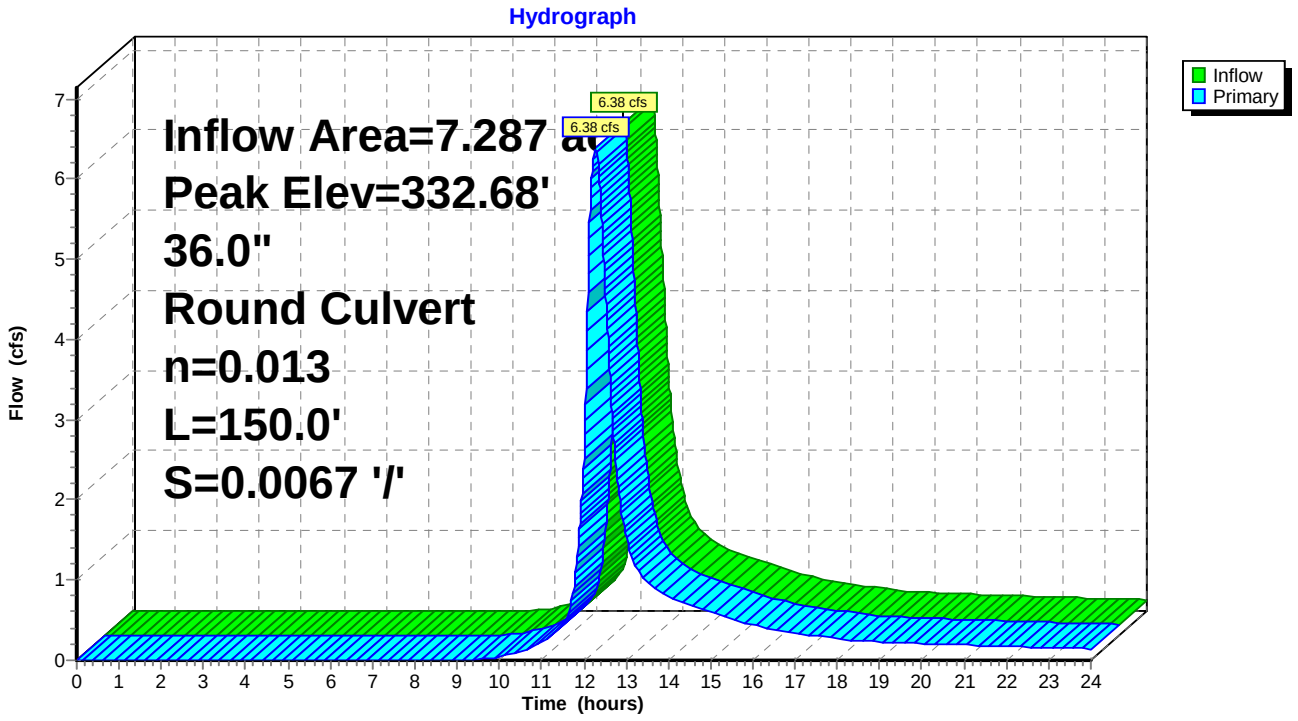
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.68' @ 12.27 hrs
Flood Elev= 337.75'

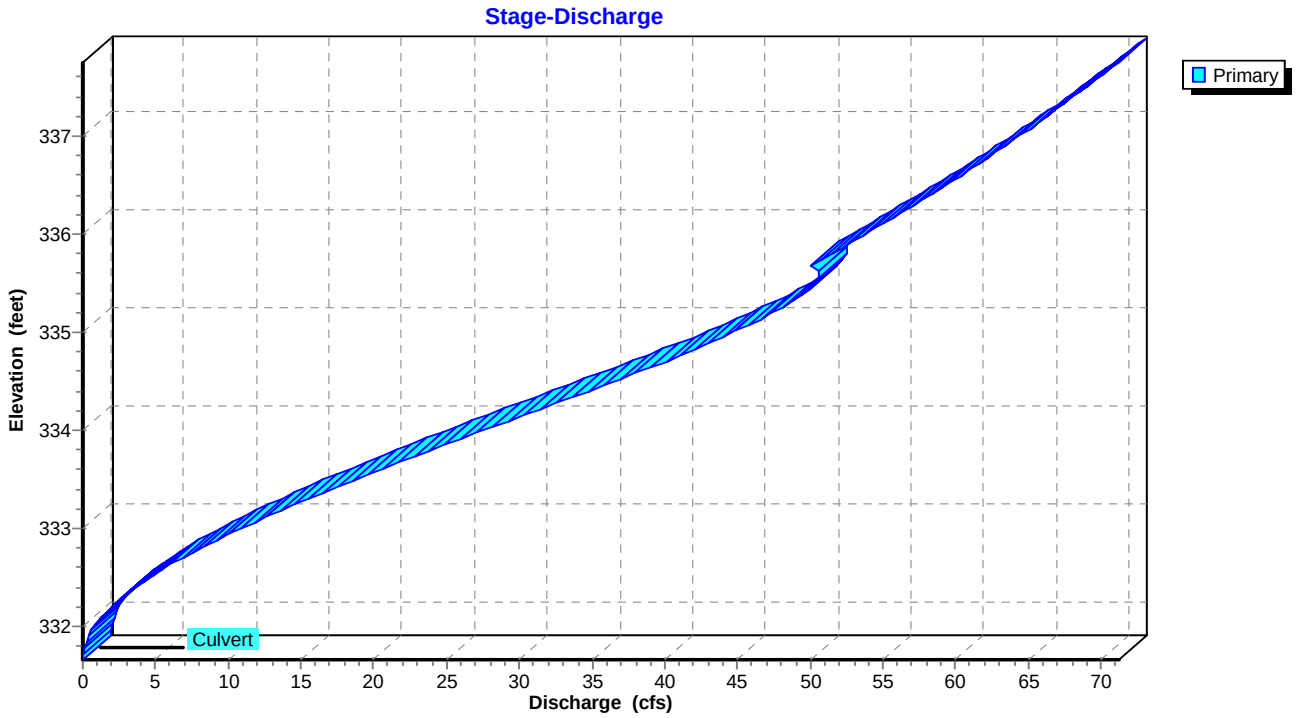
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=332.67' TW=331.47' (Dynamic Tailwater)
1=Culvert (Outlet Controls 6.38 cfs @ 4.58 fps)

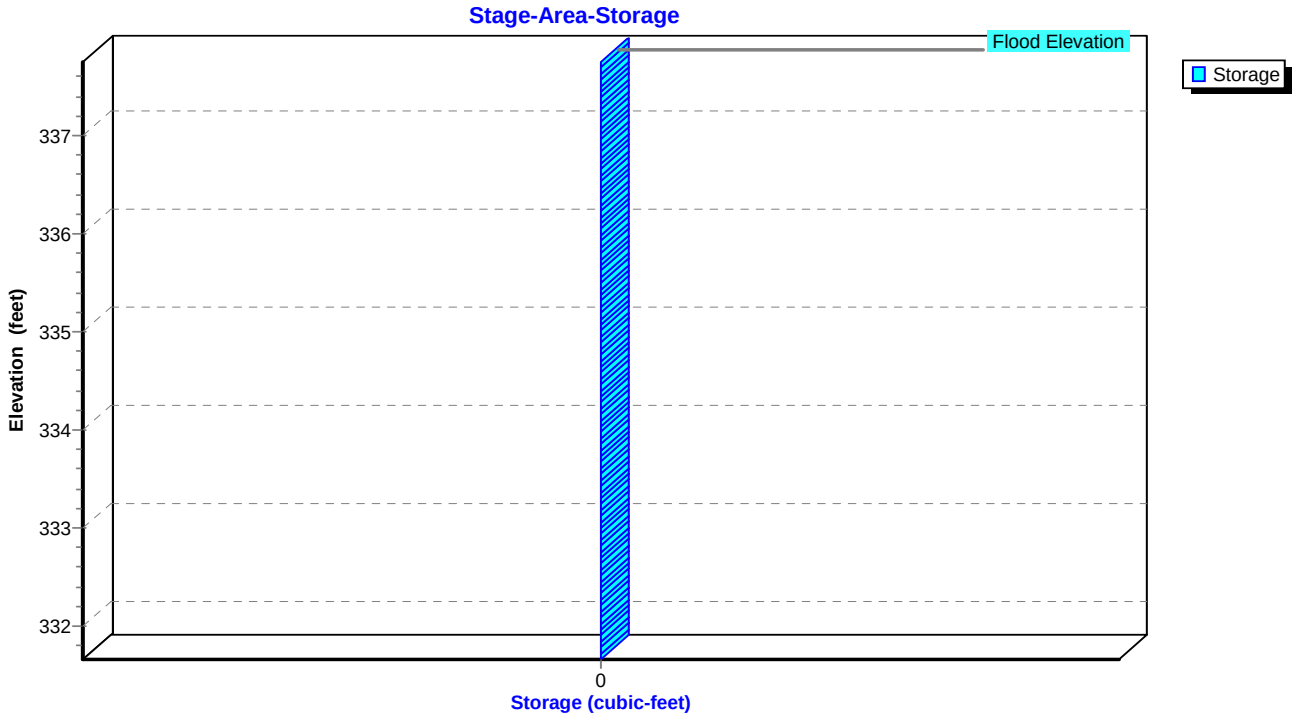
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.67	0.00
7.50	0.00	331.67	0.00
8.00	0.00	331.67	0.00
8.50	0.00	331.67	0.00
9.00	0.00	331.68	0.00
9.50	0.01	331.71	0.01
10.00	0.04	331.76	0.04
10.50	0.11	331.81	0.11
11.00	0.22	331.86	0.22
11.50	0.45	331.93	0.45
12.00	**2.51**	**332.28**	**2.51**
12.50	**4.74**	**332.52**	**4.74**
13.00	1.55	332.15	1.55
13.50	0.98	332.05	0.98
14.00	0.80	332.02	0.80
14.50	0.68	331.99	0.68
15.00	0.60	331.97	0.60
15.50	0.52	331.95	0.52
16.00	0.44	331.93	0.44
16.50	0.38	331.91	0.38
17.00	0.34	331.90	0.34
17.50	0.30	331.89	0.30
18.00	0.27	331.87	0.27
18.50	0.24	331.86	0.24
19.00	0.23	331.86	0.23
19.50	0.22	331.86	0.22
20.00	0.21	331.85	0.21
20.50	0.20	331.85	0.20
21.00	0.19	331.84	0.19
21.50	0.18	331.84	0.18
22.00	0.17	331.84	0.17
22.50	0.16	331.83	0.16
23.00	0.16	331.83	0.16
23.50	0.15	331.82	0.15
24.00	0.14	331.82	0.14

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

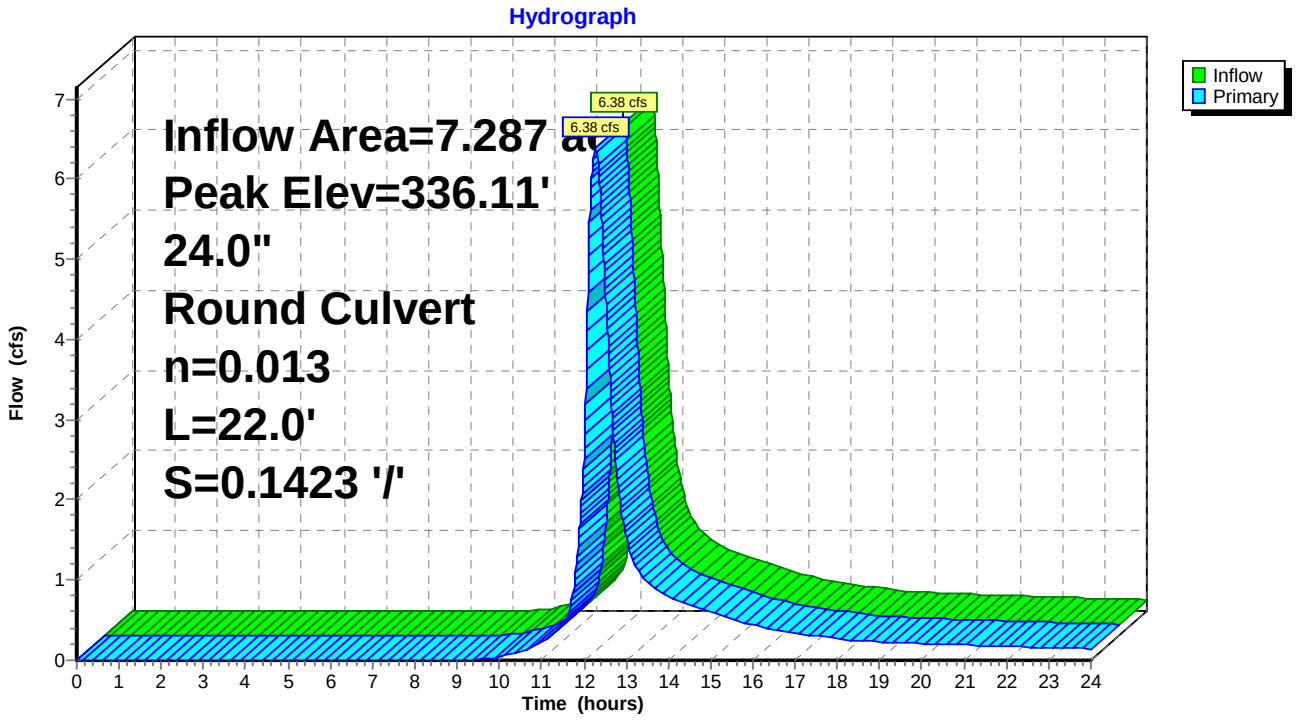
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.11' @ 12.27 hrs
Flood Elev= 339.50'

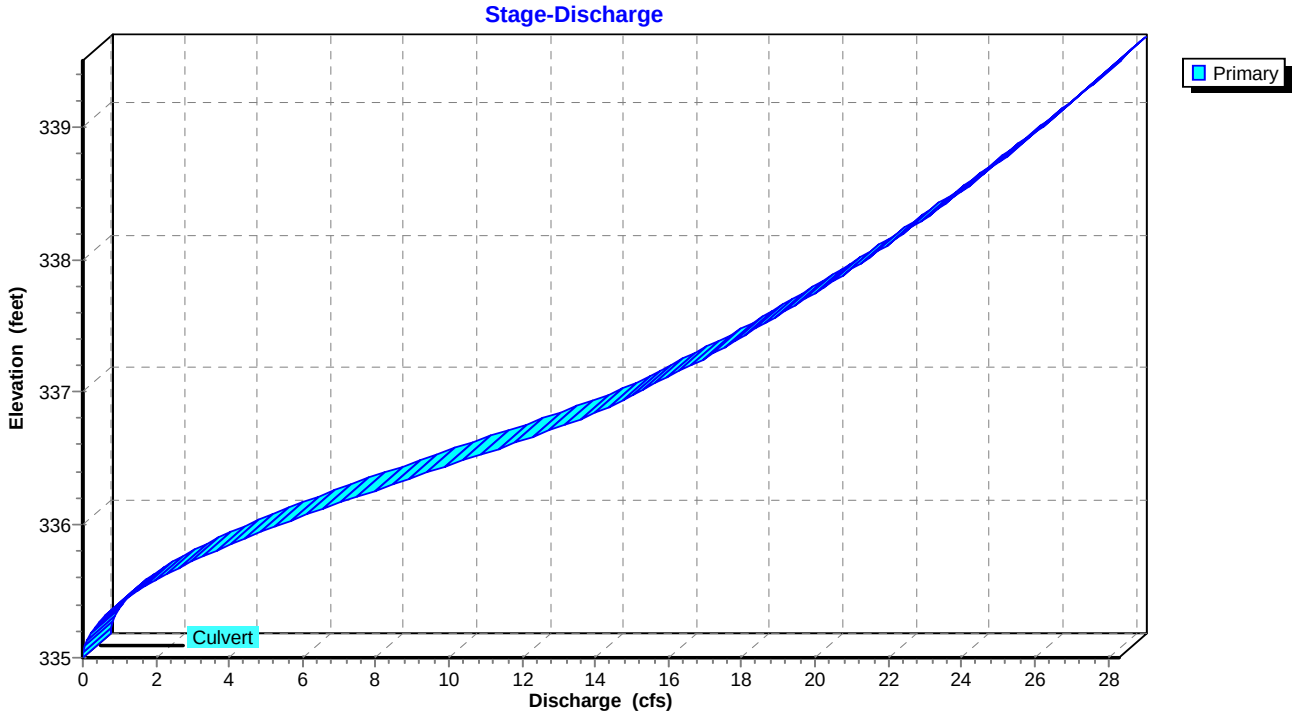
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=336.11' TW=332.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.38 cfs @ 3.58 fps)

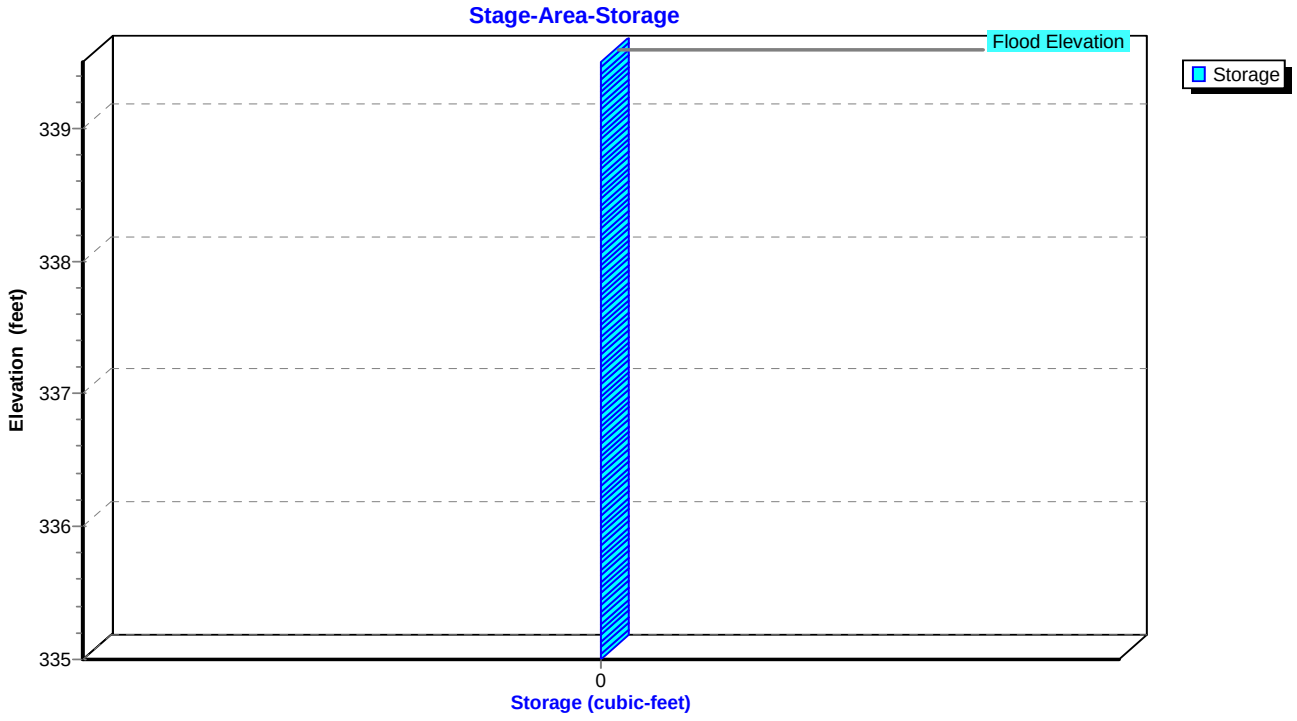
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.00	0.00
7.50	0.00	335.00	0.00
8.00	0.00	335.00	0.00
8.50	0.00	335.00	0.00
9.00	0.00	335.01	0.00
9.50	0.01	335.04	0.01
10.00	0.04	335.08	0.04
10.50	0.11	335.13	0.11
11.00	0.22	335.19	0.22
11.50	0.45	335.27	0.45
12.00	**2.51**	**335.66**	**2.51**
12.50	**4.74**	**335.94**	**4.74**
13.00	1.55	335.51	1.55
13.50	0.98	335.40	0.98
14.00	0.80	335.36	0.80
14.50	0.68	335.33	0.68
15.00	0.60	335.31	0.60
15.50	0.52	335.29	0.52
16.00	0.44	335.27	0.44
16.50	0.38	335.25	0.38
17.00	0.34	335.23	0.34
17.50	0.30	335.22	0.30
18.00	0.27	335.21	0.27
18.50	0.24	335.20	0.24
19.00	0.23	335.19	0.23
19.50	0.22	335.19	0.22
20.00	0.21	335.18	0.21
20.50	0.20	335.18	0.20
21.00	0.19	335.17	0.19
21.50	0.18	335.17	0.18
22.00	0.17	335.17	0.17
22.50	0.16	335.16	0.16
23.00	0.16	335.16	0.16
23.50	0.15	335.15	0.15
24.00	0.14	335.15	0.14

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

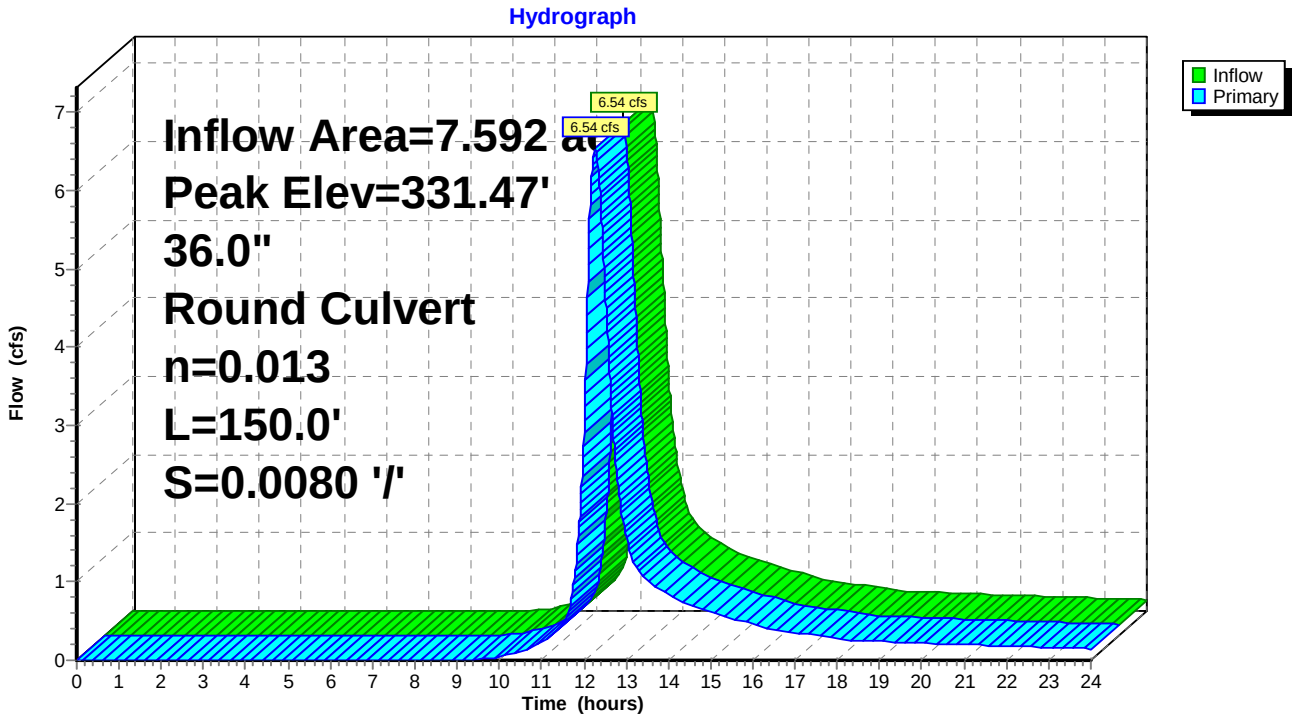
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 1.21" for 1-Year event
Inflow = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af
Outflow = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af, Atten= 0%, Lag= 0.0 min
Primary = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.47' @ 12.26 hrs
Flood Elev= 335.00'

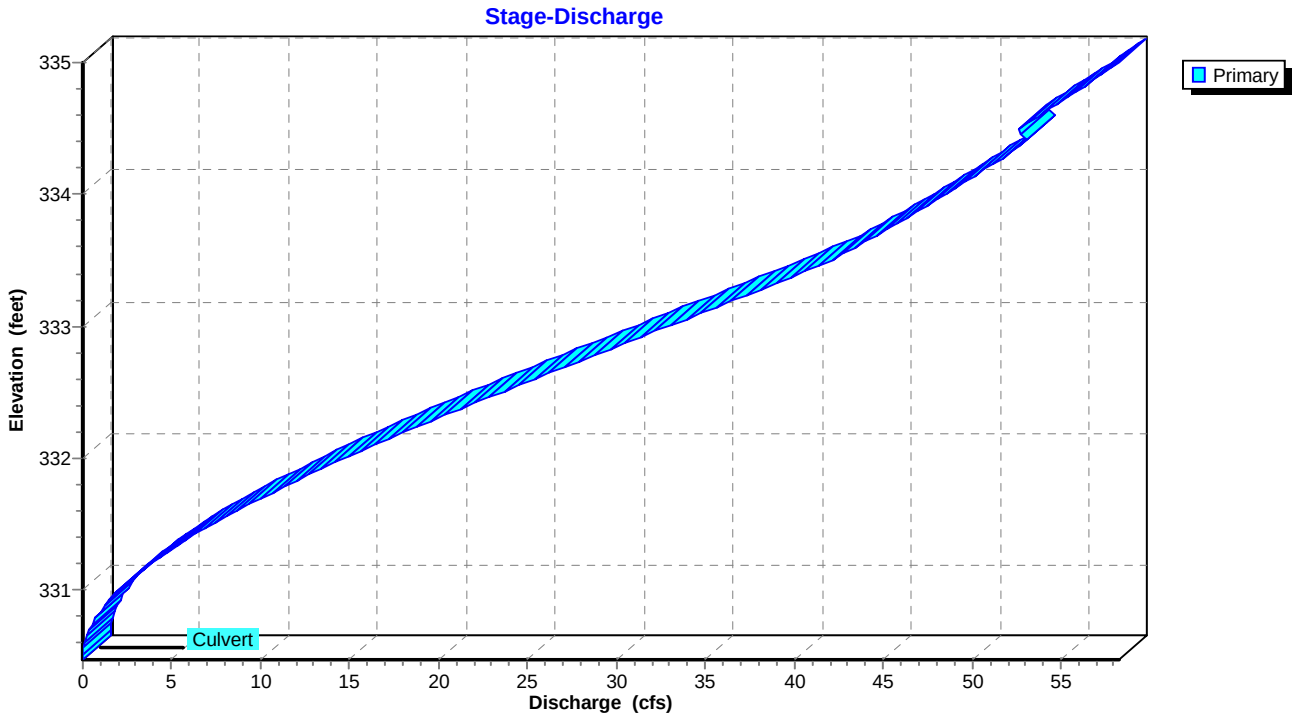
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.54 cfs @ 12.27 hrs HW=331.47' TW=330.16' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.54 cfs @ 4.76 fps)

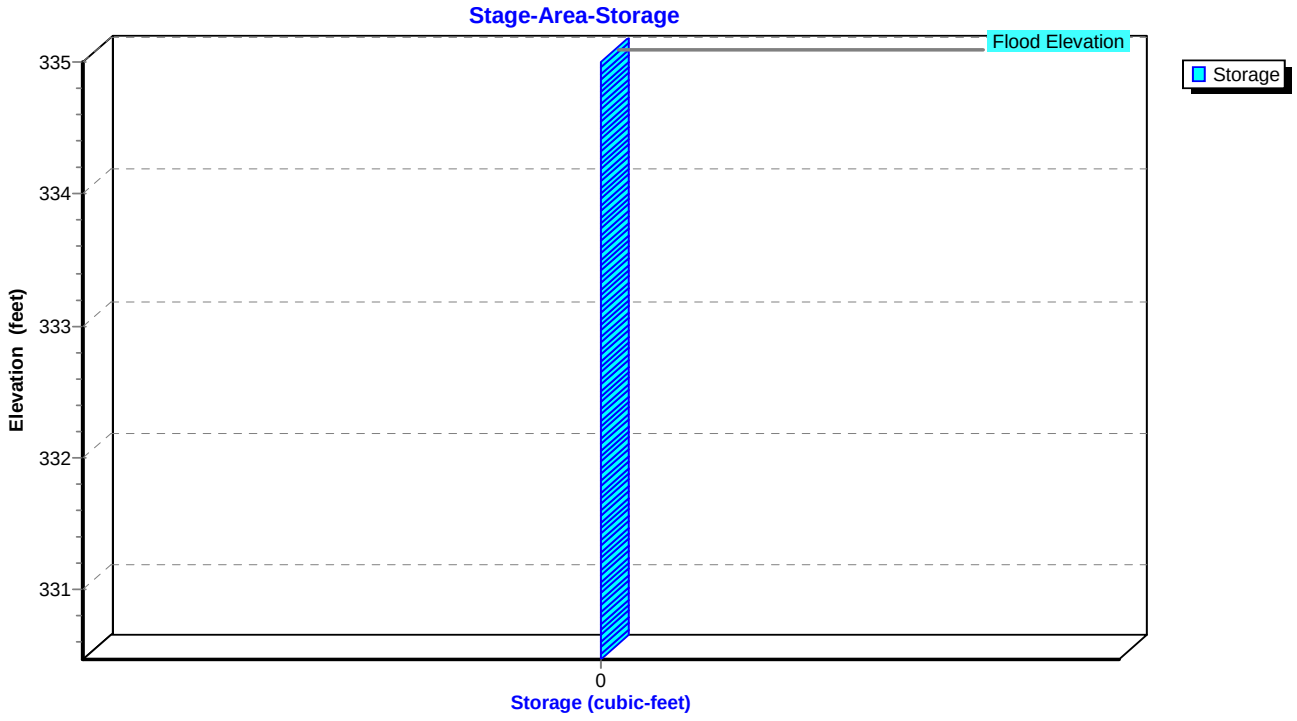
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.47	0.00
7.50	0.00	330.47	0.00
8.00	0.00	330.47	0.00
8.50	0.00	330.47	0.00
9.00	0.00	330.48	0.00
9.50	0.01	330.51	0.01
10.00	0.04	330.55	0.04
10.50	0.12	330.60	0.12
11.00	0.23	330.65	0.23
11.50	0.47	330.73	0.47
12.00	**2.90**	**331.10**	**2.90**
12.50	**4.81**	**331.30**	**4.81**
13.00	1.58	330.93	1.58
13.50	1.01	330.84	1.01
14.00	0.83	330.81	0.83
14.50	0.70	330.78	0.70
15.00	0.62	330.76	0.62
15.50	0.54	330.74	0.54
16.00	0.45	330.72	0.45
16.50	0.39	330.71	0.39
17.00	0.35	330.69	0.35
17.50	0.32	330.68	0.32
18.00	0.28	330.67	0.28
18.50	0.25	330.66	0.25
19.00	0.24	330.66	0.24
19.50	0.23	330.65	0.23
20.00	0.22	330.65	0.22
20.50	0.21	330.64	0.21
21.00	0.20	330.64	0.20
21.50	0.19	330.64	0.19
22.00	0.18	330.63	0.18
22.50	0.17	330.63	0.17
23.00	0.16	330.62	0.16
23.50	0.15	330.62	0.15
24.00	0.14	330.62	0.14

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

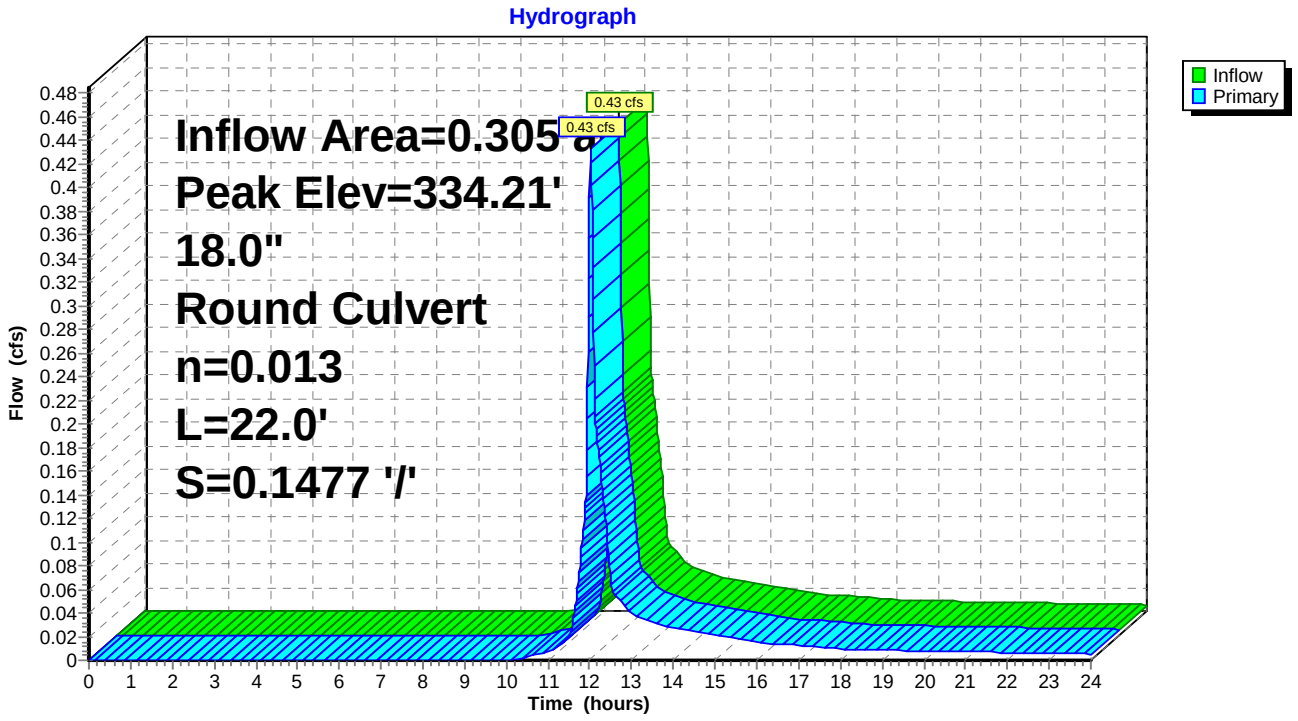
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af
Outflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.21' @ 12.02 hrs
Flood Elev= 336.50'

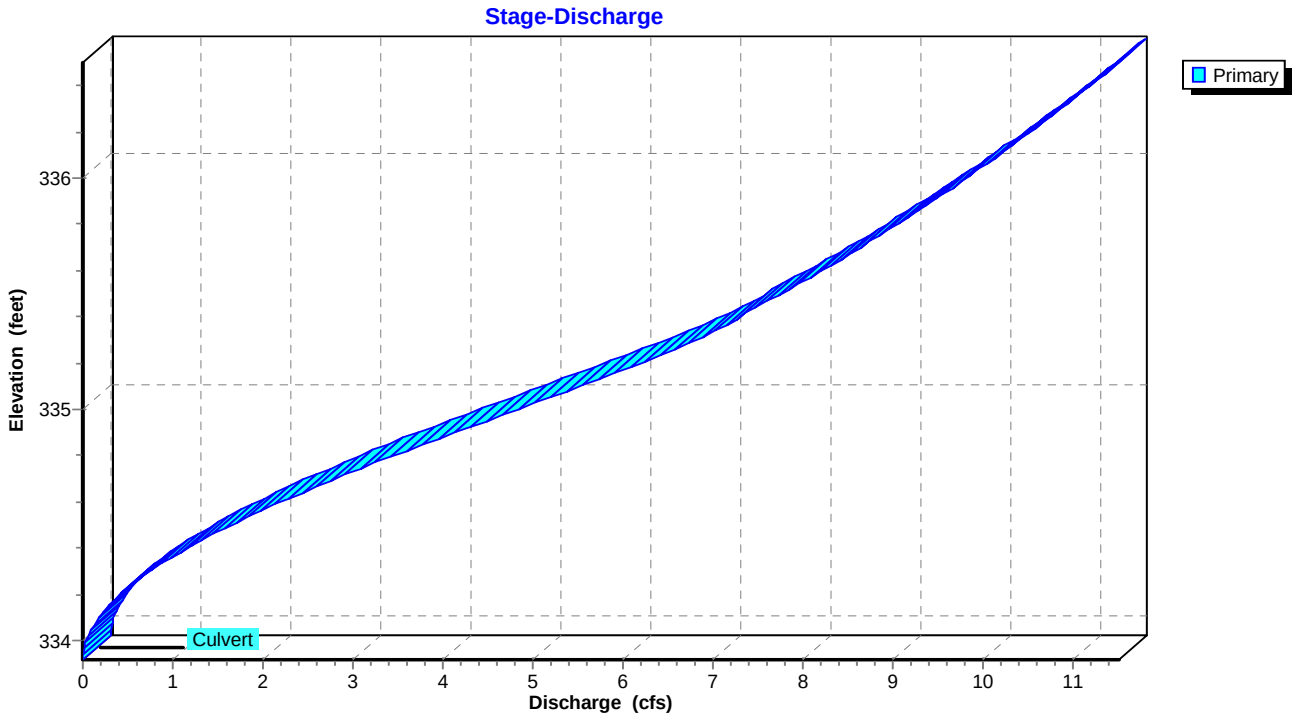
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.43 cfs @ 12.02 hrs HW=334.21' TW=331.14' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 0.43 cfs @ 1.83 fps)

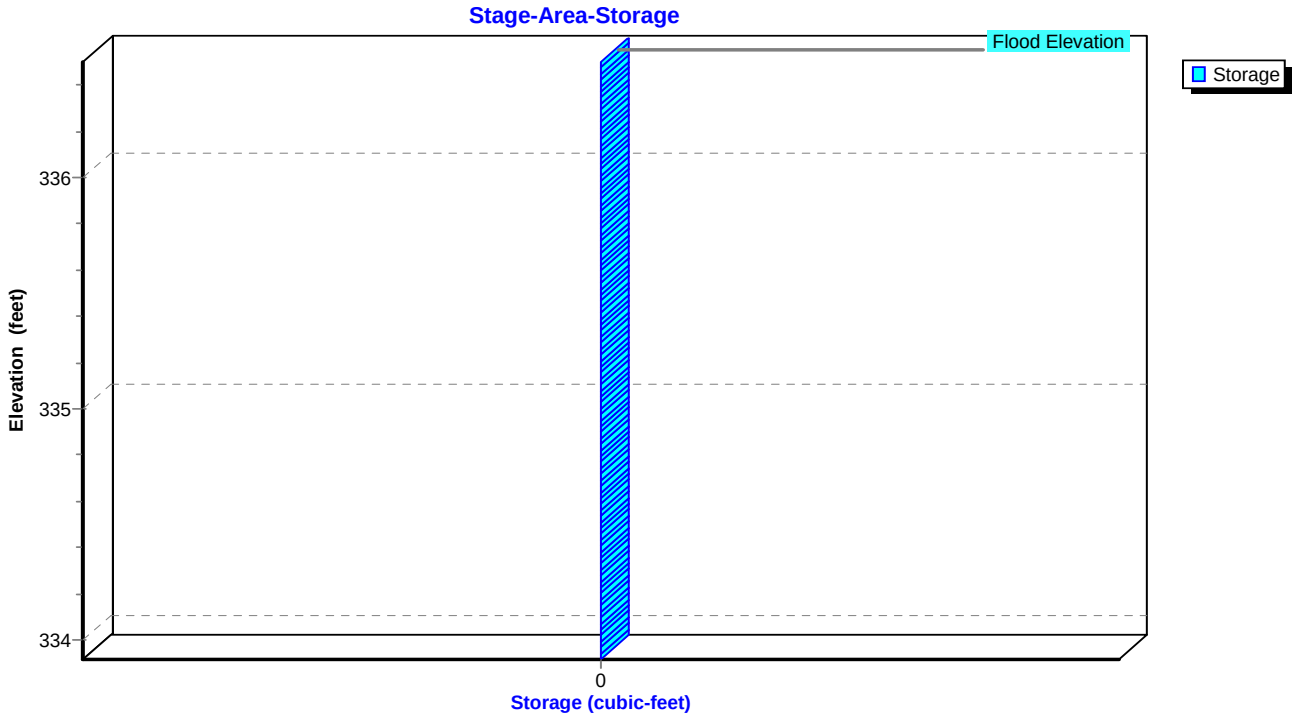
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.92	0.00
10.00	0.00	333.92	0.00
10.50	0.00	333.94	0.00
11.00	0.01	333.96	0.01
11.50	0.02	333.98	0.02
12.00	**0.39**	**334.19**	**0.39**
12.50	**0.07**	**334.03**	**0.07**
13.00	0.04	334.00	0.04
13.50	0.03	334.00	0.03
14.00	0.03	333.99	0.03
14.50	0.02	333.99	0.02
15.00	0.02	333.98	0.02
15.50	0.02	333.98	0.02
16.00	0.02	333.97	0.02
16.50	0.01	333.97	0.01
17.00	0.01	333.97	0.01
17.50	0.01	333.96	0.01
18.00	0.01	333.96	0.01
18.50	0.01	333.96	0.01
19.00	0.01	333.96	0.01
19.50	0.01	333.96	0.01
20.00	0.01	333.96	0.01
20.50	0.01	333.96	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.95	0.01
22.50	0.01	333.95	0.01
23.00	0.01	333.95	0.01
23.50	0.01	333.95	0.01
24.00	0.01	333.95	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

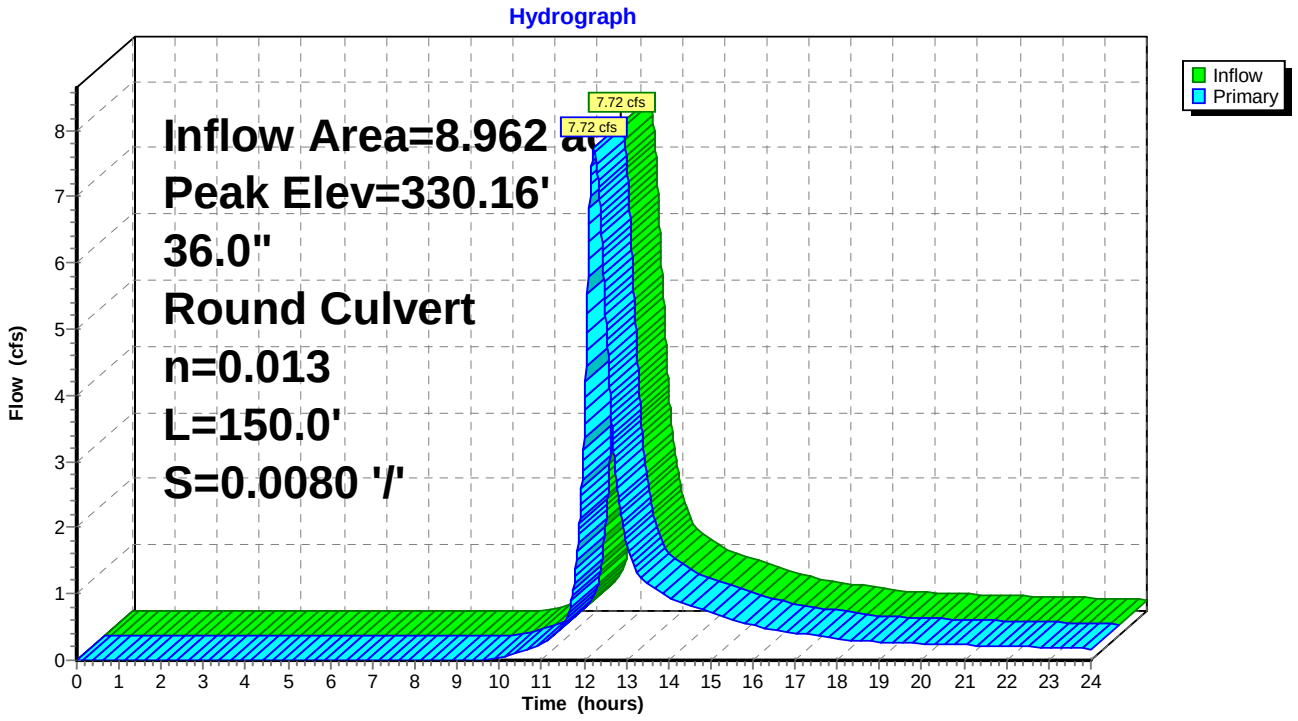
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.18" for 1-Year event
Inflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af
Outflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af, Atten= 0%, Lag= 0.0 min
Primary = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.16' @ 12.23 hrs
Flood Elev= 337.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

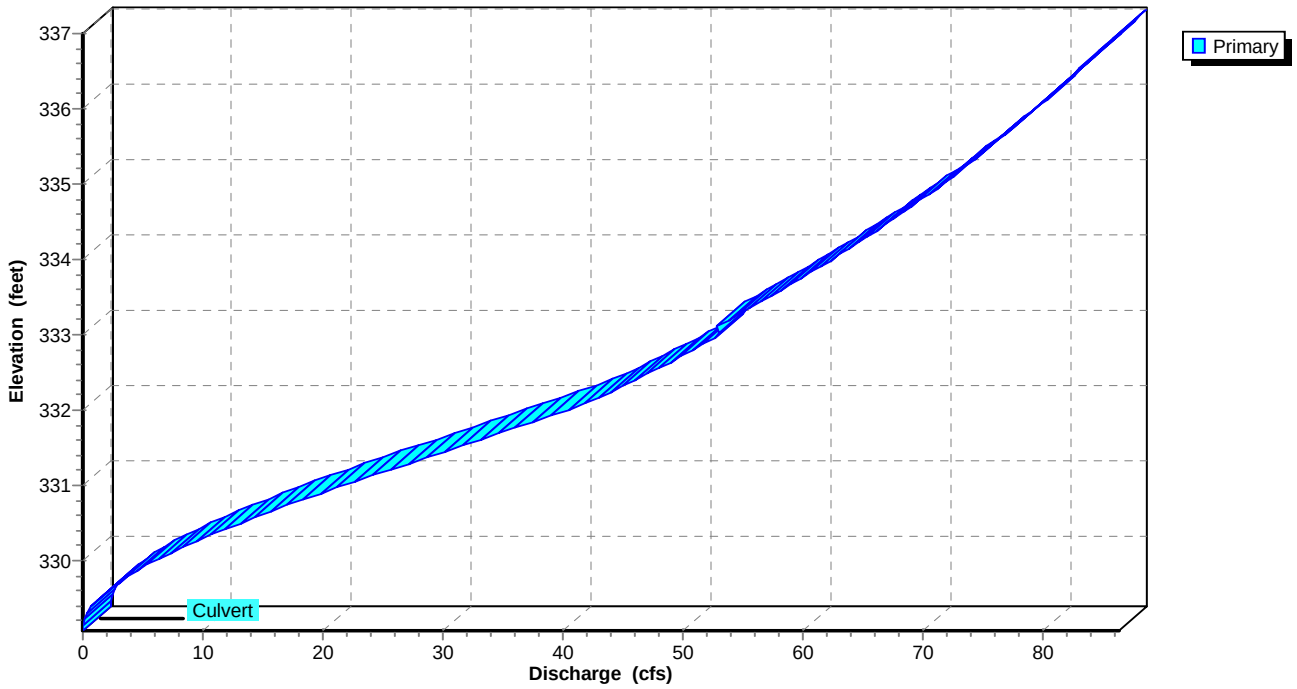
Primary OutFlow Max=7.73 cfs @ 12.23 hrs HW=330.16' TW=328.82' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 7.73 cfs @ 4.96 fps)

Pond CB6: Catchbasin



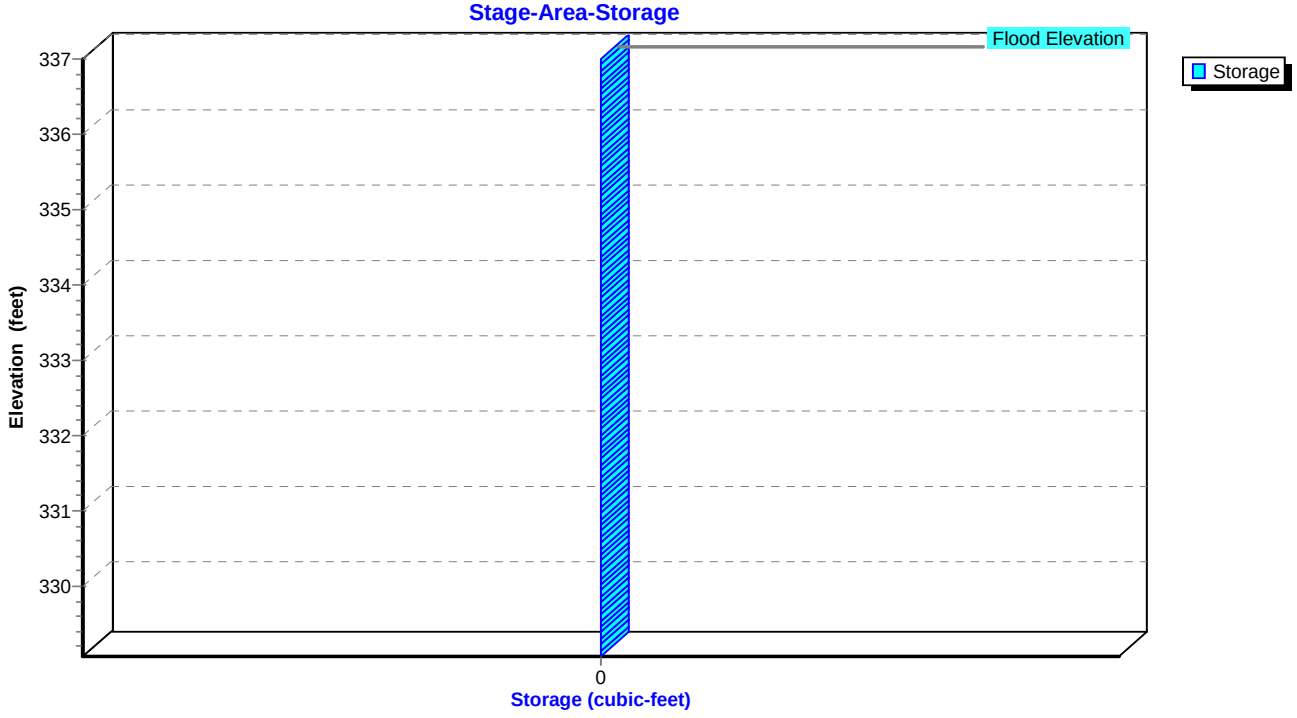
Pond CB6: Catchbasin

Stage-Discharge



Pond CB6: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.07	0.00
7.50	0.00	329.07	0.00
8.00	0.00	329.07	0.00
8.50	0.00	329.07	0.00
9.00	0.00	329.08	0.00
9.50	0.01	329.11	0.01
10.00	0.04	329.15	0.04
10.50	0.12	329.21	0.12
11.00	0.25	329.26	0.25
11.50	0.53	329.34	0.53
12.00	**3.37**	**329.75**	**3.37**
12.50	**5.46**	**329.96**	**5.46**
13.00	1.80	329.57	1.80
13.50	1.17	329.47	1.17
14.00	0.96	329.43	0.96
14.50	0.82	329.41	0.82
15.00	0.72	329.39	0.72
15.50	0.63	329.36	0.63
16.00	0.53	329.34	0.53
16.50	0.46	329.32	0.46
17.00	0.41	329.31	0.41
17.50	0.37	329.30	0.37
18.00	0.32	329.28	0.32
18.50	0.29	329.27	0.29
19.00	0.28	329.27	0.28
19.50	0.26	329.26	0.26
20.00	0.25	329.26	0.25
20.50	0.24	329.26	0.24
21.00	0.23	329.25	0.23
21.50	0.22	329.25	0.22
22.00	0.21	329.24	0.21
22.50	0.20	329.24	0.20
23.00	0.19	329.24	0.19
23.50	0.18	329.23	0.18
24.00	0.17	329.23	0.17

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

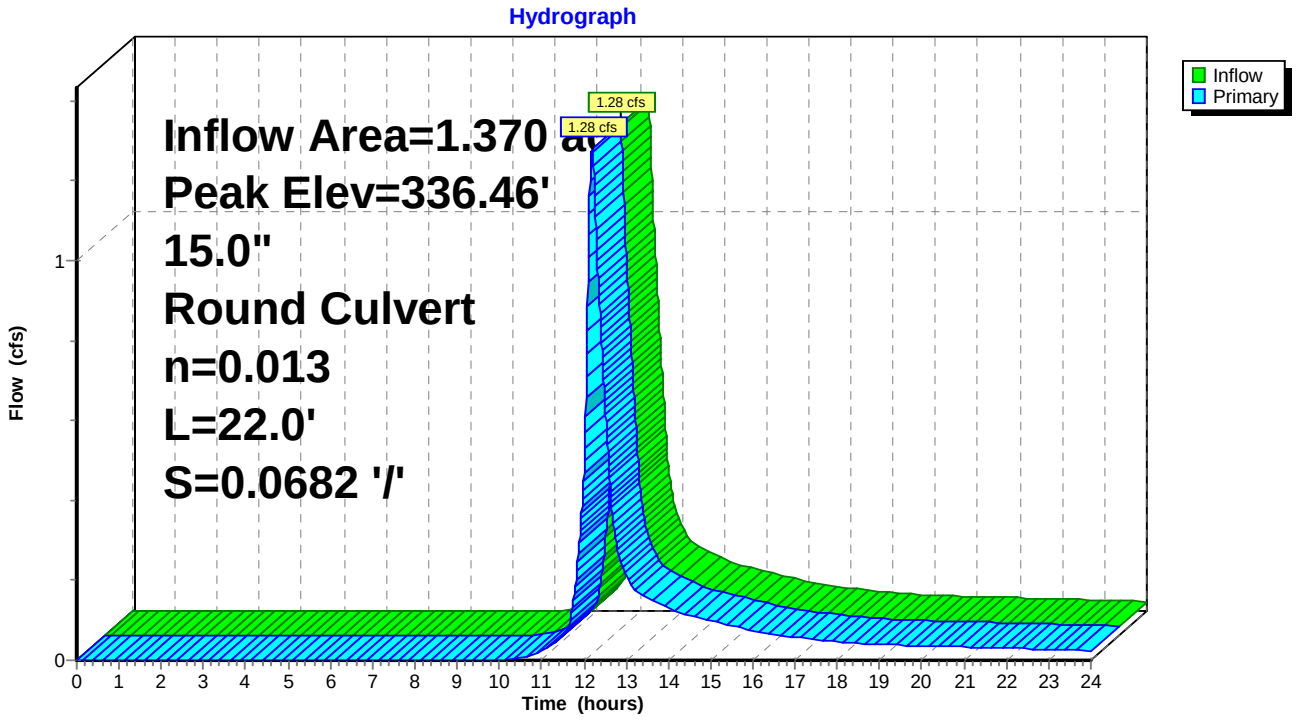
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af
Outflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.46' @ 12.19 hrs
Flood Elev= 338.50'

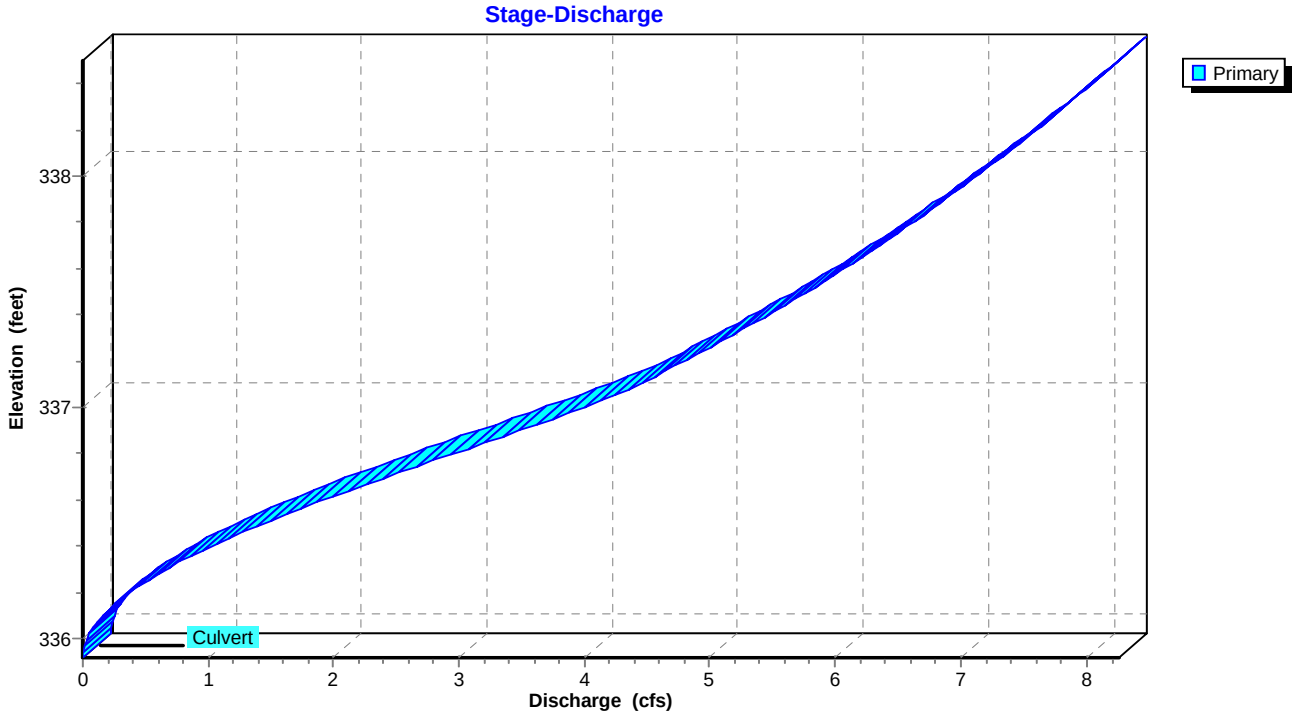
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.28 cfs @ 12.19 hrs HW=336.46' TW=330.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.28 cfs @ 2.51 fps)

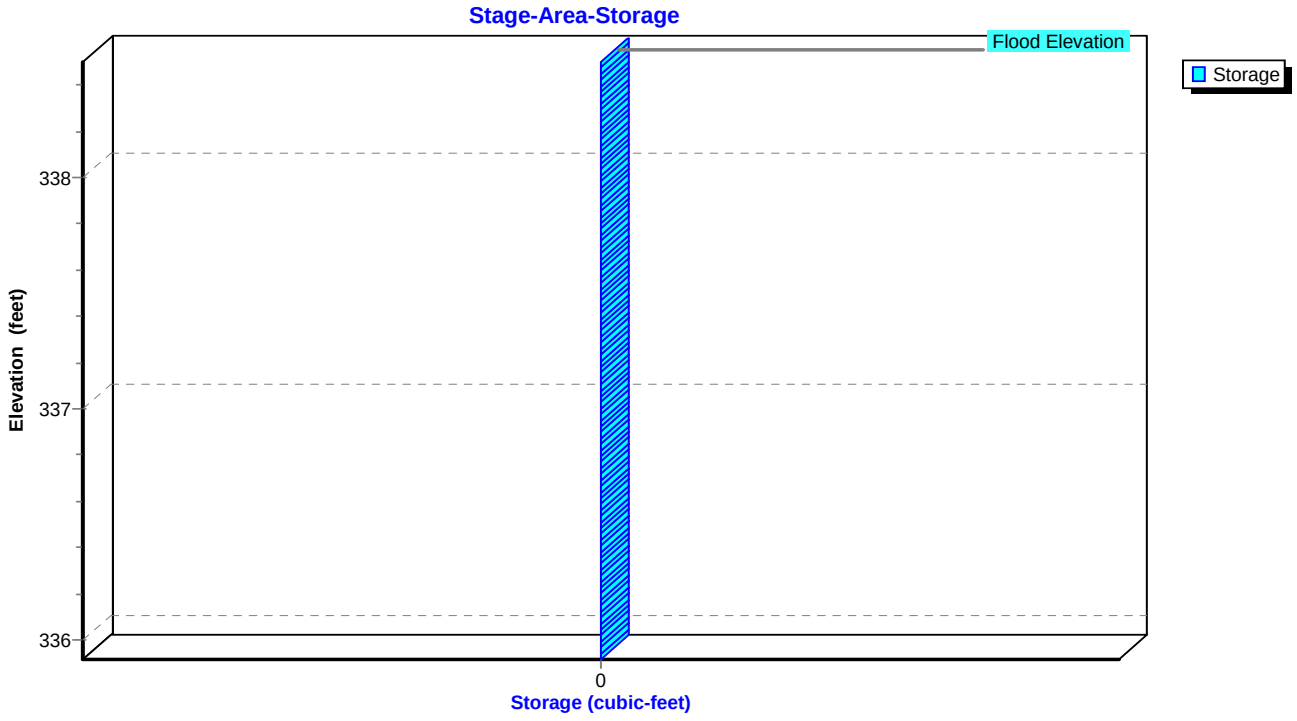
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.92	0.00
10.00	0.00	335.92	0.00
10.50	0.01	335.96	0.01
11.00	0.02	335.99	0.02
11.50	0.06	336.03	0.06
12.00	**0.47**	**336.24**	**0.47**
12.50	**0.65**	**336.30**	**0.65**
13.00	0.21	336.13	0.21
13.50	0.16	336.10	0.16
14.00	0.13	336.08	0.13
14.50	0.11	336.07	0.11
15.00	0.10	336.06	0.10
15.50	0.09	336.05	0.09
16.00	0.07	336.04	0.07
16.50	0.06	336.03	0.06
17.00	0.06	336.03	0.06
17.50	0.05	336.02	0.05
18.00	0.04	336.02	0.04
18.50	0.04	336.01	0.04
19.00	0.04	336.01	0.04
19.50	0.04	336.01	0.04
20.00	0.04	336.00	0.04
20.50	0.03	336.00	0.03
21.00	0.03	336.00	0.03
21.50	0.03	336.00	0.03
22.00	0.03	336.00	0.03
22.50	0.03	336.00	0.03
23.00	0.03	335.99	0.03
23.50	0.03	335.99	0.03
24.00	0.02	335.99	0.02

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

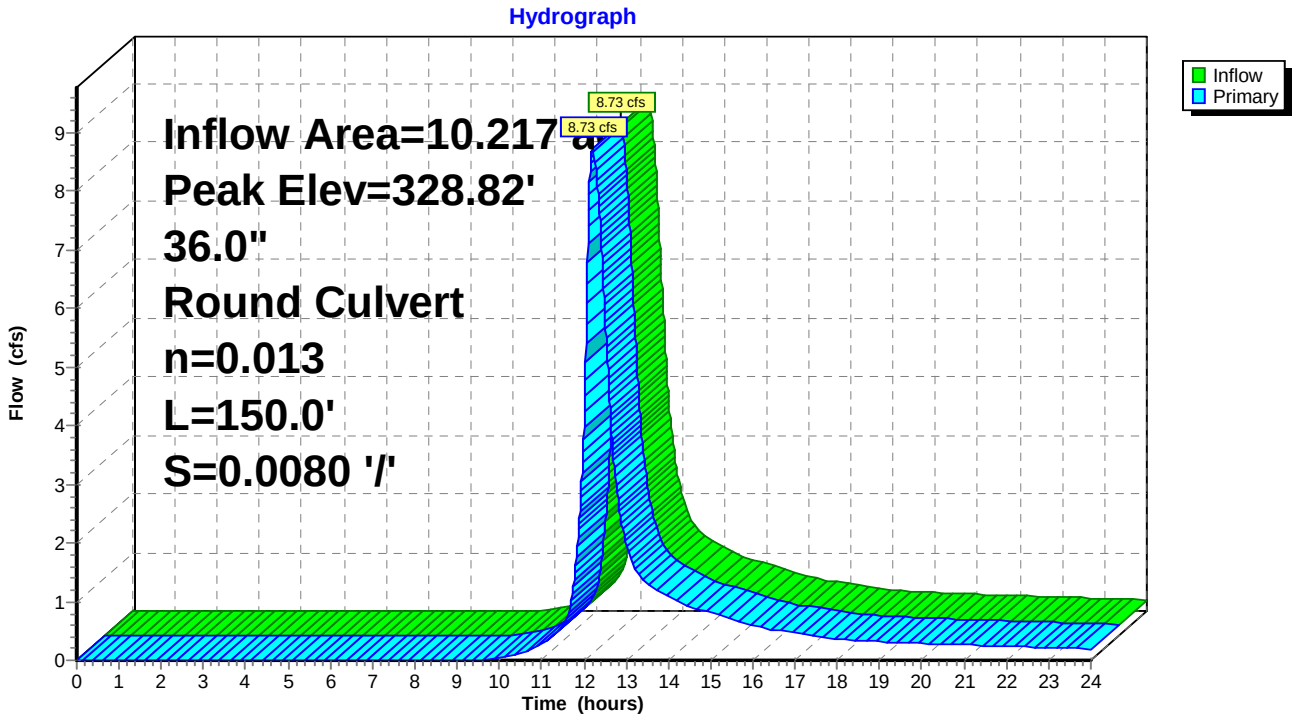
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 1.17" for 1-Year event
Inflow = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af
Outflow = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af, Atten= 0%, Lag= 0.0 min
Primary = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.82' @ 12.21 hrs
Flood Elev= 335.75'

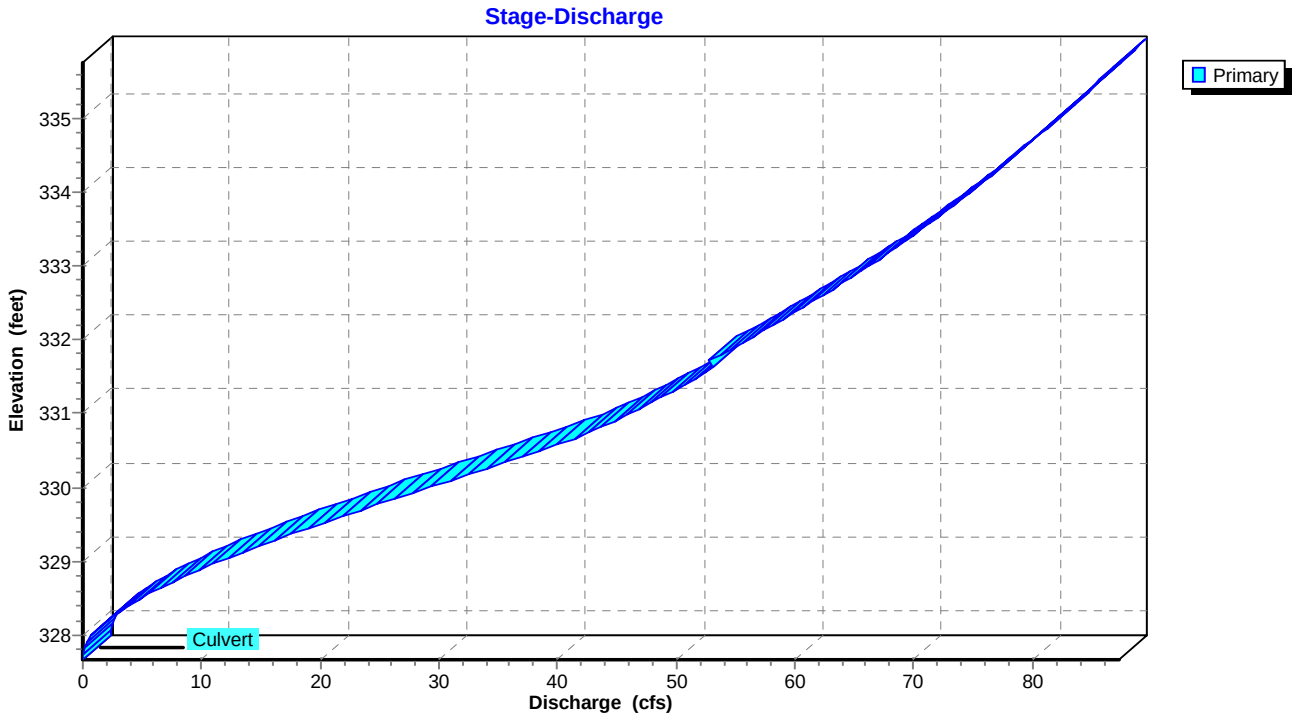
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.73 cfs @ 12.21 hrs HW=328.82' TW=327.42' (Dynamic Tailwater)
1=Culvert (Outlet Controls 8.73 cfs @ 5.17 fps)

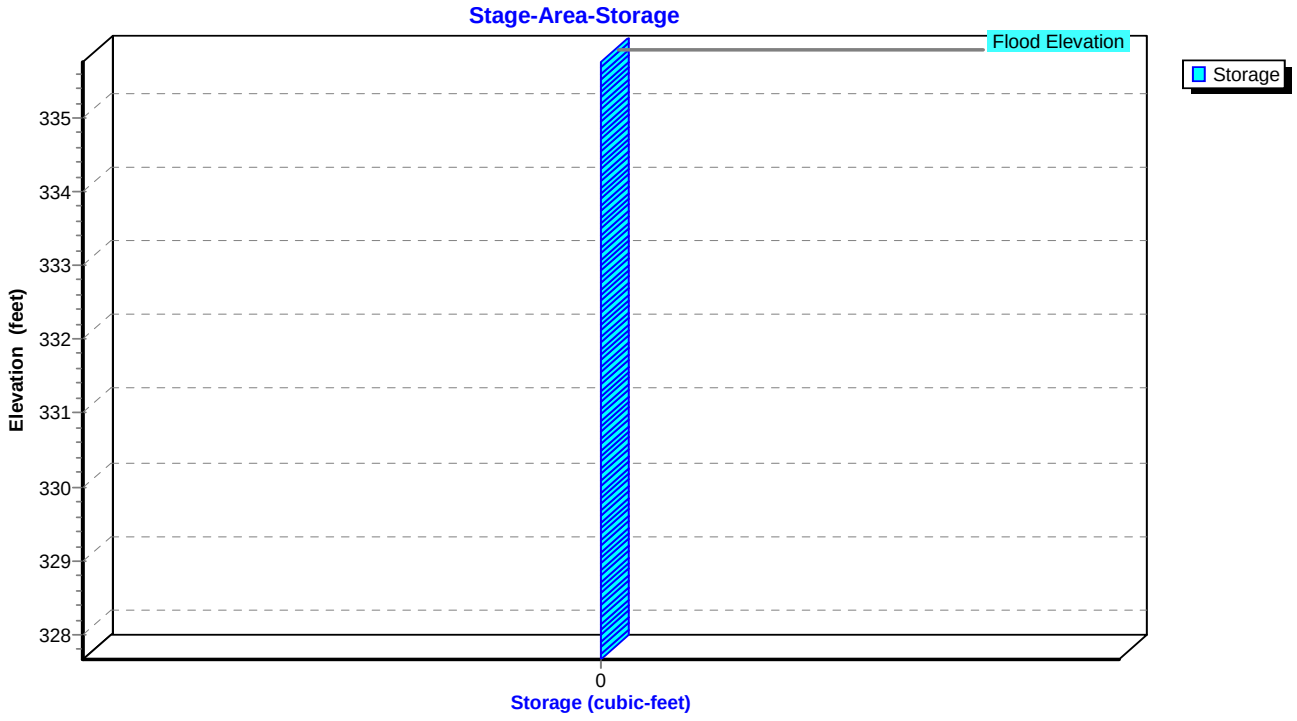
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.67	0.00
7.50	0.00	327.67	0.00
8.00	0.00	327.67	0.00
8.50	0.00	327.67	0.00
9.00	0.00	327.68	0.00
9.50	0.01	327.71	0.01
10.00	0.04	327.75	0.04
10.50	0.13	327.81	0.13
11.00	0.28	327.87	0.28
11.50	0.59	327.96	0.59
12.00	**3.99**	**328.42**	**3.99**
12.50	**5.92**	**328.60**	**5.92**
13.00	1.98	328.19	1.98
13.50	1.31	328.09	1.31
14.00	1.08	328.05	1.08
14.50	0.92	328.03	0.92
15.00	0.81	328.00	0.81
15.50	0.70	327.98	0.70
16.00	0.59	327.96	0.59
16.50	0.51	327.94	0.51
17.00	0.46	327.92	0.46
17.50	0.41	327.91	0.41
18.00	0.36	327.90	0.36
18.50	0.33	327.89	0.33
19.00	0.31	327.88	0.31
19.50	0.30	327.88	0.30
20.00	0.28	327.87	0.28
20.50	0.27	327.87	0.27
21.00	0.26	327.86	0.26
21.50	0.25	327.86	0.25
22.00	0.24	327.85	0.24
22.50	0.23	327.85	0.23
23.00	0.21	327.85	0.21
23.50	0.20	327.84	0.20
24.00	0.19	327.84	0.19

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

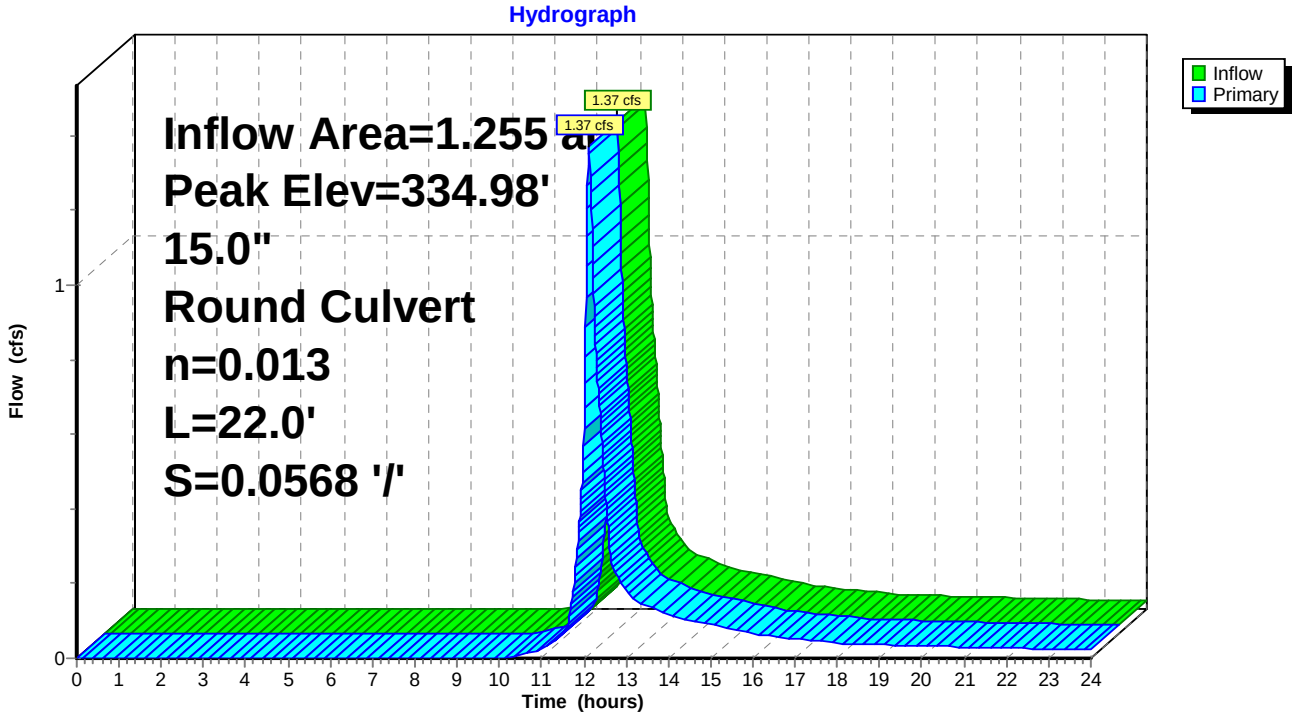
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af
Outflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.98' @ 12.13 hrs
Flood Elev= 337.00'

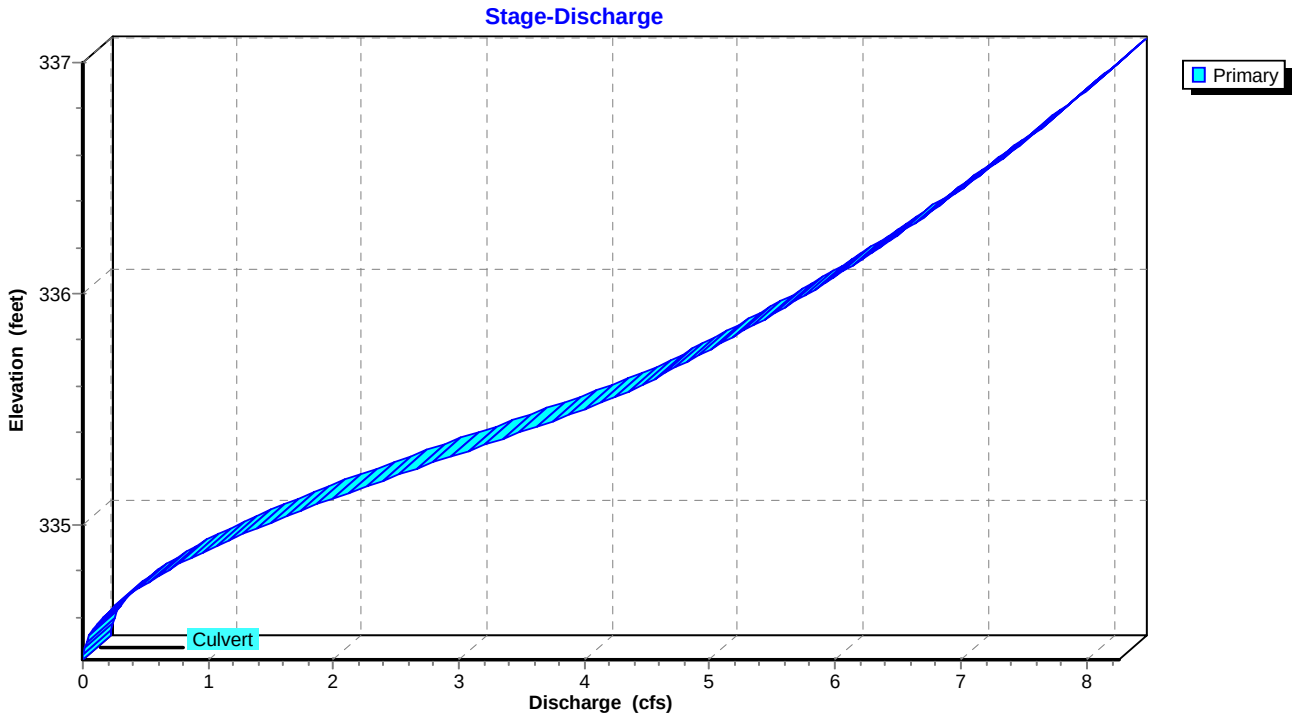
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.37 cfs @ 12.13 hrs HW=334.98' TW=328.75' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.37 cfs @ 2.55 fps)

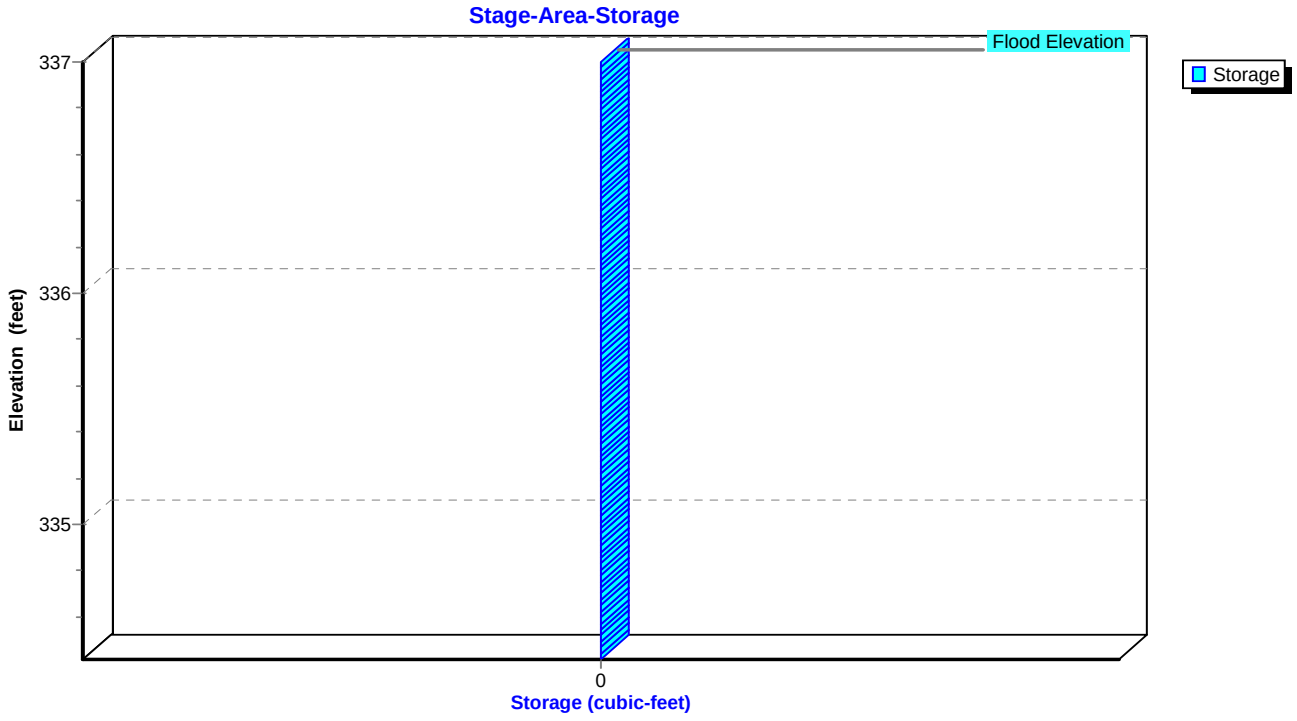
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.42	0.00
10.00	0.00	334.42	0.00
10.50	0.01	334.46	0.01
11.00	0.02	334.49	0.02
11.50	0.07	334.53	0.07
12.00	**0.62**	**334.79**	**0.62**
12.50	**0.46**	**334.74**	**0.46**
13.00	0.18	334.61	0.18
13.50	0.14	334.59	0.14
14.00	0.12	334.57	0.12
14.50	0.10	334.56	0.10
15.00	0.09	334.56	0.09
15.50	0.08	334.55	0.08
16.00	0.06	334.53	0.06
16.50	0.06	334.53	0.06
17.00	0.05	334.52	0.05
17.50	0.05	334.52	0.05
18.00	0.04	334.51	0.04
18.50	0.04	334.51	0.04
19.00	0.04	334.50	0.04
19.50	0.03	334.50	0.03
20.00	0.03	334.50	0.03
20.50	0.03	334.50	0.03
21.00	0.03	334.50	0.03
21.50	0.03	334.50	0.03
22.00	0.03	334.49	0.03
22.50	0.03	334.49	0.03
23.00	0.02	334.49	0.02
23.50	0.02	334.49	0.02
24.00	0.02	334.49	0.02

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

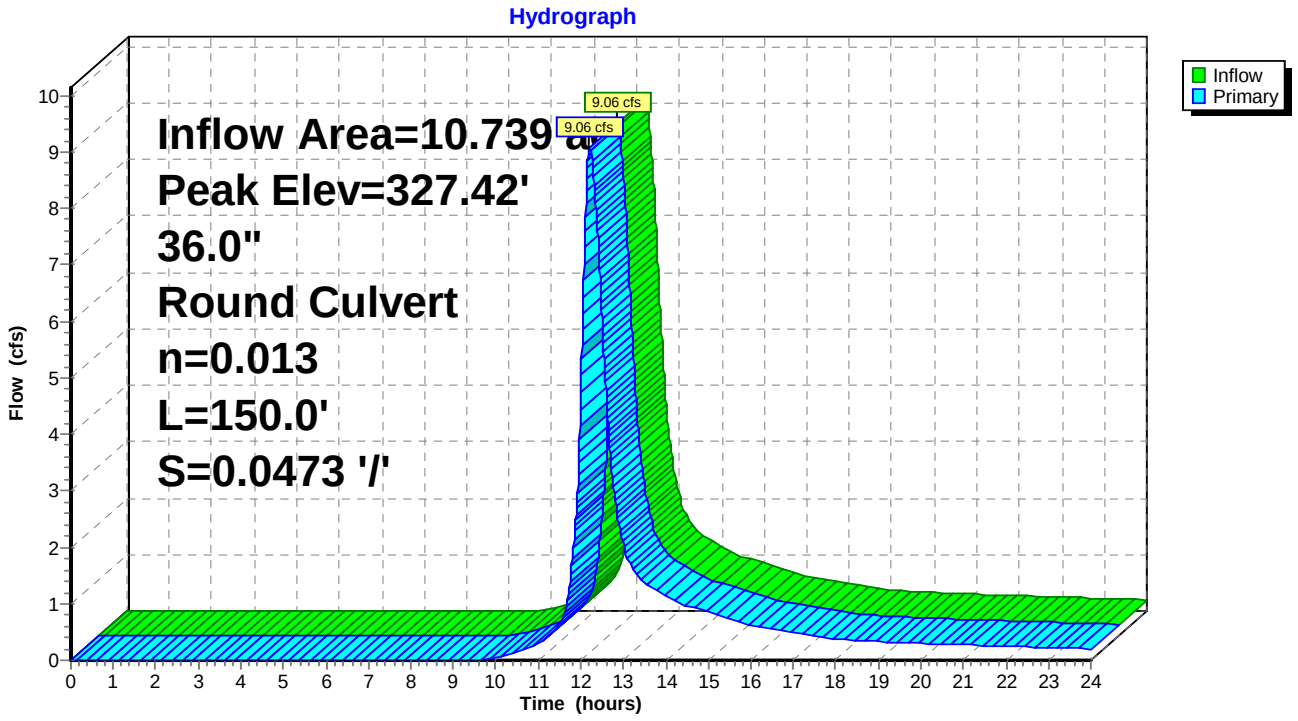
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 1.17" for 1-Year event
Inflow = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af
Outflow = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af, Atten= 0%, Lag= 0.0 min
Primary = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 327.42' @ 12.20 hrs
Flood Elev= 332.25'

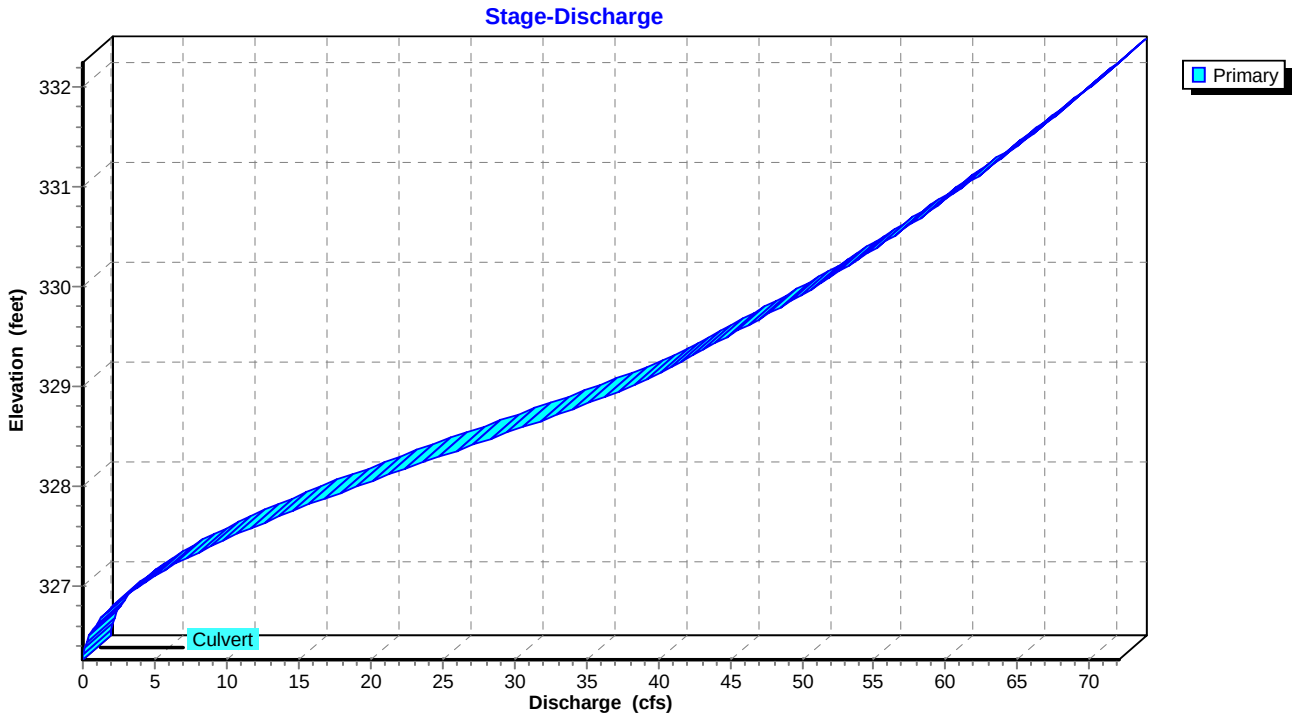
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.06 cfs @ 12.20 hrs HW=327.42' TW=320.16' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.06 cfs @ 3.65 fps)

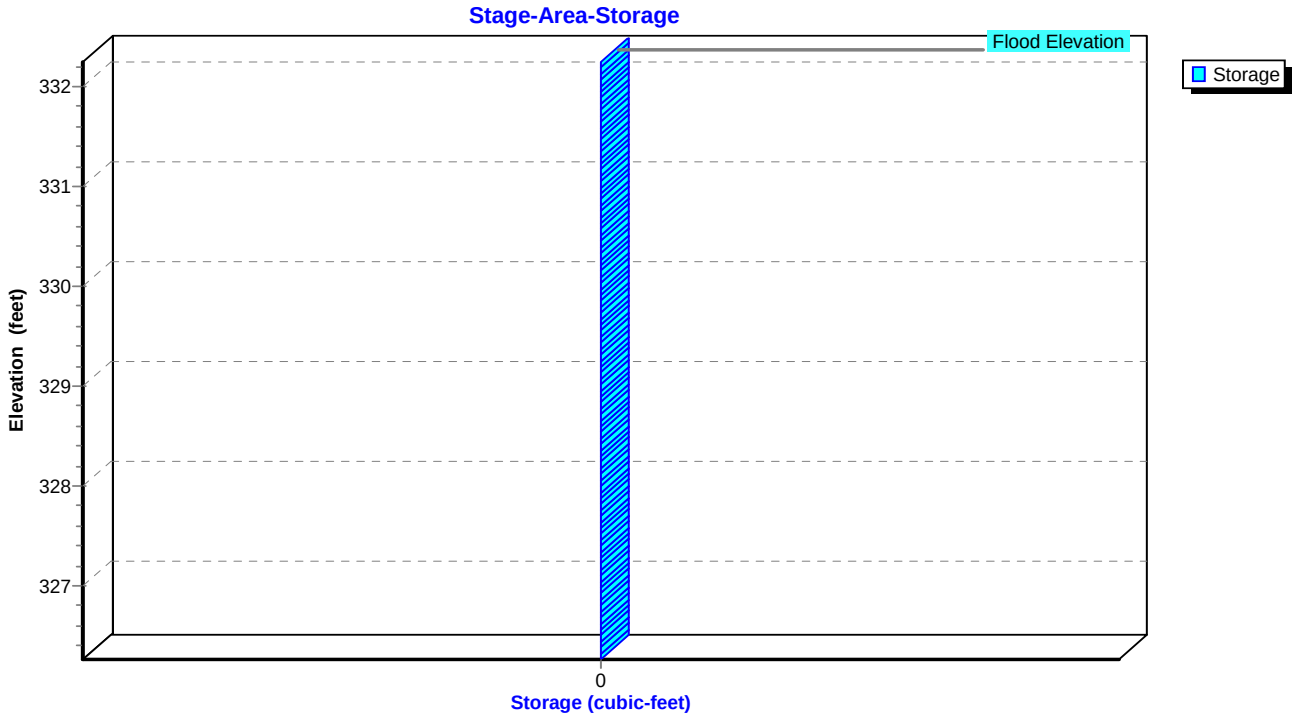
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.27	0.00
7.50	0.00	326.27	0.00
8.00	0.00	326.27	0.00
8.50	0.00	326.27	0.00
9.00	0.00	326.28	0.00
9.50	0.01	326.30	0.01
10.00	0.05	326.35	0.05
10.50	0.14	326.40	0.14
11.00	0.29	326.47	0.29
11.50	0.64	326.56	0.64
12.00	**4.74**	**327.08**	**4.74**
12.50	**6.05**	**327.19**	**6.05**
13.00	2.05	326.80	2.05
13.50	1.37	326.70	1.37
14.00	1.13	326.66	1.13
14.50	0.96	326.63	0.96
15.00	0.85	326.60	0.85
15.50	0.74	326.58	0.74
16.00	0.62	326.56	0.62
16.50	0.54	326.54	0.54
17.00	0.48	326.52	0.48
17.50	0.43	326.51	0.43
18.00	0.38	326.49	0.38
18.50	0.35	326.48	0.35
19.00	0.33	326.48	0.33
19.50	0.31	326.47	0.31
20.00	0.30	326.47	0.30
20.50	0.28	326.46	0.28
21.00	0.27	326.46	0.27
21.50	0.26	326.45	0.26
22.00	0.25	326.45	0.25
22.50	0.24	326.44	0.24
23.00	0.22	326.44	0.22
23.50	0.21	326.44	0.21
24.00	0.20	326.43	0.20

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

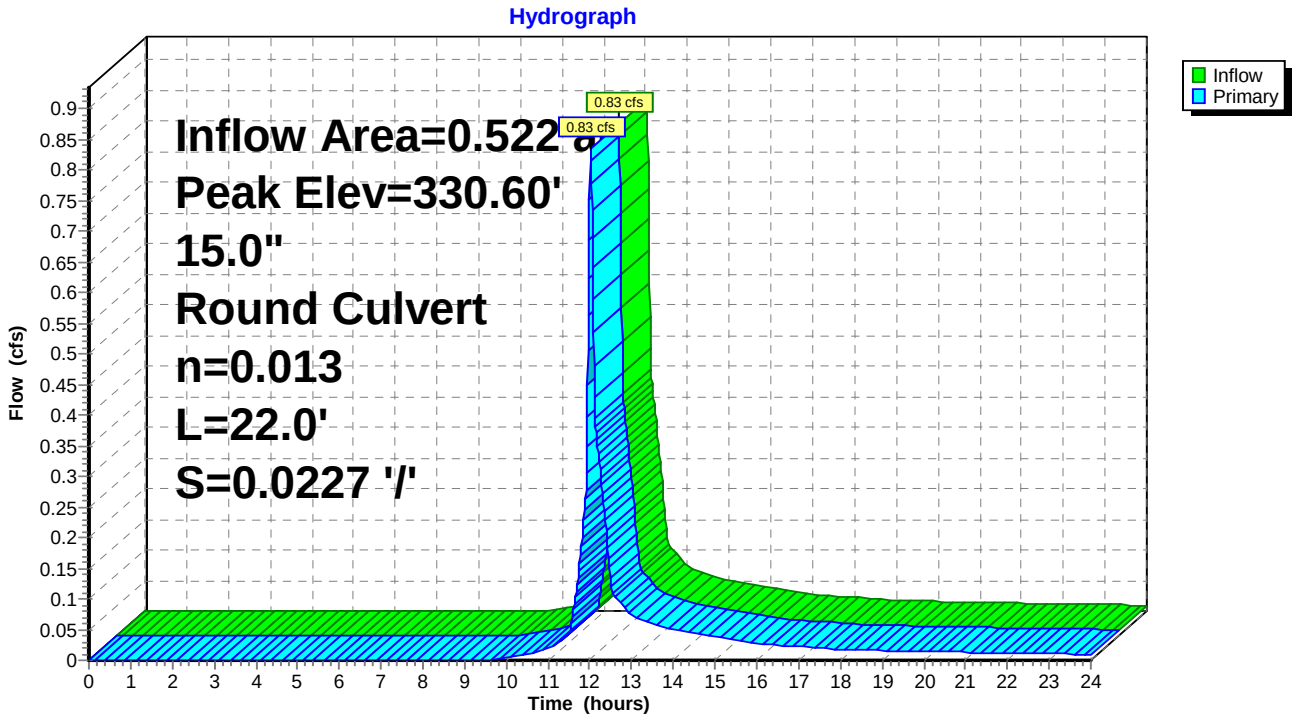
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af
Outflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.60' @ 12.02 hrs
Flood Elev= 332.80'

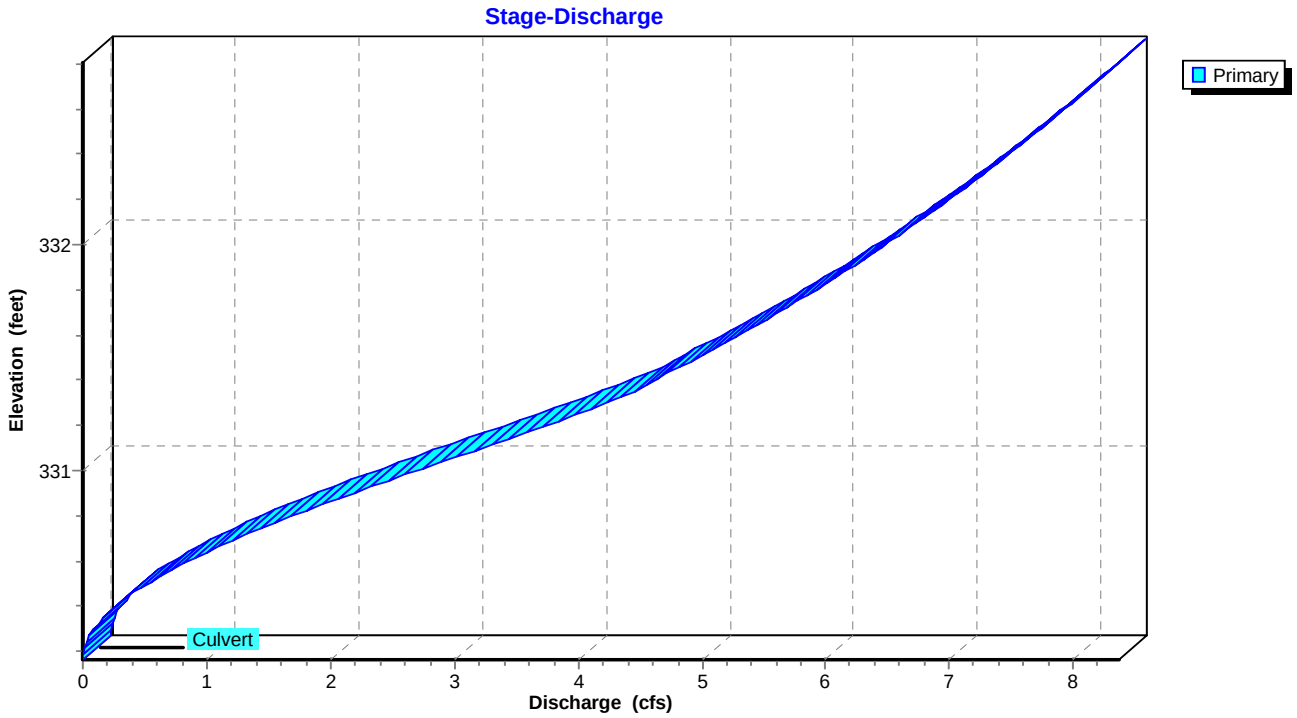
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.83 cfs @ 12.02 hrs HW=330.60' TW=327.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.83 cfs @ 2.23 fps)

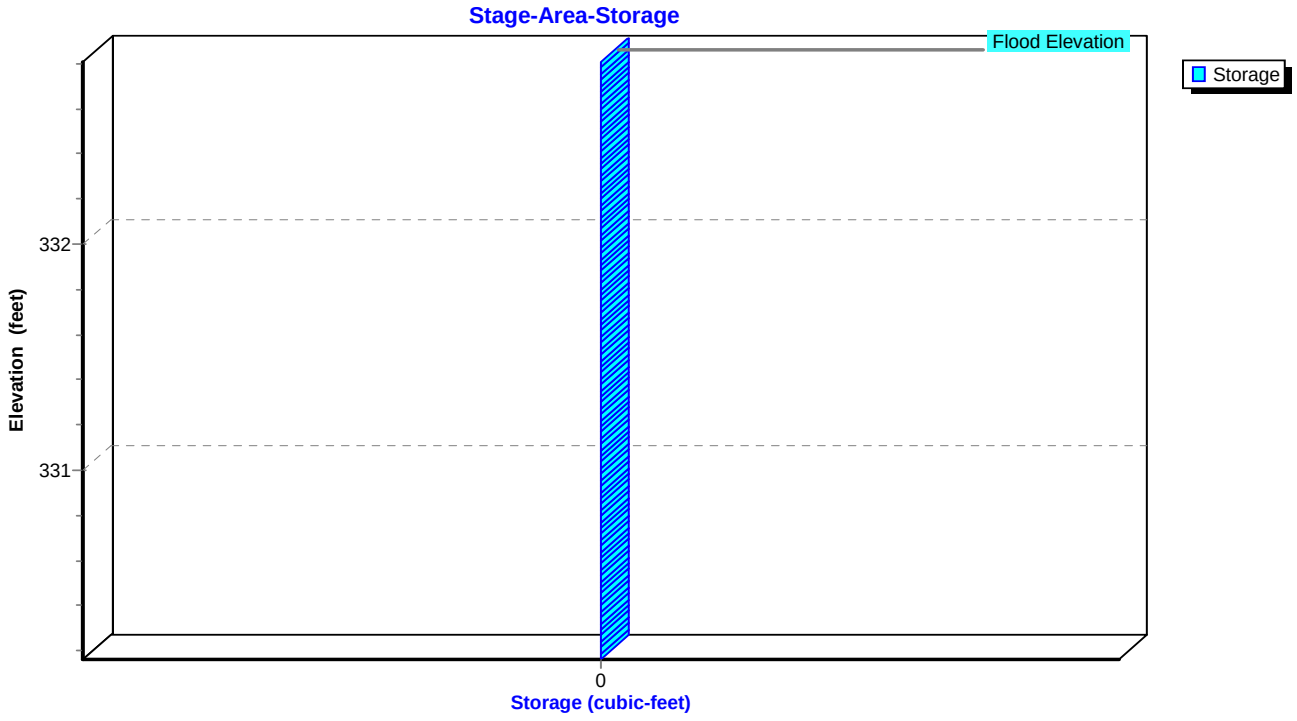
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.17	0.00
9.50	0.00	330.17	0.00
10.00	0.00	330.20	0.00
10.50	0.01	330.21	0.01
11.00	0.02	330.23	0.02
11.50	0.04	330.26	0.04
12.00	**0.75**	**330.58**	**0.75**
12.50	**0.12**	**330.33**	**0.12**
13.00	0.07	330.29	0.07
13.50	0.06	330.28	0.06
14.00	0.05	330.27	0.05
14.50	0.04	330.26	0.04
15.00	0.04	330.26	0.04
15.50	0.03	330.25	0.03
16.00	0.03	330.24	0.03
16.50	0.02	330.24	0.02
17.00	0.02	330.24	0.02
17.50	0.02	330.23	0.02
18.00	0.02	330.23	0.02
18.50	0.02	330.23	0.02
19.00	0.02	330.23	0.02
19.50	0.01	330.22	0.01
20.00	0.01	330.22	0.01
20.50	0.01	330.22	0.01
21.00	0.01	330.22	0.01
21.50	0.01	330.22	0.01
22.00	0.01	330.22	0.01
22.50	0.01	330.22	0.01
23.00	0.01	330.22	0.01
23.50	0.01	330.21	0.01
24.00	0.01	330.21	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

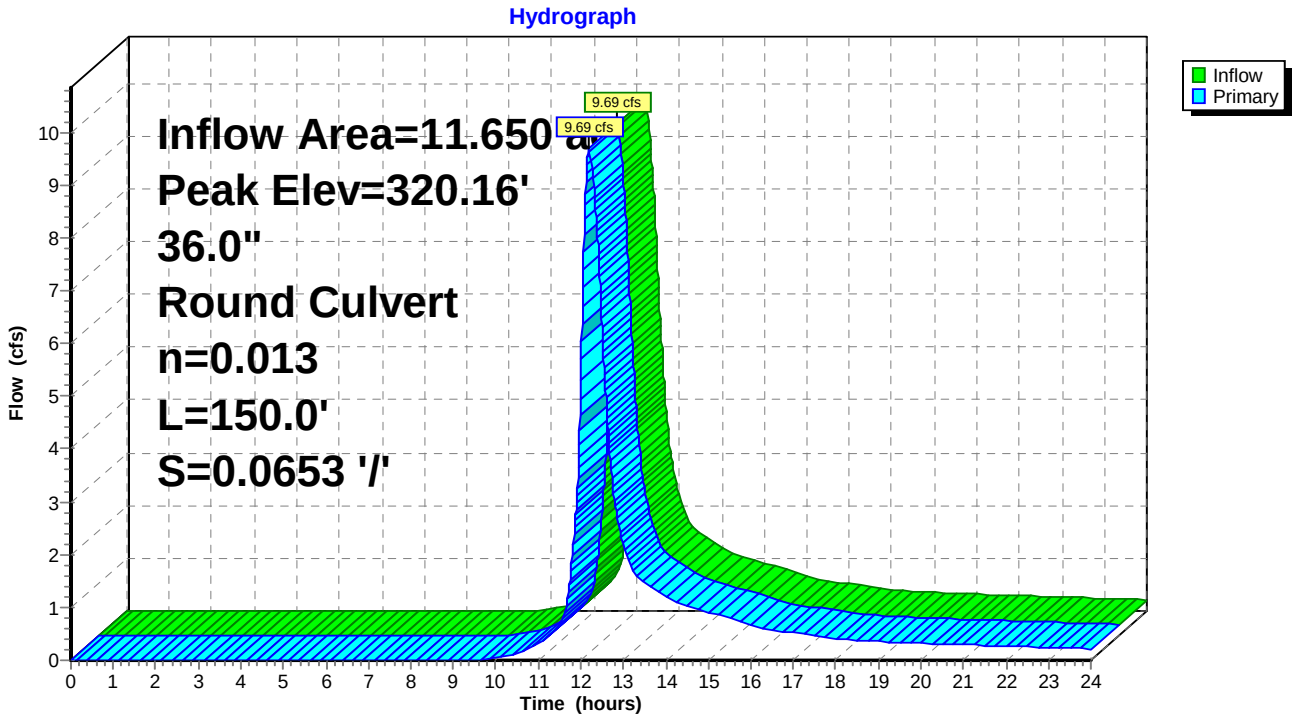
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 1.15" for 1-Year event
Inflow = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af
Outflow = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af, Atten= 0%, Lag= 0.0 min
Primary = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.16' @ 12.19 hrs
Flood Elev= 338.50'

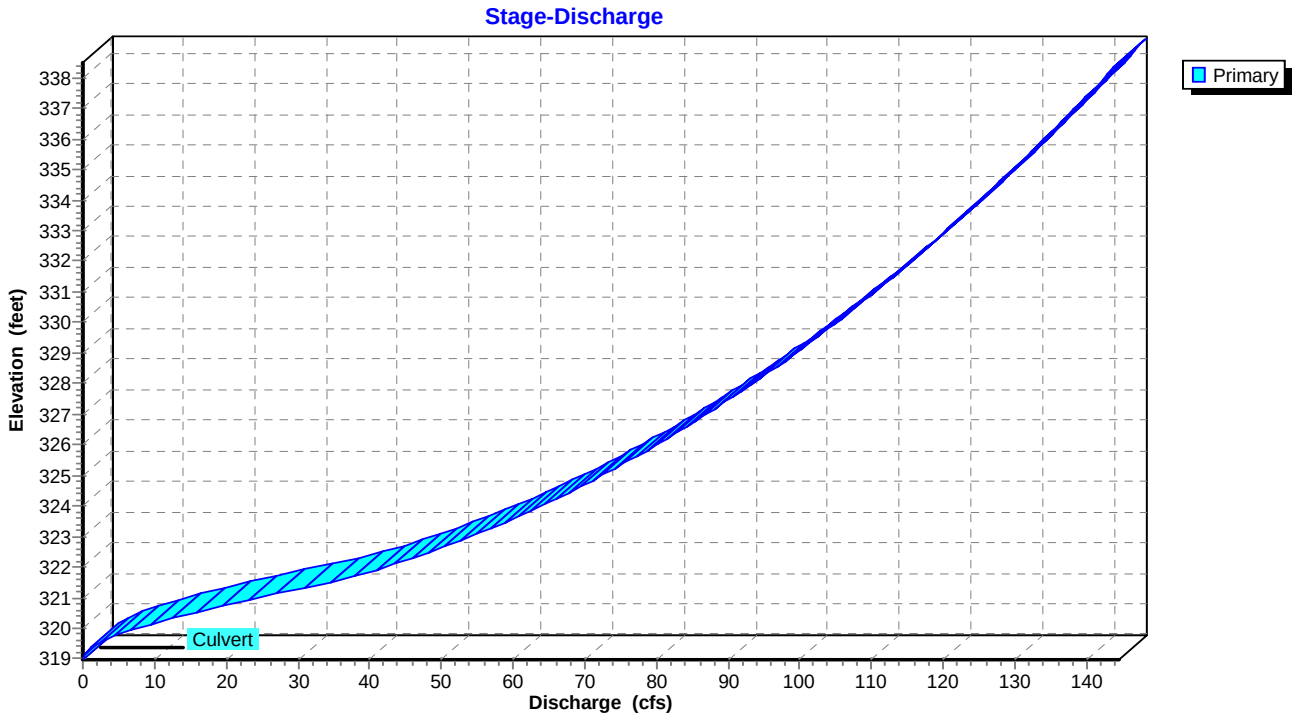
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.69 cfs @ 12.19 hrs HW=320.16' TW=310.19' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.69 cfs @ 3.71 fps)

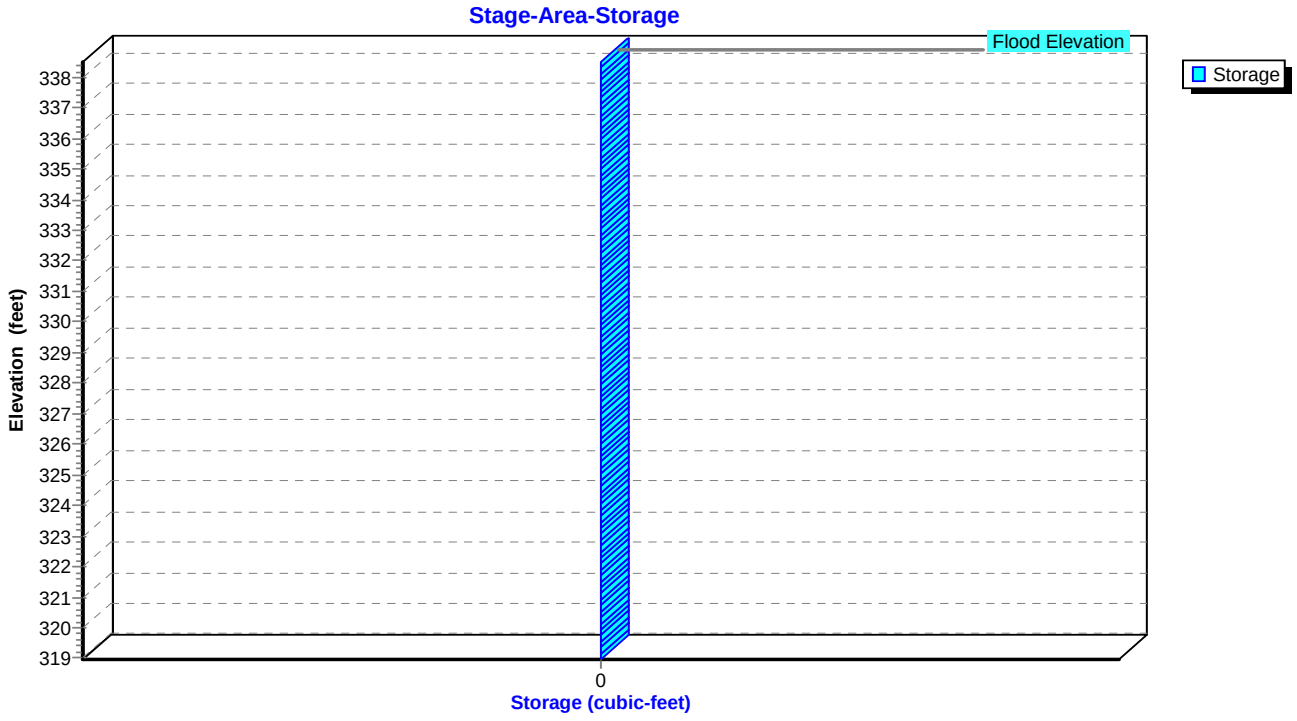
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.00	318.97	0.00
8.00	0.00	318.97	0.00
8.50	0.00	318.97	0.00
9.00	0.00	318.97	0.00
9.50	0.01	319.00	0.01
10.00	0.05	319.05	0.05
10.50	0.14	319.11	0.14
11.00	0.31	319.17	0.31
11.50	0.68	319.27	0.68
12.00	**5.31**	**319.83**	**5.31**
12.50	**6.32**	**319.92**	**6.32**
13.00	2.17	319.51	2.17
13.50	1.46	319.41	1.46
14.00	1.21	319.37	1.21
14.50	1.03	319.34	1.03
15.00	0.91	319.32	0.91
15.50	0.79	319.29	0.79
16.00	0.66	319.27	0.66
16.50	0.58	319.24	0.58
17.00	0.52	319.23	0.52
17.50	0.46	319.22	0.46
18.00	0.41	319.20	0.41
18.50	0.37	319.19	0.37
19.00	0.35	319.18	0.35
19.50	0.34	319.18	0.34
20.00	0.32	319.17	0.32
20.50	0.31	319.17	0.31
21.00	0.29	319.17	0.29
21.50	0.28	319.16	0.28
22.00	0.27	319.16	0.27
22.50	0.25	319.15	0.25
23.00	0.24	319.15	0.24
23.50	0.23	319.14	0.23
24.00	0.21	319.14	0.21

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

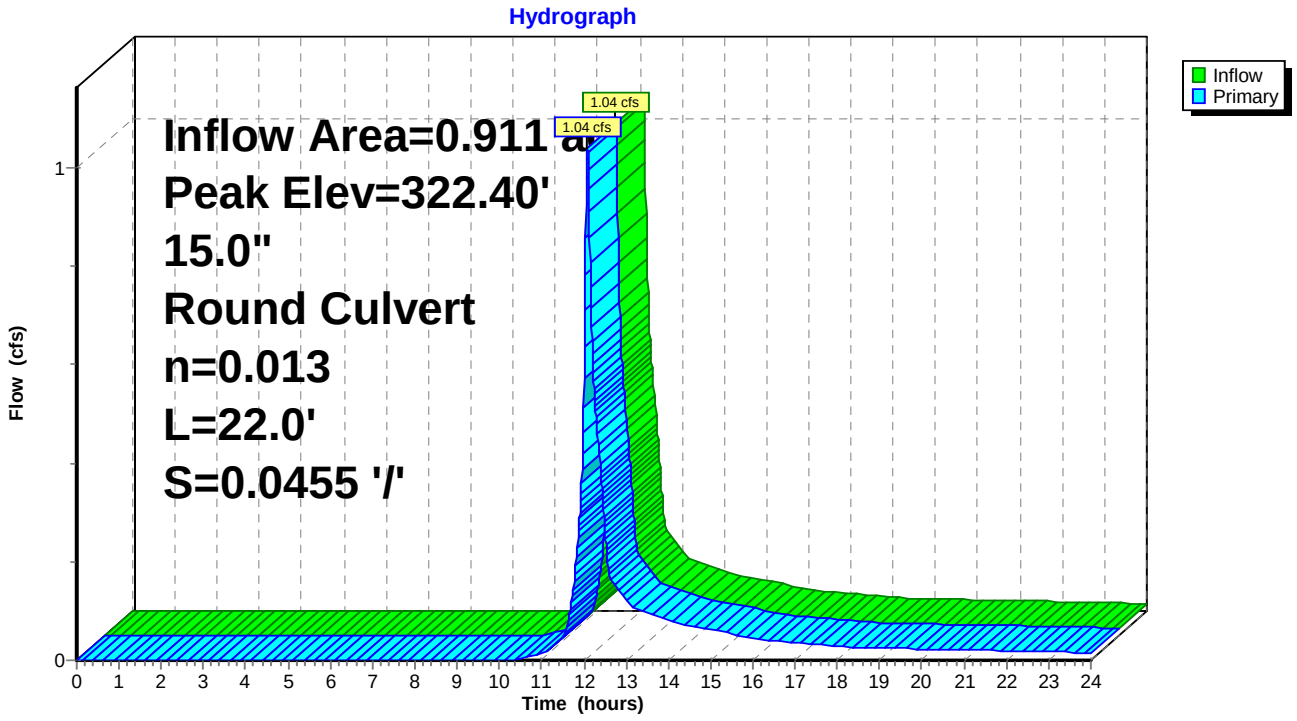
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 0.99" for 1-Year event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.40' @ 12.09 hrs
Flood Elev= 324.50'

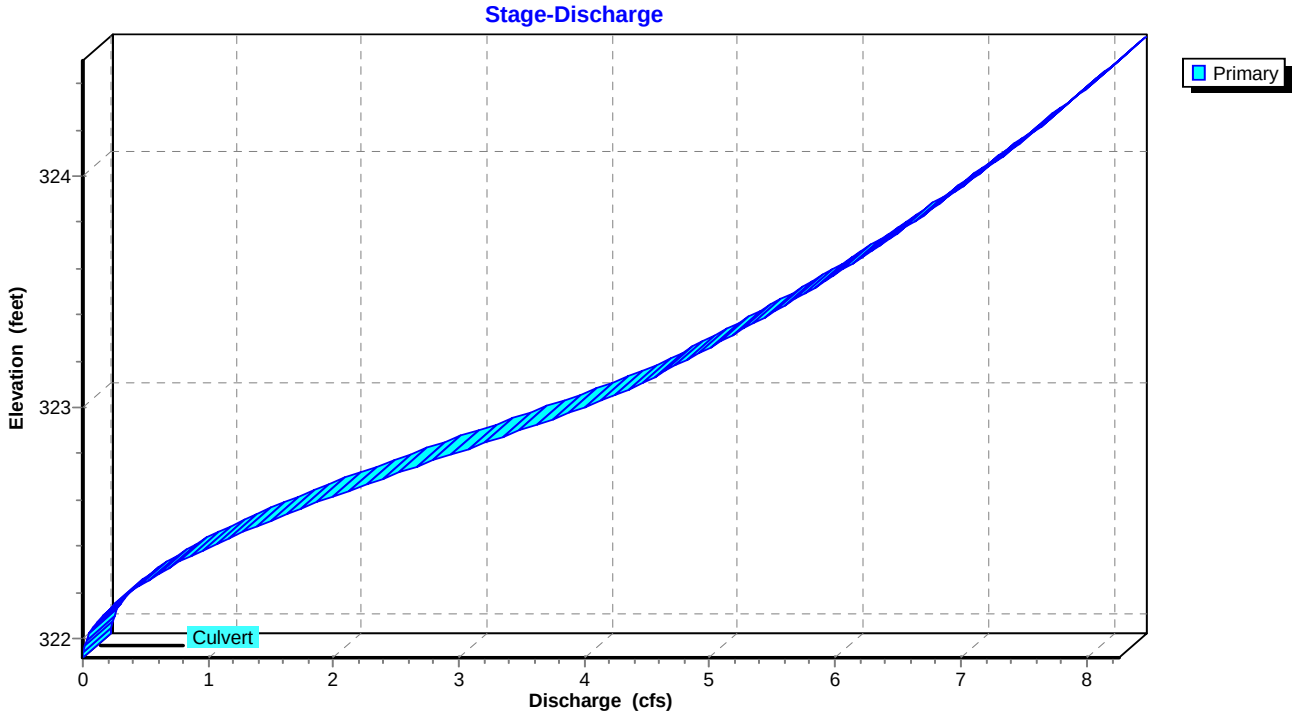
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=322.40' TW=320.06' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.04 cfs @ 2.37 fps)

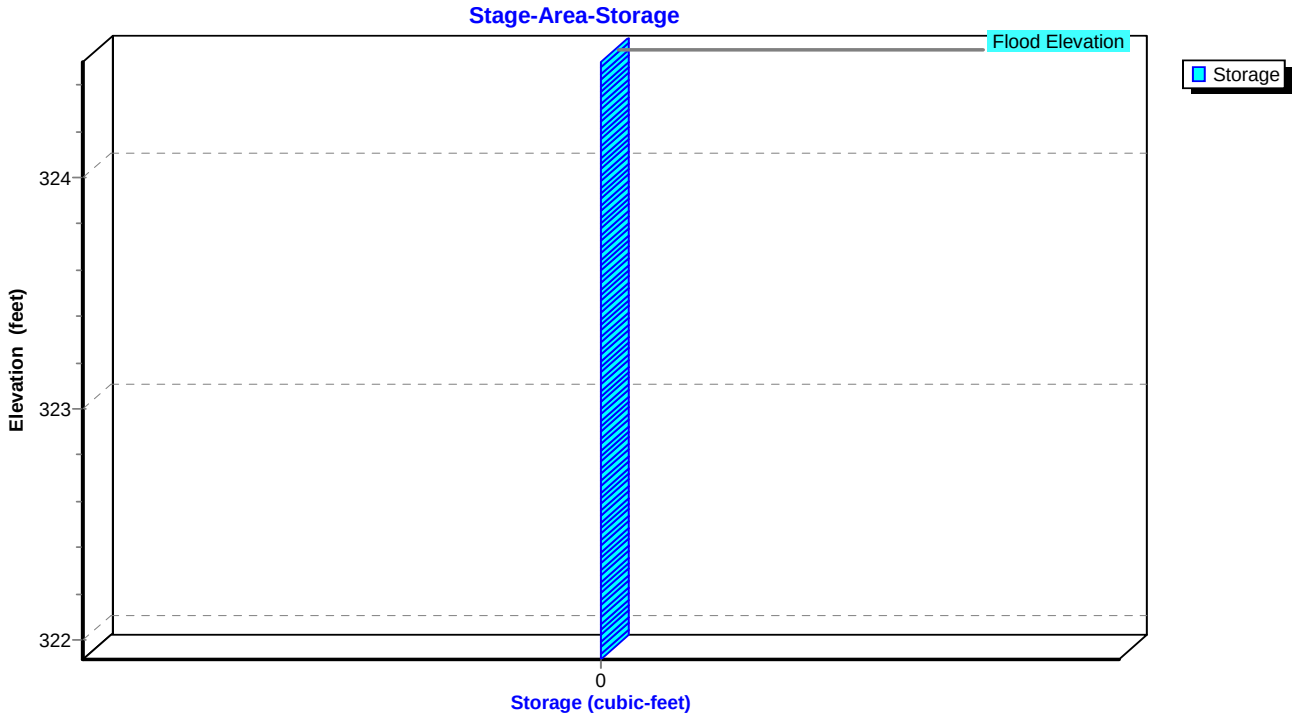
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.92	0.00
10.00	0.00	321.92	0.00
10.50	0.00	321.94	0.00
11.00	0.01	321.97	0.01
11.50	0.04	322.01	0.04
12.00	**0.57**	**322.27**	**0.57**
12.50	**0.27**	**322.16**	**0.27**
13.00	0.12	322.08	0.12
13.50	0.10	322.06	0.10
14.00	0.08	322.05	0.08
14.50	0.07	322.04	0.07
15.00	0.06	322.03	0.06
15.50	0.05	322.02	0.05
16.00	0.04	322.01	0.04
16.50	0.04	322.01	0.04
17.00	0.04	322.01	0.04
17.50	0.03	322.00	0.03
18.00	0.03	321.99	0.03
18.50	0.03	321.99	0.03
19.00	0.03	321.99	0.03
19.50	0.02	321.99	0.02
20.00	0.02	321.99	0.02
20.50	0.02	321.99	0.02
21.00	0.02	321.98	0.02
21.50	0.02	321.98	0.02
22.00	0.02	321.98	0.02
22.50	0.02	321.98	0.02
23.00	0.02	321.98	0.02
23.50	0.02	321.98	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=345.92' Inflow=2.76 cfs 0.324 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=2.76 cfs 0.324 af

Pond CB10: Catchbasin Peak Elev=310.50' Inflow=15.18 cfs 1.740 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=15.18 cfs 1.740 af

Pond CB10-1: CB1-1 Peak Elev=312.52' Inflow=1.56 cfs 0.093 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.56 cfs 0.093 af

Pond CB11: Catchbasin Peak Elev=299.31' Inflow=16.21 cfs 1.827 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=16.21 cfs 1.827 af

Pond CB11-1: CB1-1 Peak Elev=302.66' Inflow=1.07 cfs 0.087 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.07 cfs 0.087 af

Pond CB12: Catchbasin Peak Elev=298.16' Inflow=18.22 cfs 1.997 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=18.22 cfs 1.997 af

Pond CB12-1: CB1-1 Peak Elev=300.41' Inflow=2.20 cfs 0.170 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.20 cfs 0.170 af

Pond CB13: Catchbasin Peak Elev=295.54' Inflow=19.53 cfs 2.109 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=19.53 cfs 2.109 af

Pond CB13-1: CB1-1 Peak Elev=296.97' Inflow=1.31 cfs 0.112 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.31 cfs 0.112 af

Pond CB14: Catchbasin Peak Elev=288.48' Inflow=19.79 cfs 2.144 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=19.79 cfs 2.144 af

Pond CB14-1: CB1-1 Peak Elev=290.77' Inflow=0.56 cfs 0.035 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=0.56 cfs 0.035 af

Pond CB15: Catchbasin Peak Elev=284.54' Inflow=25.64 cfs 2.913 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=25.64 cfs 2.913 af

Pond CB15-1: CB1-1 Peak Elev=284.84' Inflow=7.24 cfs 0.770 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=7.24 cfs 0.770 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.51' Inflow=5.75 cfs 0.648 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=5.75 cfs 0.648 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.65' Inflow=7.11 cfs 0.796 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=7.11 cfs 0.796 af

Pond CB4: Catchbasin Peak Elev=332.93' Inflow=9.40 cfs 1.077 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=9.40 cfs 1.077 af

Pond CB4-1: CB1-1 Peak Elev=336.39' Inflow=9.40 cfs 1.077 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=9.40 cfs 1.077 af

Pond CB5: Catchbasin Peak Elev=331.73' Inflow=9.64 cfs 1.117 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=9.64 cfs 1.117 af

Pond CB5-1: CB1-1 Peak Elev=334.28' Inflow=0.66 cfs 0.040 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.66 cfs 0.040 af

Pond CB6: Catchbasin Peak Elev=330.46' Inflow=11.49 cfs 1.295 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=11.49 cfs 1.295 af

Pond CB6-1: CB1-1 Peak Elev=336.61' Inflow=1.96 cfs 0.178 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.96 cfs 0.178 af

Pond CB7: Catchbasin Peak Elev=329.13' Inflow=13.06 cfs 1.458 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=13.06 cfs 1.458 af

Pond CB7-1: CB1-1 Peak Elev=335.14' Inflow=2.10 cfs 0.163 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.10 cfs 0.163 af

Pond CB8: Catchbasin Peak Elev=327.70' Inflow=13.55 cfs 1.533 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=13.55 cfs 1.533 af

Pond CB8-1: CB1-1 Peak Elev=330.70' Inflow=1.24 cfs 0.074 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.24 cfs 0.074 af

Pond CB9: Catchbasin Peak Elev=320.46' Inflow=14.55 cfs 1.646 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=14.55 cfs 1.646 af

Pond CB9-1: CB1-1 Peak Elev=322.54' Inflow=1.61 cfs 0.114 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.61 cfs 0.114 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

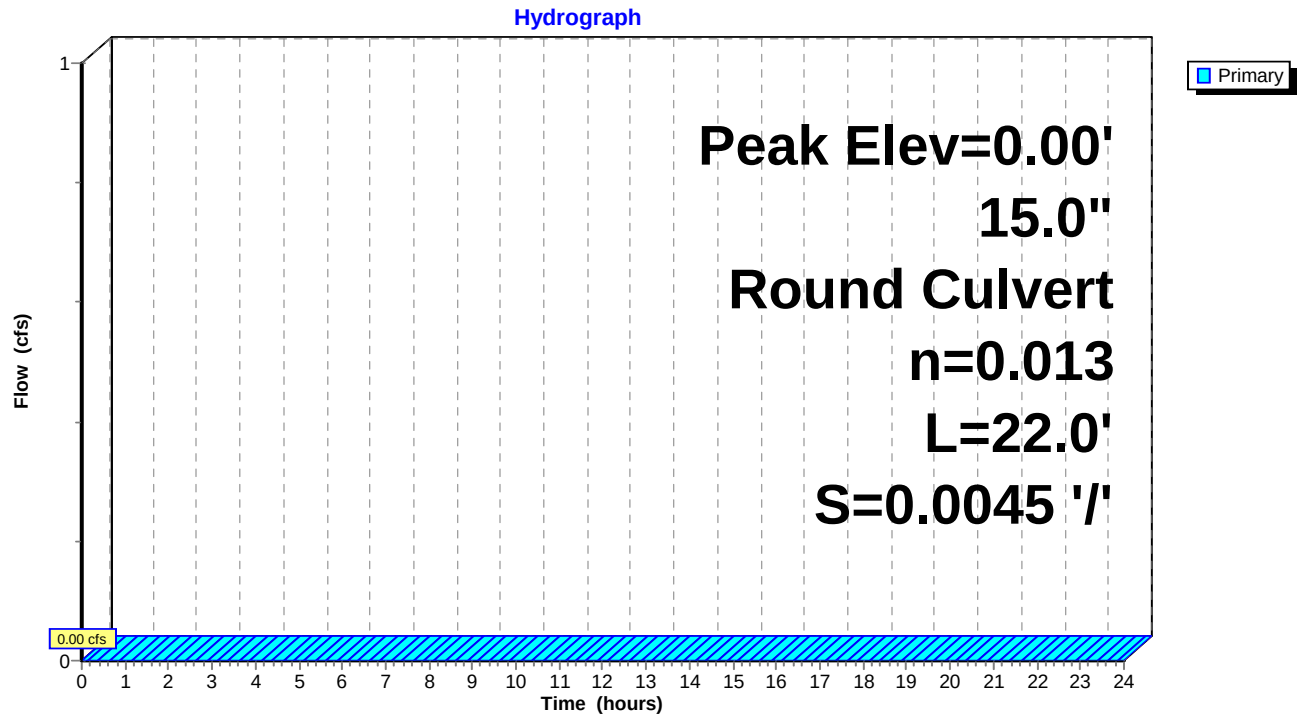
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

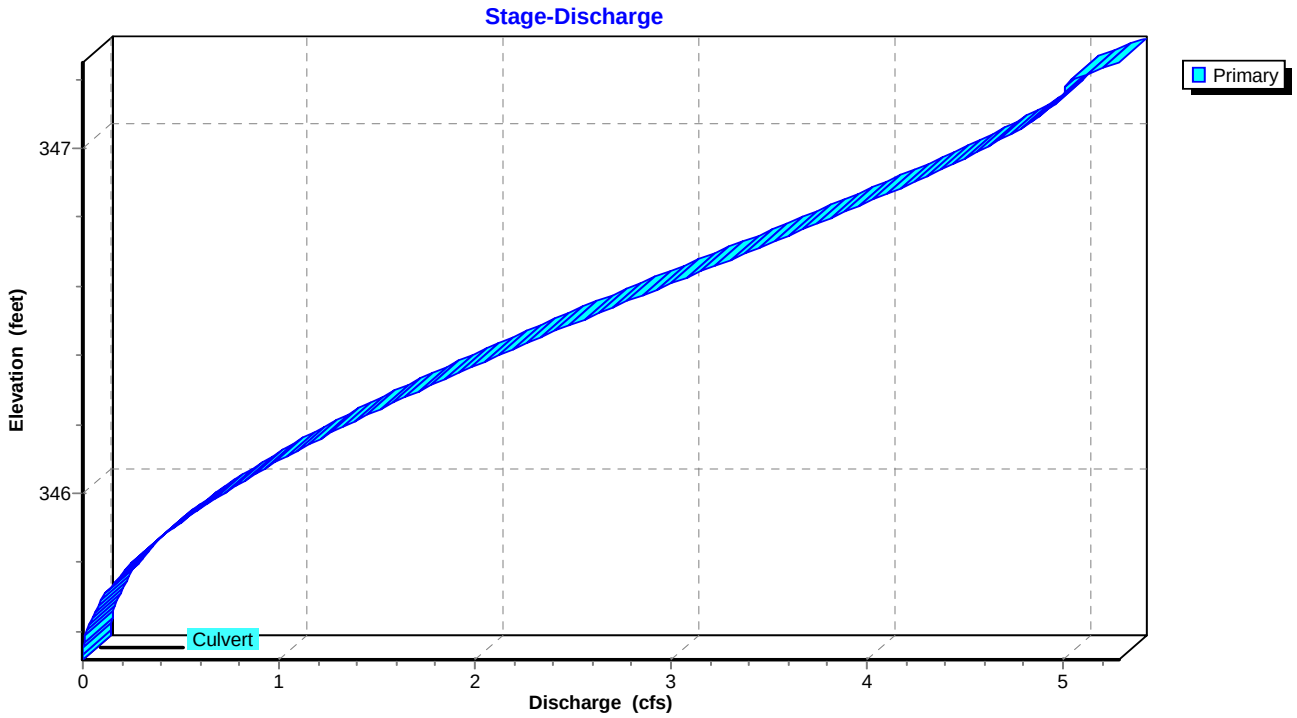
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

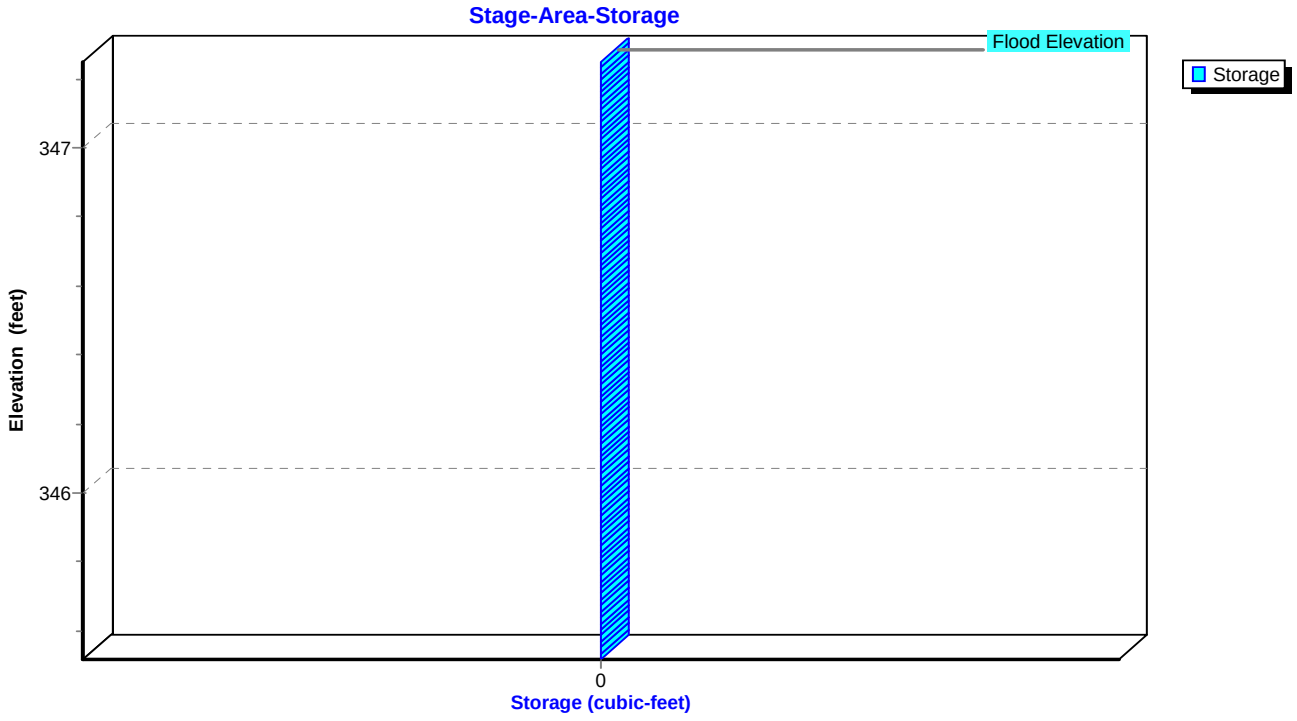
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

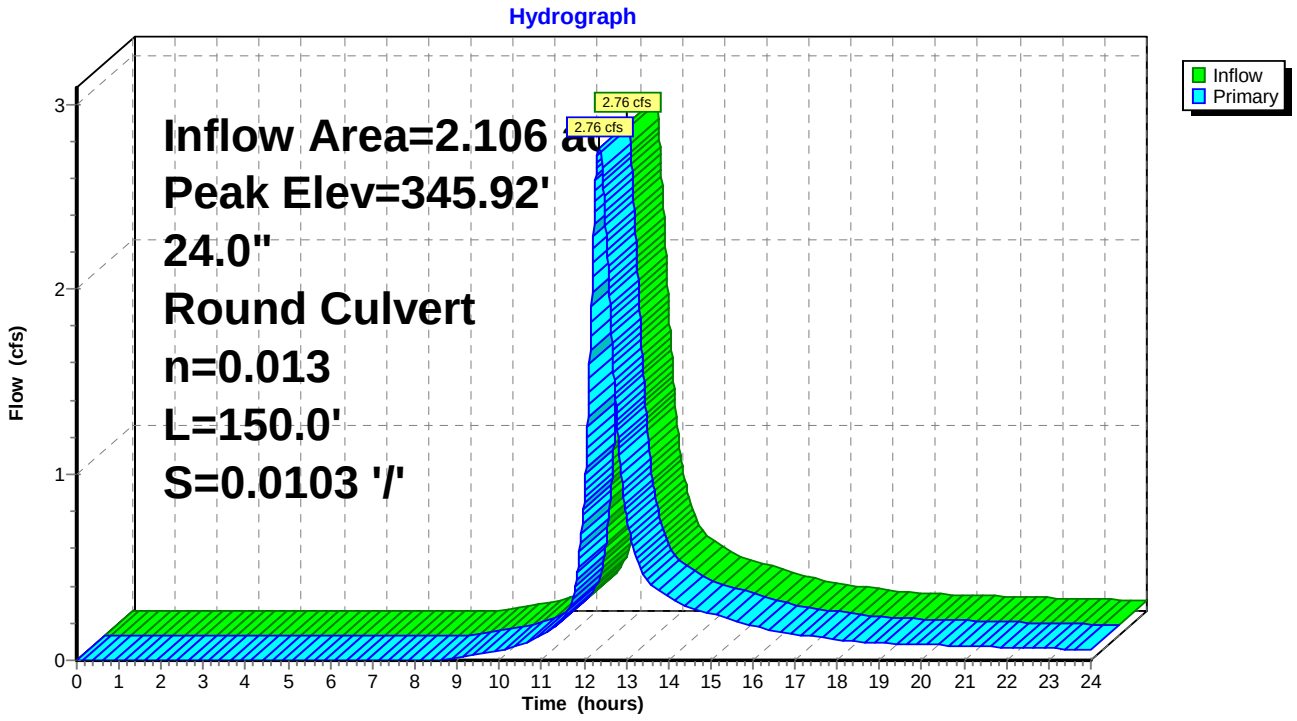
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.85" for 2-Year event
Inflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af
Outflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af, Atten= 0%, Lag= 0.0 min
Primary = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.92' @ 12.35 hrs
Flood Elev= 348.80'

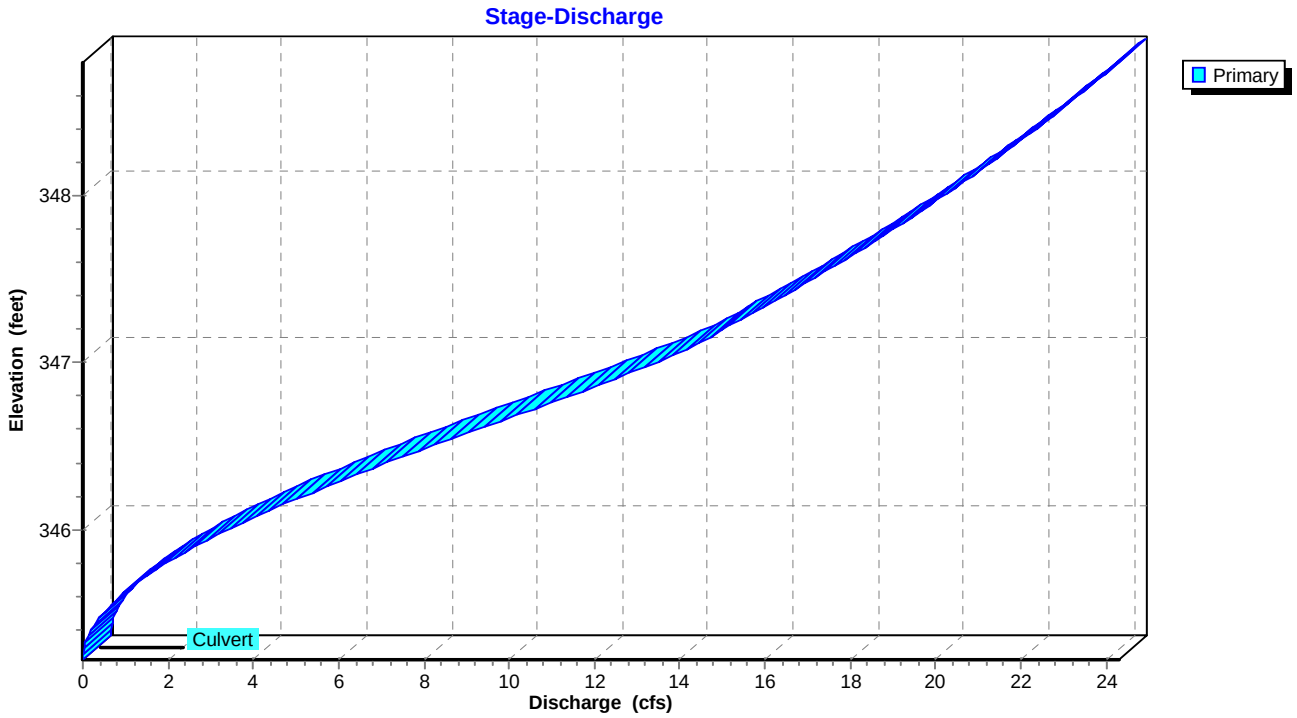
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=2.77 cfs @ 12.36 hrs HW=345.92' TW=344.49' (Dynamic Tailwater)
1=Culvert (Outlet Controls 2.77 cfs @ 4.23 fps)

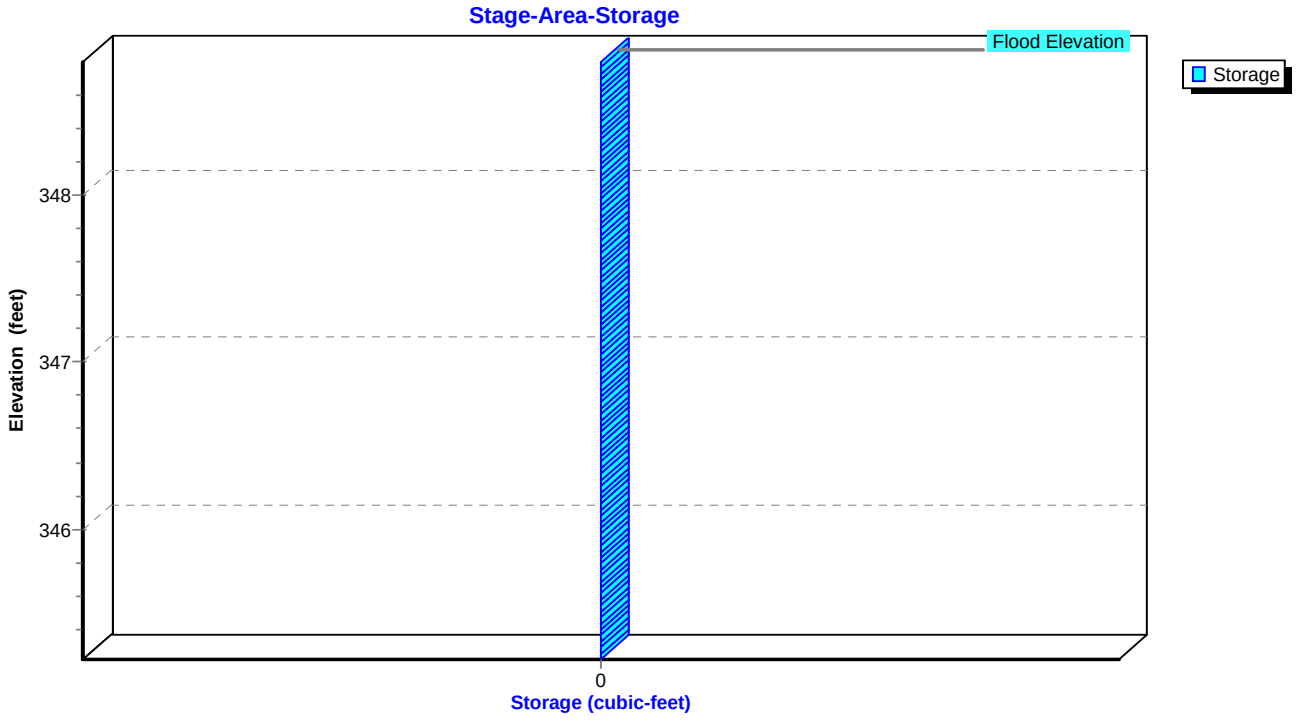
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.22	0.00
8.00	0.00	345.22	0.00
8.50	0.00	345.24	0.00
9.00	0.01	345.27	0.01
9.50	0.03	345.29	0.03
10.00	0.05	345.32	0.05
10.50	0.09	345.34	0.09
11.00	0.13	345.37	0.13
11.50	0.22	345.41	0.22
12.00	**0.85**	**345.59**	**0.85**
12.50	**2.43**	**345.87**	**2.43**
13.00	0.79	345.58	0.79
13.50	0.43	345.48	0.43
14.00	0.34	345.46	0.34
14.50	0.28	345.43	0.28
15.00	0.25	345.42	0.25
15.50	0.22	345.41	0.22
16.00	0.18	345.39	0.18
16.50	0.16	345.38	0.16
17.00	0.14	345.37	0.14
17.50	0.12	345.36	0.12
18.00	0.11	345.35	0.11
18.50	0.10	345.35	0.10
19.00	0.09	345.34	0.09
19.50	0.09	345.34	0.09
20.00	0.08	345.34	0.08
20.50	0.08	345.34	0.08
21.00	0.08	345.33	0.08
21.50	0.07	345.33	0.07
22.00	0.07	345.33	0.07
22.50	0.07	345.33	0.07
23.00	0.06	345.32	0.06
23.50	0.06	345.32	0.06
24.00	0.06	345.32	0.06

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

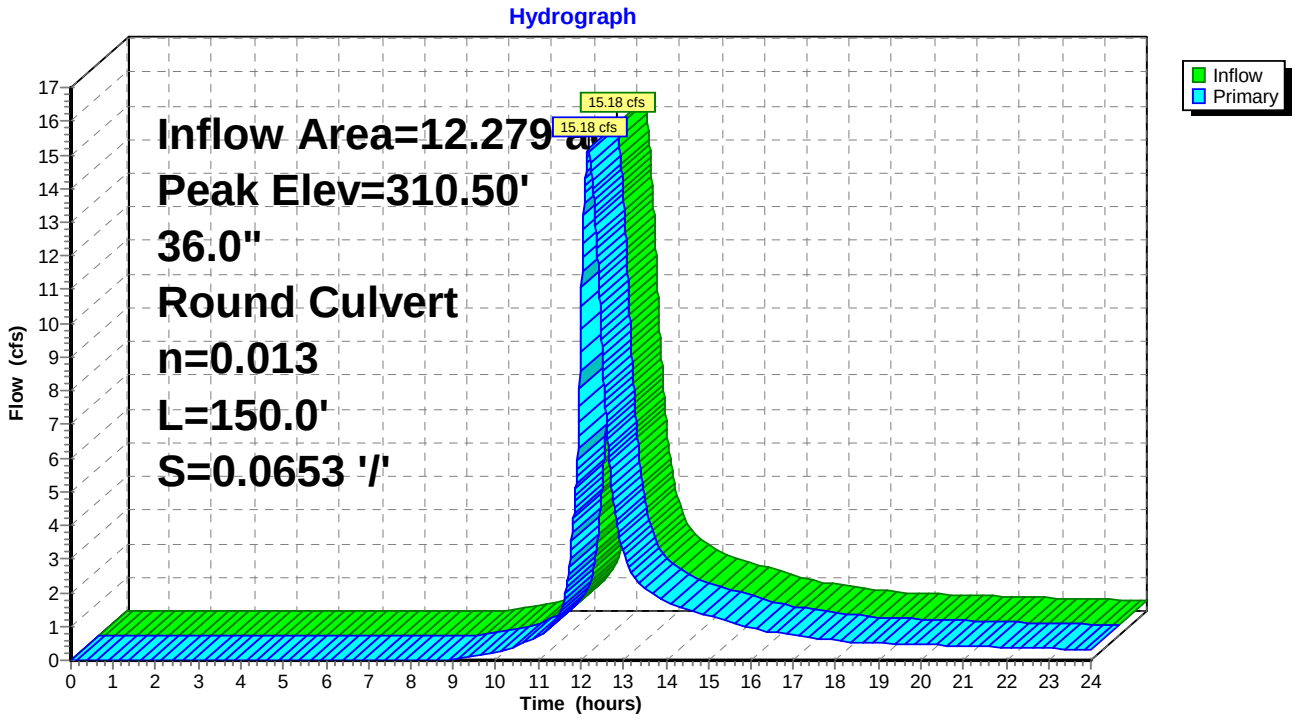
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af
Outflow = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af, Atten= 0%, Lag= 0.0 min
Primary = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.50' @ 12.18 hrs
Flood Elev= 313.50'

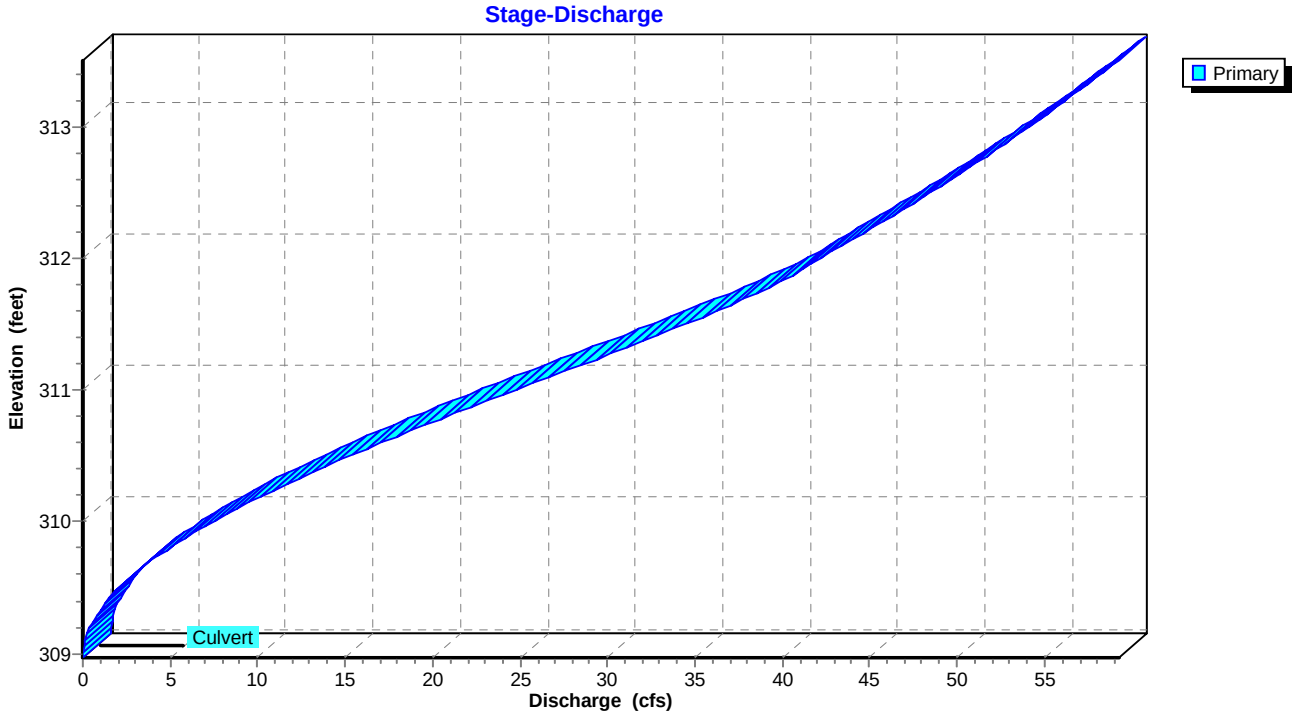
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=15.18 cfs @ 12.18 hrs HW=310.50' TW=299.31' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.18 cfs @ 4.20 fps)

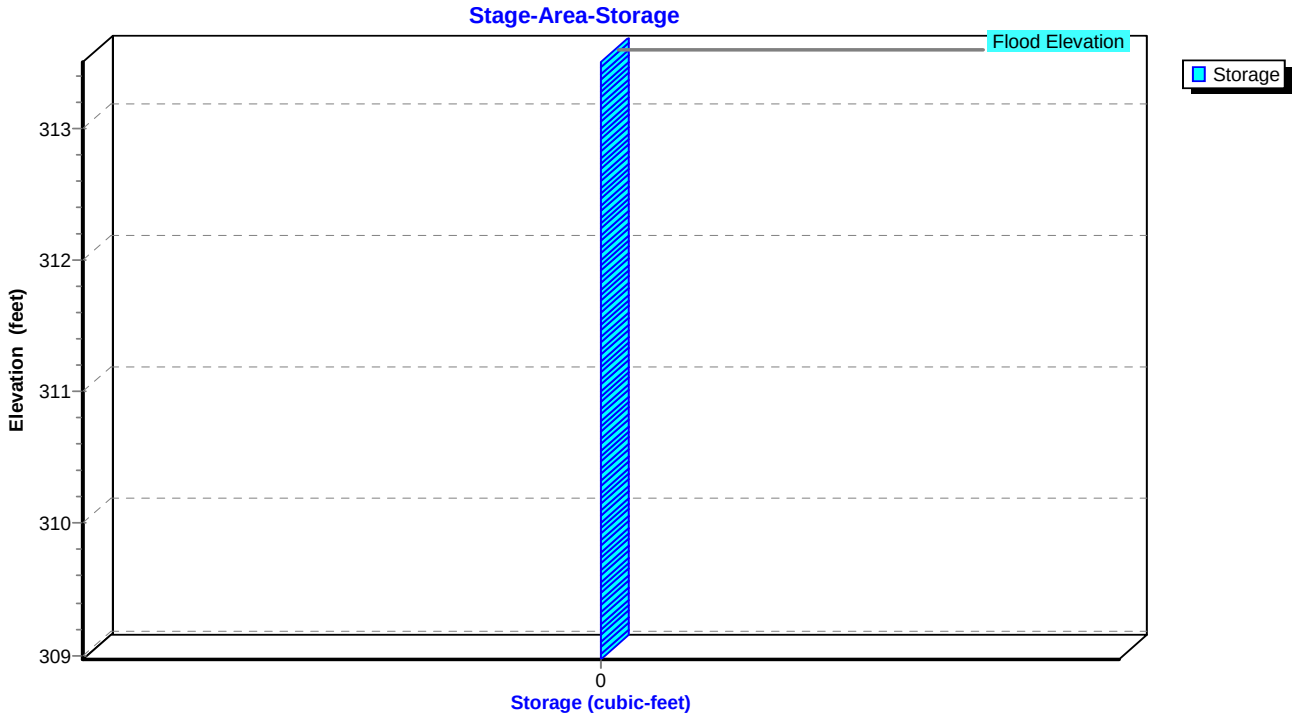
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.97	0.00
7.50	0.00	308.97	0.00
8.00	0.00	308.97	0.00
8.50	0.01	309.00	0.01
9.00	0.04	309.04	0.04
9.50	0.11	309.09	0.11
10.00	0.24	309.15	0.24
10.50	0.43	309.21	0.43
11.00	0.71	309.28	0.71
11.50	1.37	309.40	1.37
12.00	**9.81**	**310.17**	**9.81**
12.50	**9.29**	**310.13**	**9.29**
13.00	3.17	309.63	3.17
13.50	2.14	309.51	2.14
14.00	1.76	309.46	1.76
14.50	1.50	309.42	1.50
15.00	1.32	309.39	1.32
15.50	1.14	309.36	1.14
16.00	0.96	309.33	0.96
16.50	0.83	309.30	0.83
17.00	0.75	309.28	0.75
17.50	0.67	309.27	0.67
18.00	0.58	309.25	0.58
18.50	0.53	309.23	0.53
19.00	0.51	309.23	0.51
19.50	0.48	309.22	0.48
20.00	0.46	309.21	0.46
20.50	0.44	309.21	0.44
21.00	0.42	309.20	0.42
21.50	0.40	309.20	0.40
22.00	0.38	309.19	0.38
22.50	0.36	309.19	0.36
23.00	0.34	309.18	0.34
23.50	0.33	309.18	0.33
24.00	0.31	309.17	0.31

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

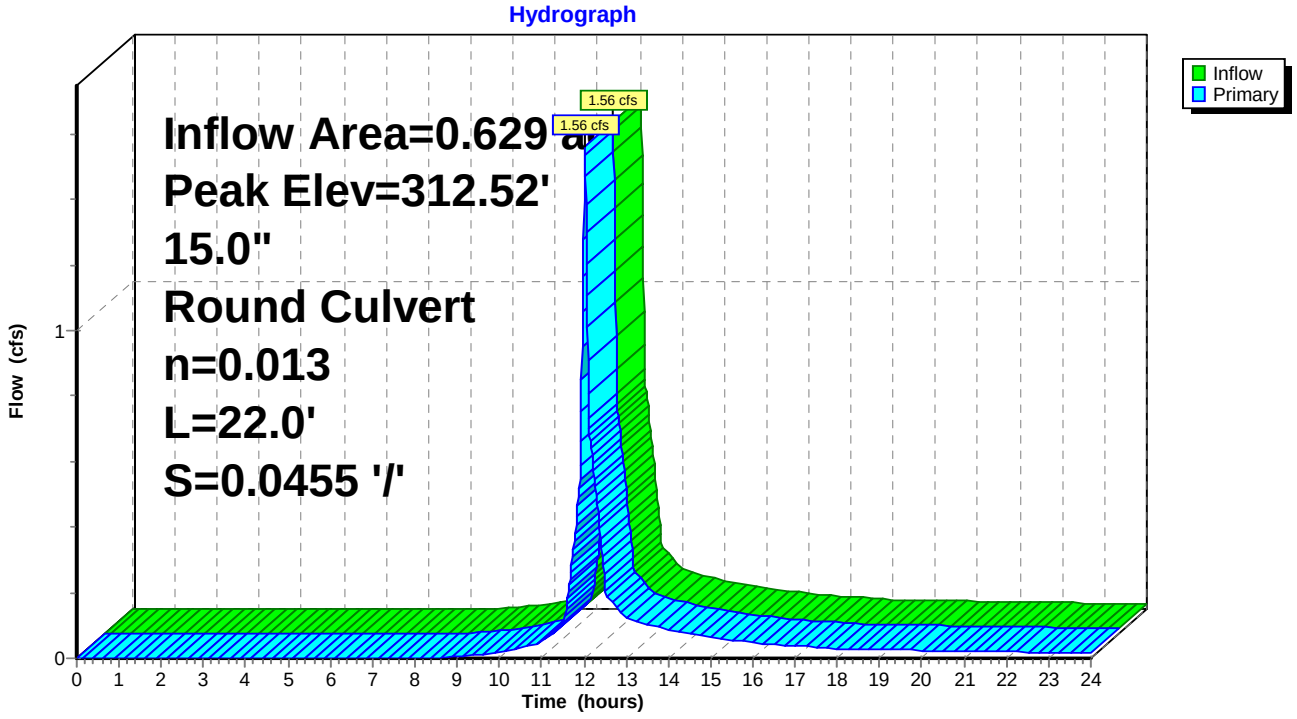
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.78" for 2-Year event
Inflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.52' @ 12.02 hrs
Flood Elev= 314.50'

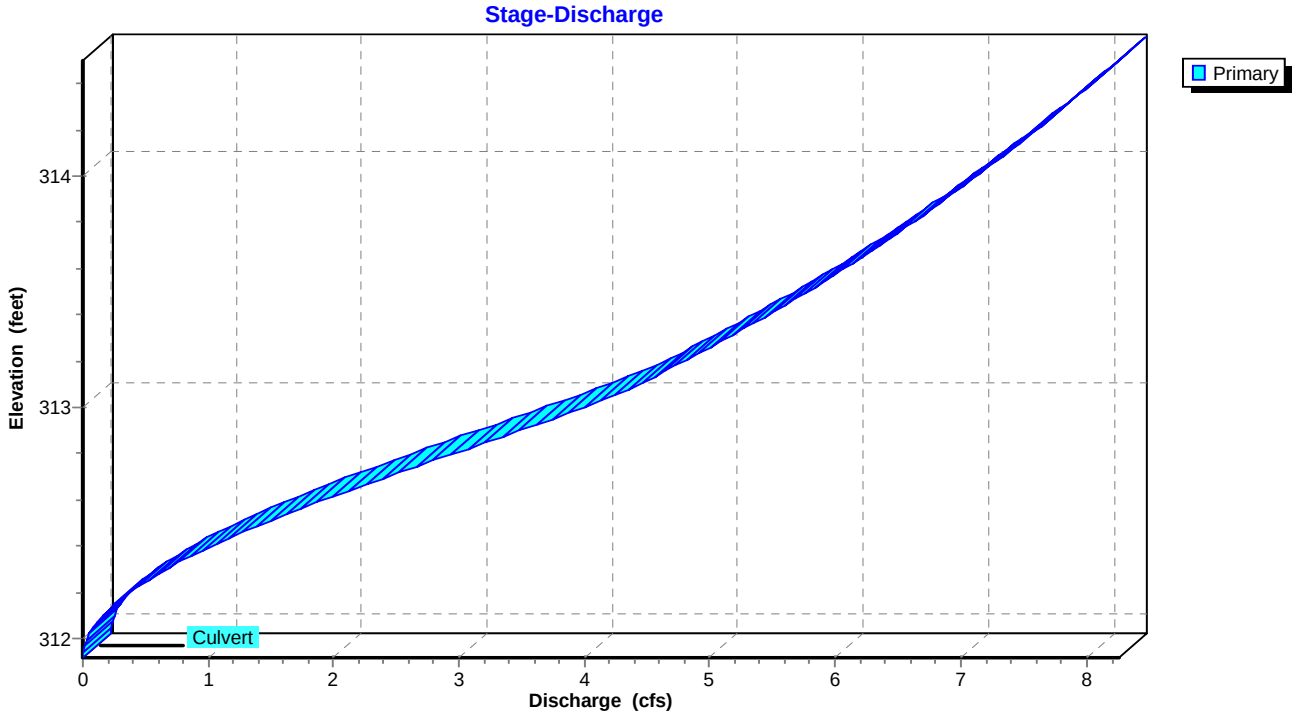
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.55 cfs @ 12.02 hrs HW=312.52' TW=310.25' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.55 cfs @ 2.64 fps)

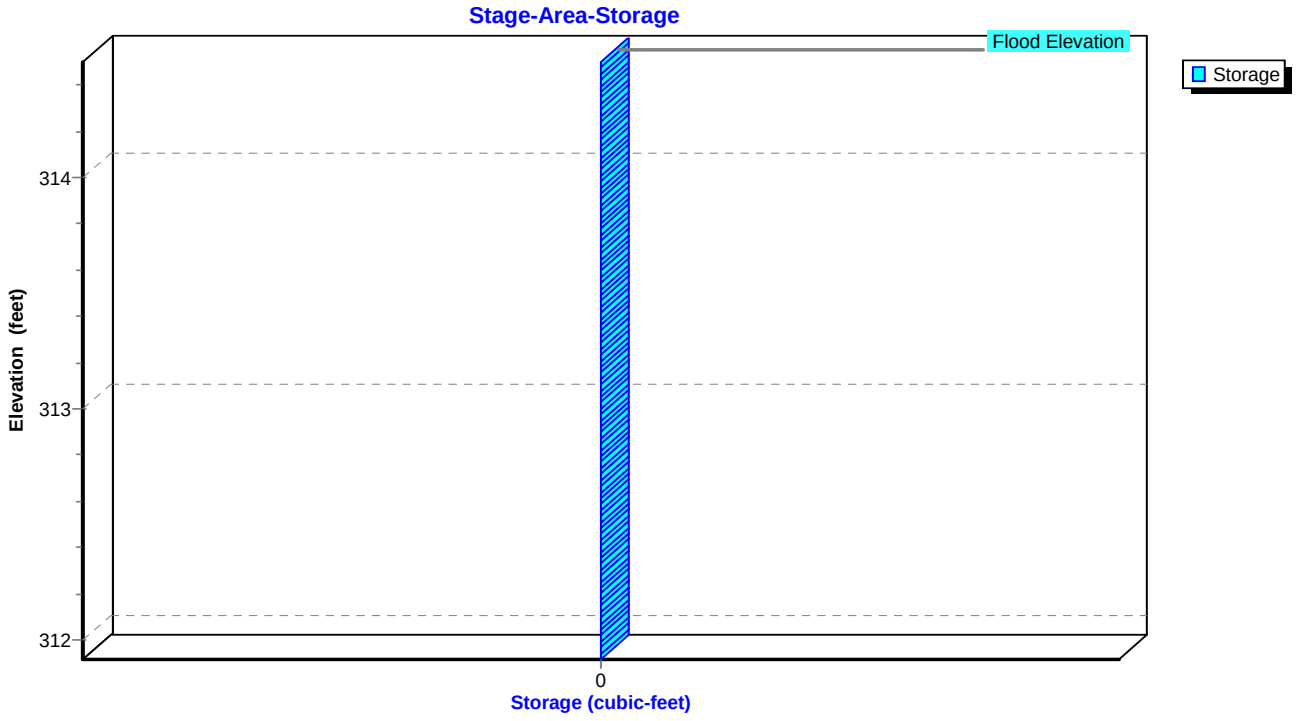
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.93	0.00
9.00	0.00	311.95	0.00
9.50	0.01	311.97	0.01
10.00	0.02	311.98	0.02
10.50	0.03	312.00	0.03
11.00	0.05	312.02	0.05
11.50	0.10	312.06	0.10
12.00	**1.39**	**312.49**	**1.39**
12.50	**0.22**	**312.13**	**0.22**
13.00	0.12	312.08	0.12
13.50	0.10	312.07	0.10
14.00	0.08	312.05	0.08
14.50	0.08	312.04	0.08
15.00	0.07	312.04	0.07
15.50	0.06	312.03	0.06
16.00	0.05	312.02	0.05
16.50	0.04	312.01	0.04
17.00	0.04	312.01	0.04
17.50	0.03	312.00	0.03
18.00	0.03	312.00	0.03
18.50	0.03	311.99	0.03
19.00	0.03	311.99	0.03
19.50	0.02	311.99	0.02
20.00	0.02	311.99	0.02
20.50	0.02	311.99	0.02
21.00	0.02	311.99	0.02
21.50	0.02	311.98	0.02
22.00	0.02	311.98	0.02
22.50	0.02	311.98	0.02
23.00	0.02	311.98	0.02
23.50	0.02	311.98	0.02
24.00	0.02	311.98	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

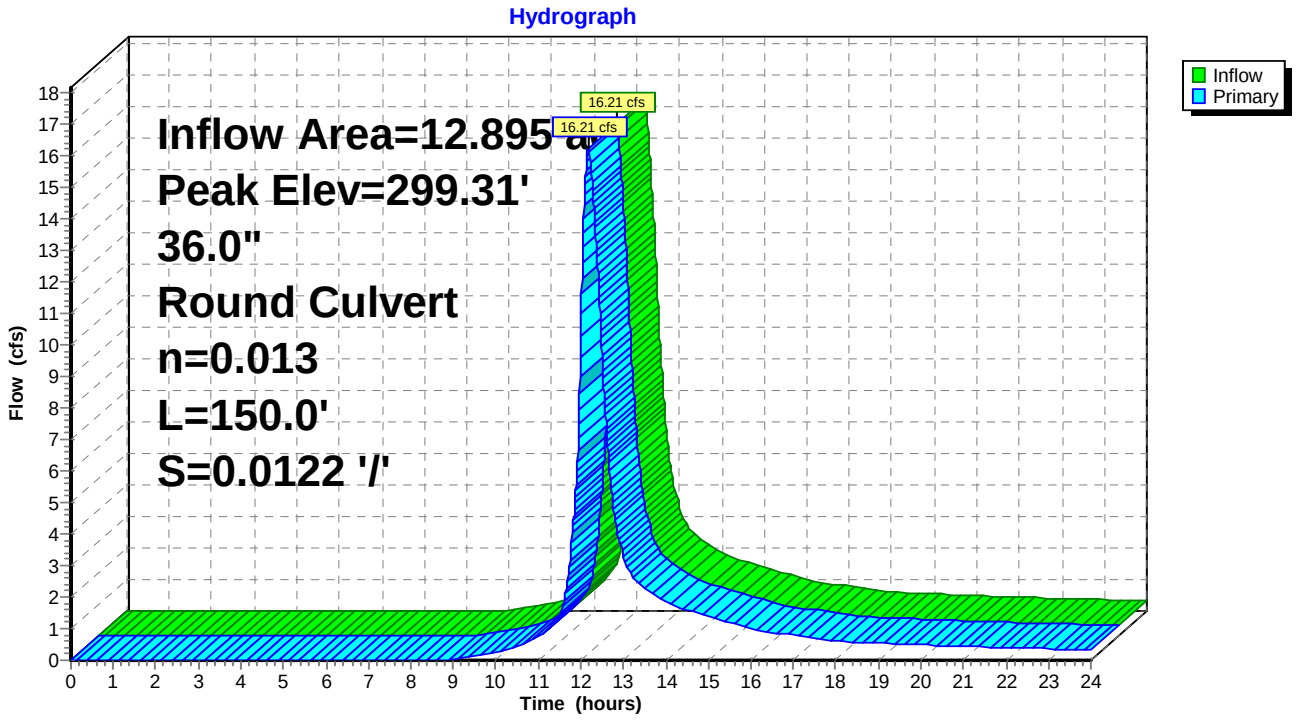
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af
Outflow = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af, Atten= 0%, Lag= 0.0 min
Primary = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.31' @ 12.17 hrs
Flood Elev= 303.50'

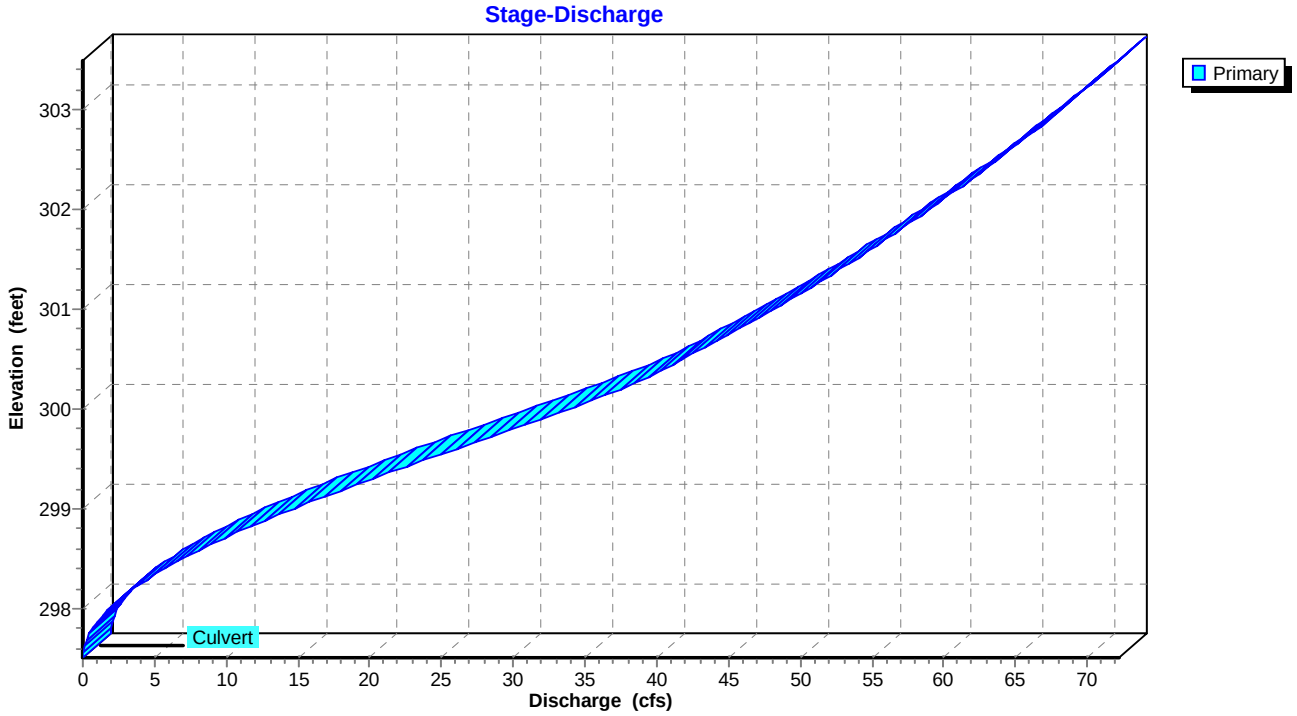
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.24 cfs @ 12.17 hrs HW=299.31' TW=298.16' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.24 cfs @ 5.24 fps)

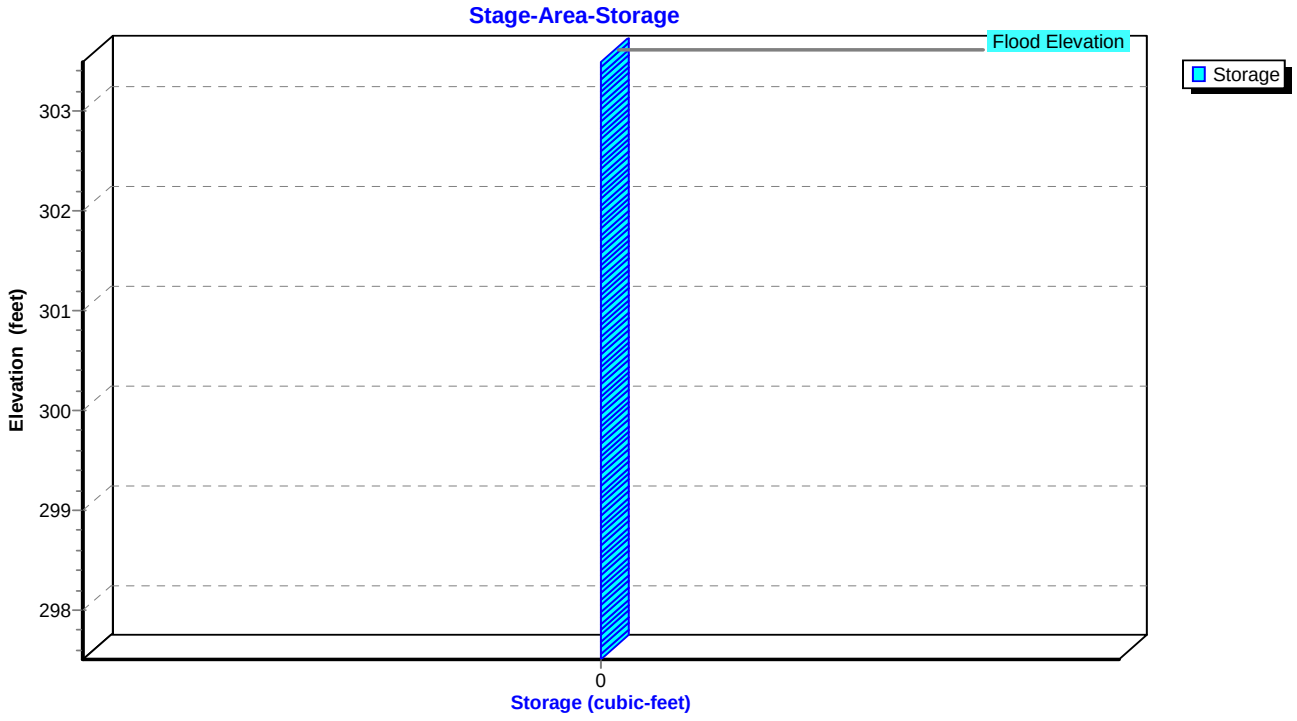
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.50	0.00
7.00	0.00	297.50	0.00
7.50	0.00	297.50	0.00
8.00	0.00	297.50	0.00
8.50	0.01	297.53	0.01
9.00	0.04	297.58	0.04
9.50	0.12	297.64	0.12
10.00	0.26	297.70	0.26
10.50	0.46	297.77	0.46
11.00	0.75	297.84	0.75
11.50	1.44	297.97	1.44
12.00	**10.30**	**298.86**	**10.30**
12.50	**9.68**	**298.82**	**9.68**
13.00	3.31	298.23	3.31
13.50	2.25	298.09	2.25
14.00	1.84	298.03	1.84
14.50	1.58	297.99	1.58
15.00	1.39	297.96	1.39
15.50	1.20	297.93	1.20
16.00	1.00	297.89	1.00
16.50	0.87	297.87	0.87
17.00	0.79	297.85	0.79
17.50	0.70	297.83	0.70
18.00	0.61	297.81	0.61
18.50	0.56	297.79	0.56
19.00	0.53	297.79	0.53
19.50	0.51	297.78	0.51
20.00	0.48	297.77	0.48
20.50	0.46	297.77	0.46
21.00	0.44	297.76	0.44
21.50	0.42	297.76	0.42
22.00	0.40	297.75	0.40
22.50	0.38	297.74	0.38
23.00	0.36	297.74	0.36
23.50	0.34	297.73	0.34
24.00	0.32	297.72	0.32

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

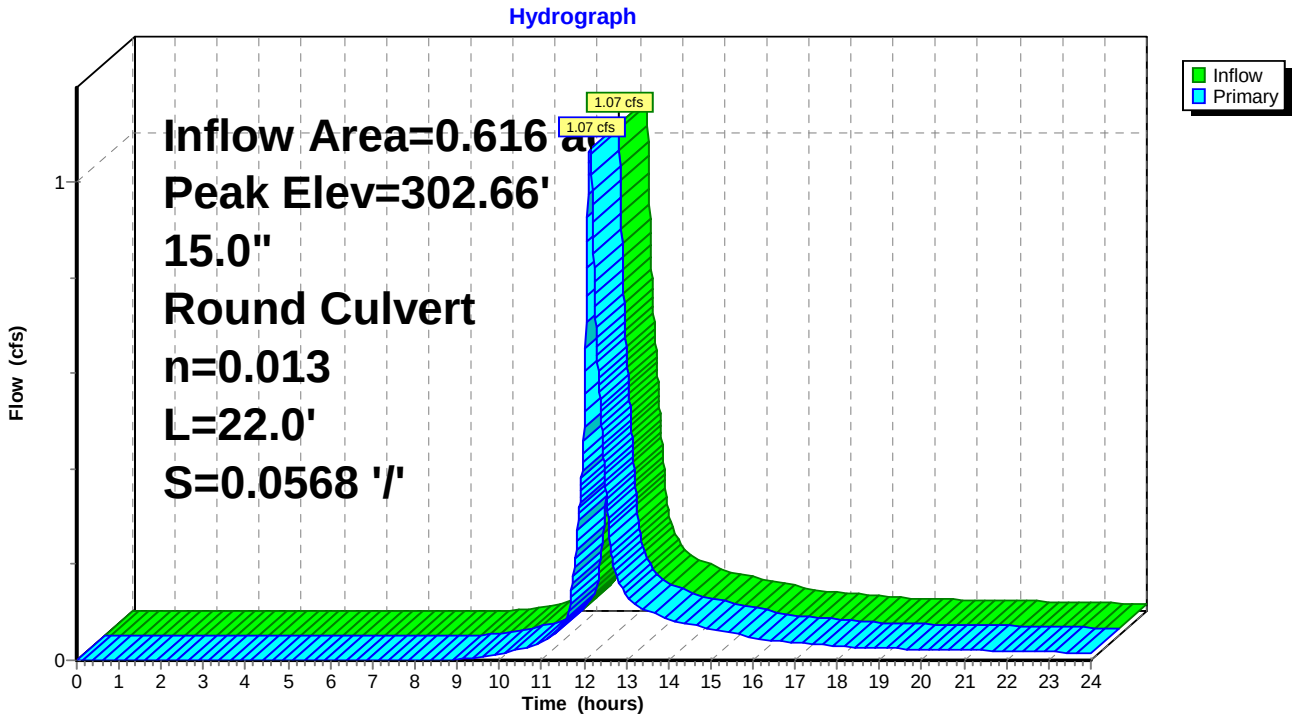
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af
Outflow = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.66' @ 12.14 hrs
Flood Elev= 304.80'

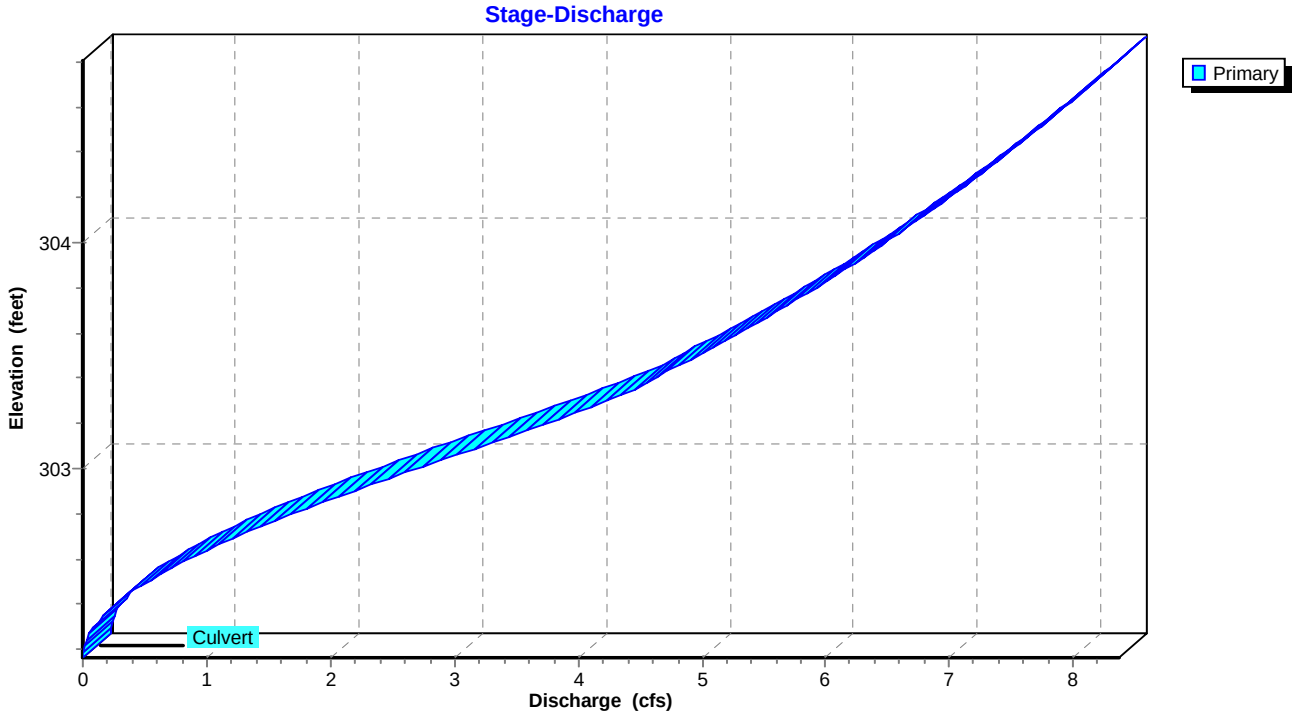
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.07 cfs @ 12.14 hrs HW=302.66' TW=299.30' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.07 cfs @ 2.39 fps)

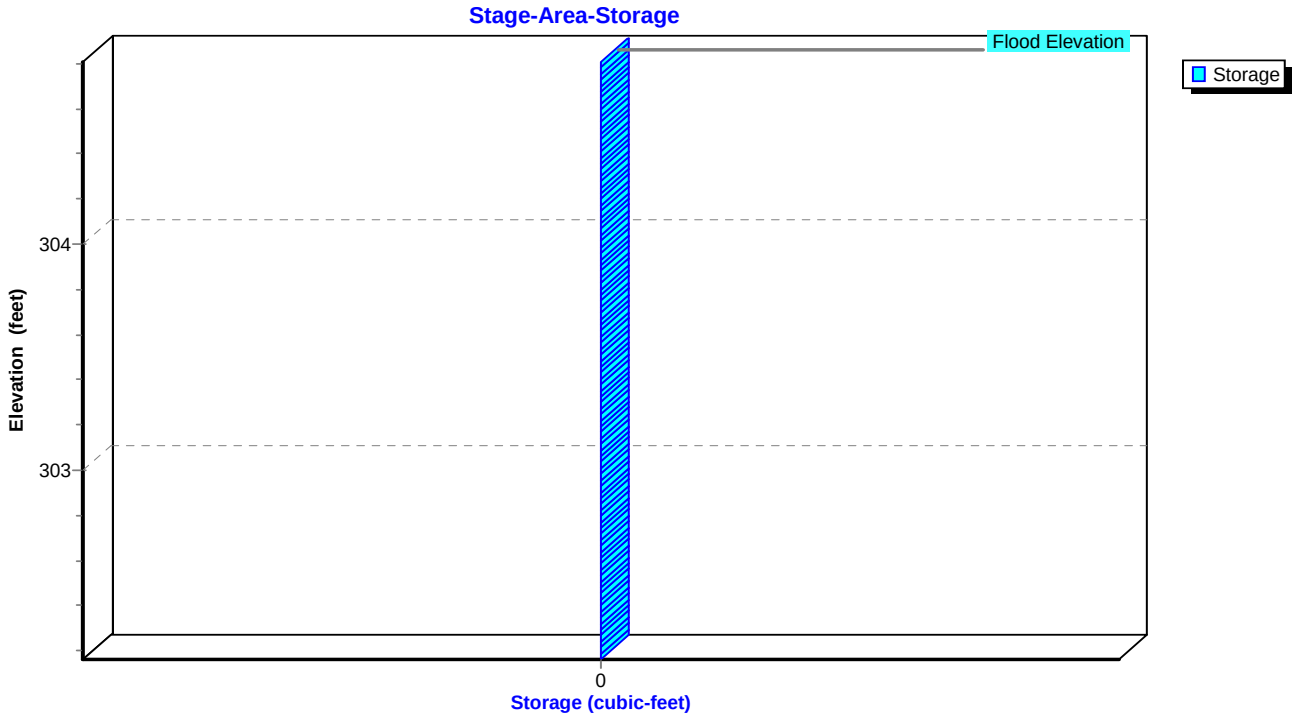
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.17	0.00
8.50	0.00	302.17	0.00
9.00	0.00	302.19	0.00
9.50	0.01	302.21	0.01
10.00	0.01	302.22	0.01
10.50	0.02	302.24	0.02
11.00	0.04	302.26	0.04
11.50	0.07	302.29	0.07
12.00	**0.49**	**302.49**	**0.49**
12.50	**0.39**	**302.46**	**0.39**
13.00	0.14	302.34	0.14
13.50	0.10	302.32	0.10
14.00	0.09	302.30	0.09
14.50	0.07	302.29	0.07
15.00	0.07	302.29	0.07
15.50	0.06	302.28	0.06
16.00	0.05	302.27	0.05
16.50	0.04	302.26	0.04
17.00	0.04	302.26	0.04
17.50	0.03	302.25	0.03
18.00	0.03	302.25	0.03
18.50	0.03	302.24	0.03
19.00	0.03	302.24	0.03
19.50	0.02	302.24	0.02
20.00	0.02	302.24	0.02
20.50	0.02	302.24	0.02
21.00	0.02	302.23	0.02
21.50	0.02	302.23	0.02
22.00	0.02	302.23	0.02
22.50	0.02	302.23	0.02
23.00	0.02	302.23	0.02
23.50	0.02	302.23	0.02
24.00	0.02	302.23	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

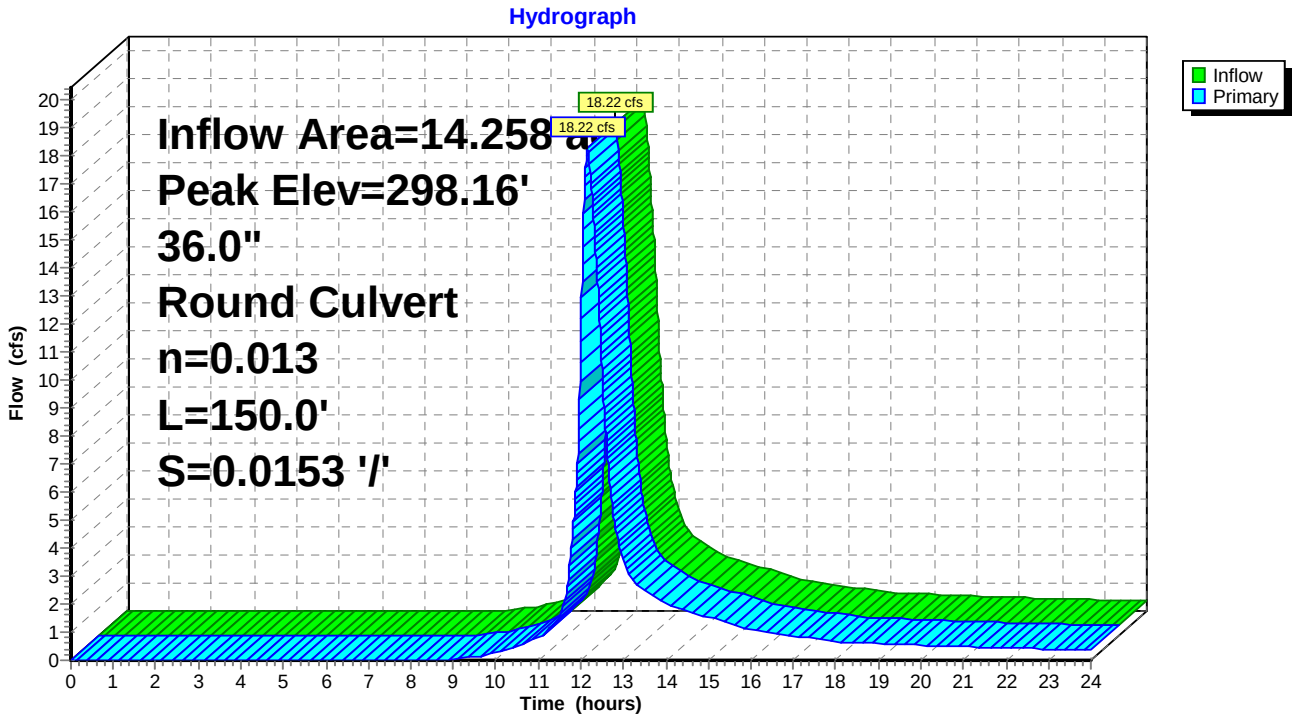
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 1.68" for 2-Year event
Inflow = 18.22 cfs @ 12.16 hrs, Volume= 1.997 af
Outflow = 18.22 cfs @ 12.16 hrs, Volume= 1.997 af, Atten= 0%, Lag= 0.0 min
Primary = 18.22 cfs @ 12.16 hrs, Volume= 1.997 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.16' @ 12.16 hrs
Flood Elev= 301.00'

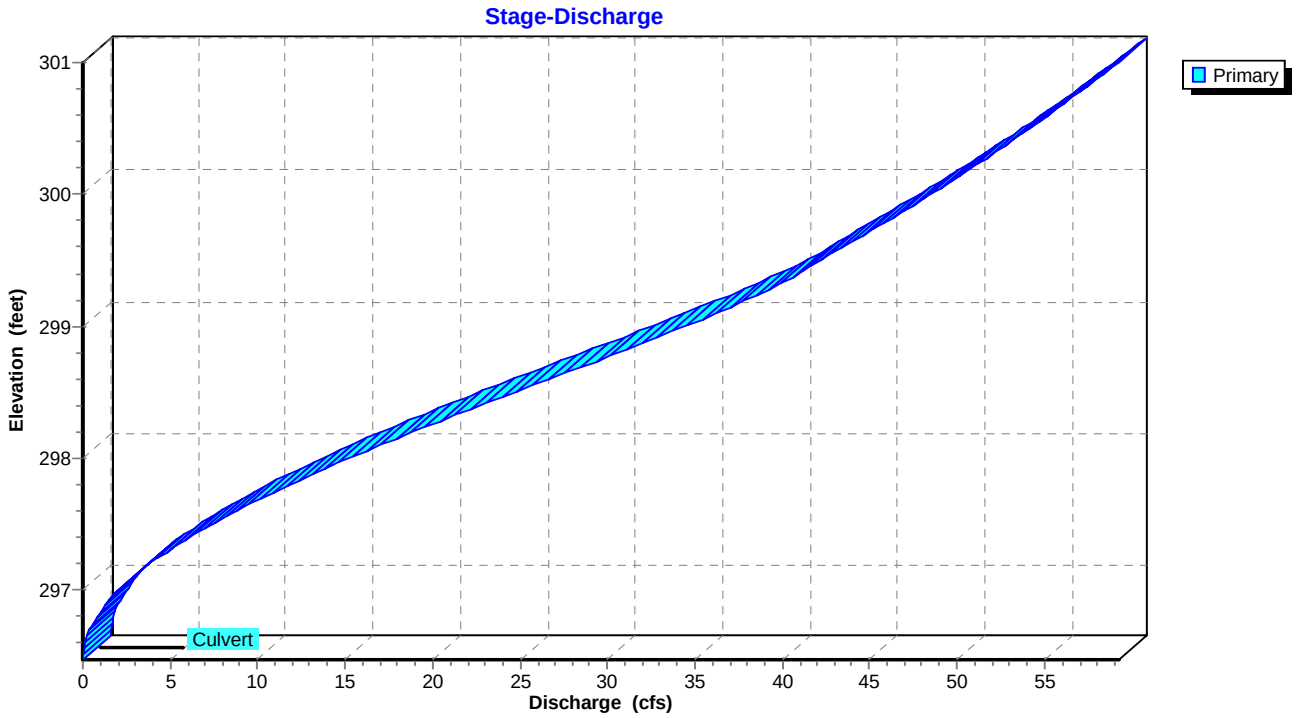
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=18.21 cfs @ 12.16 hrs HW=298.16' TW=295.54' (Dynamic Tailwater)
1=Culvert (Inlet Controls 18.21 cfs @ 4.43 fps)

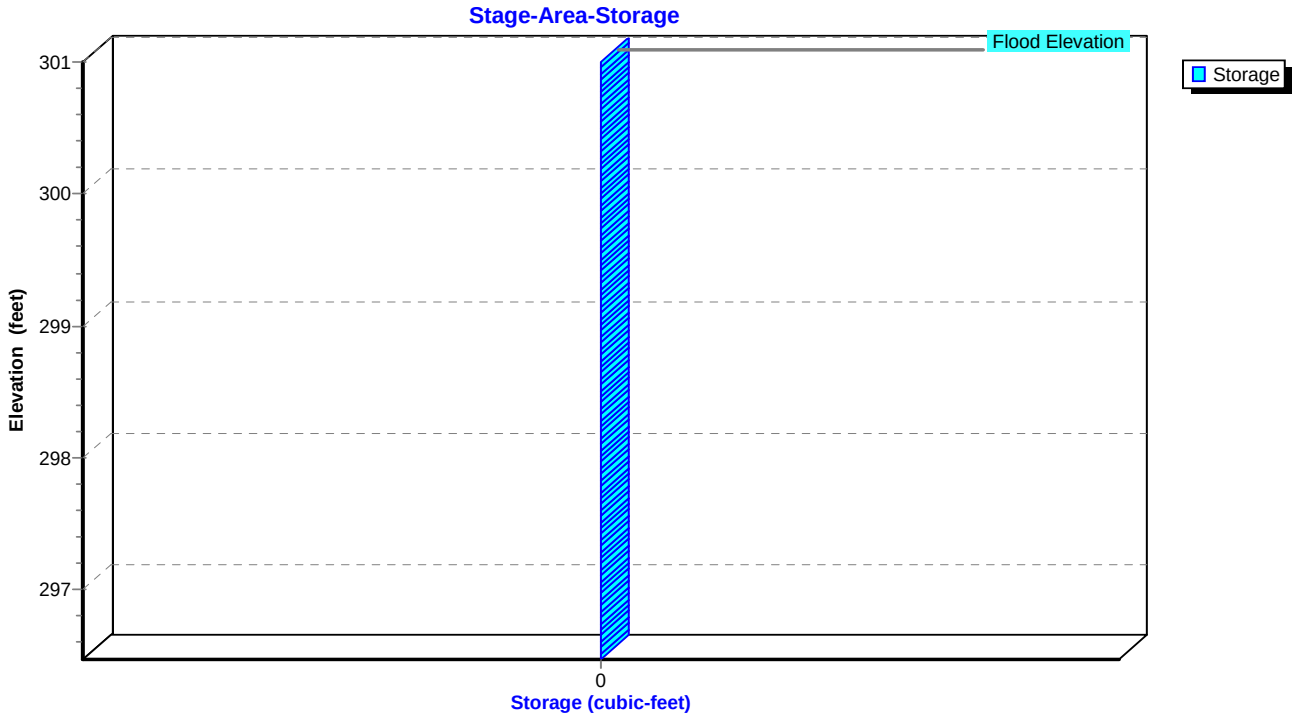
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.47	0.00
7.00	0.00	296.47	0.00
7.50	0.00	296.47	0.00
8.00	0.00	296.47	0.00
8.50	0.01	296.50	0.01
9.00	0.04	296.54	0.04
9.50	0.12	296.59	0.12
10.00	0.27	296.66	0.27
10.50	0.49	296.72	0.49
11.00	0.81	296.80	0.81
11.50	1.57	296.93	1.57
12.00	**11.35**	**297.77**	**11.35**
12.50	**10.37**	**297.70**	**10.37**
13.00	3.58	297.17	3.58
13.50	2.46	297.05	2.46
14.00	2.02	296.99	2.02
14.50	1.73	296.95	1.73
15.00	1.52	296.92	1.52
15.50	1.31	296.89	1.31
16.00	1.10	296.85	1.10
16.50	0.96	296.83	0.96
17.00	0.86	296.81	0.86
17.50	0.77	296.79	0.77
18.00	0.67	296.77	0.67
18.50	0.62	296.75	0.62
19.00	0.59	296.75	0.59
19.50	0.56	296.74	0.56
20.00	0.53	296.73	0.53
20.50	0.51	296.73	0.51
21.00	0.48	296.72	0.48
21.50	0.46	296.72	0.46
22.00	0.44	296.71	0.44
22.50	0.42	296.70	0.42
23.00	0.40	296.70	0.40
23.50	0.38	296.69	0.38
24.00	0.35	296.68	0.35

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

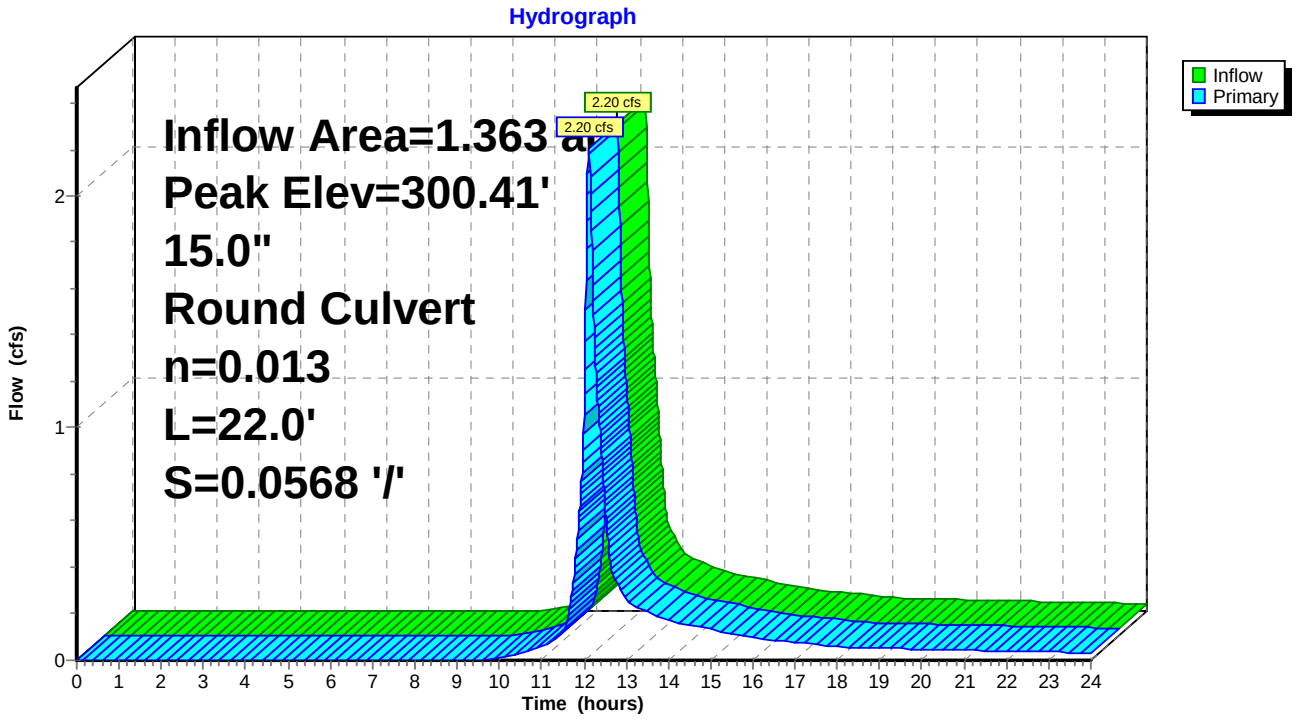
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 1.49" for 2-Year event
Inflow = 2.20 cfs @ 12.12 hrs, Volume= 0.170 af
Outflow = 2.20 cfs @ 12.12 hrs, Volume= 0.170 af, Atten= 0%, Lag= 0.0 min
Primary = 2.20 cfs @ 12.12 hrs, Volume= 0.170 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.41' @ 12.12 hrs
Flood Elev= 302.30'

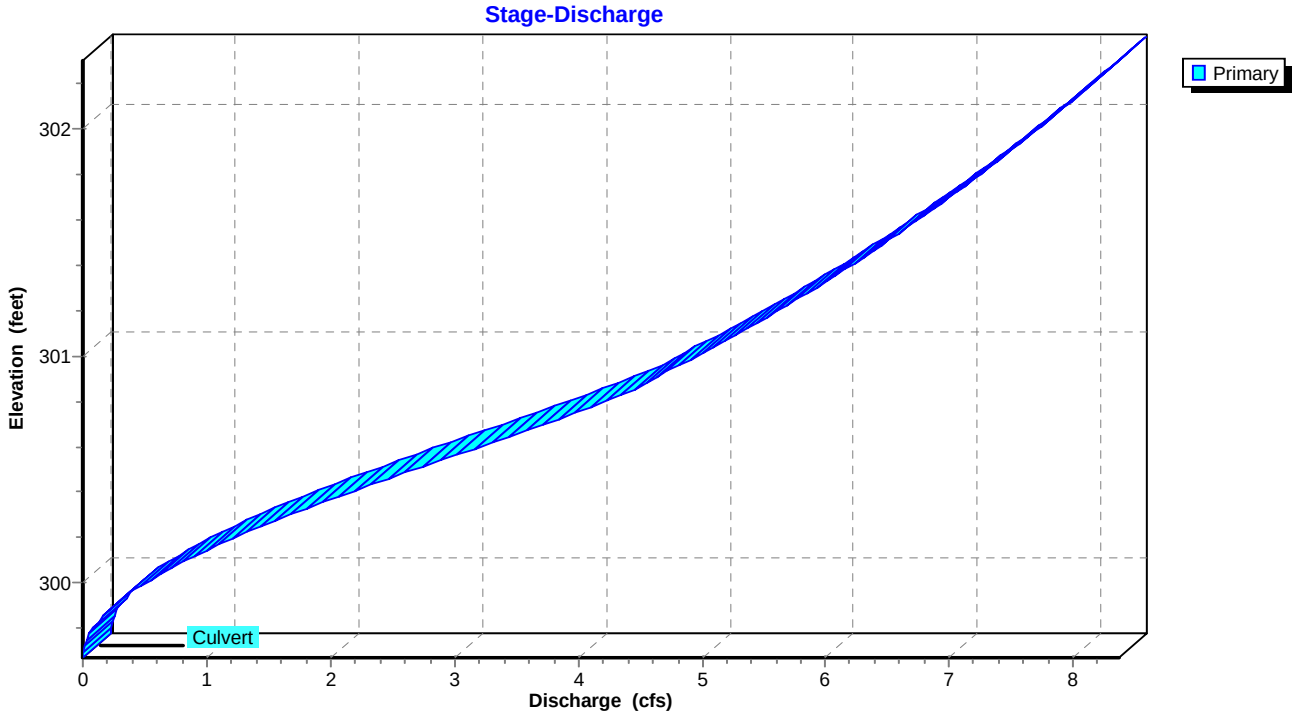
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.20 cfs @ 12.12 hrs HW=300.41' TW=298.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.20 cfs @ 2.92 fps)

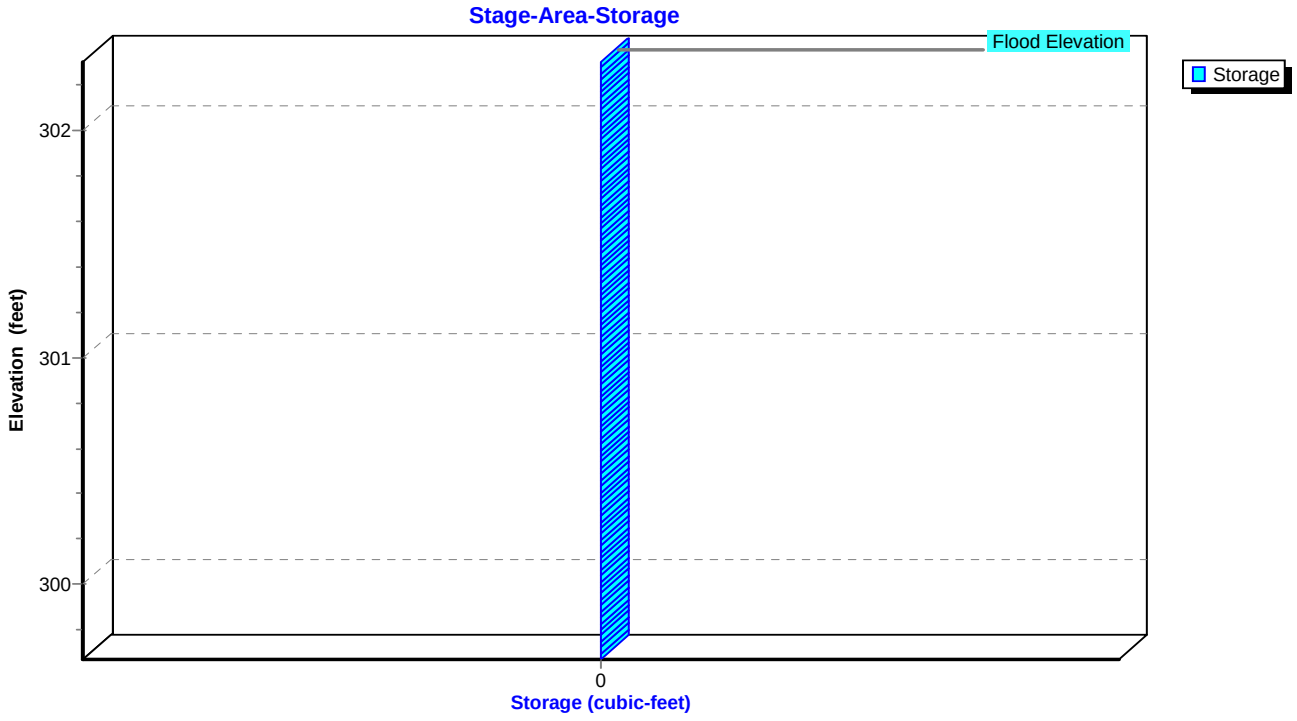
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.00	299.67	0.00
9.00	0.00	299.67	0.00
9.50	0.00	299.68	0.00
10.00	0.01	299.72	0.01
10.50	0.03	299.75	0.03
11.00	0.06	299.78	0.06
11.50	0.13	299.83	0.13
12.00	**1.05**	**300.16**	**1.05**
12.50	**0.69**	**300.06**	**0.69**
13.00	0.27	299.91	0.27
13.50	0.21	299.88	0.21
14.00	0.17	299.86	0.17
14.50	0.15	299.85	0.15
15.00	0.13	299.84	0.13
15.50	0.11	299.82	0.11
16.00	0.10	299.81	0.10
16.50	0.08	299.80	0.08
17.00	0.08	299.79	0.08
17.50	0.07	299.79	0.07
18.00	0.06	299.78	0.06
18.50	0.05	299.78	0.05
19.00	0.05	299.77	0.05
19.50	0.05	299.77	0.05
20.00	0.05	299.77	0.05
20.50	0.05	299.77	0.05
21.00	0.04	299.76	0.04
21.50	0.04	299.76	0.04
22.00	0.04	299.76	0.04
22.50	0.04	299.76	0.04
23.00	0.04	299.75	0.04
23.50	0.03	299.75	0.03
24.00	0.03	299.75	0.03

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

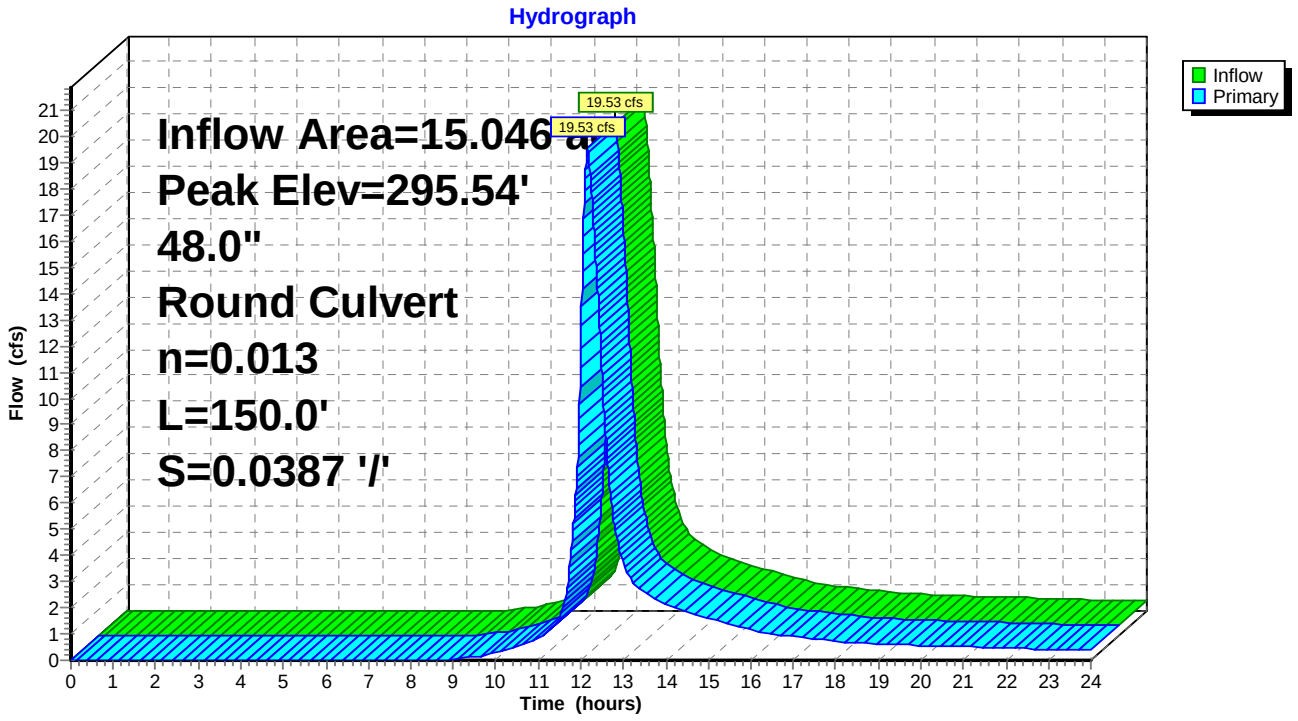
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 1.68" for 2-Year event
Inflow = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af
Outflow = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af, Atten= 0%, Lag= 0.0 min
Primary = 19.53 cfs @ 12.16 hrs, Volume= 2.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.54' @ 12.16 hrs
Flood Elev= 298.50'

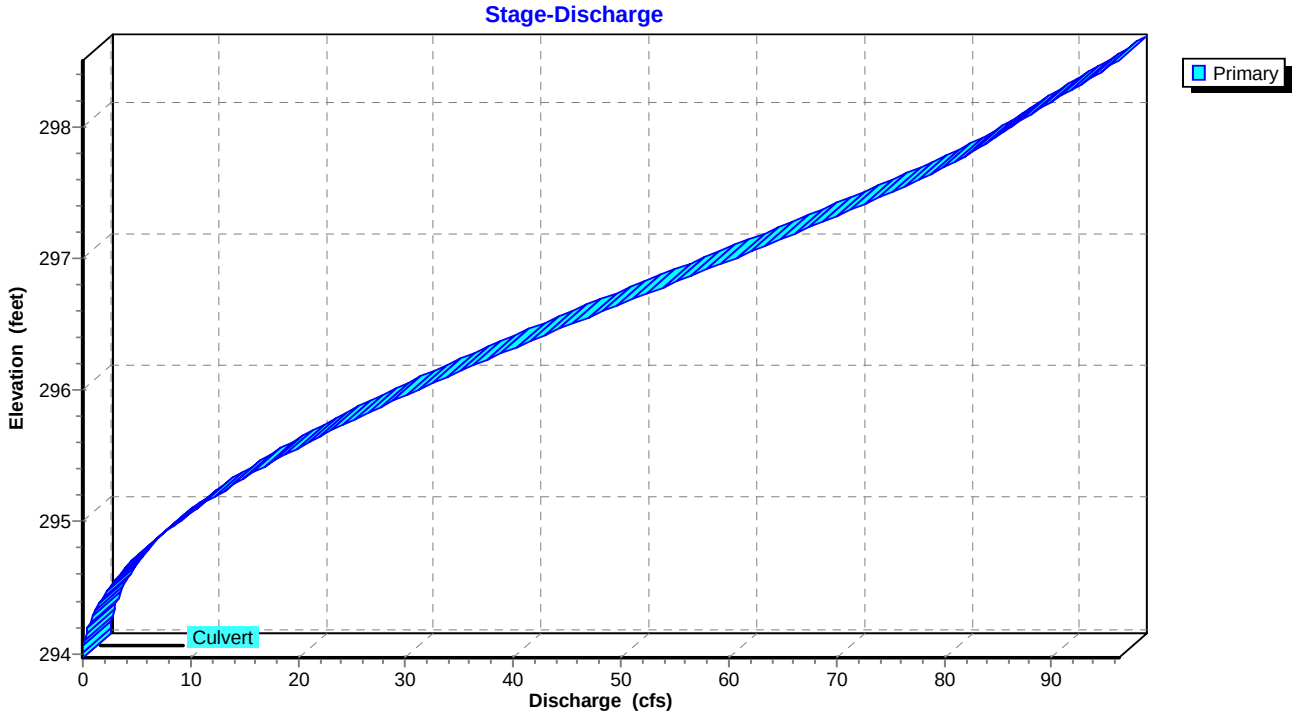
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=19.52 cfs @ 12.16 hrs HW=295.54' TW=288.48' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.52 cfs @ 4.27 fps)

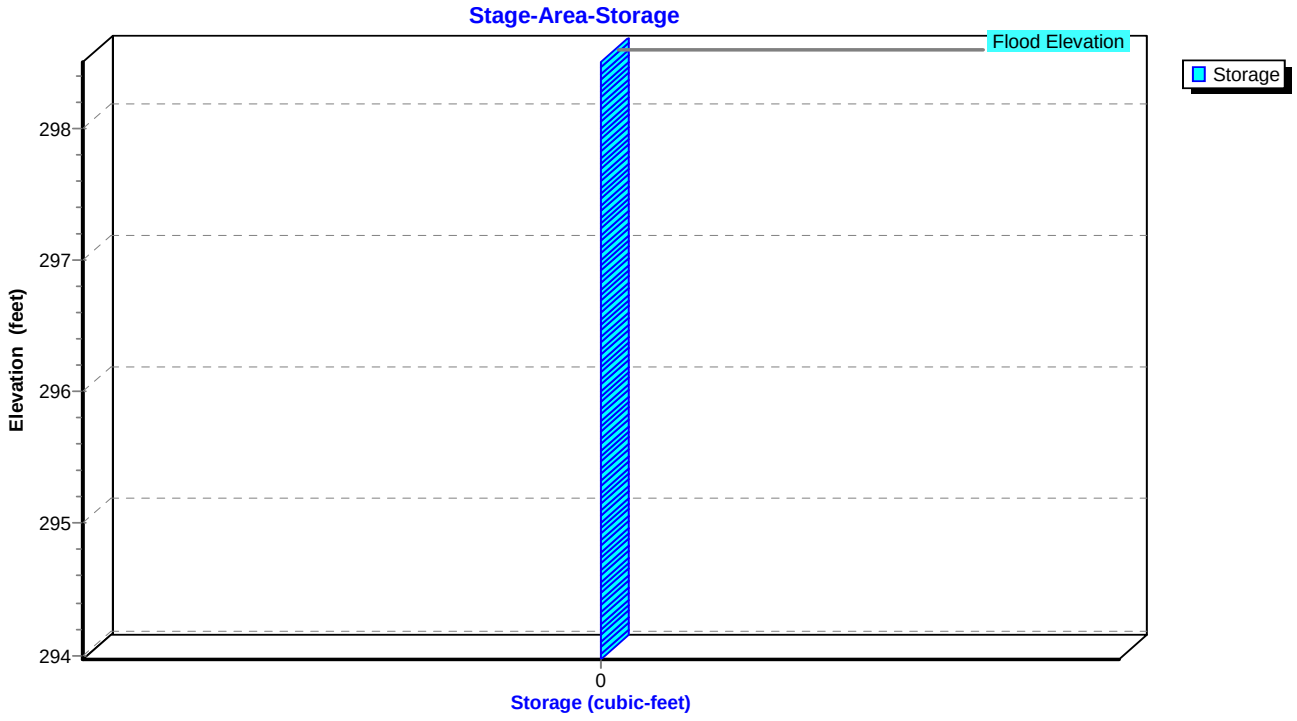
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.00	293.97	0.00
7.50	0.00	293.97	0.00
8.00	0.00	293.97	0.00
8.50	0.01	293.99	0.01
9.00	0.04	294.04	0.04
9.50	0.13	294.09	0.13
10.00	0.28	294.15	0.28
10.50	0.52	294.21	0.52
11.00	0.86	294.28	0.86
11.50	1.66	294.41	1.66
12.00	**11.93**	**295.18**	**11.93**
12.50	**10.90**	**295.12**	**10.90**
13.00	3.76	294.63	3.76
13.50	2.59	294.52	2.59
14.00	2.13	294.46	2.13
14.50	1.82	294.43	1.82
15.00	1.61	294.40	1.61
15.50	1.39	294.37	1.39
16.00	1.16	294.33	1.16
16.50	1.01	294.31	1.01
17.00	0.91	294.29	0.91
17.50	0.81	294.27	0.81
18.00	0.71	294.25	0.71
18.50	0.65	294.24	0.65
19.00	0.62	294.23	0.62
19.50	0.59	294.23	0.59
20.00	0.56	294.22	0.56
20.50	0.53	294.21	0.53
21.00	0.51	294.21	0.51
21.50	0.49	294.20	0.49
22.00	0.47	294.20	0.47
22.50	0.44	294.19	0.44
23.00	0.42	294.19	0.42
23.50	0.40	294.18	0.40
24.00	0.37	294.17	0.37

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

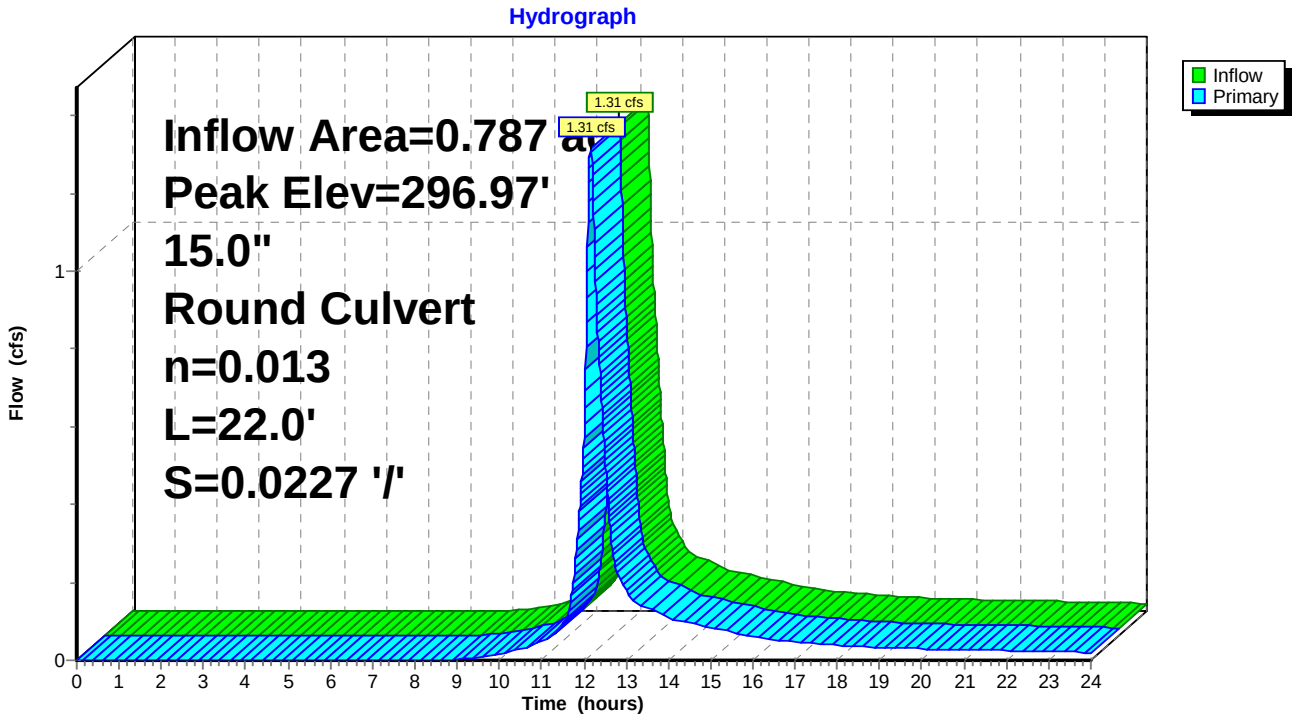
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 1.31 cfs @ 12.16 hrs, Volume= 0.112 af
Outflow = 1.31 cfs @ 12.16 hrs, Volume= 0.112 af, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.16 hrs, Volume= 0.112 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.97' @ 12.16 hrs
Flood Elev= 299.00'

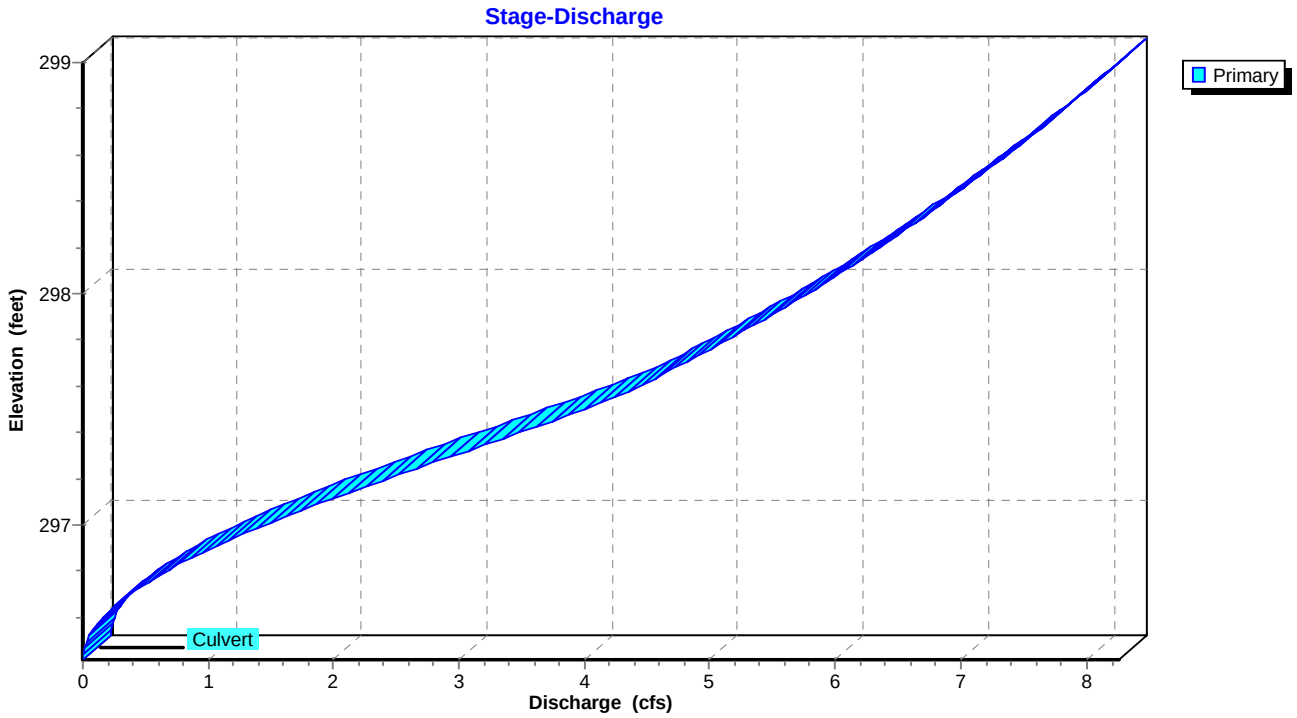
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.31 cfs @ 12.16 hrs HW=296.97' TW=295.54' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.31 cfs @ 2.52 fps)

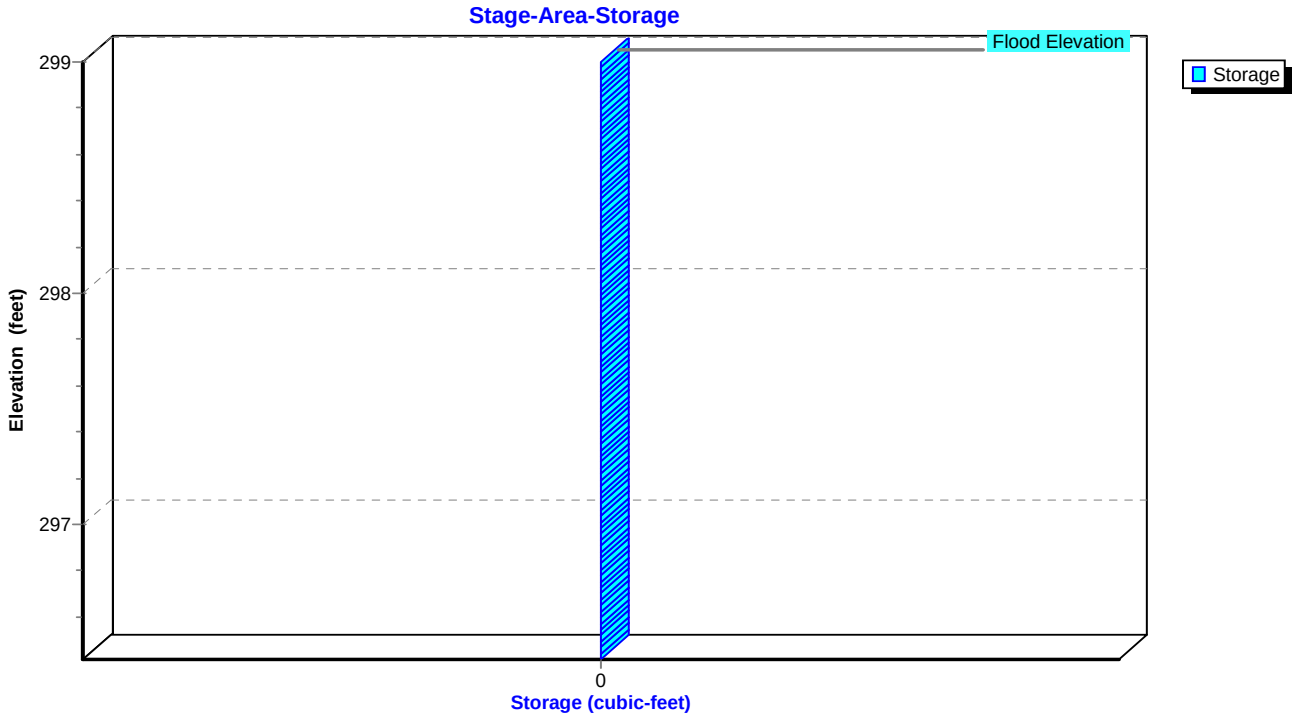
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.42	0.00
8.00	0.00	296.42	0.00
8.50	0.00	296.42	0.00
9.00	0.00	296.44	0.00
9.50	0.01	296.46	0.01
10.00	0.02	296.48	0.02
10.50	0.03	296.50	0.03
11.00	0.05	296.52	0.05
11.50	0.09	296.56	0.09
12.00	**0.57**	**296.77**	**0.57**
12.50	**0.53**	**296.76**	**0.53**
13.00	0.18	296.61	0.18
13.50	0.13	296.59	0.13
14.00	0.11	296.57	0.11
14.50	0.10	296.56	0.10
15.00	0.08	296.55	0.08
15.50	0.07	296.54	0.07
16.00	0.06	296.53	0.06
16.50	0.05	296.52	0.05
17.00	0.05	296.52	0.05
17.50	0.04	296.51	0.04
18.00	0.04	296.51	0.04
18.50	0.03	296.50	0.03
19.00	0.03	296.50	0.03
19.50	0.03	296.50	0.03
20.00	0.03	296.50	0.03
20.50	0.03	296.50	0.03
21.00	0.03	296.49	0.03
21.50	0.03	296.49	0.03
22.00	0.02	296.49	0.02
22.50	0.02	296.49	0.02
23.00	0.02	296.49	0.02
23.50	0.02	296.48	0.02
24.00	0.02	296.48	0.02

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

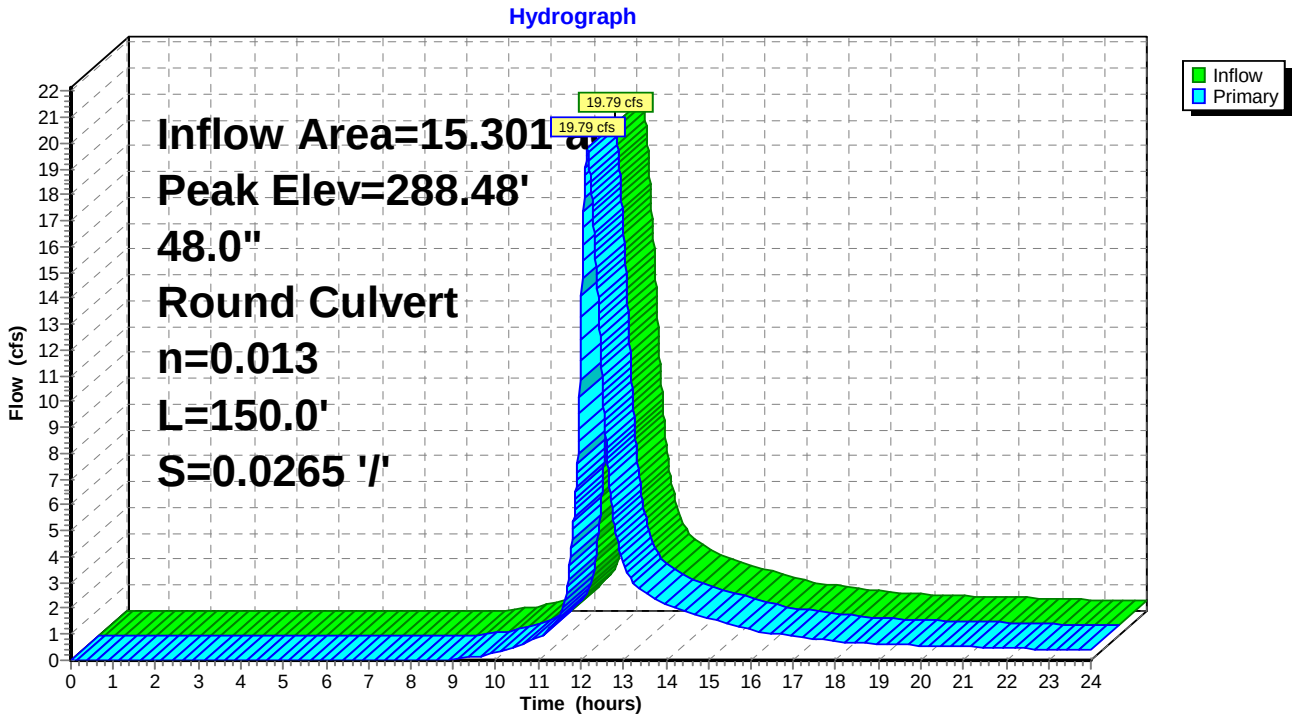
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 1.68" for 2-Year event
Inflow = 19.79 cfs @ 12.15 hrs, Volume= 2.144 af
Outflow = 19.79 cfs @ 12.15 hrs, Volume= 2.144 af, Atten= 0%, Lag= 0.0 min
Primary = 19.79 cfs @ 12.15 hrs, Volume= 2.144 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 288.48' @ 12.15 hrs
Flood Elev= 292.50'

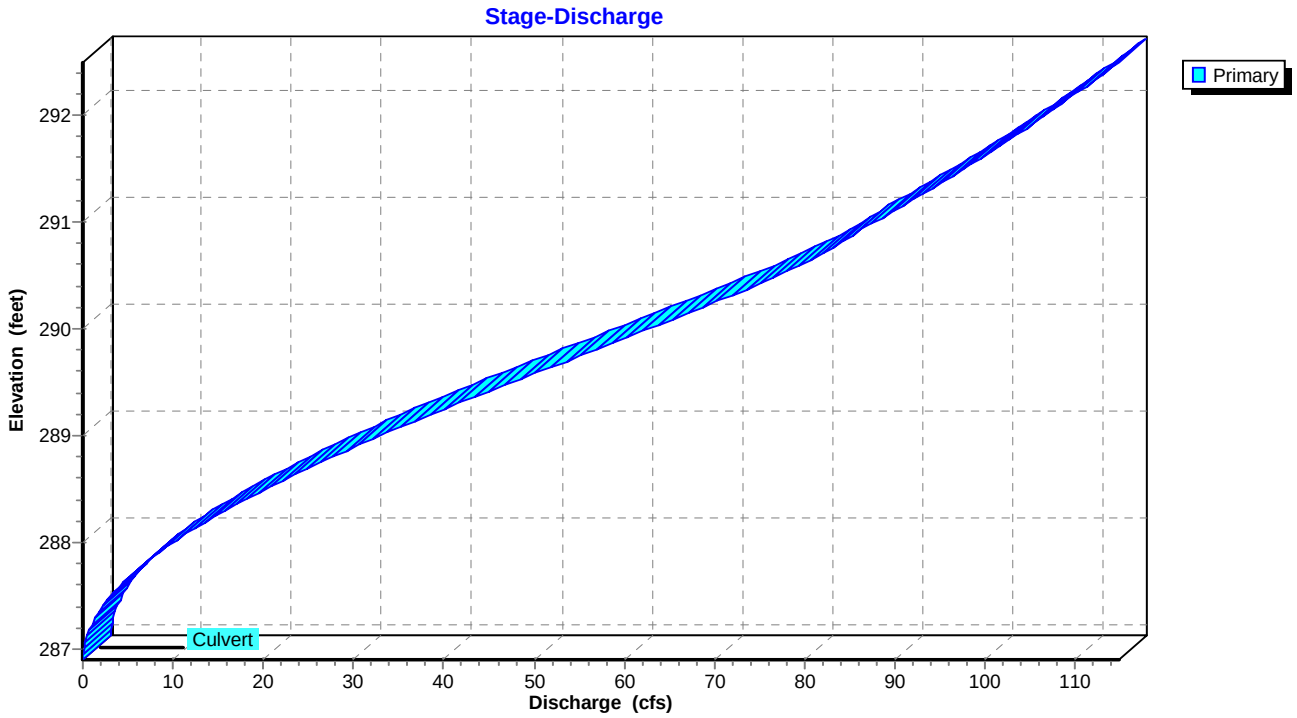
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=19.78 cfs @ 12.15 hrs HW=288.48' TW=284.53' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.78 cfs @ 4.28 fps)

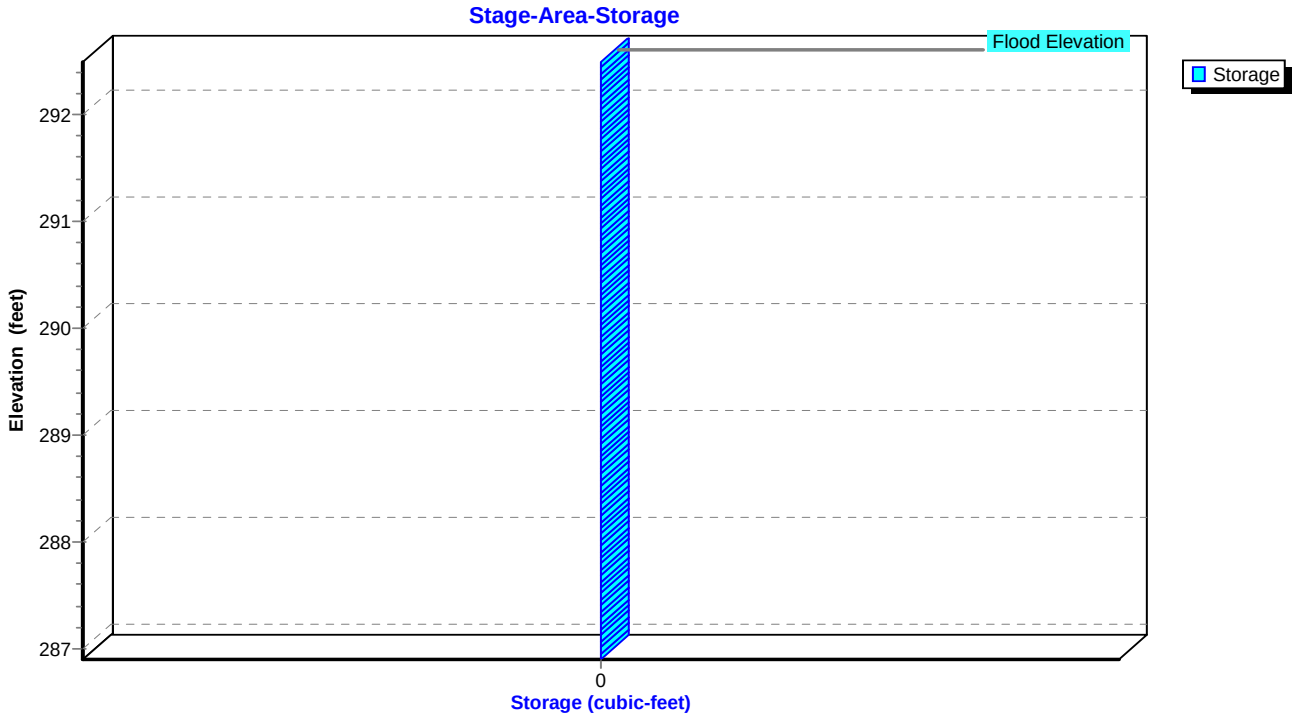
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.90	0.00
5.50	0.00	286.90	0.00
6.00	0.00	286.90	0.00
6.50	0.00	286.90	0.00
7.00	0.00	286.90	0.00
7.50	0.00	286.90	0.00
8.00	0.00	286.90	0.00
8.50	0.01	286.92	0.01
9.00	0.04	286.97	0.04
9.50	0.13	287.02	0.13
10.00	0.29	287.08	0.29
10.50	0.53	287.14	0.53
11.00	0.87	287.21	0.87
11.50	1.70	287.34	1.70
12.00	**12.39**	**288.13**	**12.39**
12.50	**10.99**	**288.05**	**10.99**
13.00	3.80	287.56	3.80
13.50	2.63	287.45	2.63
14.00	2.16	287.40	2.16
14.50	1.85	287.36	1.85
15.00	1.63	287.33	1.63
15.50	1.41	287.30	1.41
16.00	1.18	287.27	1.18
16.50	1.03	287.24	1.03
17.00	0.92	287.22	0.92
17.50	0.82	287.20	0.82
18.00	0.72	287.18	0.72
18.50	0.66	287.17	0.66
19.00	0.63	287.17	0.63
19.50	0.60	287.16	0.60
20.00	0.57	287.15	0.57
20.50	0.54	287.15	0.54
21.00	0.52	287.14	0.52
21.50	0.50	287.14	0.50
22.00	0.47	287.13	0.47
22.50	0.45	287.12	0.45
23.00	0.43	287.12	0.43
23.50	0.40	287.11	0.40
24.00	0.38	287.11	0.38

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

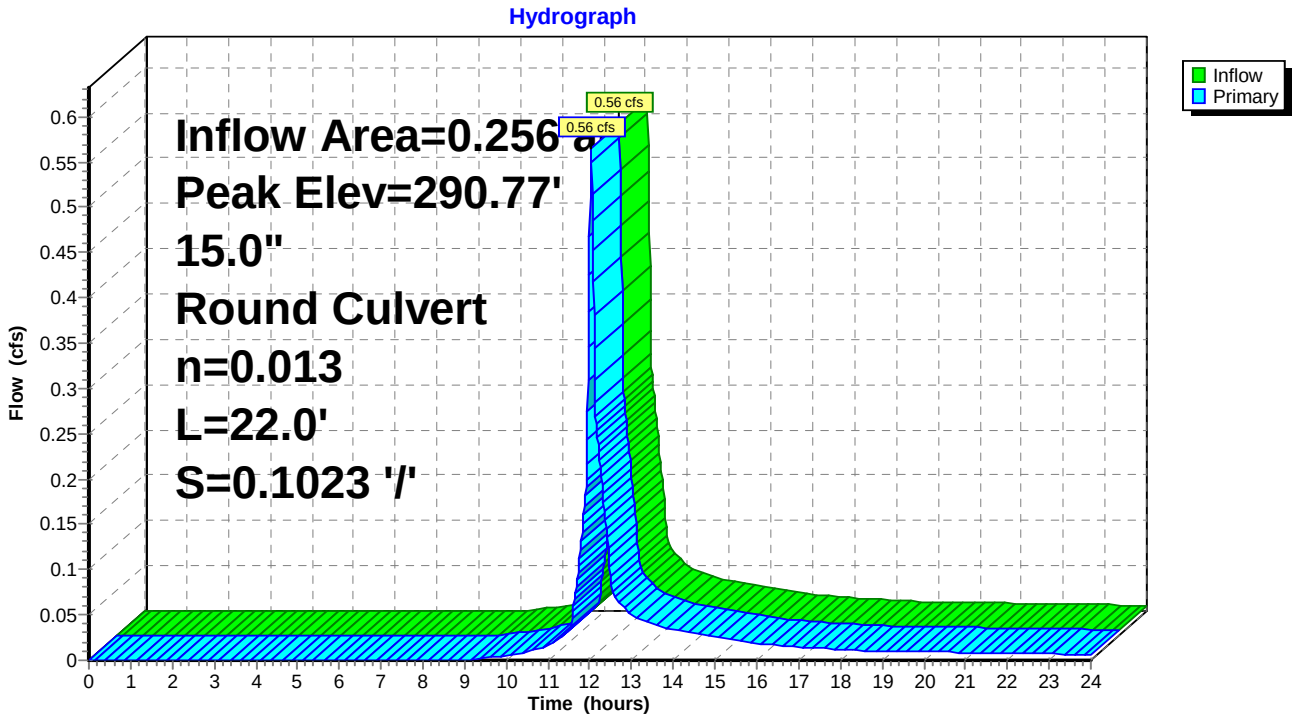
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 1.64" for 2-Year event
Inflow = 0.56 cfs @ 12.03 hrs, Volume= 0.035 af
Outflow = 0.56 cfs @ 12.03 hrs, Volume= 0.035 af, Atten= 0%, Lag= 0.0 min
Primary = 0.56 cfs @ 12.03 hrs, Volume= 0.035 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 290.77' @ 12.03 hrs
Flood Elev= 293.00'

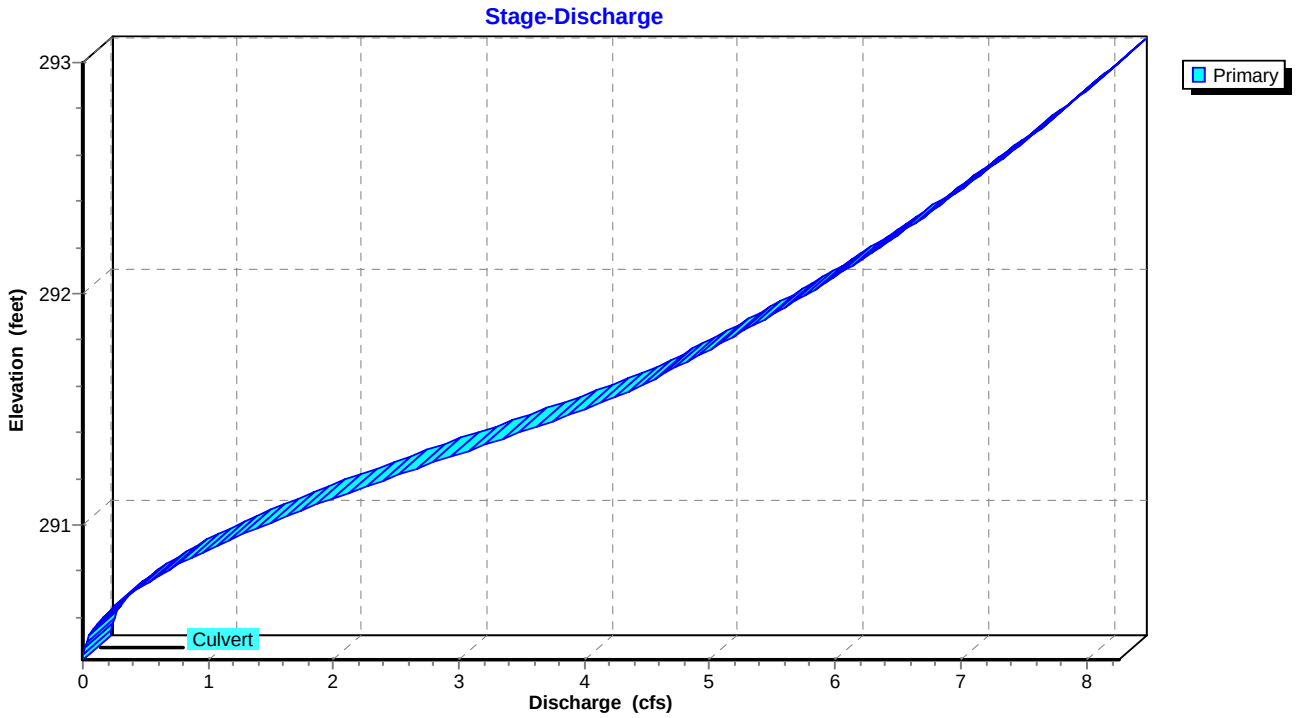
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.56 cfs @ 12.03 hrs HW=290.77' TW=288.26' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.56 cfs @ 2.01 fps)

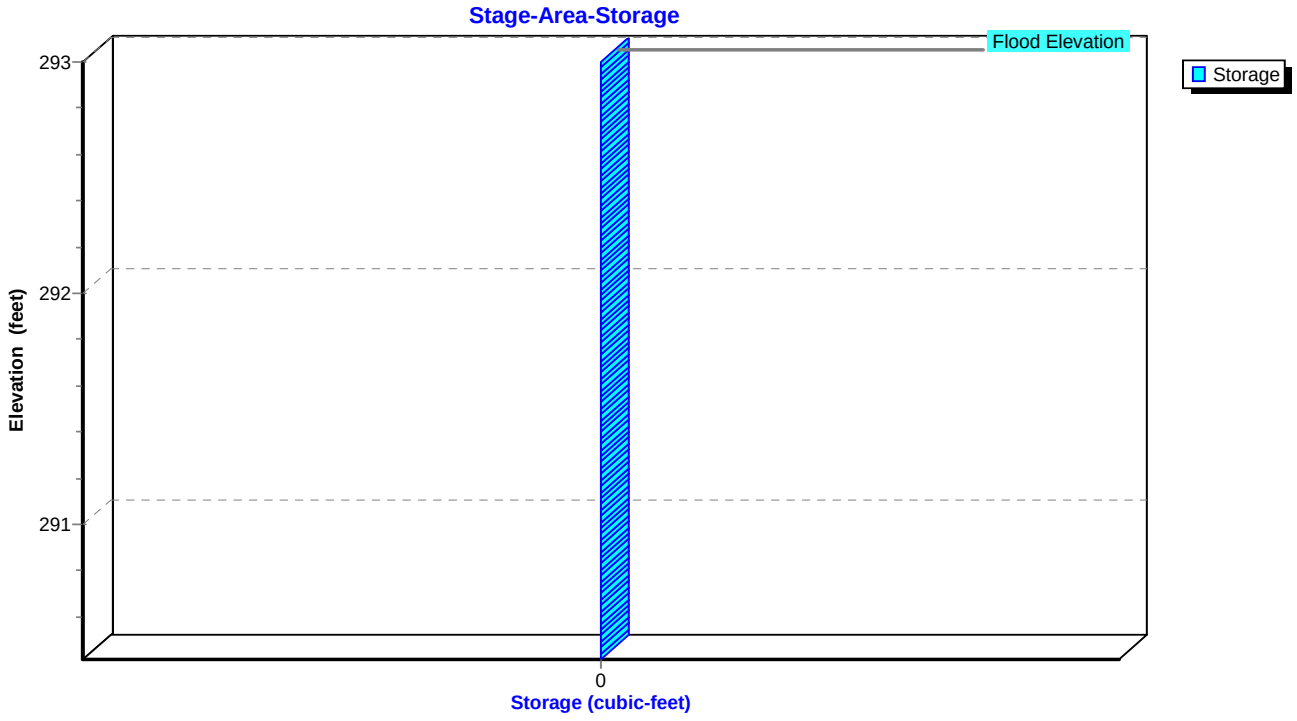
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.42	0.00
6.50	0.00	290.42	0.00
7.00	0.00	290.42	0.00
7.50	0.00	290.42	0.00
8.00	0.00	290.42	0.00
8.50	0.00	290.42	0.00
9.00	0.00	290.43	0.00
9.50	0.00	290.44	0.00
10.00	0.01	290.45	0.01
10.50	0.01	290.46	0.01
11.00	0.02	290.48	0.02
11.50	0.03	290.50	0.03
12.00	**0.47**	**290.74**	**0.47**
12.50	**0.09**	**290.56**	**0.09**
13.00	0.05	290.52	0.05
13.50	0.04	290.51	0.04
14.00	0.03	290.50	0.03
14.50	0.03	290.50	0.03
15.00	0.03	290.49	0.03
15.50	0.02	290.49	0.02
16.00	0.02	290.48	0.02
16.50	0.02	290.48	0.02
17.00	0.01	290.47	0.01
17.50	0.01	290.47	0.01
18.00	0.01	290.47	0.01
18.50	0.01	290.47	0.01
19.00	0.01	290.47	0.01
19.50	0.01	290.46	0.01
20.00	0.01	290.46	0.01
20.50	0.01	290.46	0.01
21.00	0.01	290.46	0.01
21.50	0.01	290.46	0.01
22.00	0.01	290.46	0.01
22.50	0.01	290.46	0.01
23.00	0.01	290.46	0.01
23.50	0.01	290.46	0.01
24.00	0.01	290.45	0.01

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

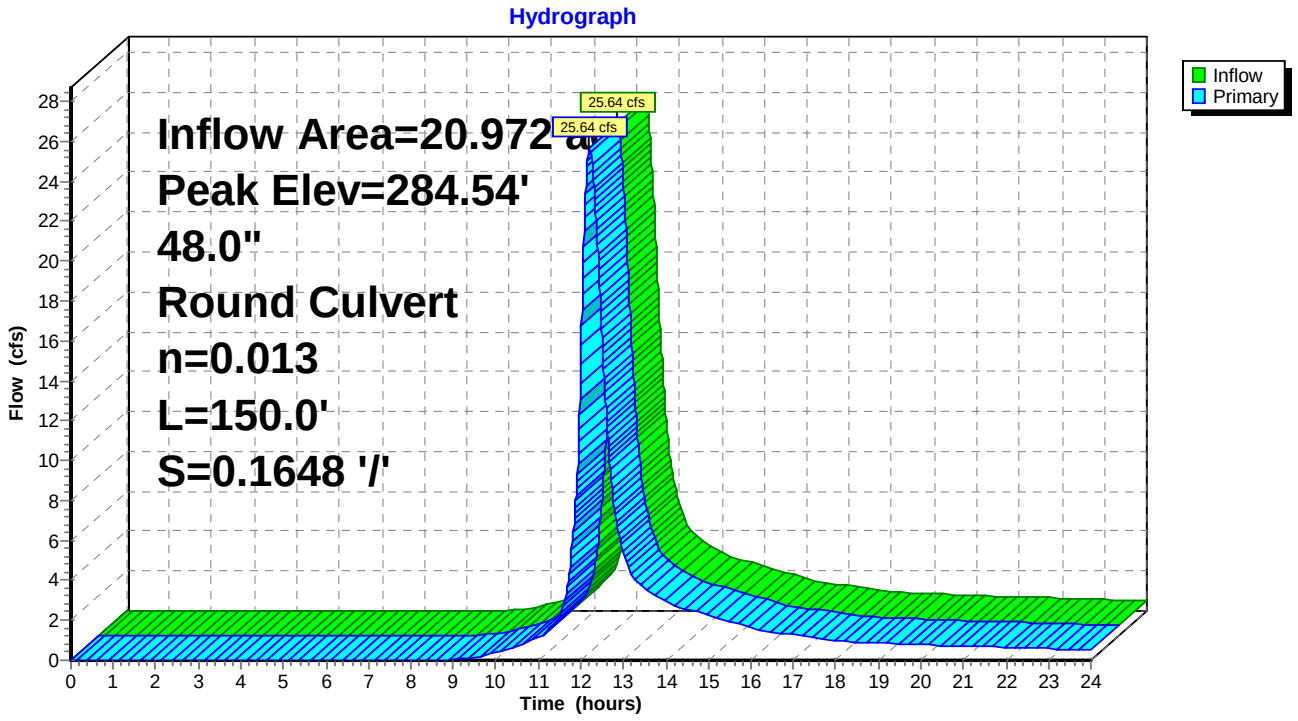
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 1.67" for 2-Year event
Inflow = 25.64 cfs @ 12.20 hrs, Volume= 2.913 af
Outflow = 25.64 cfs @ 12.20 hrs, Volume= 2.913 af, Atten= 0%, Lag= 0.0 min
Primary = 25.64 cfs @ 12.20 hrs, Volume= 2.913 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 284.54' @ 12.20 hrs
Flood Elev= 287.25'

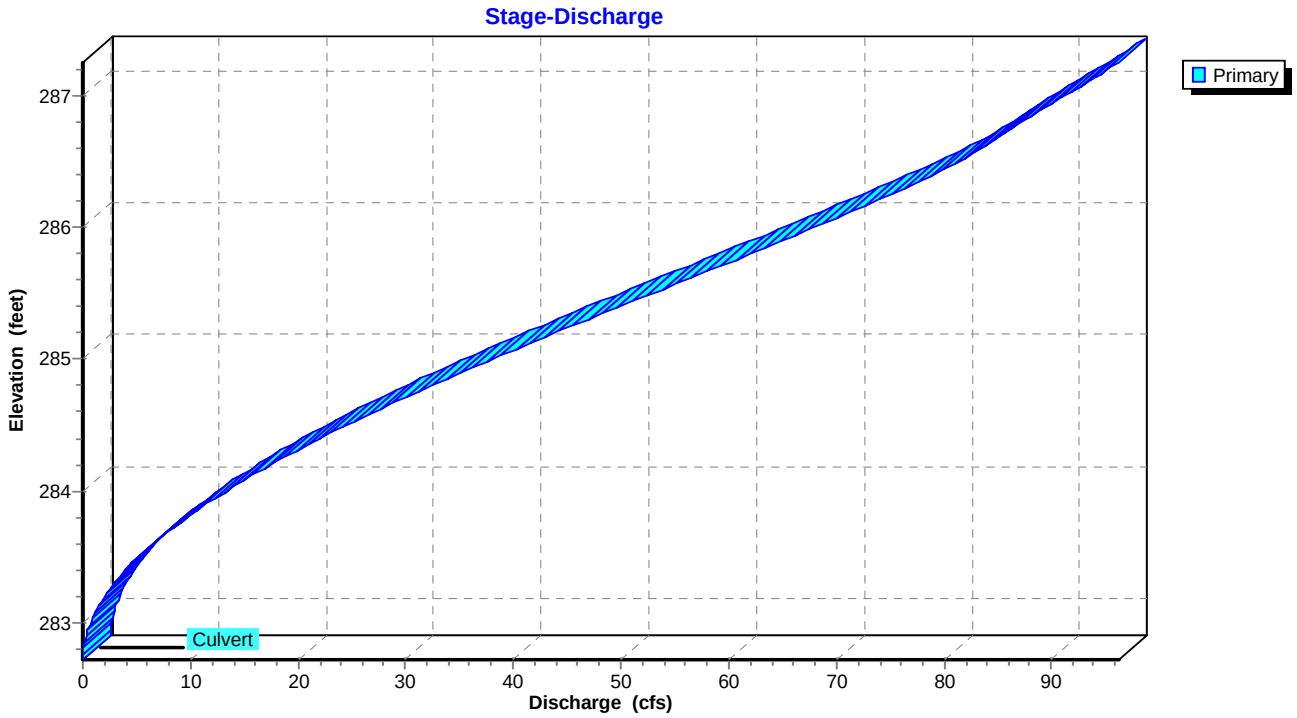
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=25.63 cfs @ 12.20 hrs HW=284.54' (Free Discharge)
1=Culvert (Inlet Controls 25.63 cfs @ 4.60 fps)

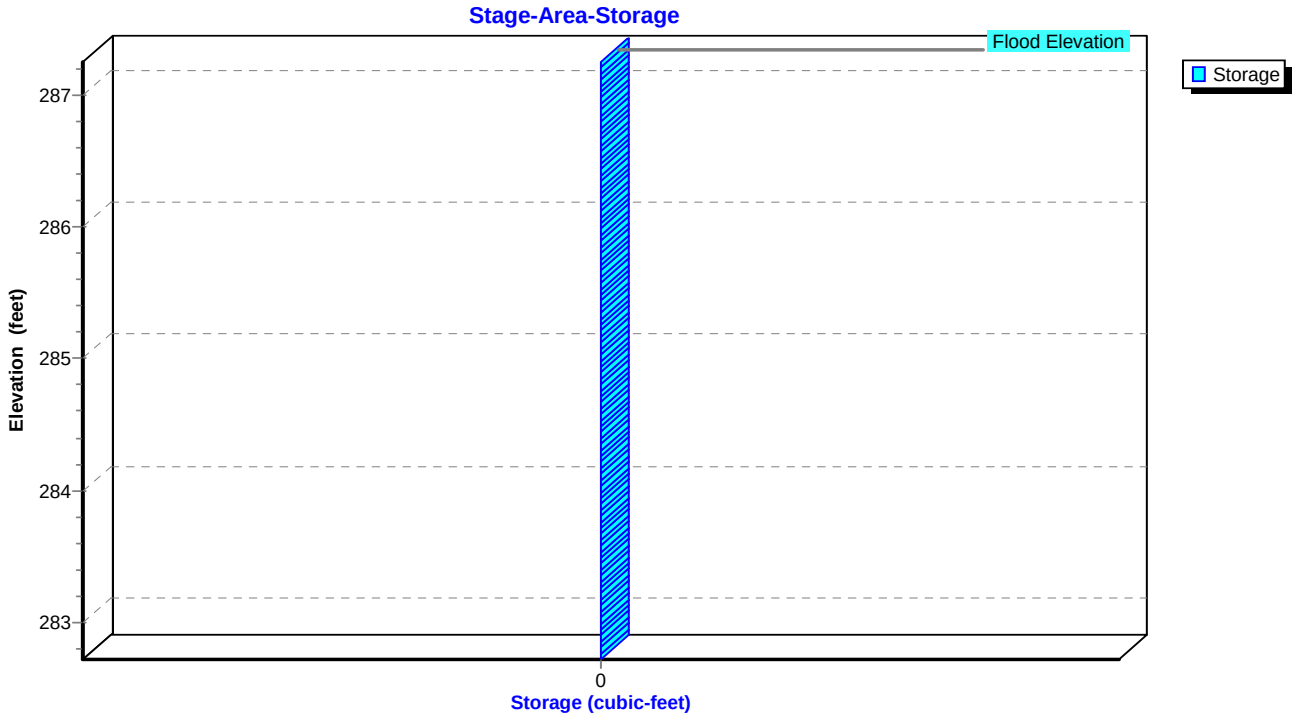
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.72	0.00
5.50	0.00	282.72	0.00
6.00	0.00	282.72	0.00
6.50	0.00	282.72	0.00
7.00	0.00	282.72	0.00
7.50	0.00	282.72	0.00
8.00	0.00	282.72	0.00
8.50	0.01	282.74	0.01
9.00	0.04	282.79	0.04
9.50	0.15	282.85	0.15
10.00	0.36	282.92	0.36
10.50	0.68	283.00	0.68
11.00	1.14	283.08	1.14
11.50	2.20	283.22	2.20
12.00	**14.82**	**284.07**	**14.82**
12.50	**16.17**	**284.14**	**16.17**
13.00	5.37	283.51	5.37
13.50	3.62	283.37	3.62
14.00	2.98	283.31	2.98
14.50	2.55	283.26	2.55
15.00	2.25	283.23	2.25
15.50	1.94	283.19	1.94
16.00	1.63	283.15	1.63
16.50	1.41	283.12	1.41
17.00	1.27	283.10	1.27
17.50	1.13	283.08	1.13
18.00	0.99	283.05	0.99
18.50	0.91	283.04	0.91
19.00	0.86	283.03	0.86
19.50	0.82	283.02	0.82
20.00	0.78	283.02	0.78
20.50	0.74	283.01	0.74
21.00	0.71	283.00	0.71
21.50	0.68	283.00	0.68
22.00	0.65	282.99	0.65
22.50	0.62	282.98	0.62
23.00	0.58	282.98	0.58
23.50	0.55	282.97	0.55
24.00	0.52	282.96	0.52

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

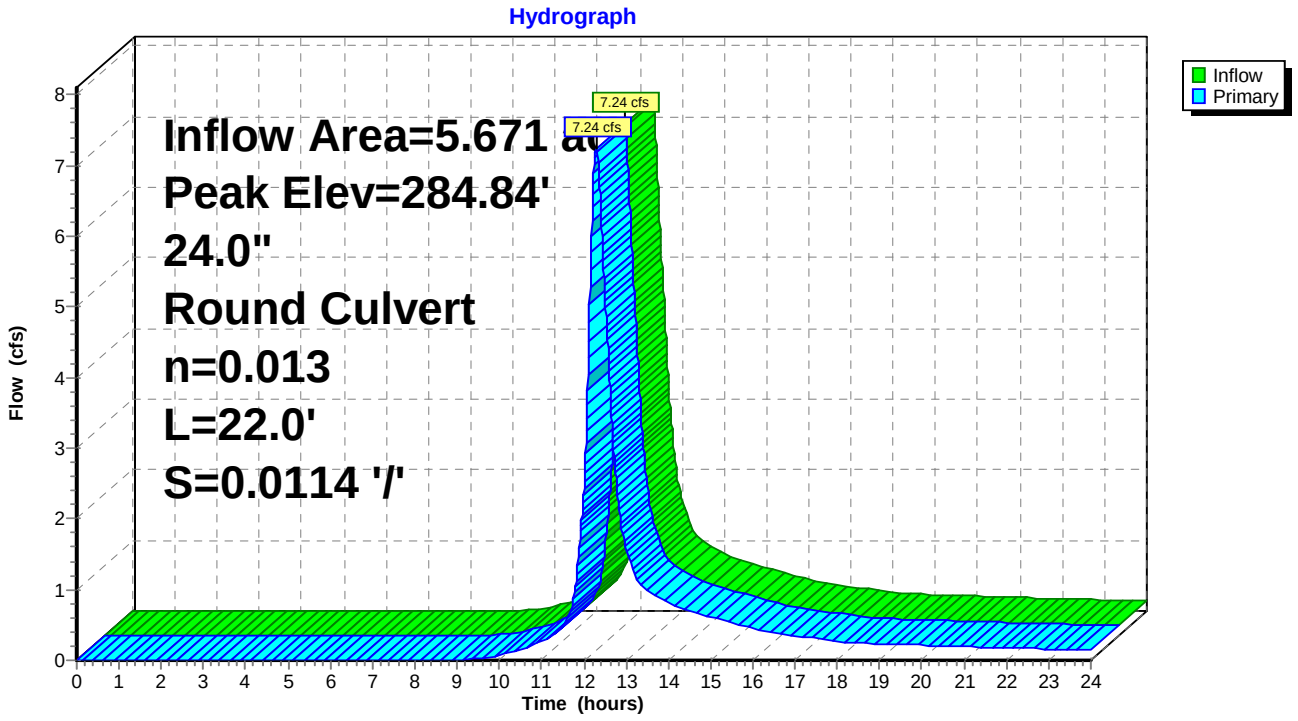
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 1.63" for 2-Year event
Inflow = 7.24 cfs @ 12.29 hrs, Volume= 0.770 af
Outflow = 7.24 cfs @ 12.29 hrs, Volume= 0.770 af, Atten= 0%, Lag= 0.0 min
Primary = 7.24 cfs @ 12.29 hrs, Volume= 0.770 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 284.84' @ 12.25 hrs
Flood Elev= 286.00'

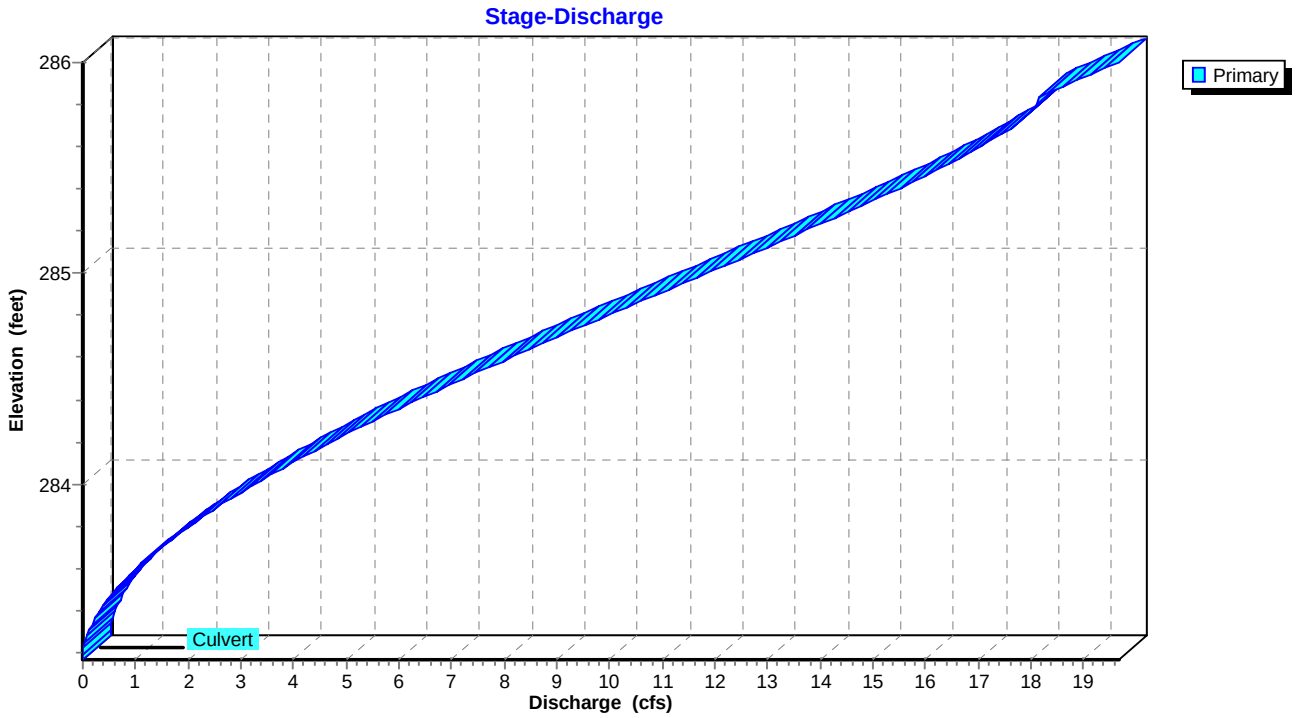
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.34 cfs @ 12.29 hrs HW=284.83' TW=284.49' (Dynamic Tailwater)
1=Culvert (Outlet Controls 7.34 cfs @ 3.56 fps)

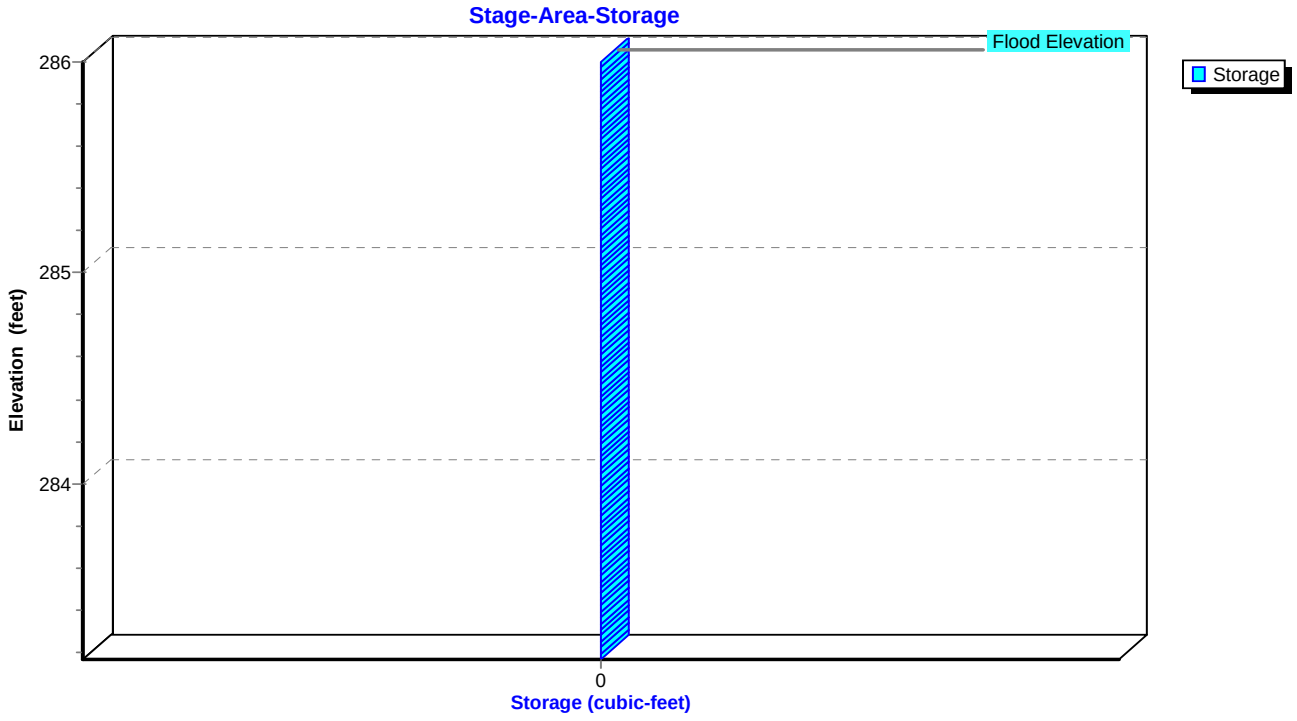
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.17	0.00
6.50	0.00	283.17	0.00
7.00	0.00	283.17	0.00
7.50	0.00	283.17	0.00
8.00	0.00	283.17	0.00
8.50	0.00	283.17	0.00
9.00	0.00	283.17	0.00
9.50	0.02	283.23	0.02
10.00	0.08	283.28	0.08
10.50	0.15	283.33	0.15
11.00	0.27	283.38	0.27
11.50	0.50	283.48	0.50
12.00	**2.42**	**284.17**	**2.42**
12.50	**5.19**	**284.48**	**5.19**
13.00	1.57	283.79	1.57
13.50	0.99	283.64	0.99
14.00	0.82	283.58	0.82
14.50	0.69	283.54	0.69
15.00	0.61	283.51	0.61
15.50	0.53	283.48	0.53
16.00	0.45	283.45	0.45
16.50	0.38	283.43	0.38
17.00	0.35	283.41	0.35
17.50	0.31	283.40	0.31
18.00	0.27	283.38	0.27
18.50	0.24	283.37	0.24
19.00	0.23	283.37	0.23
19.50	0.22	283.36	0.22
20.00	0.21	283.36	0.21
20.50	0.20	283.35	0.20
21.00	0.19	283.35	0.19
21.50	0.18	283.35	0.18
22.00	0.17	283.34	0.17
22.50	0.17	283.34	0.17
23.00	0.16	283.33	0.16
23.50	0.15	283.33	0.15
24.00	0.14	283.32	0.14

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	284.19	4.63	285.21	13.79
283.19	0.00	284.21	4.79	285.23	13.97
283.21	0.01	284.23	4.94	285.25	14.15
283.23	0.02	284.25	5.10	285.27	14.33
283.25	0.04	284.27	5.26	285.29	14.51
283.27	0.06	284.29	5.42	285.31	14.69
283.29	0.09	284.31	5.58	285.33	14.86
283.31	0.12	284.33	5.75	285.35	15.04
283.33	0.15	284.35	5.91	285.37	15.21
283.35	0.19	284.37	6.08	285.39	15.38
283.37	0.24	284.39	6.25	285.41	15.55
283.39	0.28	284.41	6.42	285.43	15.72
283.41	0.34	284.43	6.59	285.45	15.88
283.43	0.39	284.45	6.76	285.47	16.05
283.45	0.45	284.47	6.94	285.49	16.21
283.47	0.52	284.49	7.11	285.51	16.36
283.49	0.58	284.51	7.29	285.53	16.52
283.51	0.65	284.53	7.46	285.55	16.67
283.53	0.73	284.55	7.64	285.57	16.82
283.55	0.80	284.57	7.82	285.59	16.96
283.57	0.88	284.59	8.00	285.61	17.10
283.59	0.97	284.61	8.18	285.63	17.23
283.61	1.05	284.63	8.36	285.65	17.36
283.63	1.14	284.65	8.55	285.67	17.49
283.65	1.23	284.67	8.73	285.69	17.61
283.67	1.33	284.69	8.91	285.71	17.72
283.69	1.42	284.71	9.10	285.73	17.83
283.71	1.52	284.73	9.28	285.75	17.92
283.73	1.63	284.75	9.47	285.77	18.01
283.75	1.73	284.77	9.66	285.79	18.08
283.77	1.84	284.79	9.84	285.81	18.14
283.79	1.95	284.81	10.03	285.83	18.16
283.81	2.06	284.83	10.22	285.85	18.25
283.83	2.18	284.85	10.41	285.87	18.45
283.85	2.30	284.87	10.60	285.89	18.64
283.87	2.42	284.89	10.79	285.91	18.83
283.89	2.54	284.91	10.98	285.93	19.02
283.91	2.66	284.93	11.16	285.95	19.21
283.93	2.79	284.95	11.35	285.97	19.39
283.95	2.92	284.97	11.54	285.99	**19.58**
283.97	3.05	284.99	11.73		
283.99	3.19	285.01	11.92		
284.01	3.32	285.03	12.11		
284.03	3.46	285.05	12.30		
284.05	3.60	285.07	12.49		
284.07	3.74	285.09	12.67		
284.09	3.88	285.11	12.86		
284.11	4.03	285.13	13.05		
284.13	4.18	285.15	13.23		
284.15	4.33	285.17	13.42		
284.17	4.48	285.19	13.60		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	284.19	0	285.21	0
283.19	0	284.21	0	285.23	0
283.21	0	284.23	0	285.25	0
283.23	0	284.25	0	285.27	0
283.25	0	284.27	0	285.29	0
283.27	0	284.29	0	285.31	0
283.29	0	284.31	0	285.33	0
283.31	0	284.33	0	285.35	0
283.33	0	284.35	0	285.37	0
283.35	0	284.37	0	285.39	0
283.37	0	284.39	0	285.41	0
283.39	0	284.41	0	285.43	0
283.41	0	284.43	0	285.45	0
283.43	0	284.45	0	285.47	0
283.45	0	284.47	0	285.49	0
283.47	0	284.49	0	285.51	0
283.49	0	284.51	0	285.53	0
283.51	0	284.53	0	285.55	0
283.53	0	284.55	0	285.57	0
283.55	0	284.57	0	285.59	0
283.57	0	284.59	0	285.61	0
283.59	0	284.61	0	285.63	0
283.61	0	284.63	0	285.65	0
283.63	0	284.65	0	285.67	0
283.65	0	284.67	0	285.69	0
283.67	0	284.69	0	285.71	0
283.69	0	284.71	0	285.73	0
283.71	0	284.73	0	285.75	0
283.73	0	284.75	0	285.77	0
283.75	0	284.77	0	285.79	0
283.77	0	284.79	0	285.81	0
283.79	0	284.81	0	285.83	0
283.81	0	284.83	0	285.85	0
283.83	0	284.85	0	285.87	0
283.85	0	284.87	0	285.89	0
283.87	0	284.89	0	285.91	0
283.89	0	284.91	0	285.93	0
283.91	0	284.93	0	285.95	0
283.93	0	284.95	0	285.97	0
283.95	0	284.97	0	285.99	0
283.97	0	284.99	0		
283.99	0	285.01	0		
284.01	0	285.03	0		
284.03	0	285.05	0		
284.05	0	285.07	0		
284.07	0	285.09	0		
284.09	0	285.11	0		
284.11	0	285.13	0		
284.13	0	285.15	0		
284.15	0	285.17	0		
284.17	0	285.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

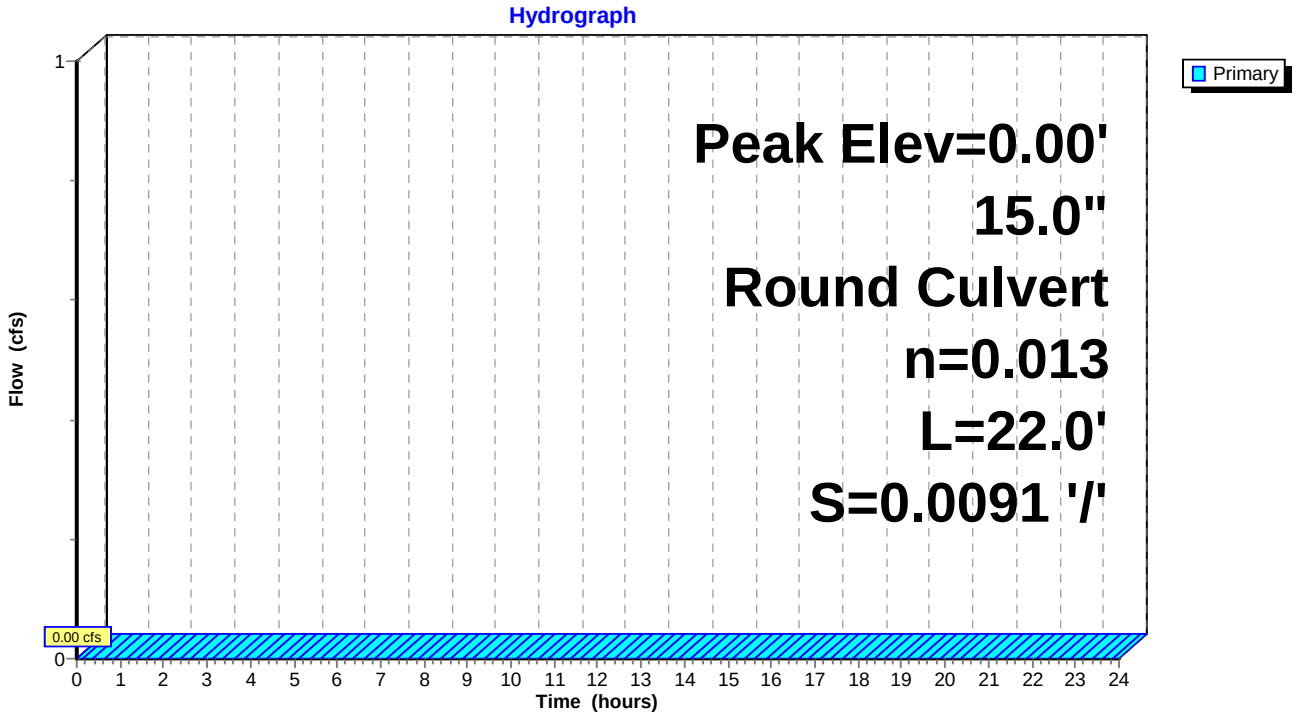
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

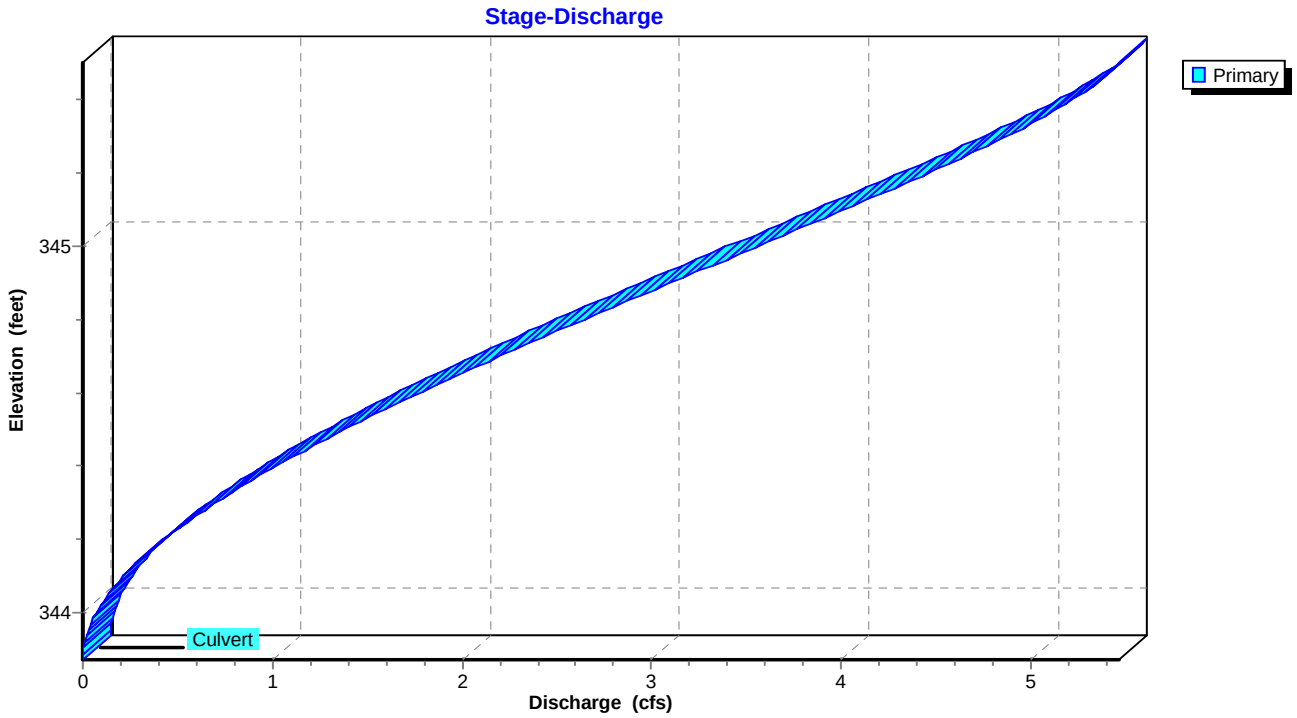
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

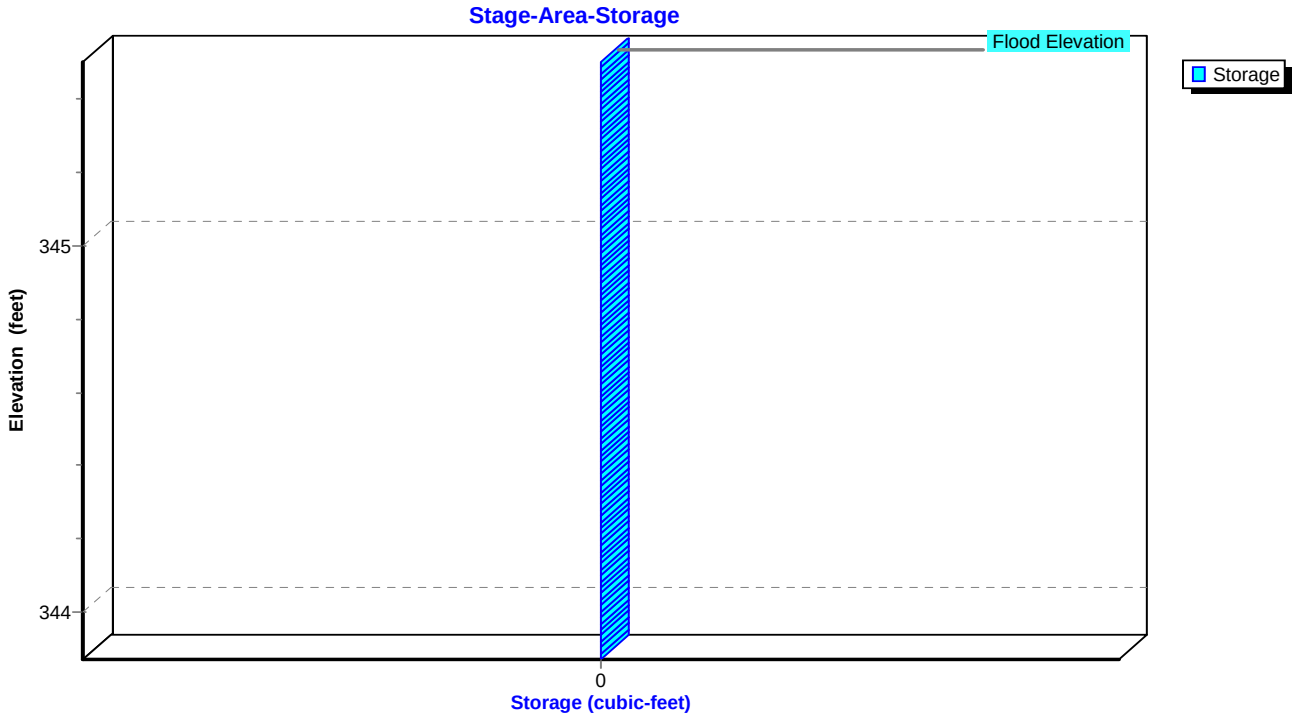
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

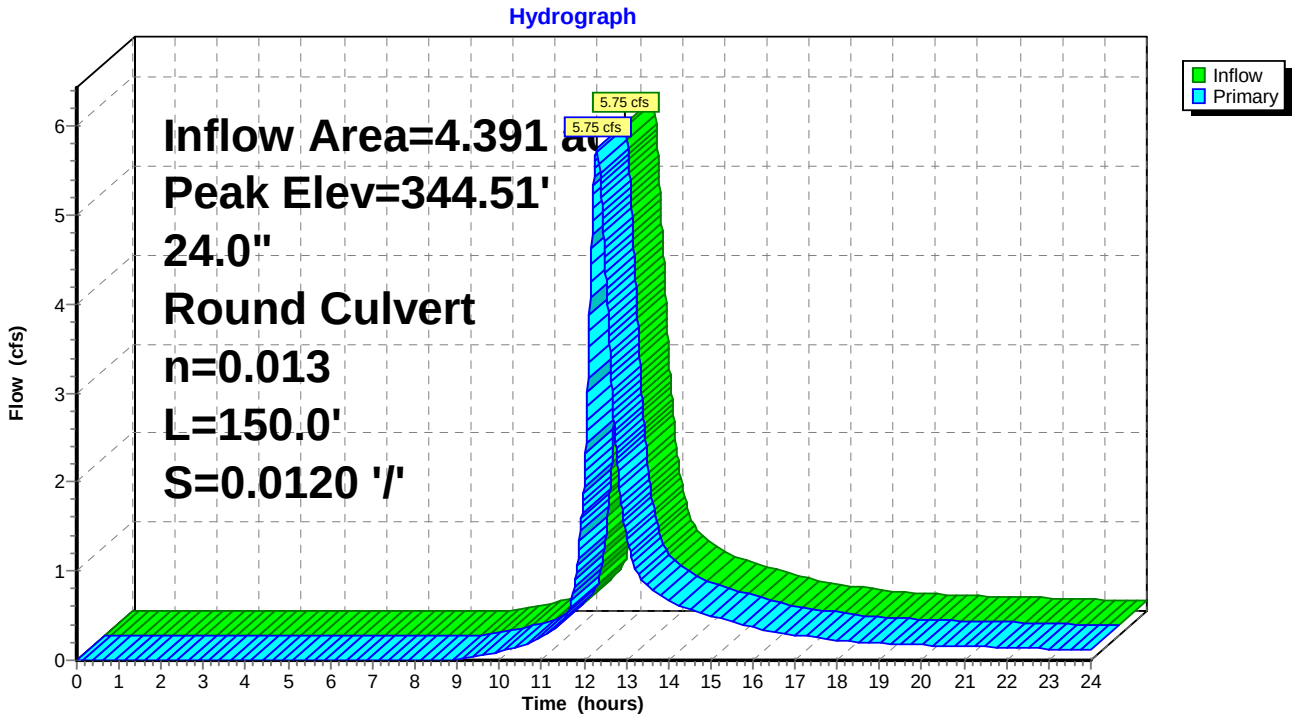
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af
Outflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af, Atten= 0%, Lag= 0.0 min
Primary = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.51' @ 12.31 hrs
Flood Elev= 347.00'

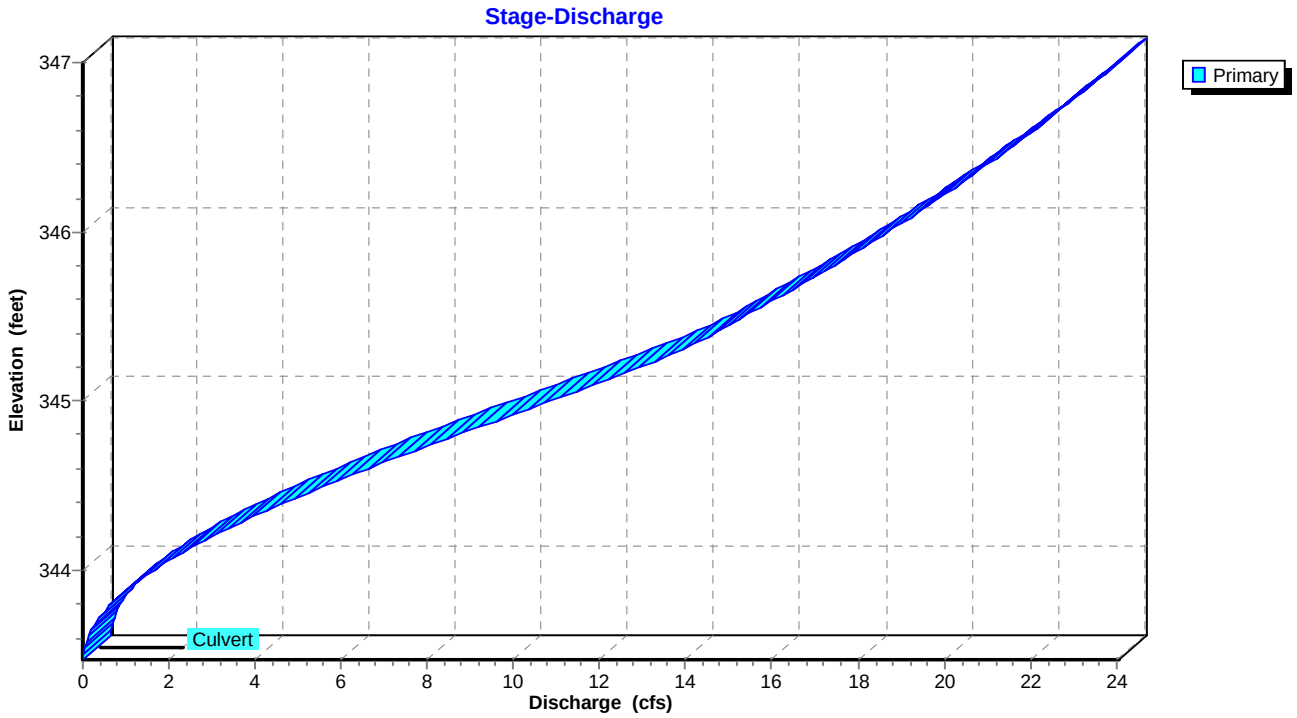
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.74 cfs @ 12.31 hrs HW=344.51' TW=342.65' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.74 cfs @ 3.47 fps)

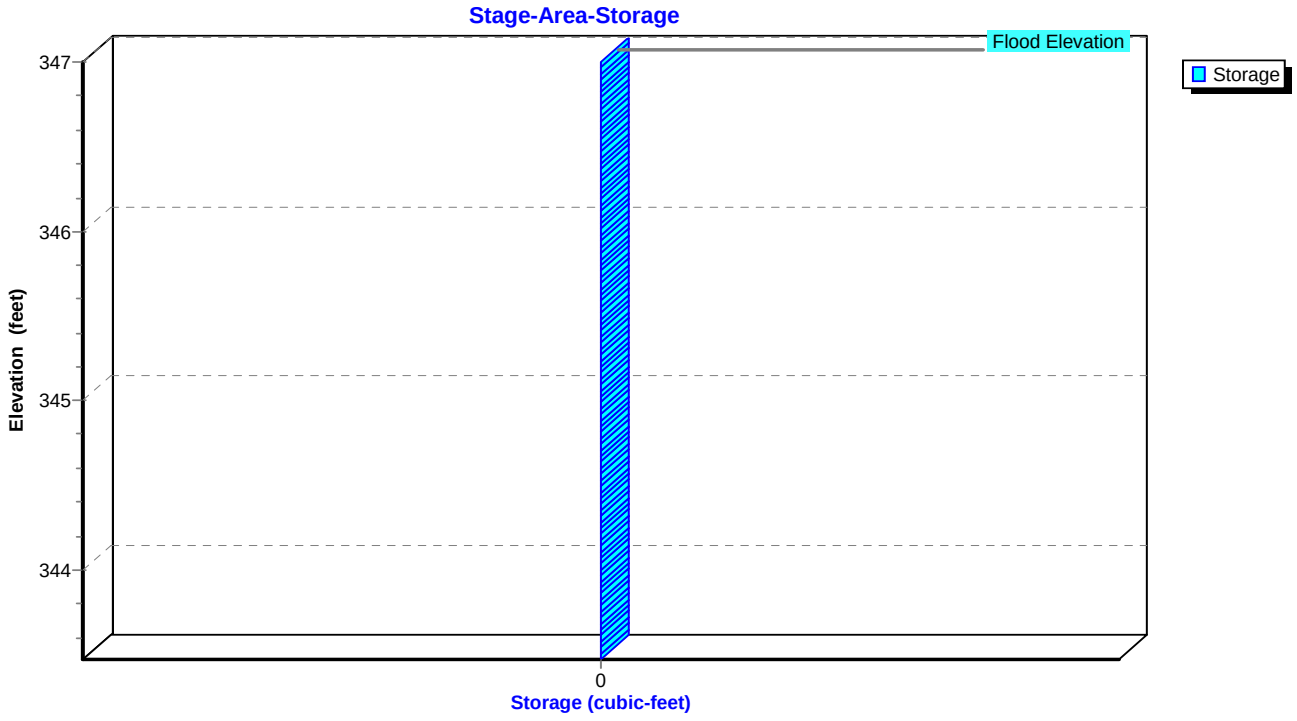
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.47	0.00
8.00	0.00	343.47	0.00
8.50	0.00	343.49	0.00
9.00	0.01	343.52	0.01
9.50	0.05	343.56	0.05
10.00	0.09	343.59	0.09
10.50	0.16	343.63	0.16
11.00	0.26	343.67	0.26
11.50	0.45	343.74	0.45
12.00	**1.95**	**344.05**	**1.95**
12.50	**4.53**	**344.38**	**4.53**
13.00	1.42	343.96	1.42
13.50	0.84	343.84	0.84
14.00	0.68	343.80	0.68
14.50	0.57	343.78	0.57
15.00	0.50	343.76	0.50
15.50	0.44	343.74	0.44
16.00	0.37	343.71	0.37
16.50	0.31	343.69	0.31
17.00	0.28	343.68	0.28
17.50	0.25	343.67	0.25
18.00	0.22	343.66	0.22
18.50	0.20	343.65	0.20
19.00	0.19	343.64	0.19
19.50	0.18	343.64	0.18
20.00	0.17	343.63	0.17
20.50	0.16	343.63	0.16
21.00	0.16	343.63	0.16
21.50	0.15	343.62	0.15
22.00	0.14	343.62	0.14
22.50	0.13	343.62	0.13
23.00	0.13	343.61	0.13
23.50	0.12	343.61	0.12
24.00	0.11	343.60	0.11

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

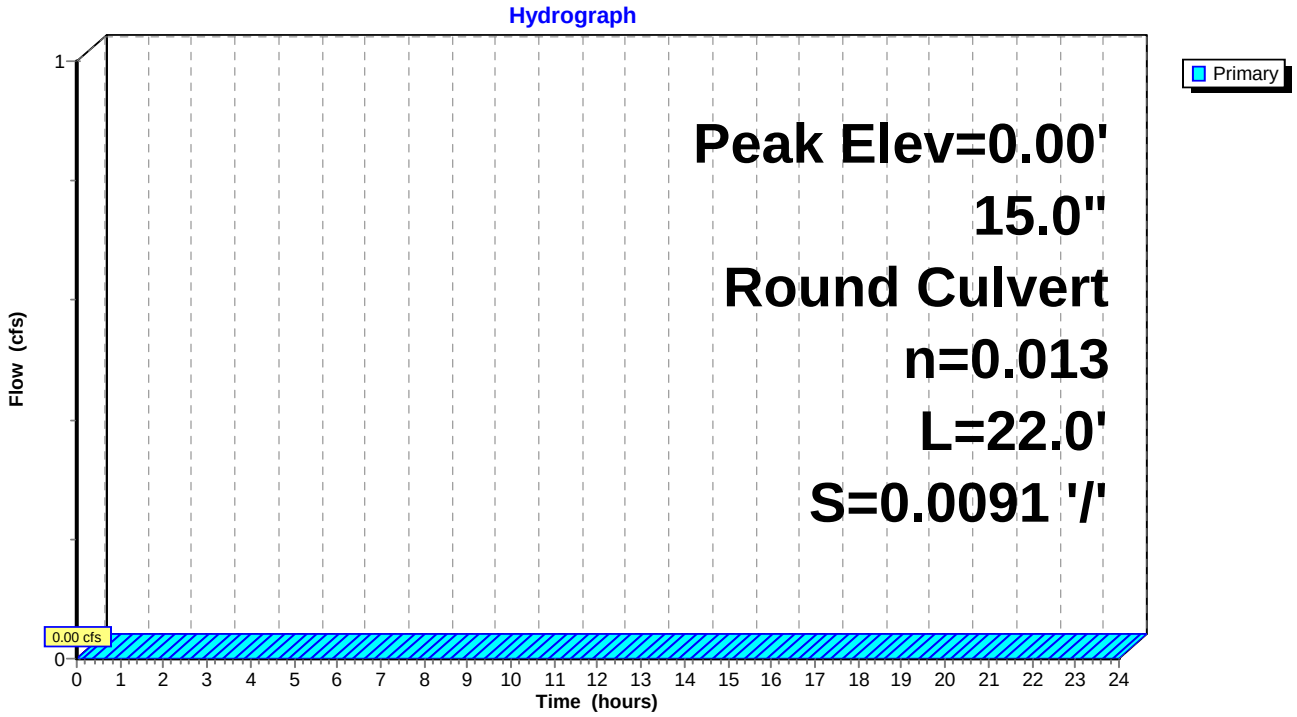
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

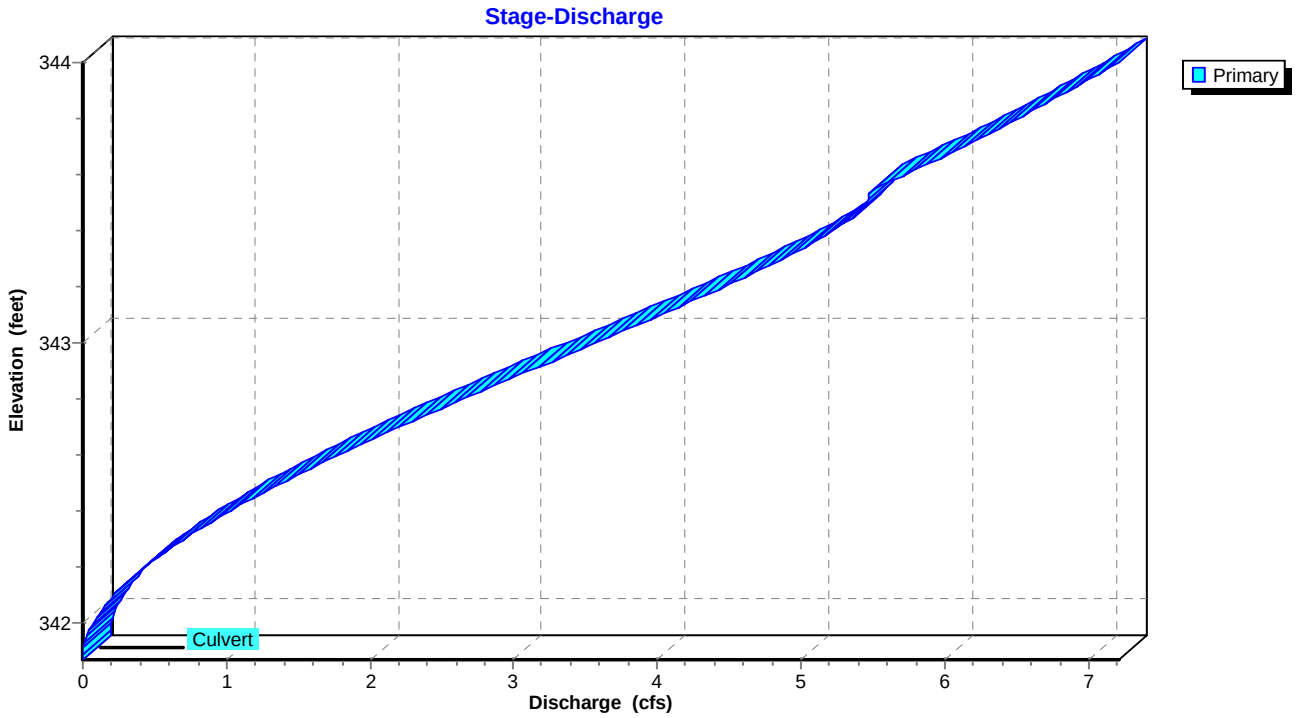
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

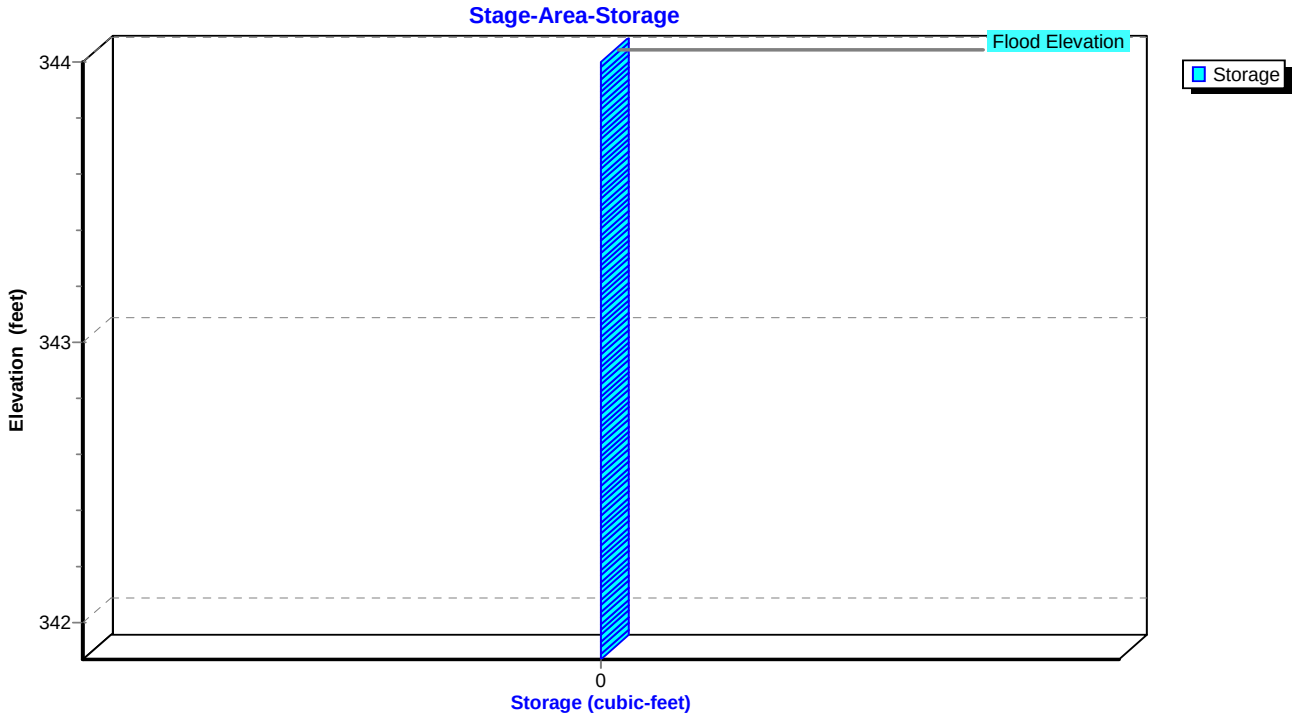
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

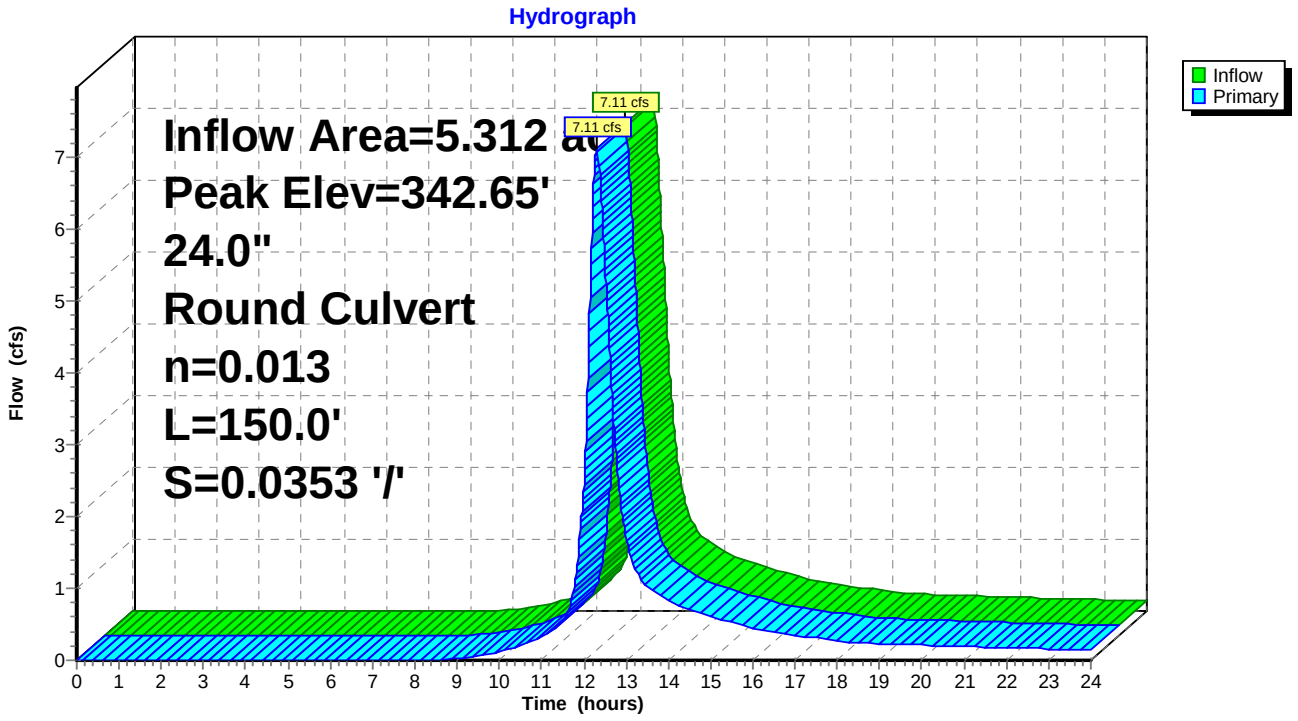
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.80" for 2-Year event
Inflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af
Outflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af, Atten= 0%, Lag= 0.0 min
Primary = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.65' @ 12.31 hrs
Flood Elev= 345.00'

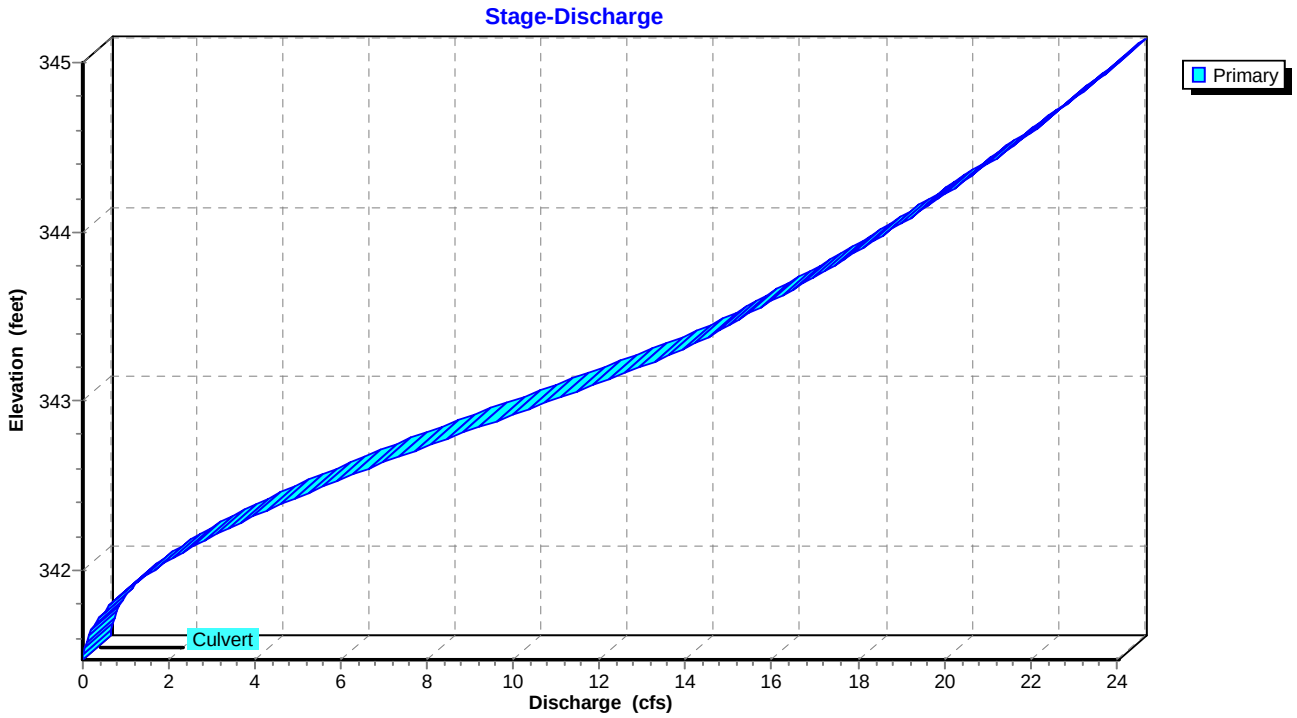
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.11 cfs @ 12.31 hrs HW=342.65' TW=336.38' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 7.11 cfs @ 3.69 fps)

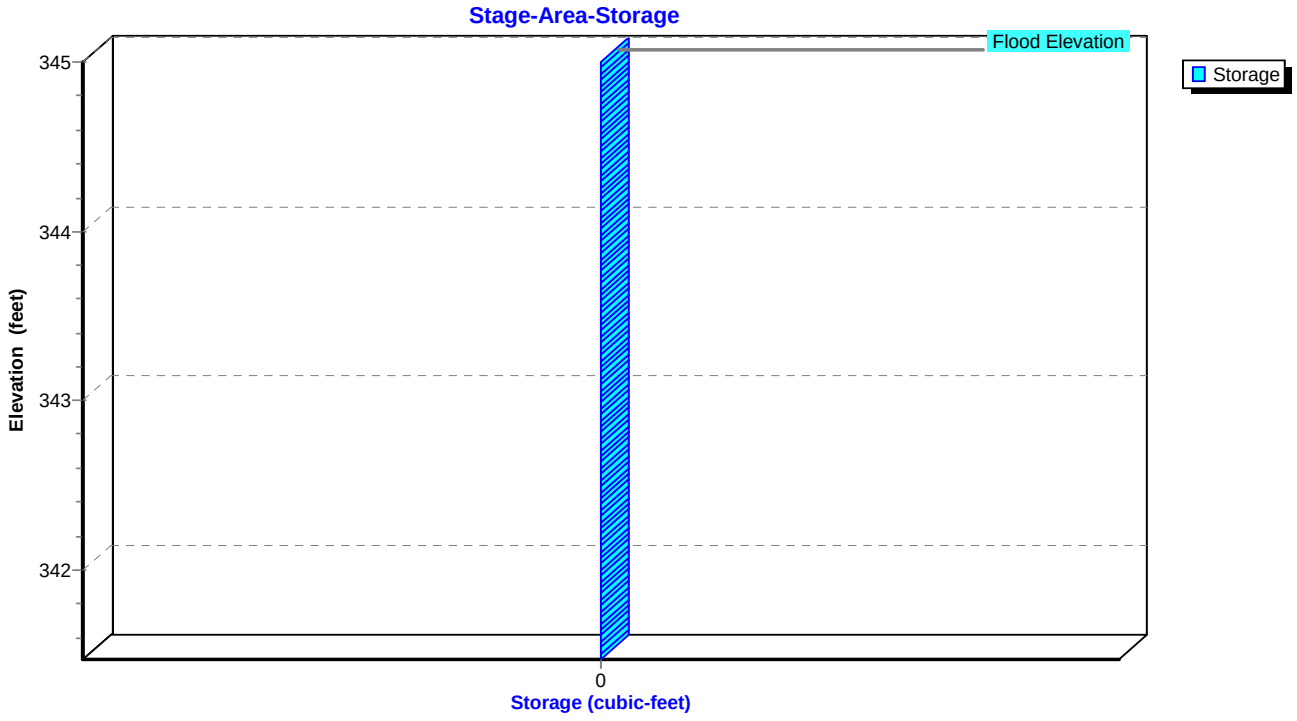
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.47	0.00
7.50	0.00	341.47	0.00
8.00	0.00	341.47	0.00
8.50	0.00	341.50	0.00
9.00	0.02	341.53	0.02
9.50	0.07	341.57	0.07
10.00	0.12	341.61	0.12
10.50	0.20	341.65	0.20
11.00	0.33	341.70	0.33
11.50	0.57	341.77	0.57
12.00	**2.43**	**342.12**	**2.43**
12.50	**5.54**	**342.49**	**5.54**
13.00	1.72	342.01	1.72
13.50	1.02	341.88	1.02
14.00	0.83	341.84	0.83
14.50	0.69	341.81	0.69
15.00	0.61	341.79	0.61
15.50	0.53	341.76	0.53
16.00	0.45	341.74	0.45
16.50	0.38	341.72	0.38
17.00	0.34	341.71	0.34
17.50	0.31	341.69	0.31
18.00	0.27	341.68	0.27
18.50	0.24	341.67	0.24
19.00	0.23	341.66	0.23
19.50	0.22	341.66	0.22
20.00	0.21	341.65	0.21
20.50	0.20	341.65	0.20
21.00	0.19	341.64	0.19
21.50	0.18	341.64	0.18
22.00	0.17	341.64	0.17
22.50	0.16	341.63	0.16
23.00	0.16	341.63	0.16
23.50	0.15	341.62	0.15
24.00	0.14	341.62	0.14

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

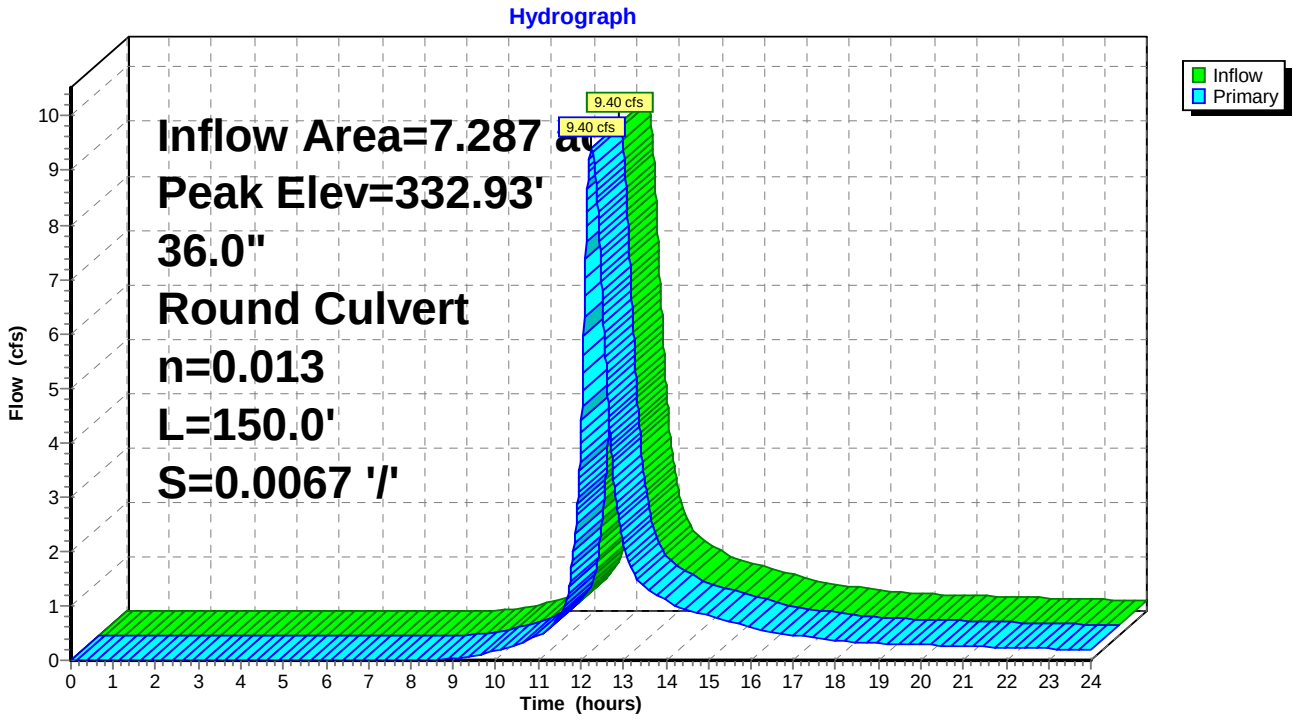
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.93' @ 12.26 hrs
Flood Elev= 337.75'

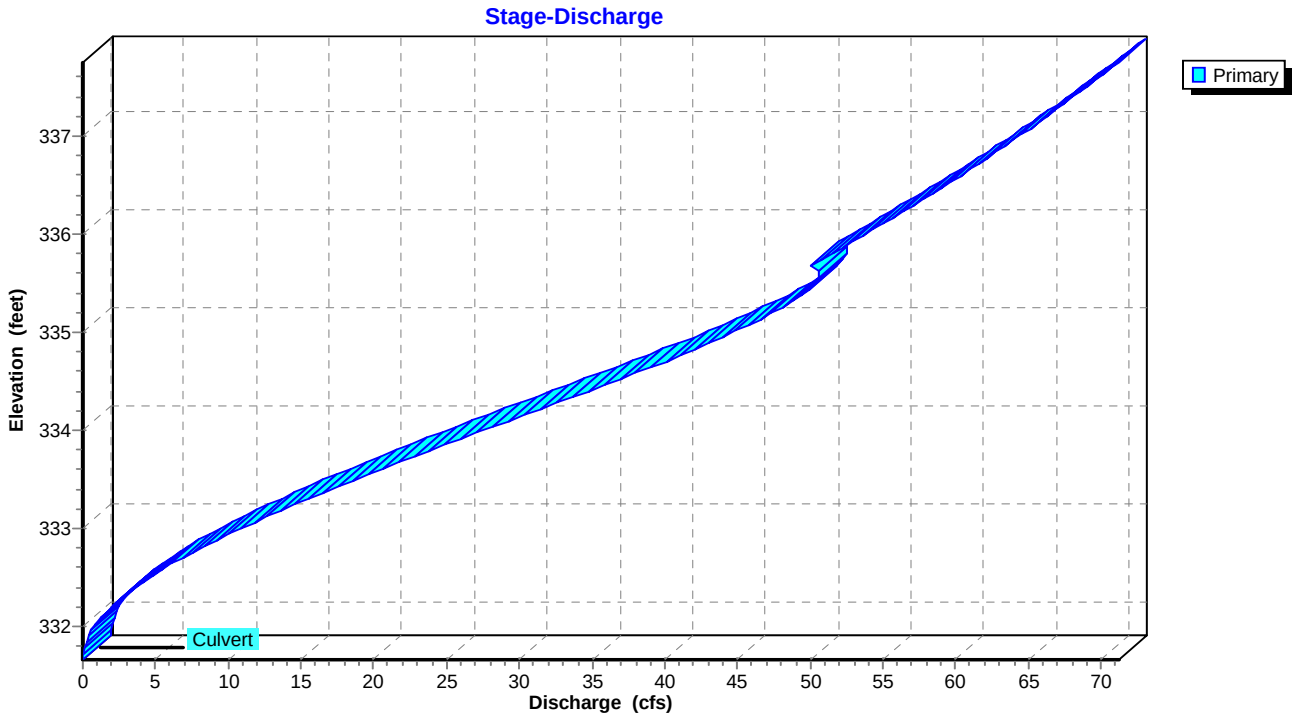
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=332.93' TW=331.73' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 9.40 cfs @ 4.91 fps)

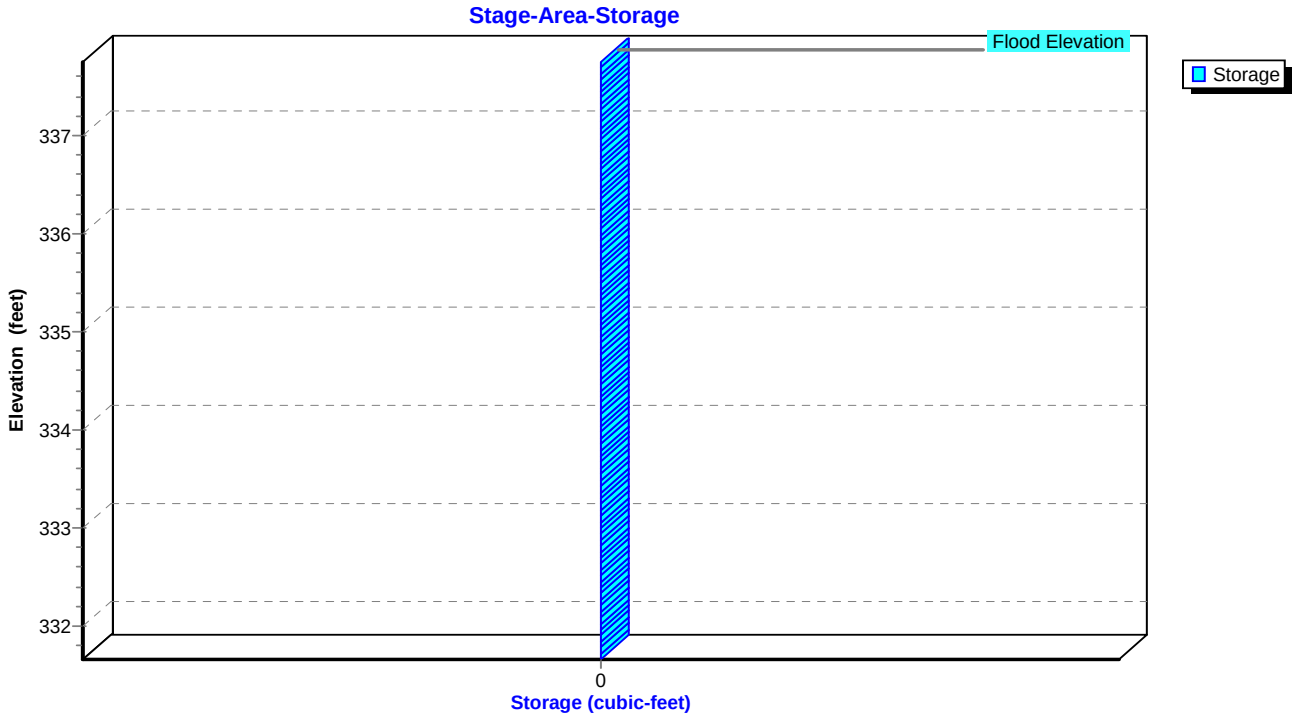
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.67	0.00
7.50	0.00	331.67	0.00
8.00	0.00	331.67	0.00
8.50	0.00	331.70	0.00
9.00	0.03	331.74	0.03
9.50	0.09	331.79	0.09
10.00	0.17	331.83	0.17
10.50	0.28	331.88	0.28
11.00	0.45	331.93	0.45
11.50	0.81	332.02	0.81
12.00	**3.98**	**332.45**	**3.98**
12.50	**6.79**	**332.71**	**6.79**
13.00	2.16	332.24	2.16
13.50	1.35	332.12	1.35
14.00	1.10	332.07	1.10
14.50	0.93	332.04	0.93
15.00	0.82	332.02	0.82
15.50	0.71	332.00	0.71
16.00	0.60	331.97	0.60
16.50	0.51	331.95	0.51
17.00	0.46	331.94	0.46
17.50	0.41	331.92	0.41
18.00	0.36	331.91	0.36
18.50	0.33	331.89	0.33
19.00	0.31	331.89	0.31
19.50	0.30	331.88	0.30
20.00	0.28	331.88	0.28
20.50	0.27	331.87	0.27
21.00	0.26	331.87	0.26
21.50	0.24	331.87	0.24
22.00	0.23	331.86	0.23
22.50	0.22	331.86	0.22
23.00	0.21	331.85	0.21
23.50	0.20	331.85	0.20
24.00	0.19	331.84	0.19

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

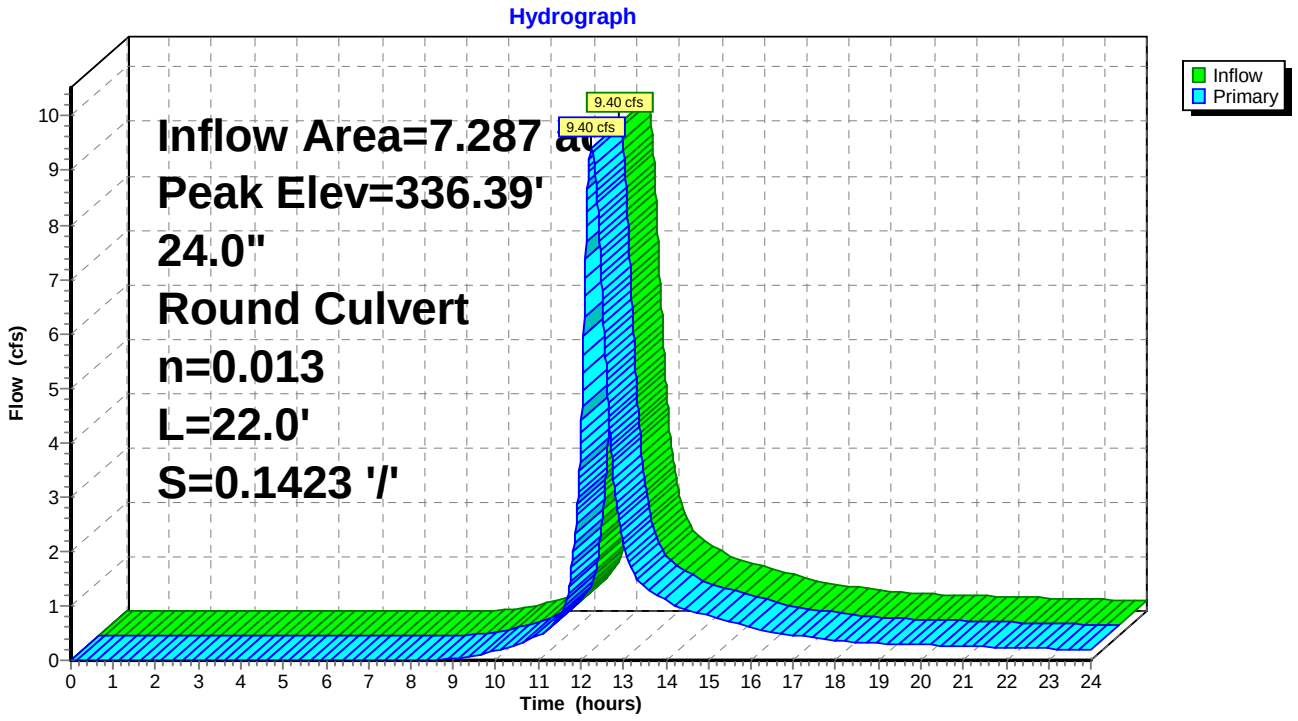
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.39' @ 12.26 hrs
Flood Elev= 339.50'

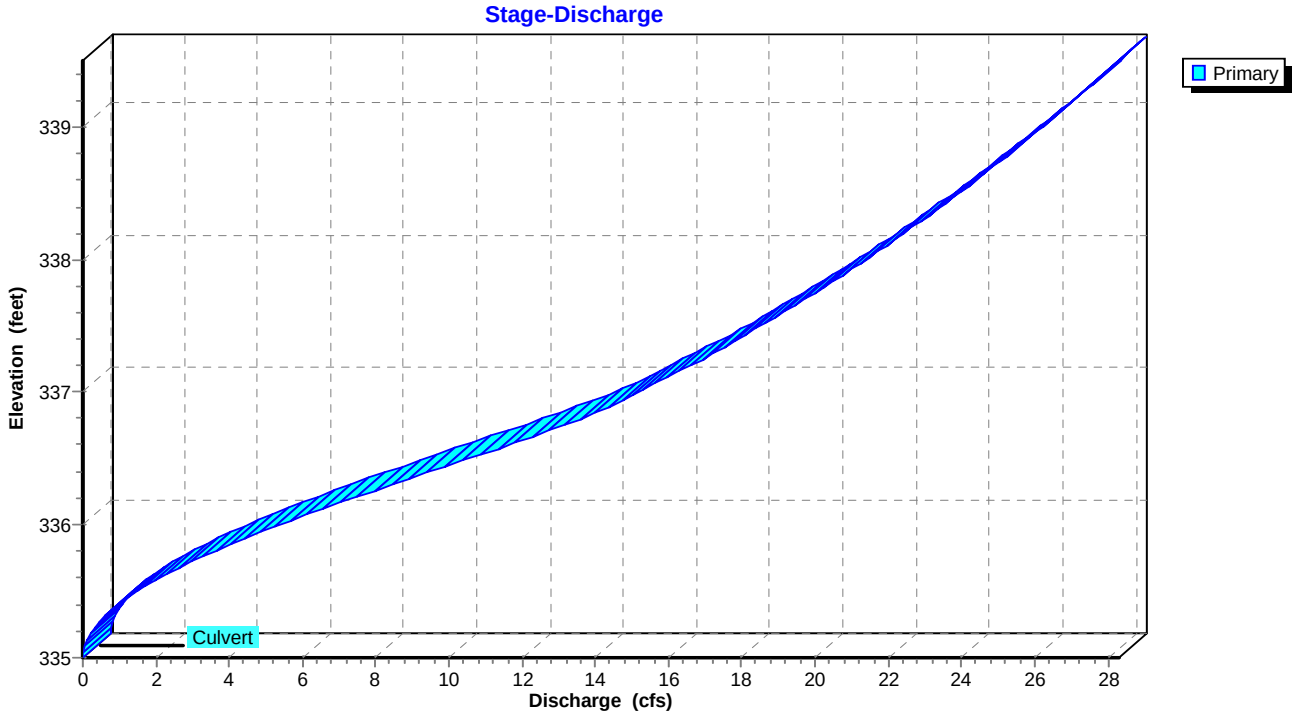
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=336.39' TW=332.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.40 cfs @ 4.02 fps)

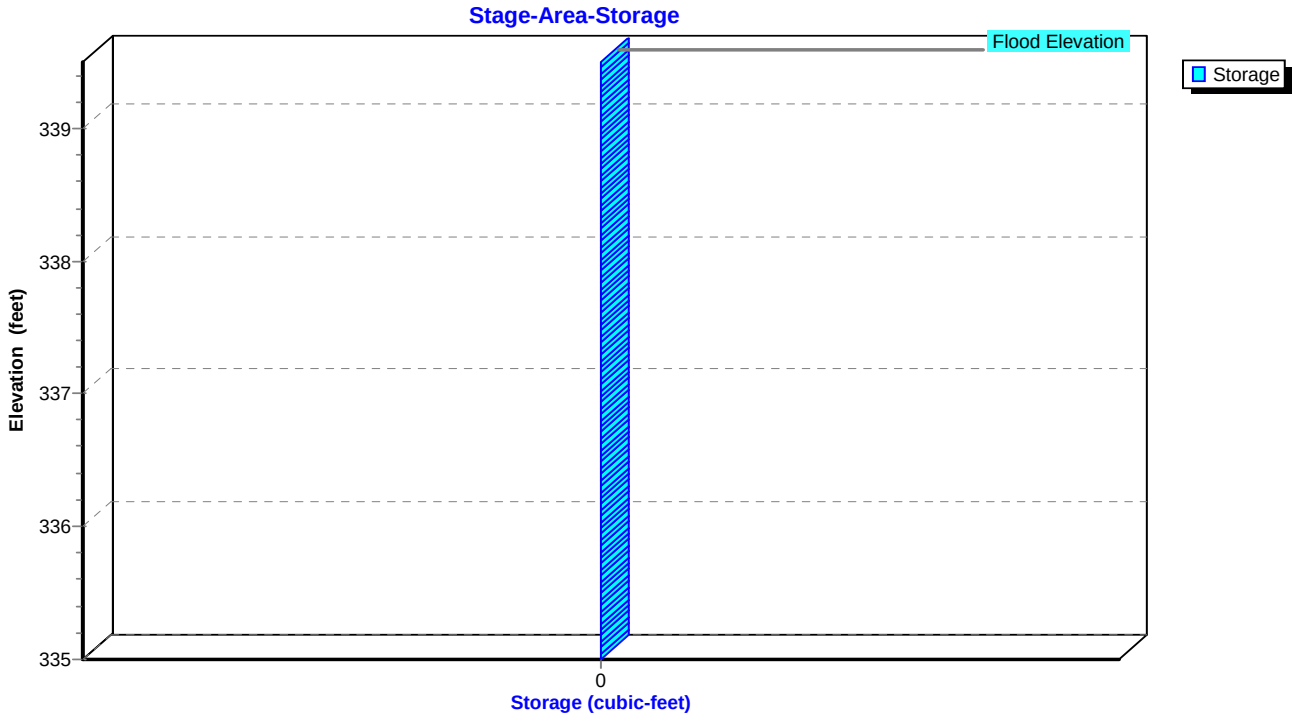
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.00	0.00
7.50	0.00	335.00	0.00
8.00	0.00	335.00	0.00
8.50	0.00	335.03	0.00
9.00	0.03	335.07	0.03
9.50	0.09	335.12	0.09
10.00	0.17	335.16	0.17
10.50	0.28	335.21	0.28
11.00	0.45	335.27	0.45
11.50	0.81	335.37	0.81
12.00	**3.98**	**335.85**	**3.98**
12.50	**6.79**	**336.15**	**6.79**
13.00	2.16	335.61	2.16
13.50	1.35	335.48	1.35
14.00	1.10	335.43	1.10
14.50	0.93	335.39	0.93
15.00	0.82	335.37	0.82
15.50	0.71	335.34	0.71
16.00	0.60	335.31	0.60
16.50	0.51	335.29	0.51
17.00	0.46	335.27	0.46
17.50	0.41	335.26	0.41
18.00	0.36	335.24	0.36
18.50	0.33	335.23	0.33
19.00	0.31	335.22	0.31
19.50	0.30	335.22	0.30
20.00	0.28	335.21	0.28
20.50	0.27	335.21	0.27
21.00	0.26	335.20	0.26
21.50	0.24	335.20	0.24
22.00	0.23	335.19	0.23
22.50	0.22	335.19	0.22
23.00	0.21	335.18	0.21
23.50	0.20	335.18	0.20
24.00	0.19	335.17	0.19

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

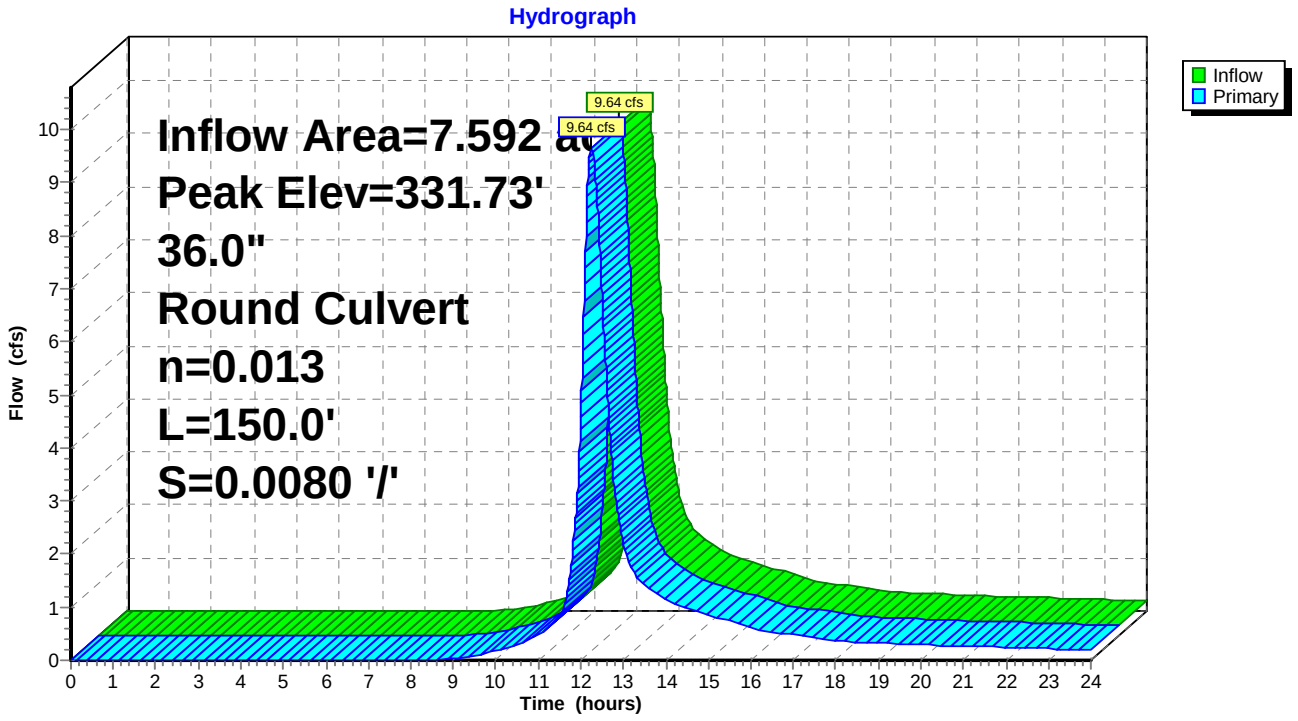
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af
Outflow = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af, Atten= 0%, Lag= 0.0 min
Primary = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.73' @ 12.25 hrs
Flood Elev= 335.00'

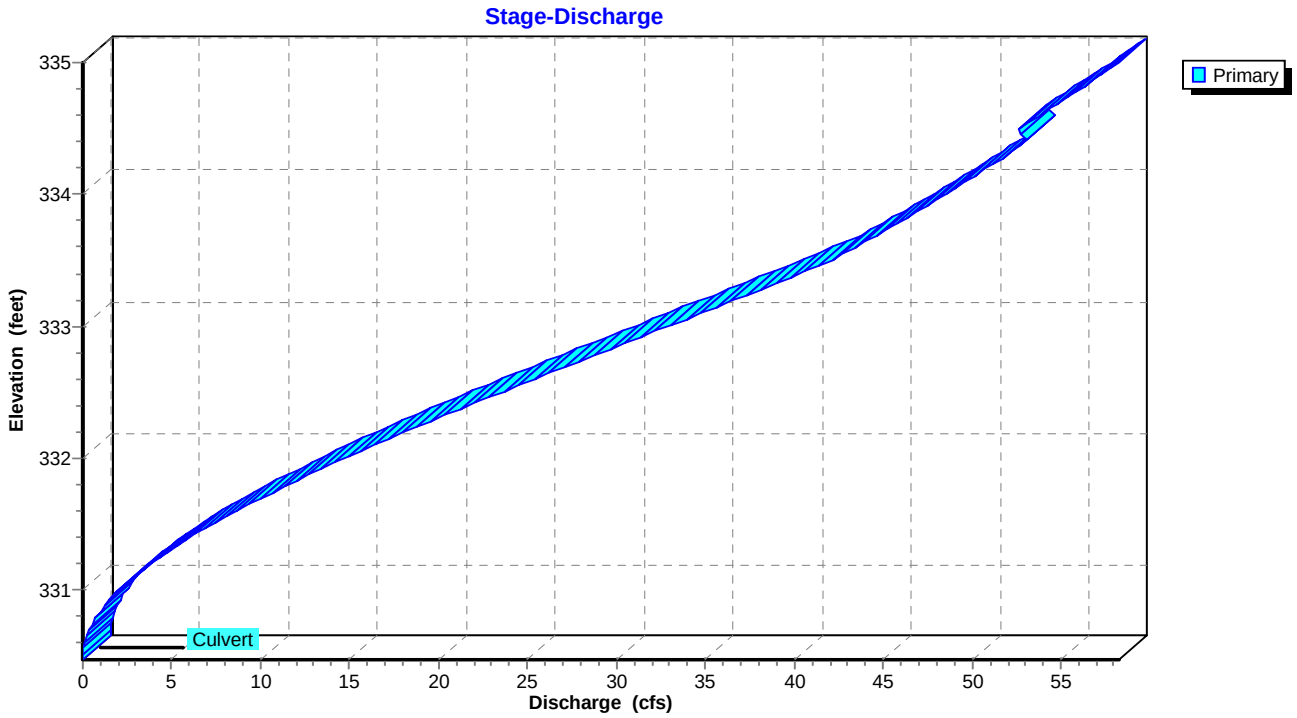
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.65 cfs @ 12.25 hrs HW=331.73' TW=330.45' (Dynamic Tailwater)
1=Culvert (Outlet Controls 9.65 cfs @ 5.06 fps)

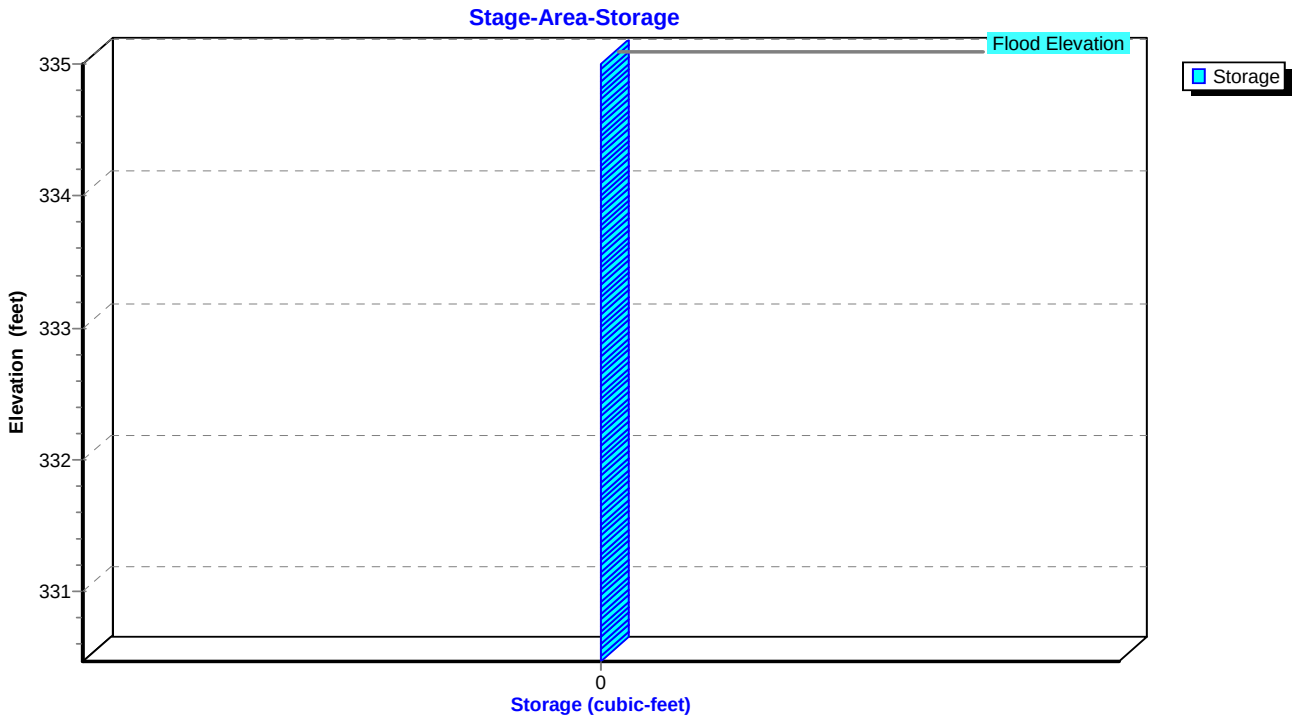
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.47	0.00
7.50	0.00	330.47	0.00
8.00	0.00	330.47	0.00
8.50	0.00	330.50	0.00
9.00	0.03	330.54	0.03
9.50	0.09	330.59	0.09
10.00	0.17	330.63	0.17
10.50	0.29	330.67	0.29
11.00	0.47	330.73	0.47
11.50	0.84	330.81	0.84
12.00	**4.59**	**331.28**	**4.59**
12.50	**6.89**	**331.50**	**6.89**
13.00	2.21	331.02	2.21
13.50	1.40	330.91	1.40
14.00	1.14	330.87	1.14
14.50	0.97	330.83	0.97
15.00	0.85	330.81	0.85
15.50	0.74	330.79	0.74
16.00	0.62	330.76	0.62
16.50	0.53	330.74	0.53
17.00	0.48	330.73	0.48
17.50	0.43	330.71	0.43
18.00	0.37	330.70	0.37
18.50	0.34	330.69	0.34
19.00	0.32	330.68	0.32
19.50	0.31	330.68	0.31
20.00	0.29	330.67	0.29
20.50	0.28	330.67	0.28
21.00	0.27	330.67	0.27
21.50	0.25	330.66	0.25
22.00	0.24	330.66	0.24
22.50	0.23	330.65	0.23
23.00	0.22	330.65	0.22
23.50	0.21	330.64	0.21
24.00	0.19	330.64	0.19

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

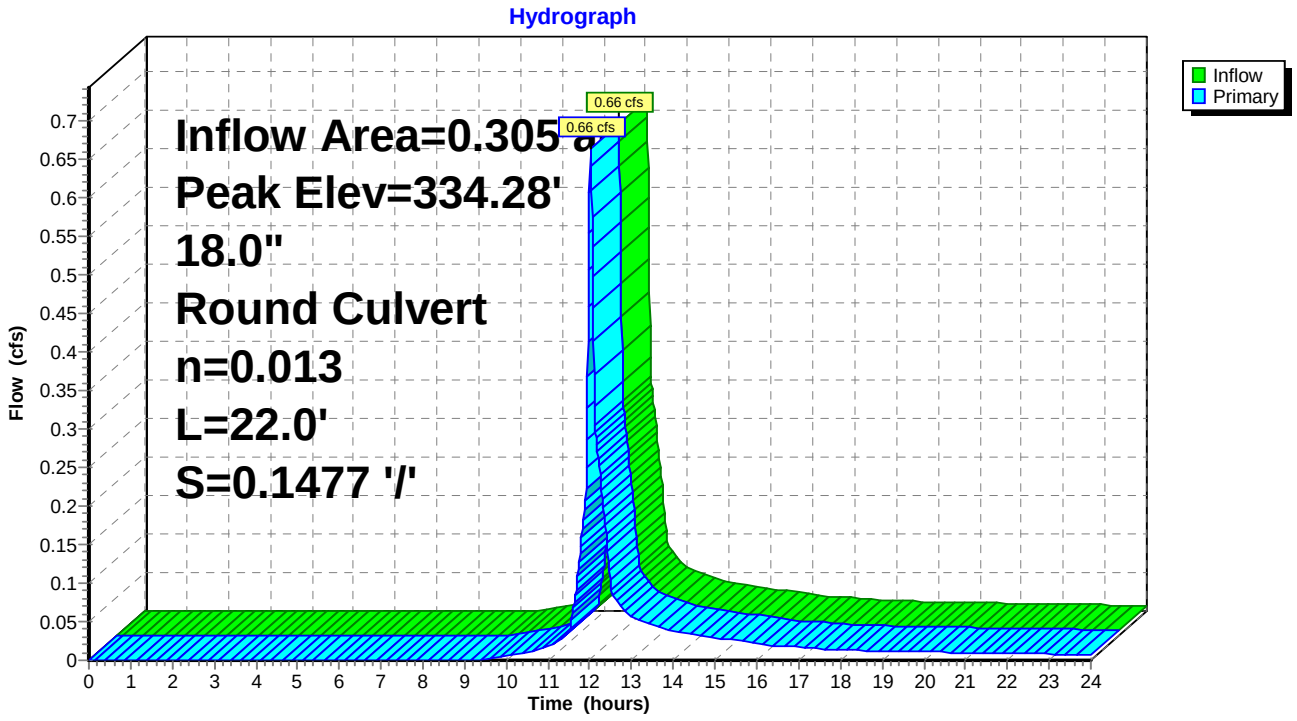
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.57" for 2-Year event
Inflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af
Outflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.28' @ 12.02 hrs
Flood Elev= 336.50'

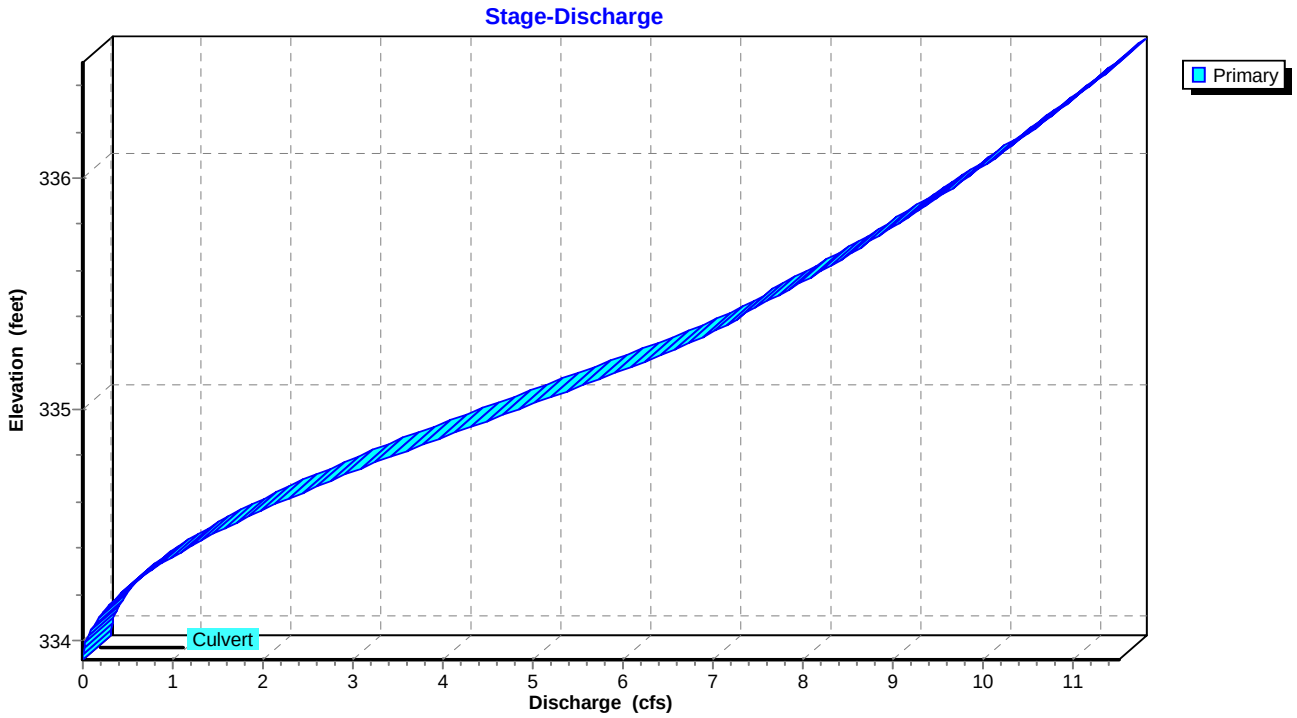
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.66 cfs @ 12.02 hrs HW=334.28' TW=331.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.66 cfs @ 2.04 fps)

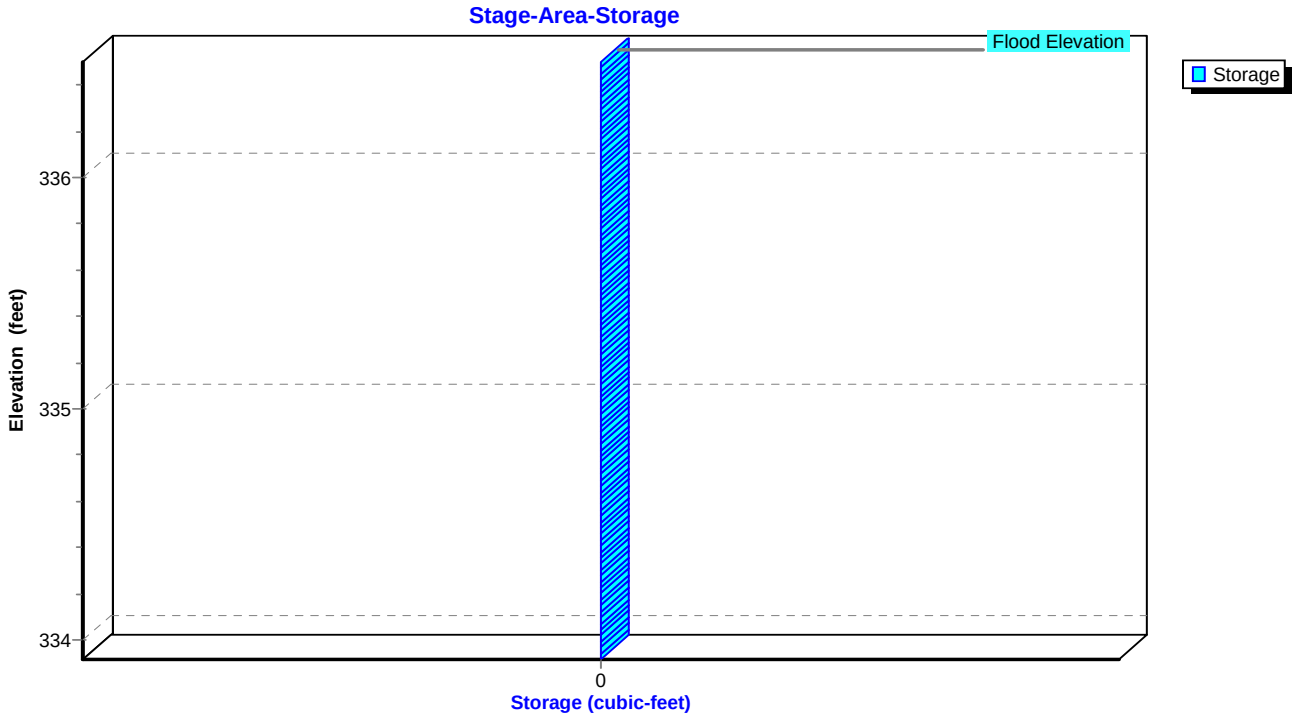
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.94	0.00
10.00	0.00	333.95	0.00
10.50	0.01	333.96	0.01
11.00	0.02	333.98	0.02
11.50	0.04	334.00	0.04
12.00	**0.61**	**334.26**	**0.61**
12.50	**0.09**	**334.05**	**0.09**
13.00	0.05	334.02	0.05
13.50	0.05	334.01	0.05
14.00	0.04	334.00	0.04
14.50	0.03	334.00	0.03
15.00	0.03	333.99	0.03
15.50	0.03	333.99	0.03
16.00	0.02	333.98	0.02
16.50	0.02	333.98	0.02
17.00	0.02	333.98	0.02
17.50	0.02	333.97	0.02
18.00	0.01	333.97	0.01
18.50	0.01	333.97	0.01
19.00	0.01	333.97	0.01
19.50	0.01	333.97	0.01
20.00	0.01	333.96	0.01
20.50	0.01	333.96	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.96	0.01
22.50	0.01	333.96	0.01
23.00	0.01	333.96	0.01
23.50	0.01	333.96	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

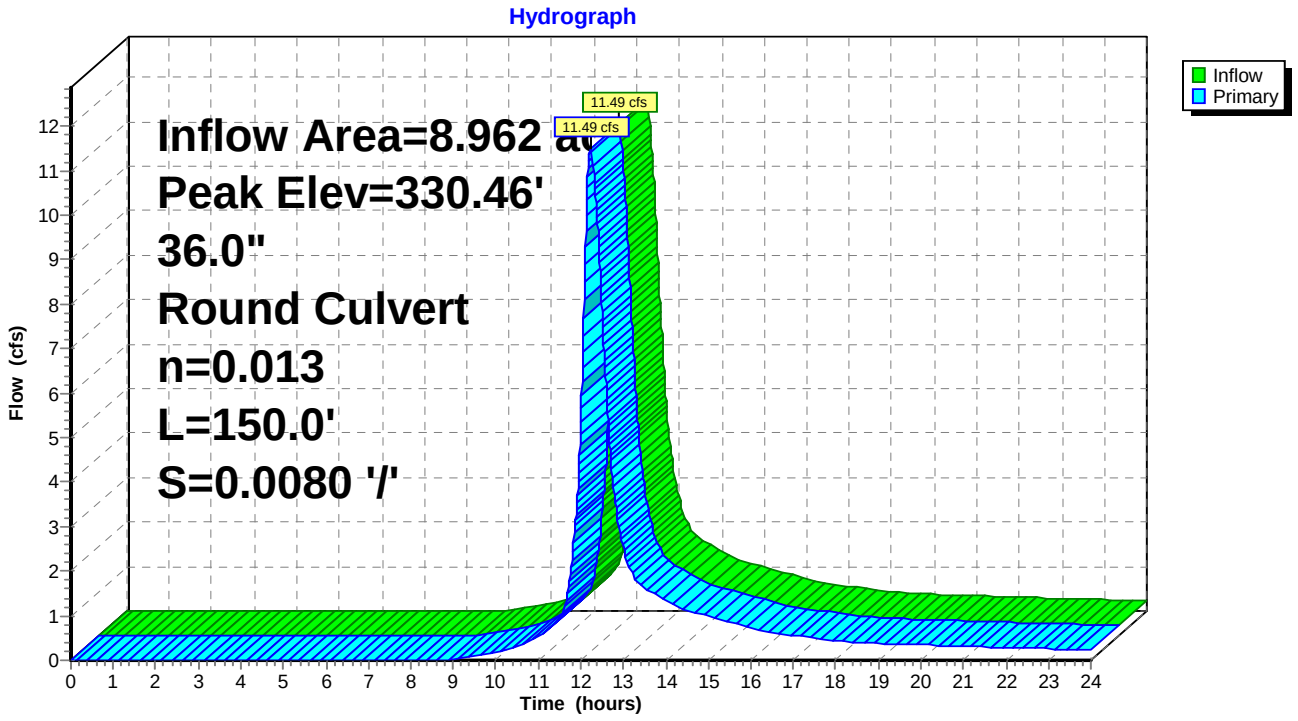
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.73" for 2-Year event
Inflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af
Outflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af, Atten= 0%, Lag= 0.0 min
Primary = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.46' @ 12.22 hrs
Flood Elev= 337.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

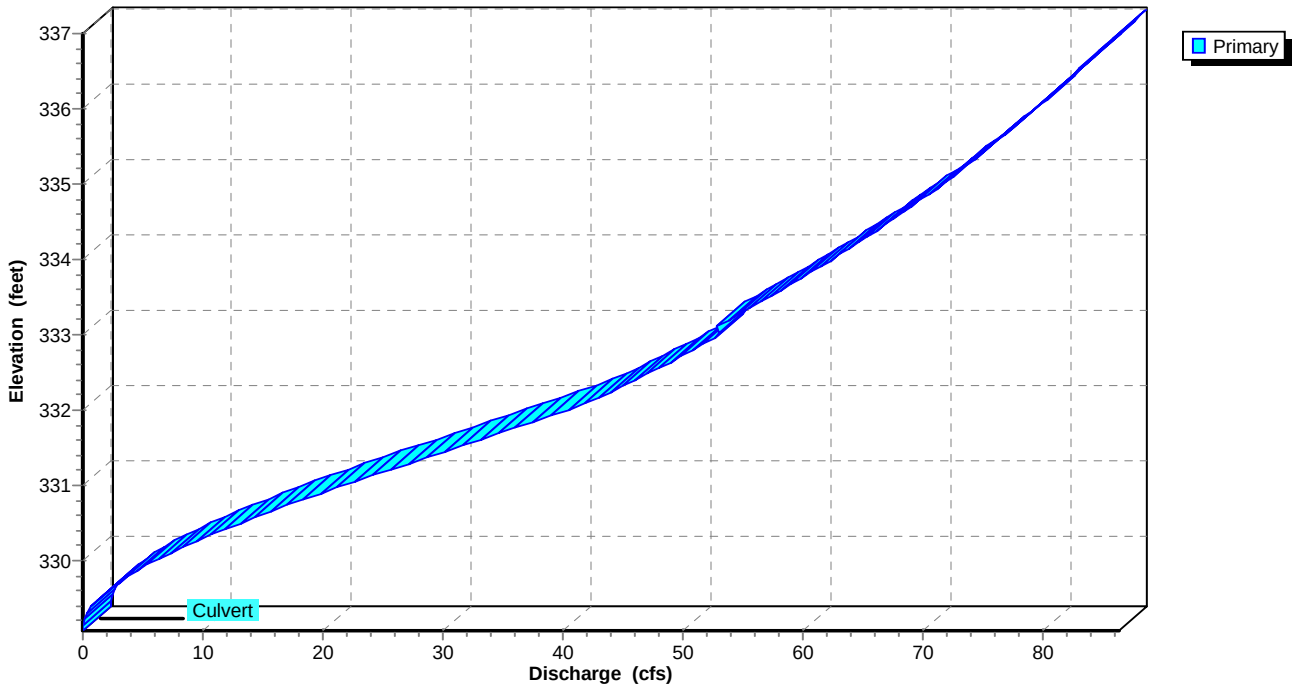
Primary OutFlow Max=11.50 cfs @ 12.22 hrs HW=330.46' TW=329.13' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 11.50 cfs @ 5.29 fps)

Pond CB6: Catchbasin



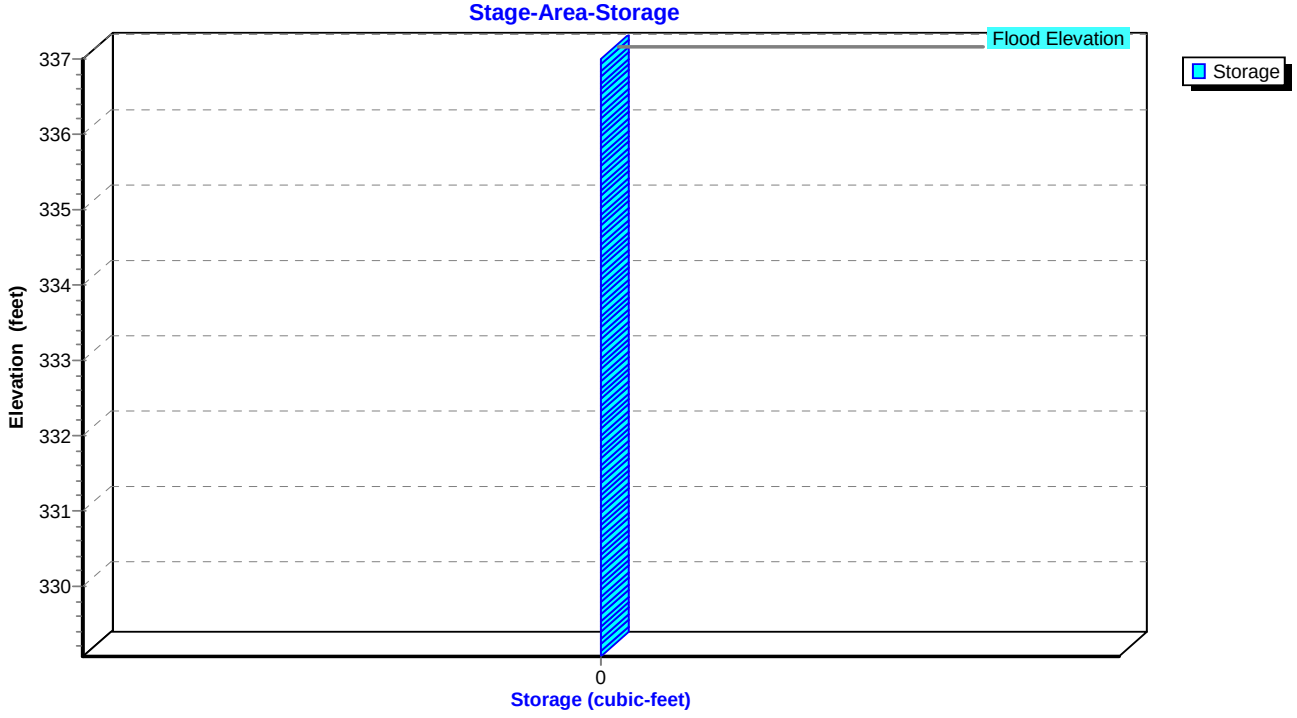
Pond CB6: Catchbasin

Stage-Discharge



Pond CB6: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.07	0.00
7.50	0.00	329.07	0.00
8.00	0.00	329.07	0.00
8.50	0.00	329.10	0.00
9.00	0.03	329.14	0.03
9.50	0.09	329.19	0.09
10.00	0.19	329.23	0.19
10.50	0.32	329.28	0.32
11.00	0.53	329.34	0.53
11.50	0.97	329.43	0.97
12.00	**5.37**	**329.95**	**5.37**
12.50	**7.83**	**330.17**	**7.83**
13.00	2.52	329.66	2.52
13.50	1.62	329.54	1.62
14.00	1.33	329.50	1.33
14.50	1.13	329.46	1.13
15.00	0.99	329.44	0.99
15.50	0.86	329.41	0.86
16.00	0.72	329.39	0.72
16.50	0.62	329.36	0.62
17.00	0.56	329.35	0.56
17.50	0.50	329.33	0.50
18.00	0.44	329.32	0.44
18.50	0.40	329.31	0.40
19.00	0.38	329.30	0.38
19.50	0.36	329.30	0.36
20.00	0.34	329.29	0.34
20.50	0.32	329.28	0.32
21.00	0.31	329.28	0.31
21.50	0.30	329.28	0.30
22.00	0.28	329.27	0.28
22.50	0.27	329.27	0.27
23.00	0.26	329.26	0.26
23.50	0.24	329.26	0.24
24.00	0.23	329.25	0.23

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

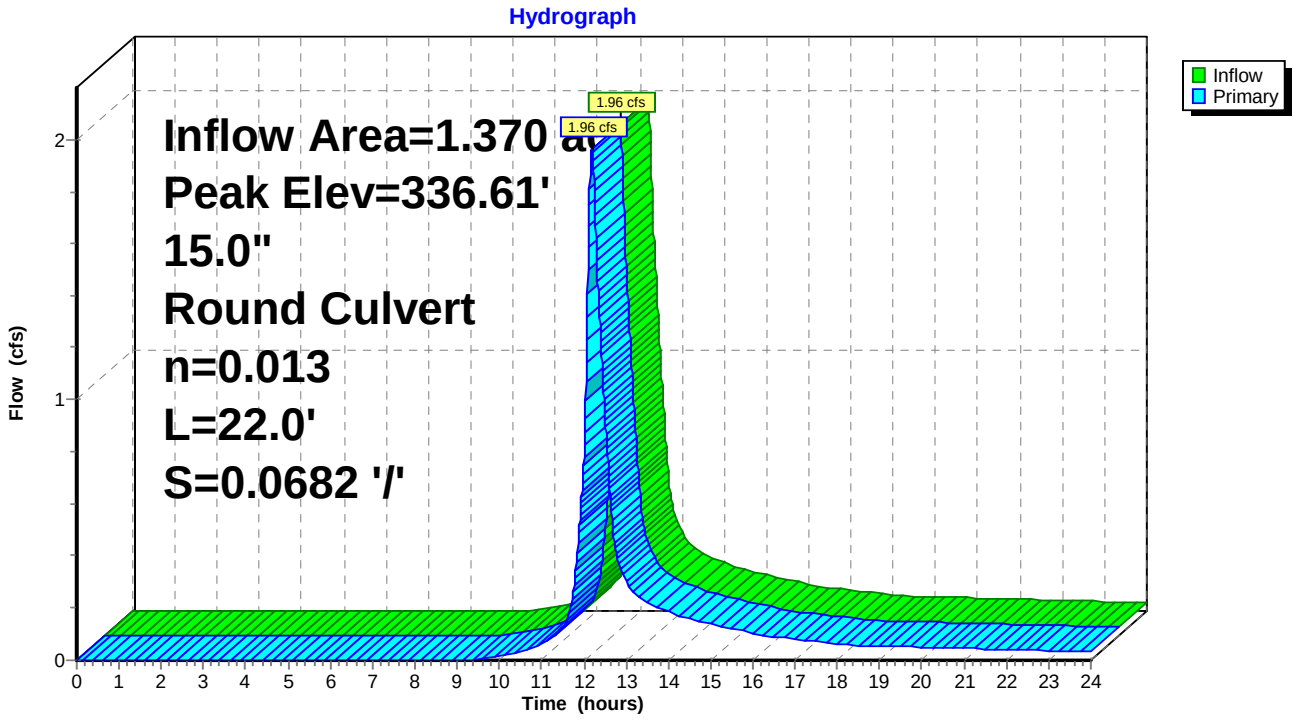
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af
Outflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.61' @ 12.19 hrs
Flood Elev= 338.50'

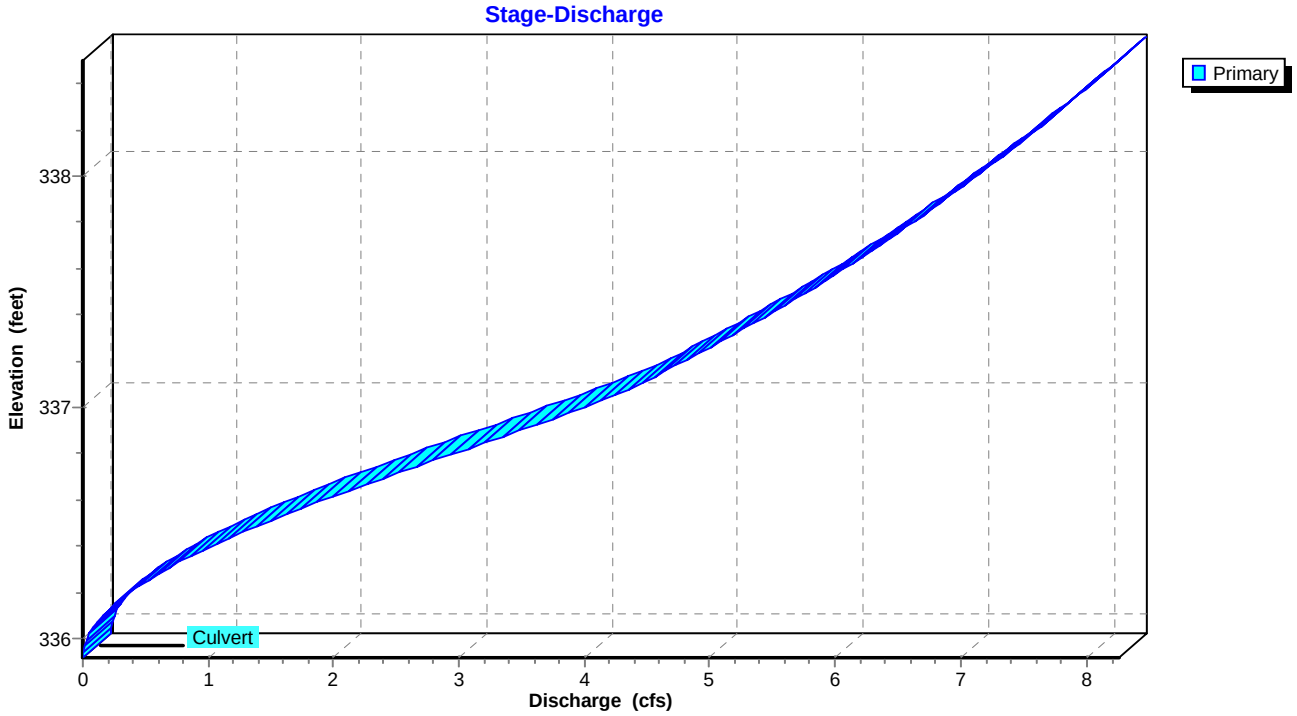
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.96 cfs @ 12.19 hrs HW=336.61' TW=330.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.96 cfs @ 2.83 fps)

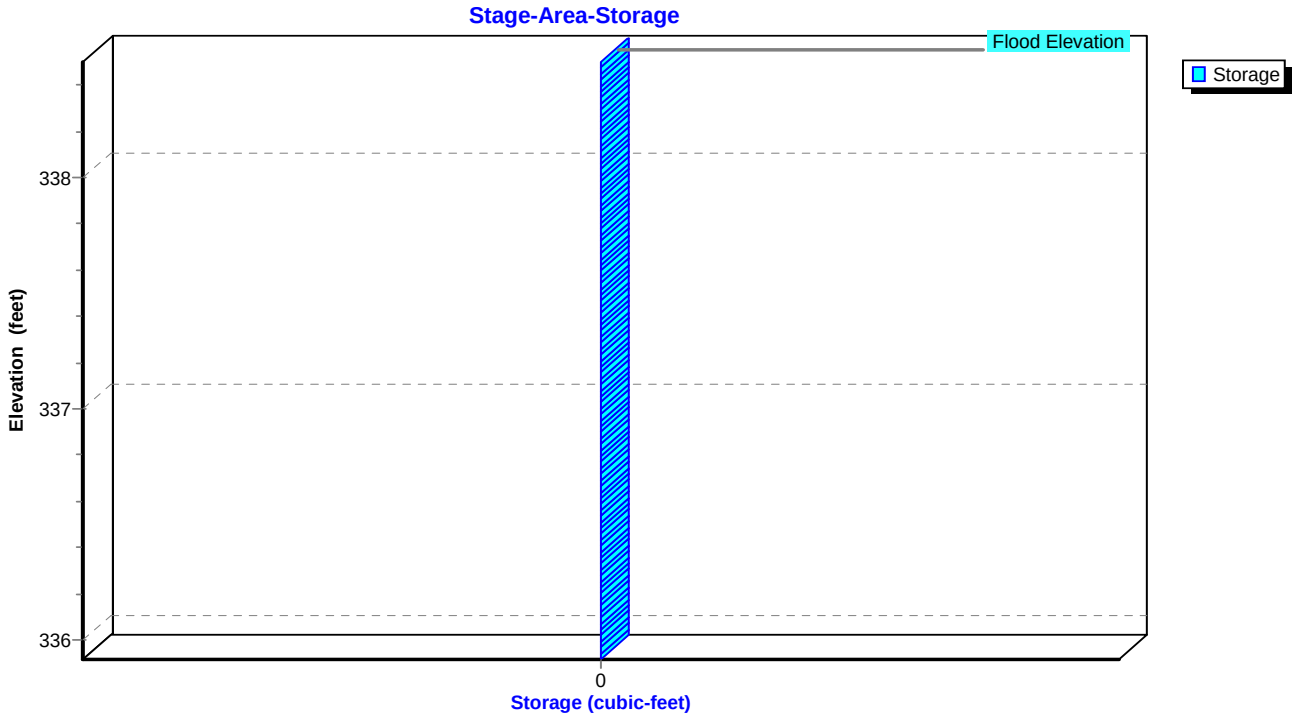
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.94	0.00
10.00	0.02	335.98	0.02
10.50	0.03	336.00	0.03
11.00	0.06	336.03	0.06
11.50	0.13	336.08	0.13
12.00	**0.78**	**336.34**	**0.78**
12.50	**0.95**	**336.38**	**0.95**
13.00	0.30	336.17	0.30
13.50	0.22	336.14	0.22
14.00	0.18	336.12	0.18
14.50	0.16	336.10	0.16
15.00	0.14	336.09	0.14
15.50	0.12	336.08	0.12
16.00	0.10	336.06	0.10
16.50	0.09	336.05	0.09
17.00	0.08	336.05	0.08
17.50	0.07	336.04	0.07
18.00	0.06	336.03	0.06
18.50	0.06	336.03	0.06
19.00	0.05	336.02	0.05
19.50	0.05	336.02	0.05
20.00	0.05	336.02	0.05
20.50	0.05	336.02	0.05
21.00	0.04	336.02	0.04
21.50	0.04	336.01	0.04
22.00	0.04	336.01	0.04
22.50	0.04	336.01	0.04
23.00	0.04	336.01	0.04
23.50	0.03	336.00	0.03
24.00	0.03	336.00	0.03

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

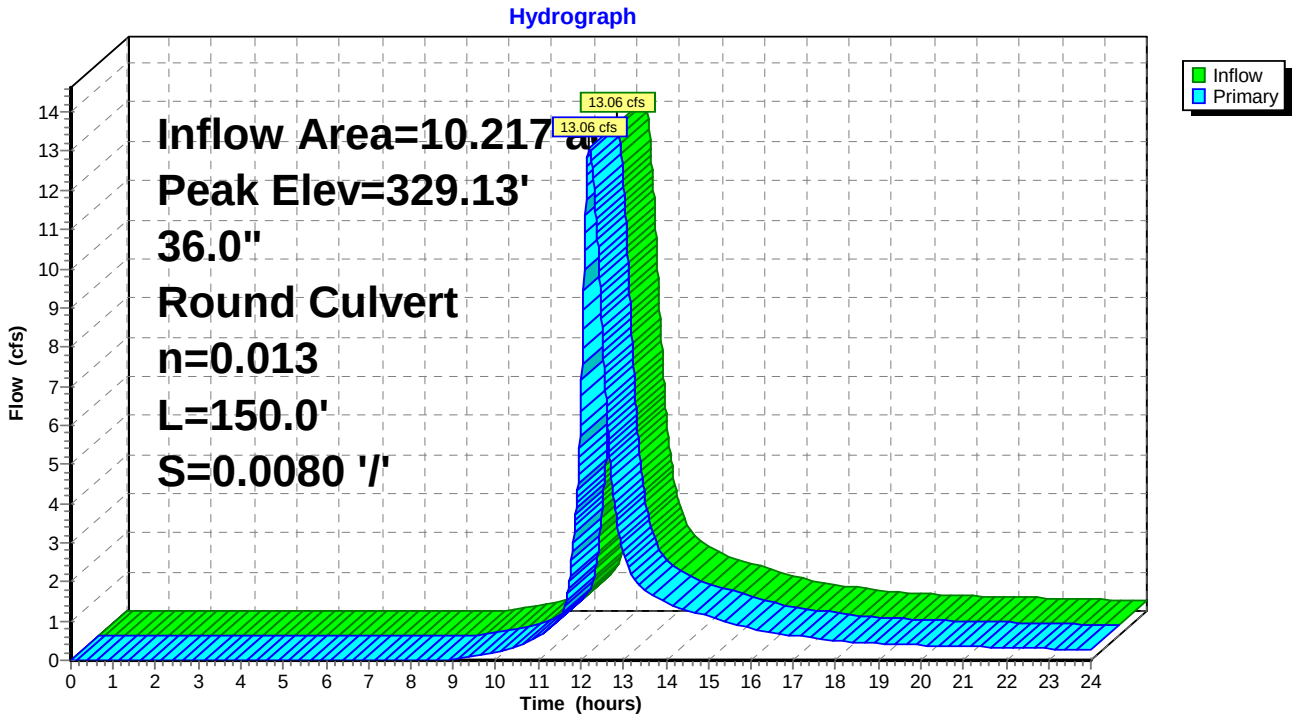
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af
Outflow = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af, Atten= 0%, Lag= 0.0 min
Primary = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.13' @ 12.20 hrs
Flood Elev= 335.75'

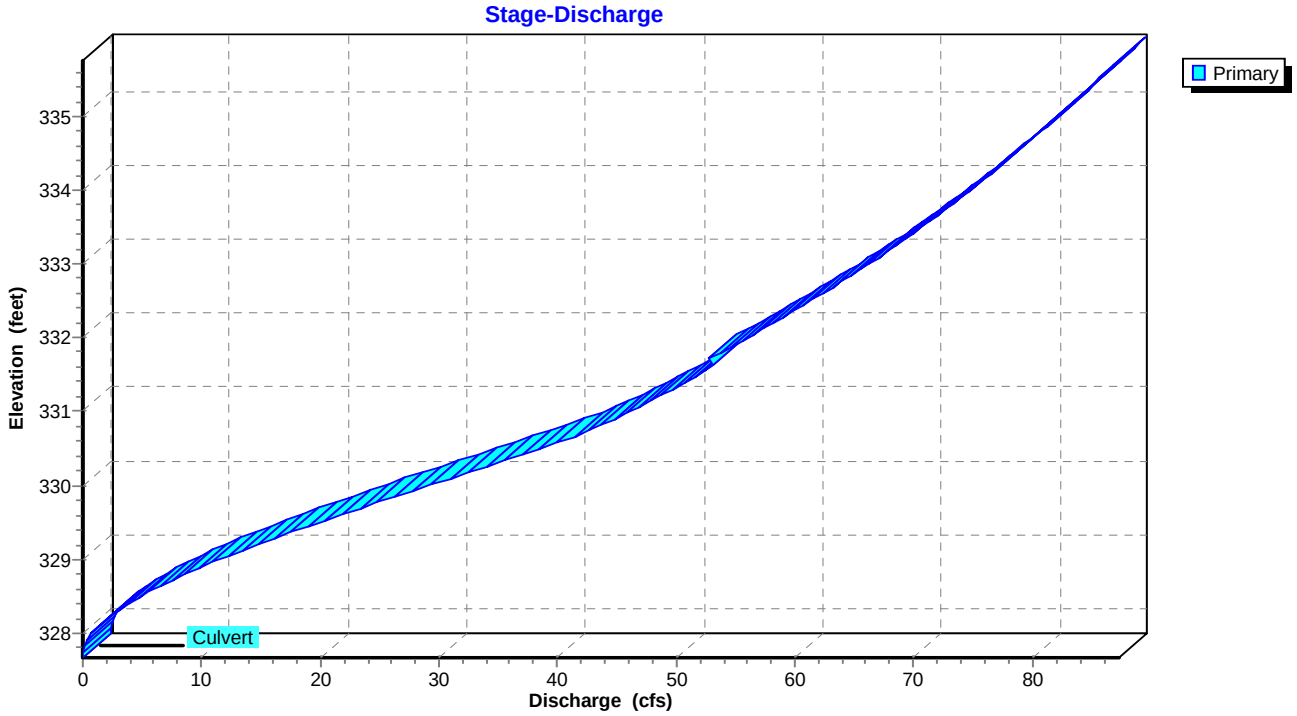
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.06 cfs @ 12.20 hrs HW=329.13' TW=327.70' (Dynamic Tailwater)
1=Culvert (Outlet Controls 13.06 cfs @ 5.58 fps)

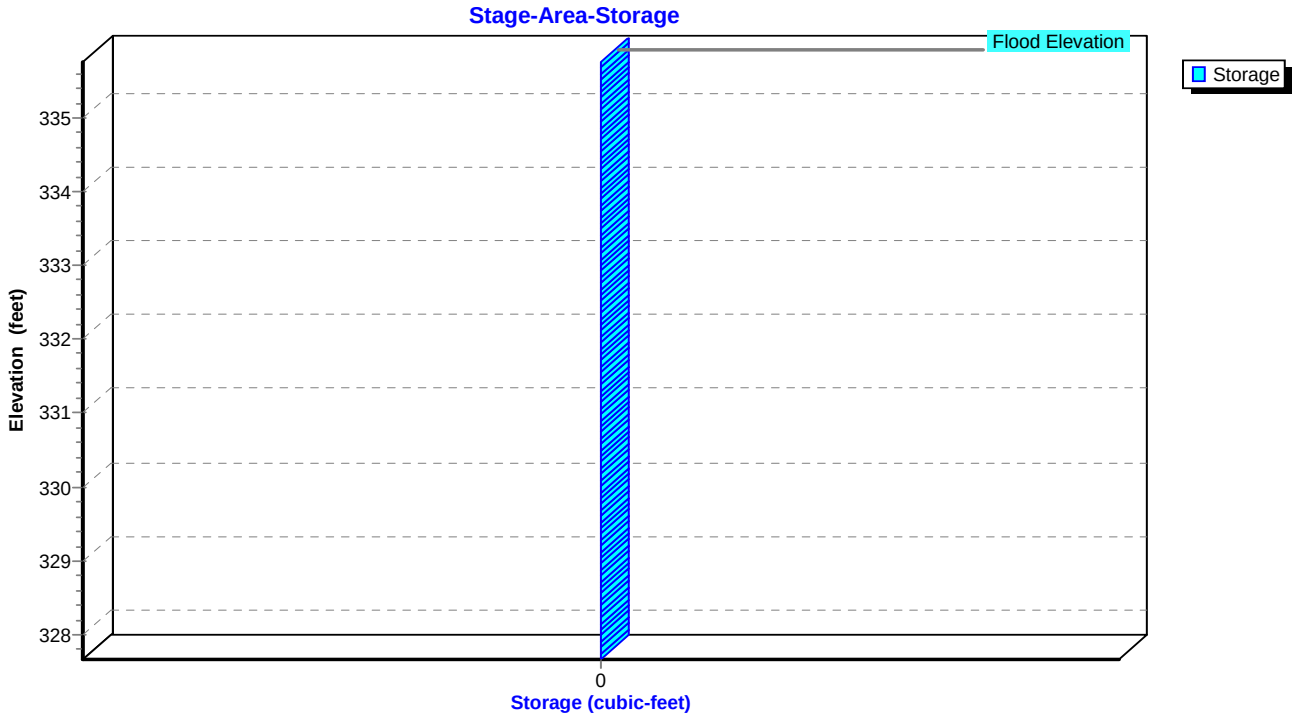
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.67	0.00
7.50	0.00	327.67	0.00
8.00	0.00	327.67	0.00
8.50	0.00	327.70	0.00
9.00	0.03	327.74	0.03
9.50	0.10	327.79	0.10
10.00	0.20	327.84	0.20
10.50	0.36	327.90	0.36
11.00	0.59	327.96	0.59
11.50	1.10	328.06	1.10
12.00	**6.36**	**328.64**	**6.36**
12.50	**8.50**	**328.81**	**8.50**
13.00	2.77	328.29	2.77
13.50	1.82	328.17	1.82
14.00	1.49	328.12	1.49
14.50	1.27	328.09	1.27
15.00	1.12	328.06	1.12
15.50	0.97	328.03	0.97
16.00	0.81	328.00	0.81
16.50	0.70	327.98	0.70
17.00	0.63	327.97	0.63
17.50	0.56	327.95	0.56
18.00	0.49	327.93	0.49
18.50	0.45	327.92	0.45
19.00	0.43	327.91	0.43
19.50	0.41	327.91	0.41
20.00	0.39	327.90	0.39
20.50	0.37	327.90	0.37
21.00	0.35	327.89	0.35
21.50	0.34	327.89	0.34
22.00	0.32	327.88	0.32
22.50	0.30	327.88	0.30
23.00	0.29	327.87	0.29
23.50	0.27	327.87	0.27
24.00	0.26	327.86	0.26

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

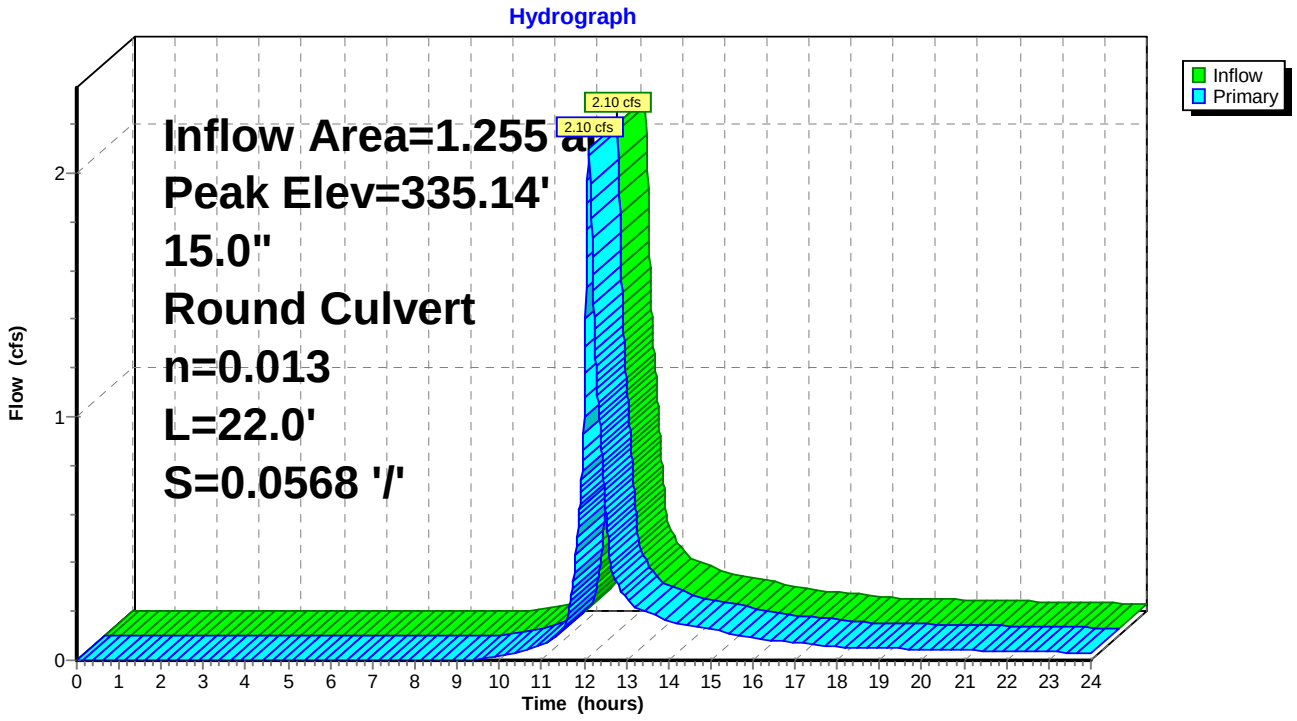
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af
Outflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.14' @ 12.12 hrs
Flood Elev= 337.00'

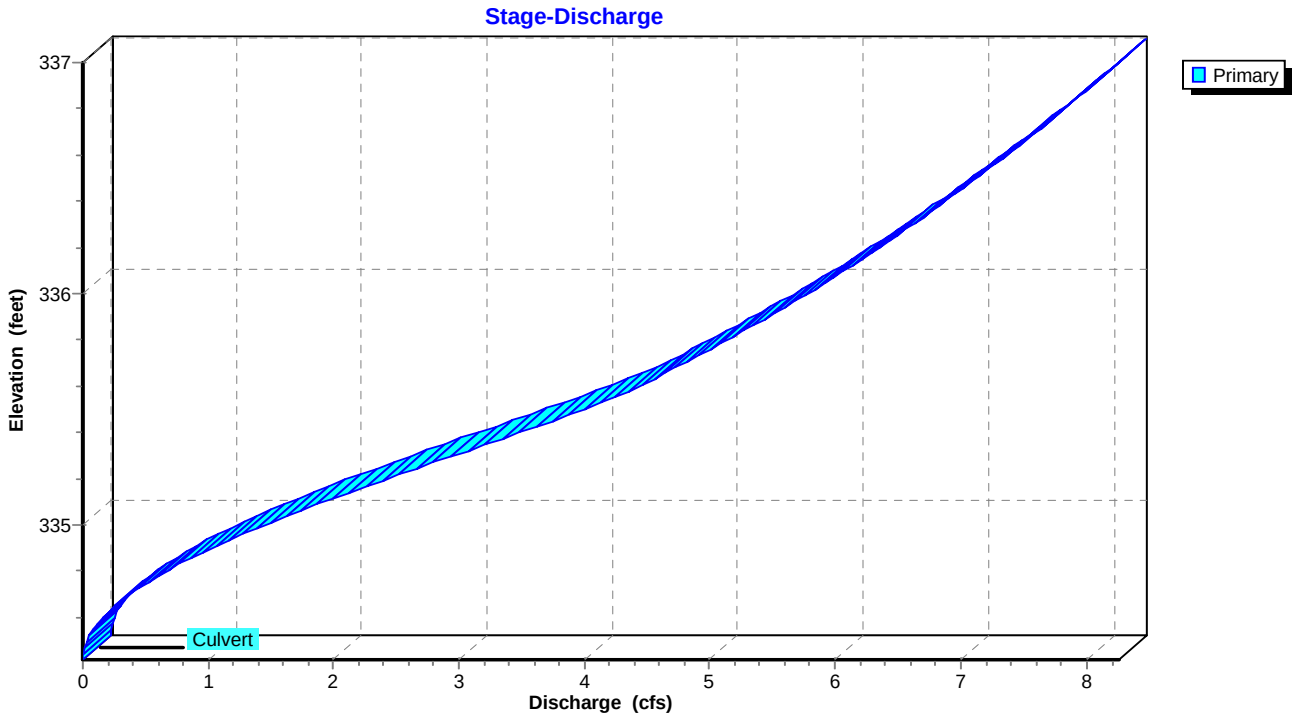
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.10 cfs @ 12.12 hrs HW=335.14' TW=329.05' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.10 cfs @ 2.88 fps)

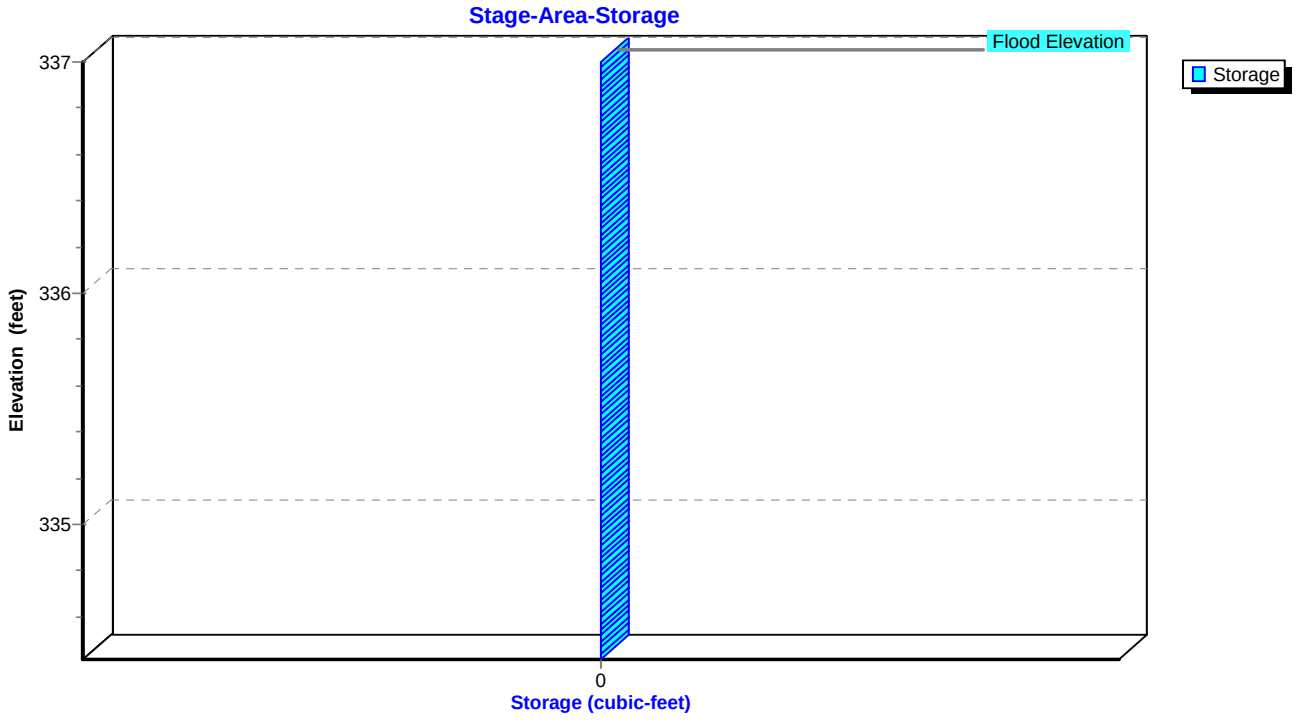
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.45	0.00
10.00	0.02	334.48	0.02
10.50	0.03	334.50	0.03
11.00	0.06	334.53	0.06
11.50	0.13	334.58	0.13
12.00	**1.00**	**334.89**	**1.00**
12.50	**0.67**	**334.80**	**0.67**
13.00	0.26	334.65	0.26
13.50	0.20	334.62	0.20
14.00	0.16	334.60	0.16
14.50	0.14	334.59	0.14
15.00	0.13	334.58	0.13
15.50	0.11	334.57	0.11
16.00	0.09	334.56	0.09
16.50	0.08	334.55	0.08
17.00	0.07	334.54	0.07
17.50	0.06	334.53	0.06
18.00	0.06	334.53	0.06
18.50	0.05	334.52	0.05
19.00	0.05	334.52	0.05
19.50	0.05	334.52	0.05
20.00	0.04	334.51	0.04
20.50	0.04	334.51	0.04
21.00	0.04	334.51	0.04
21.50	0.04	334.51	0.04
22.00	0.04	334.51	0.04
22.50	0.04	334.50	0.04
23.00	0.03	334.50	0.03
23.50	0.03	334.50	0.03
24.00	0.03	334.50	0.03

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

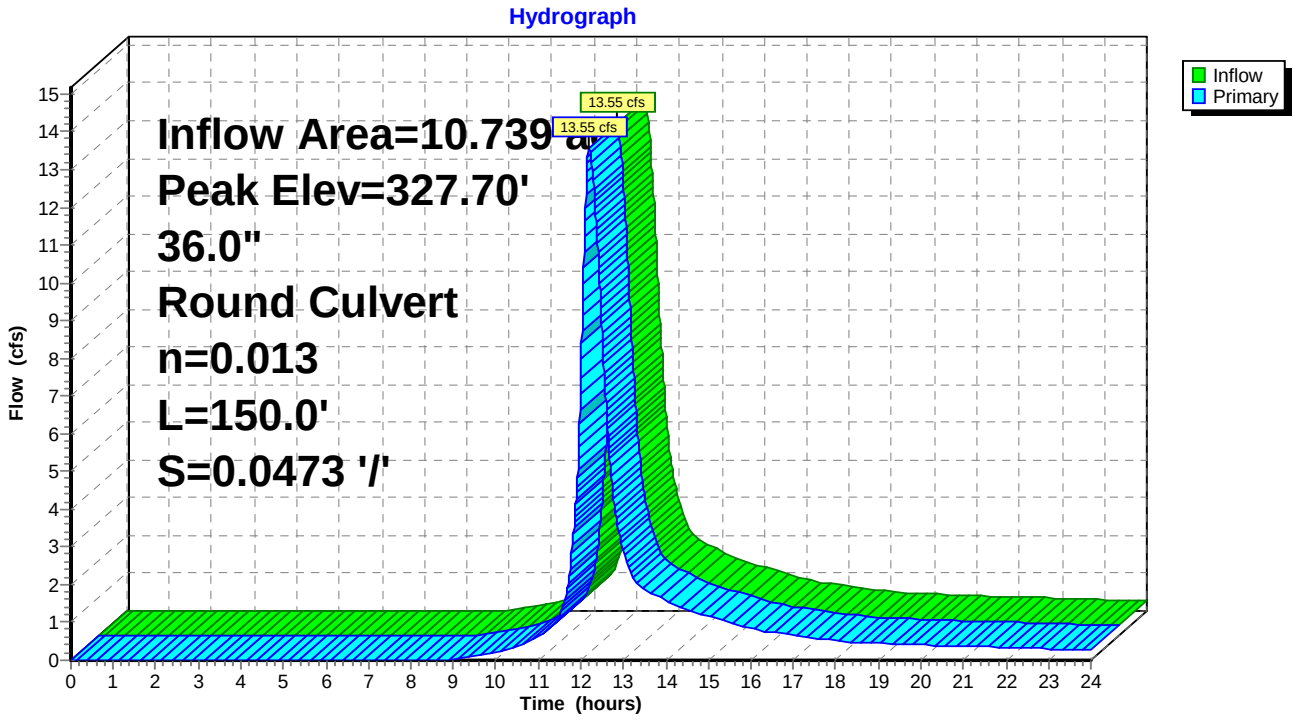
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af
Outflow = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af, Atten= 0%, Lag= 0.0 min
Primary = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 327.70' @ 12.19 hrs
Flood Elev= 332.25'

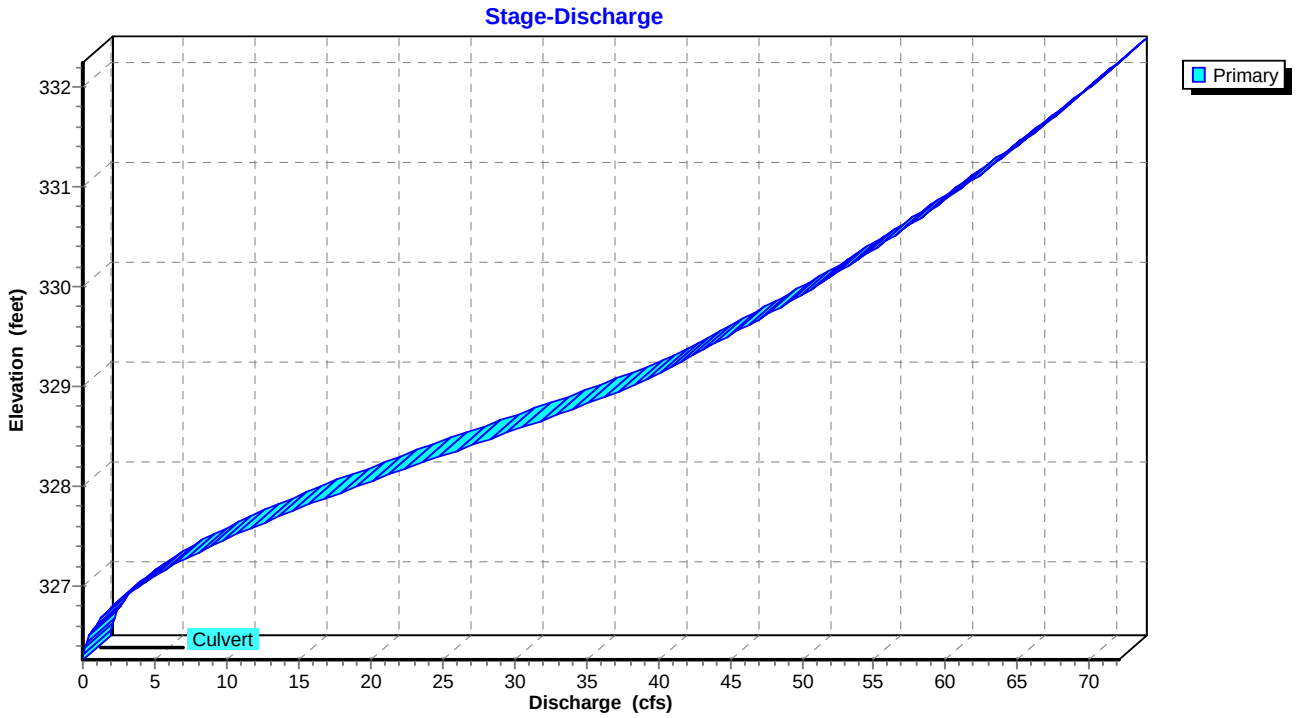
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.55 cfs @ 12.19 hrs HW=327.70' TW=320.46' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 13.55 cfs @ 4.07 fps)

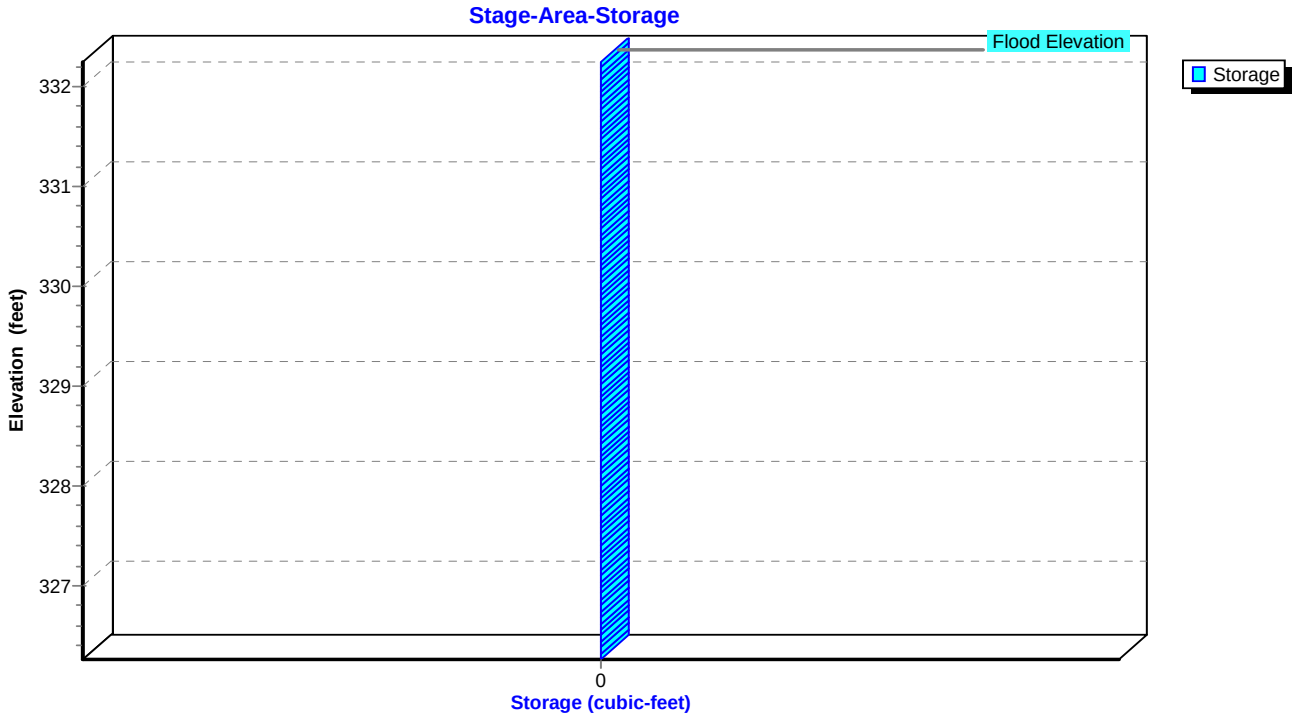
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.27	0.00
7.50	0.00	326.27	0.00
8.00	0.00	326.27	0.00
8.50	0.00	326.29	0.00
9.00	0.03	326.33	0.03
9.50	0.10	326.38	0.10
10.00	0.22	326.44	0.22
10.50	0.38	326.49	0.38
11.00	0.63	326.56	0.63
11.50	1.18	326.66	1.18
12.00	**7.49**	**327.31**	**7.49**
12.50	**8.68**	**327.39**	**8.68**
13.00	2.87	326.90	2.87
13.50	1.90	326.78	1.90
14.00	1.56	326.73	1.56
14.50	1.33	326.69	1.33
15.00	1.17	326.66	1.17
15.50	1.01	326.64	1.01
16.00	0.85	326.60	0.85
16.50	0.73	326.58	0.73
17.00	0.66	326.56	0.66
17.50	0.59	326.55	0.59
18.00	0.52	326.53	0.52
18.50	0.47	326.52	0.47
19.00	0.45	326.51	0.45
19.50	0.43	326.51	0.43
20.00	0.40	326.50	0.40
20.50	0.39	326.49	0.39
21.00	0.37	326.49	0.37
21.50	0.35	326.48	0.35
22.00	0.34	326.48	0.34
22.50	0.32	326.47	0.32
23.00	0.30	326.47	0.30
23.50	0.29	326.46	0.29
24.00	0.27	326.46	0.27

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

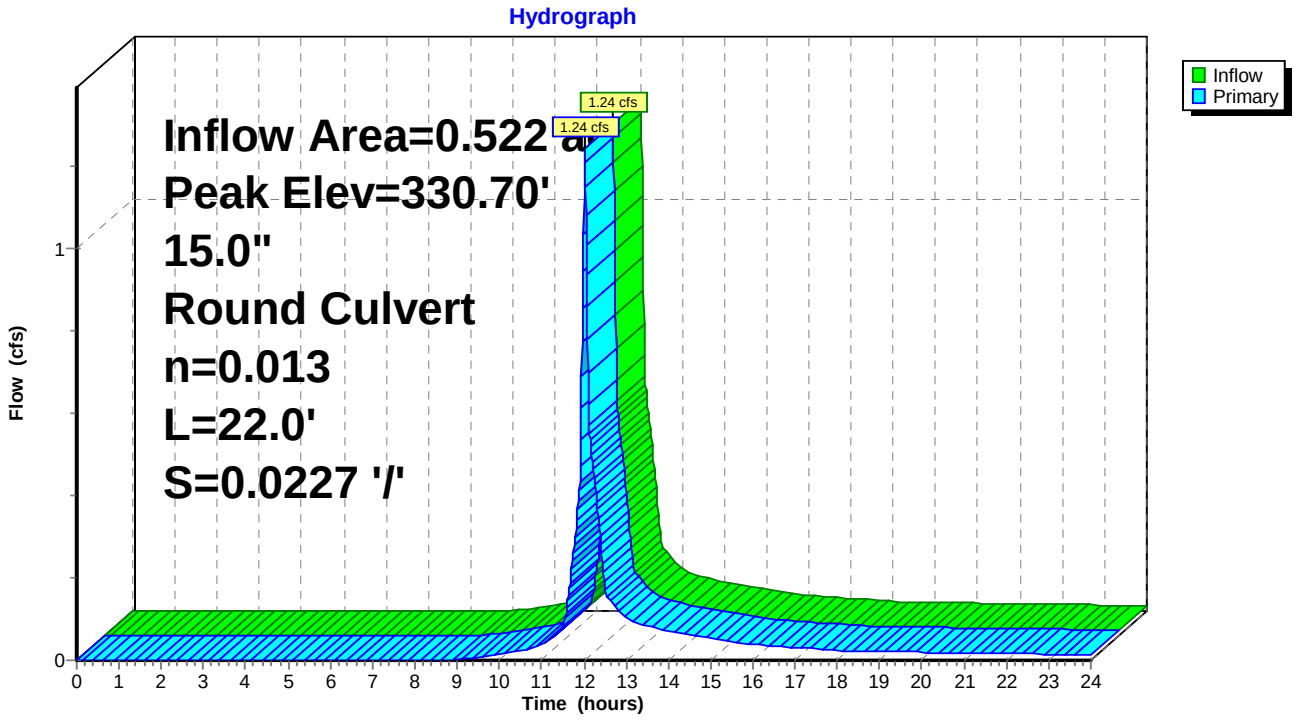
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af
Outflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.70' @ 12.02 hrs
Flood Elev= 332.80'

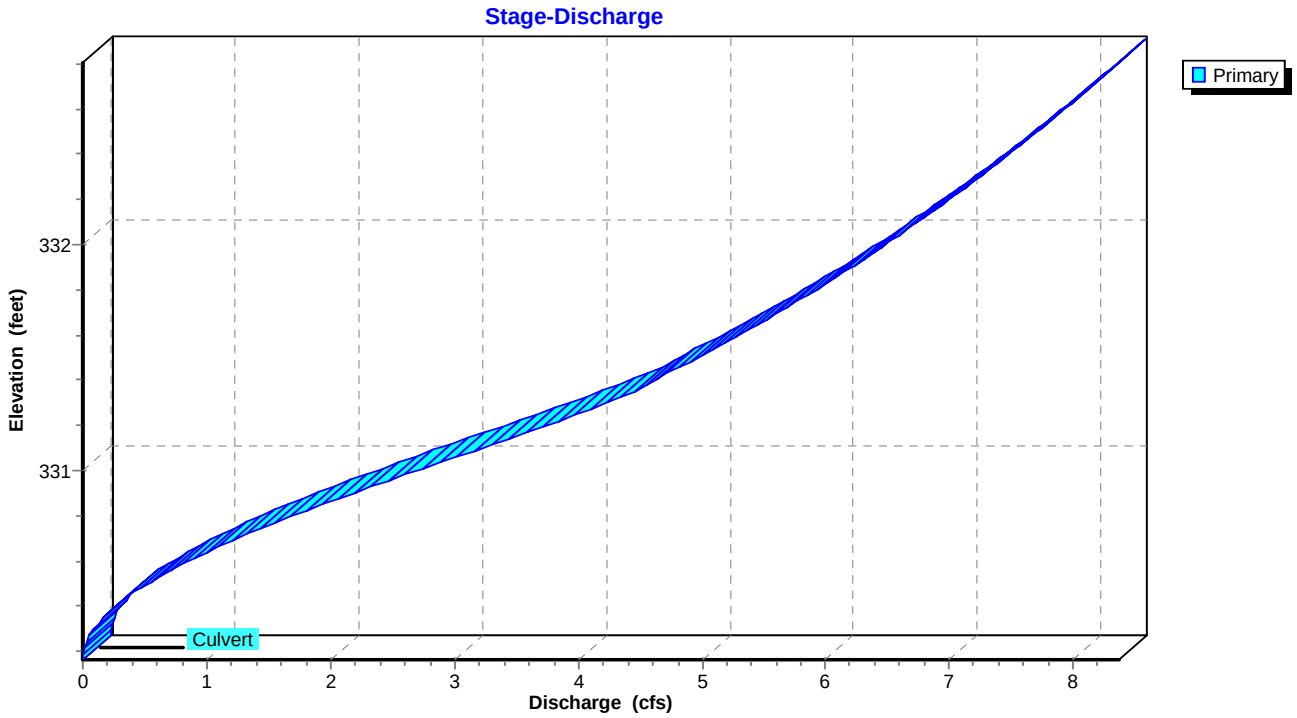
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.24 cfs @ 12.02 hrs HW=330.70' TW=327.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.24 cfs @ 2.49 fps)

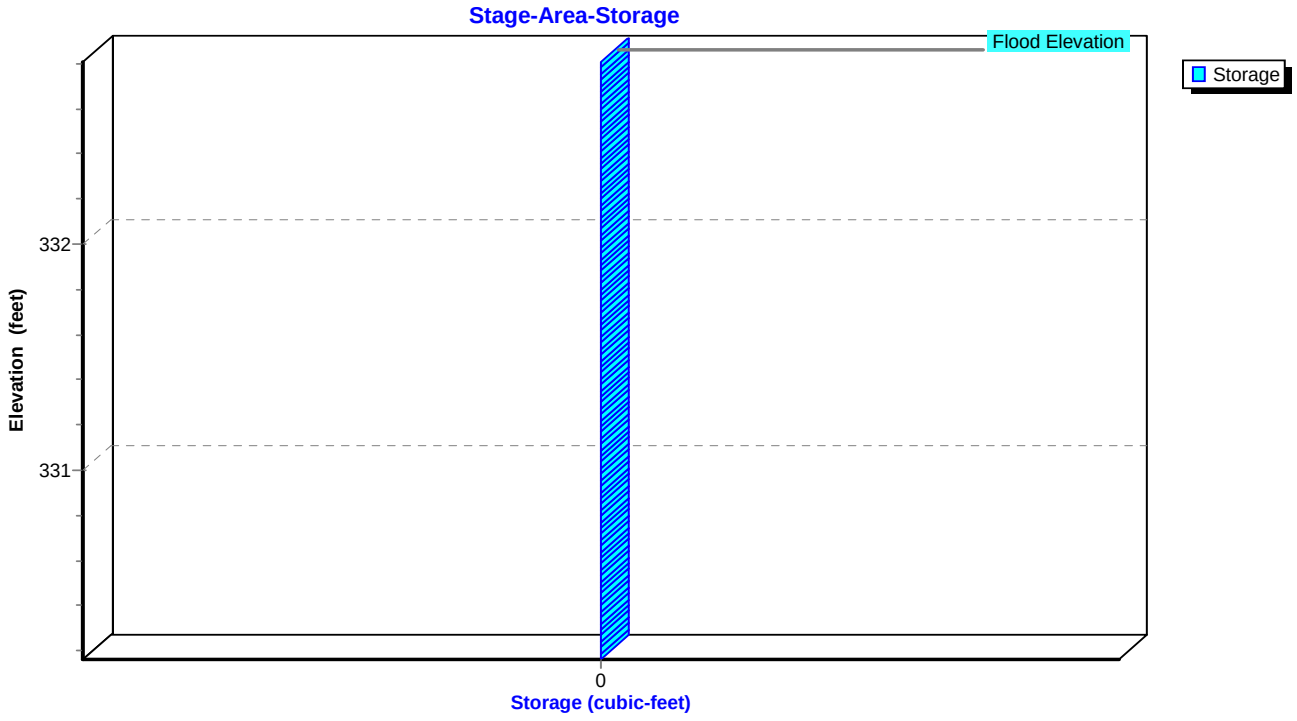
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.19	0.00
9.50	0.01	330.21	0.01
10.00	0.01	330.22	0.01
10.50	0.02	330.24	0.02
11.00	0.04	330.26	0.04
11.50	0.08	330.29	0.08
12.00	**1.13**	**330.68**	**1.13**
12.50	**0.17**	**330.36**	**0.17**
13.00	0.10	330.31	0.10
13.50	0.08	330.30	0.08
14.00	0.07	330.29	0.07
14.50	0.06	330.28	0.06
15.00	0.05	330.27	0.05
15.50	0.05	330.27	0.05
16.00	0.04	330.26	0.04
16.50	0.03	330.25	0.03
17.00	0.03	330.25	0.03
17.50	0.03	330.24	0.03
18.00	0.02	330.24	0.02
18.50	0.02	330.24	0.02
19.00	0.02	330.24	0.02
19.50	0.02	330.23	0.02
20.00	0.02	330.23	0.02
20.50	0.02	330.23	0.02
21.00	0.02	330.23	0.02
21.50	0.02	330.23	0.02
22.00	0.02	330.23	0.02
22.50	0.02	330.23	0.02
23.00	0.01	330.22	0.01
23.50	0.01	330.22	0.01
24.00	0.01	330.22	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

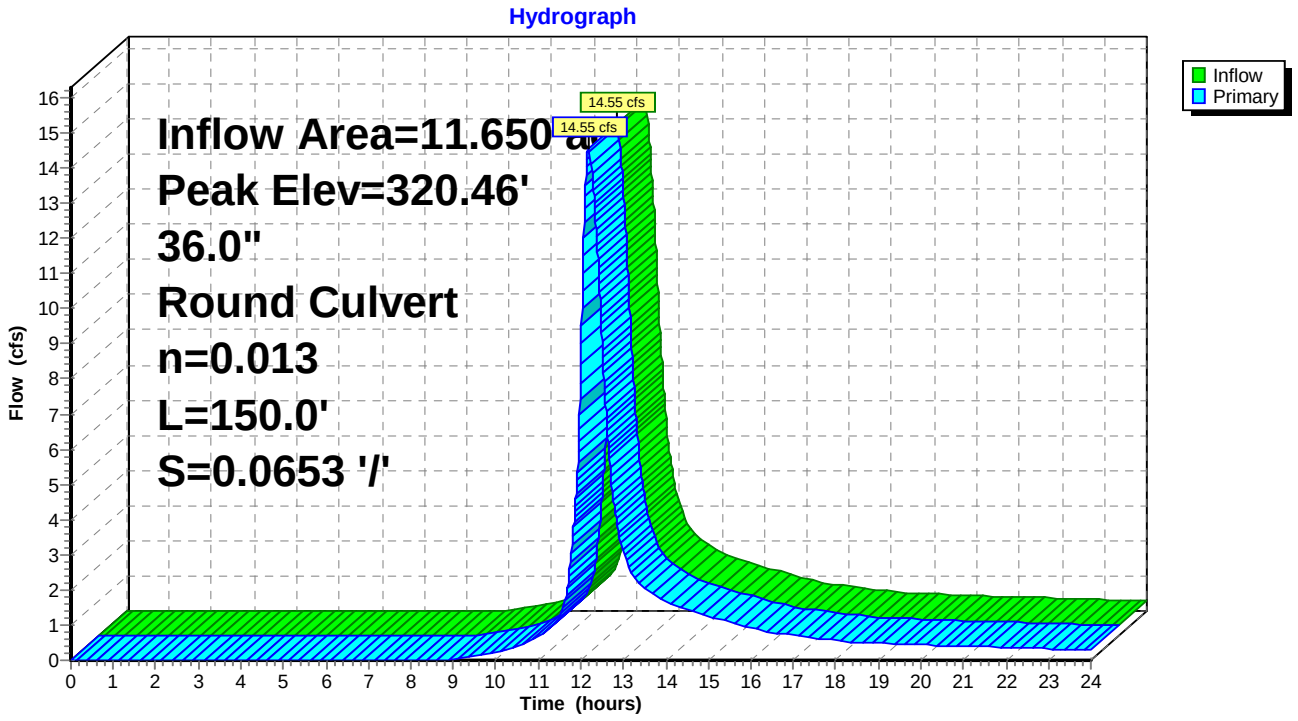
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af
Outflow = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af, Atten= 0%, Lag= 0.0 min
Primary = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.46' @ 12.18 hrs
Flood Elev= 338.50'

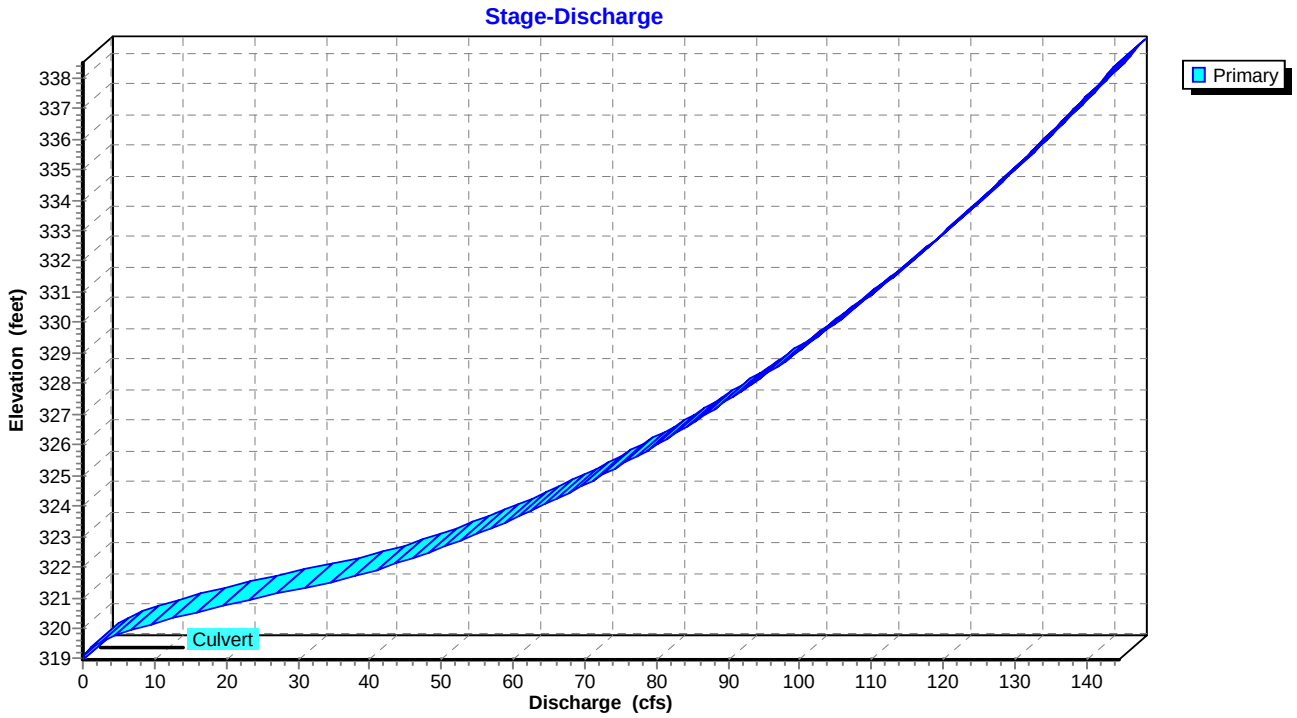
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.55 cfs @ 12.18 hrs HW=320.46' TW=310.50' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 14.55 cfs @ 4.15 fps)

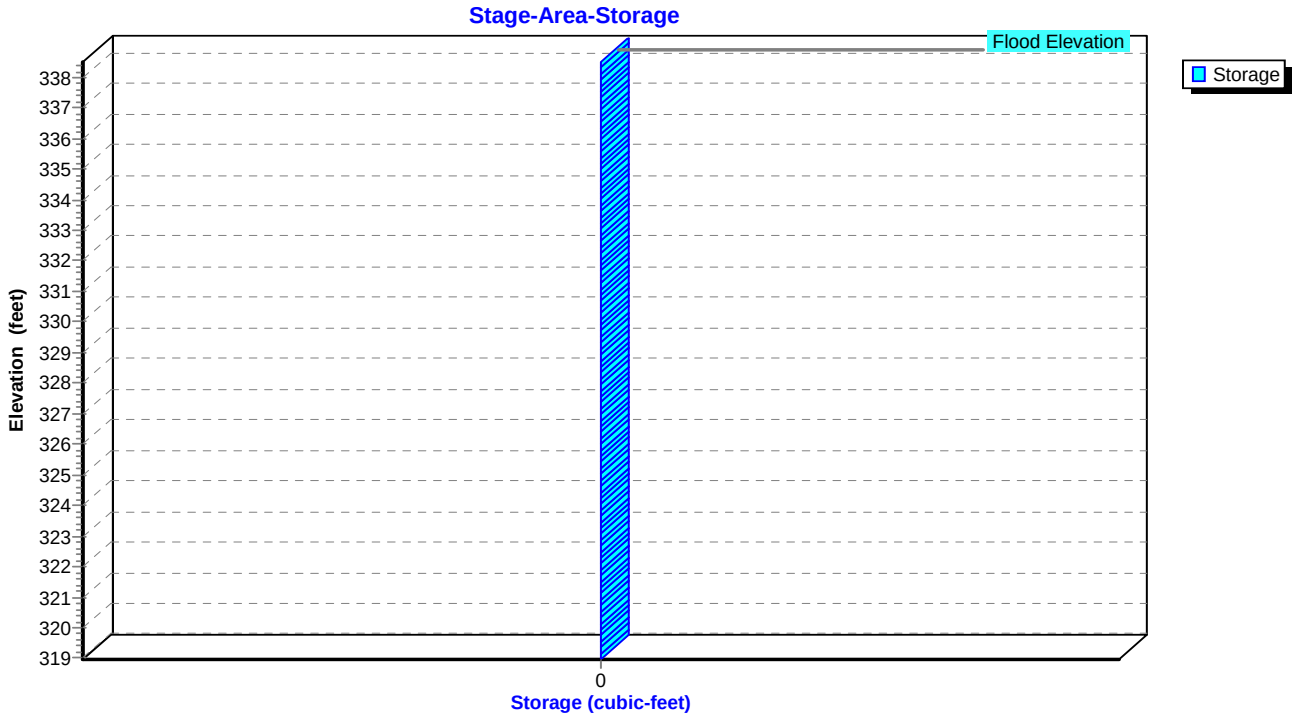
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.00	318.97	0.00
8.00	0.00	318.97	0.00
8.50	0.00	318.99	0.00
9.00	0.03	319.03	0.03
9.50	0.10	319.09	0.10
10.00	0.22	319.14	0.22
10.50	0.40	319.20	0.40
11.00	0.67	319.27	0.67
11.50	1.27	319.38	1.27
12.00	**8.42**	**320.07**	**8.42**
12.50	**9.07**	**320.12**	**9.07**
13.00	3.05	319.61	3.05
13.50	2.04	319.49	2.04
14.00	1.67	319.44	1.67
14.50	1.43	319.41	1.43
15.00	1.26	319.38	1.26
15.50	1.09	319.35	1.09
16.00	0.91	319.32	0.91
16.50	0.79	319.29	0.79
17.00	0.71	319.28	0.71
17.50	0.63	319.26	0.63
18.00	0.56	319.24	0.56
18.50	0.51	319.23	0.51
19.00	0.48	319.22	0.48
19.50	0.46	319.21	0.46
20.00	0.44	319.21	0.44
20.50	0.42	319.20	0.42
21.00	0.40	319.20	0.40
21.50	0.38	319.19	0.38
22.00	0.36	319.19	0.36
22.50	0.34	319.18	0.34
23.00	0.33	319.18	0.33
23.50	0.31	319.17	0.31
24.00	0.29	319.16	0.29

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

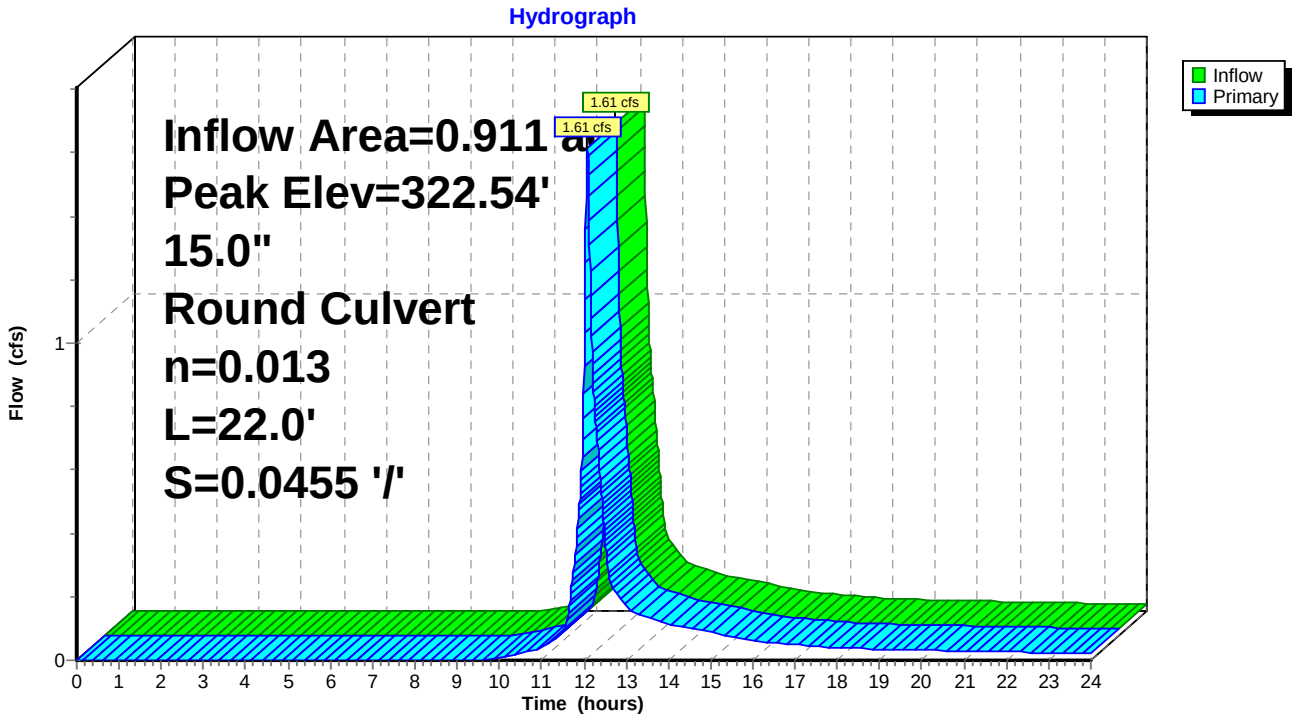
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 1.50" for 2-Year event
Inflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af
Outflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.54' @ 12.08 hrs
Flood Elev= 324.50'

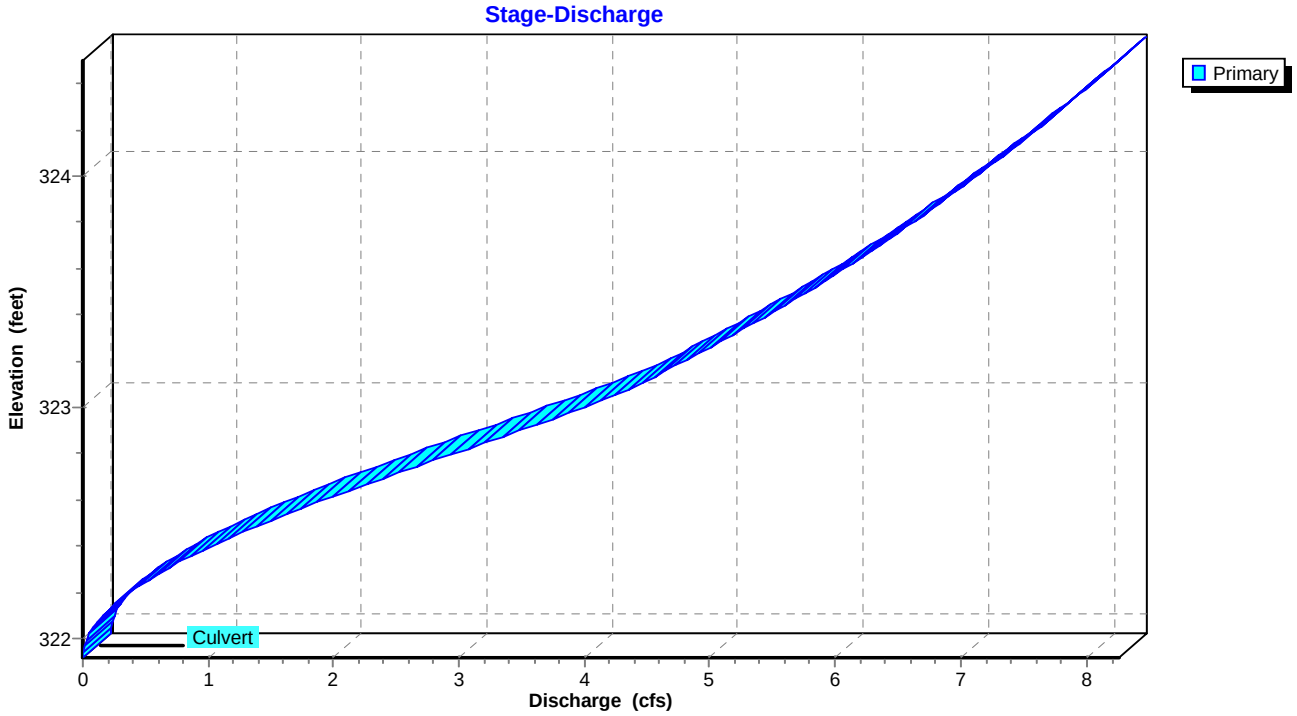
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.61 cfs @ 12.08 hrs HW=322.54' TW=320.34' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.61 cfs @ 2.67 fps)

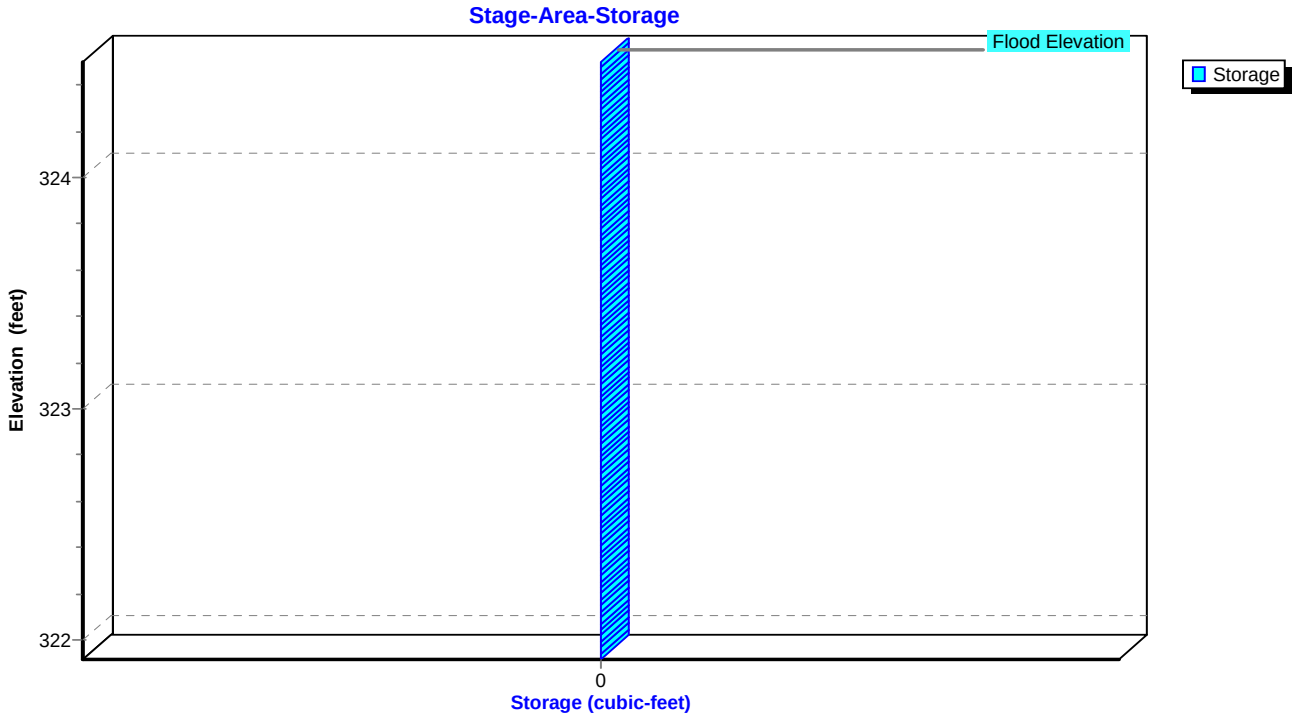
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.93	0.00
10.00	0.01	321.96	0.01
10.50	0.02	321.99	0.02
11.00	0.04	322.01	0.04
11.50	0.09	322.06	0.09
12.00	**0.93**	**322.38**	**0.93**
12.50	**0.39**	**322.21**	**0.39**
13.00	0.17	322.11	0.17
13.50	0.14	322.09	0.14
14.00	0.11	322.07	0.11
14.50	0.10	322.06	0.10
15.00	0.09	322.05	0.09
15.50	0.08	322.04	0.08
16.00	0.06	322.03	0.06
16.50	0.06	322.03	0.06
17.00	0.05	322.02	0.05
17.50	0.04	322.01	0.04
18.00	0.04	322.01	0.04
18.50	0.04	322.01	0.04
19.00	0.03	322.00	0.03
19.50	0.03	322.00	0.03
20.00	0.03	322.00	0.03
20.50	0.03	322.00	0.03
21.00	0.03	322.00	0.03
21.50	0.03	321.99	0.03
22.00	0.03	321.99	0.03
22.50	0.02	321.99	0.02
23.00	0.02	321.99	0.02
23.50	0.02	321.99	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.10' Inflow=4.05 cfs 0.476 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=4.05 cfs 0.476 af

Pond CB10: Catchbasin Peak Elev=310.91' Inflow=22.85 cfs 2.595 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=22.85 cfs 2.595 af

Pond CB10-1: CB1-1 Peak Elev=312.68' Inflow=2.30 cfs 0.138 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.30 cfs 0.138 af

Pond CB11: Catchbasin Peak Elev=299.86' Inflow=24.43 cfs 2.725 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=24.43 cfs 2.725 af

Pond CB11-1: CB1-1 Peak Elev=302.78' Inflow=1.60 cfs 0.131 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.60 cfs 0.131 af

Pond CB12: Catchbasin Peak Elev=298.65' Inflow=27.56 cfs 2.985 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=27.56 cfs 2.985 af

Pond CB12-1: CB1-1 Peak Elev=300.64' Inflow=3.41 cfs 0.260 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.41 cfs 0.260 af

Pond CB13: Catchbasin Peak Elev=295.94' Inflow=29.53 cfs 3.152 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=29.53 cfs 3.152 af

Pond CB13-1: CB1-1 Peak Elev=297.11' Inflow=1.97 cfs 0.167 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.97 cfs 0.167 af

Pond CB14: Catchbasin Peak Elev=288.89' Inflow=29.91 cfs 3.205 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=29.91 cfs 3.205 af

Pond CB14-1: CB1-1 Peak Elev=290.86' Inflow=0.85 cfs 0.052 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=0.85 cfs 0.052 af

Pond CB15: Catchbasin Peak Elev=285.02' Inflow=38.73 cfs 4.363 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=38.73 cfs 4.363 af

Pond CB15-1: CB1-1 Peak Elev=285.51' Inflow=10.97 cfs 1.158 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=10.97 cfs 1.158 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.78' Inflow=8.53 cfs 0.959 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=8.53 cfs 0.959 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.97' Inflow=10.50 cfs 1.174 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=10.50 cfs 1.174 af

Pond CB4: Catchbasin Peak Elev=333.29' Inflow=13.96 cfs 1.593 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=13.96 cfs 1.593 af

Pond CB4-1: CB1-1 Peak Elev=336.84' Inflow=13.96 cfs 1.593 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=13.96 cfs 1.593 af

Pond CB5: Catchbasin Peak Elev=332.10' Inflow=14.31 cfs 1.653 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=14.31 cfs 1.653 af

Pond CB5-1: CB1-1 Peak Elev=334.37' Inflow=1.01 cfs 0.060 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.01 cfs 0.060 af

Pond CB6: Catchbasin Peak Elev=330.86' Inflow=17.20 cfs 1.924 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=17.20 cfs 1.924 af

Pond CB6-1: CB1-1 Peak Elev=336.81' Inflow=3.01 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.01 cfs 0.271 af

Pond CB7: Catchbasin Peak Elev=329.56' Inflow=19.65 cfs 2.172 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=19.65 cfs 2.172 af

Pond CB7-1: CB1-1 Peak Elev=335.35' Inflow=3.22 cfs 0.248 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.22 cfs 0.248 af

Pond CB8: Catchbasin Peak Elev=328.08' Inflow=20.37 cfs 2.283 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=20.37 cfs 2.283 af

Pond CB8-1: CB1-1 Peak Elev=330.84' Inflow=1.86 cfs 0.111 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.86 cfs 0.111 af

Pond CB9: Catchbasin Peak Elev=320.86' Inflow=21.92 cfs 2.457 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=21.92 cfs 2.457 af

Pond CB9-1: CB1-1 Peak Elev=322.72' Inflow=2.50 cfs 0.174 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.50 cfs 0.174 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

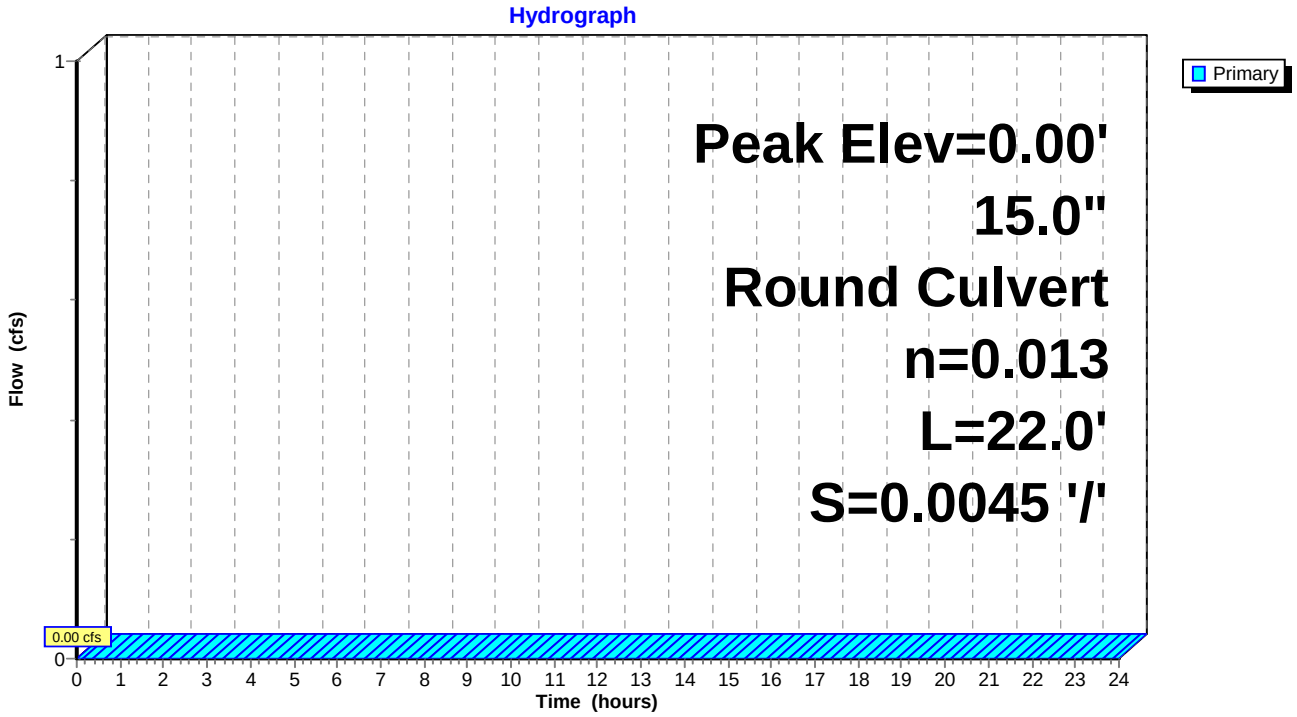
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

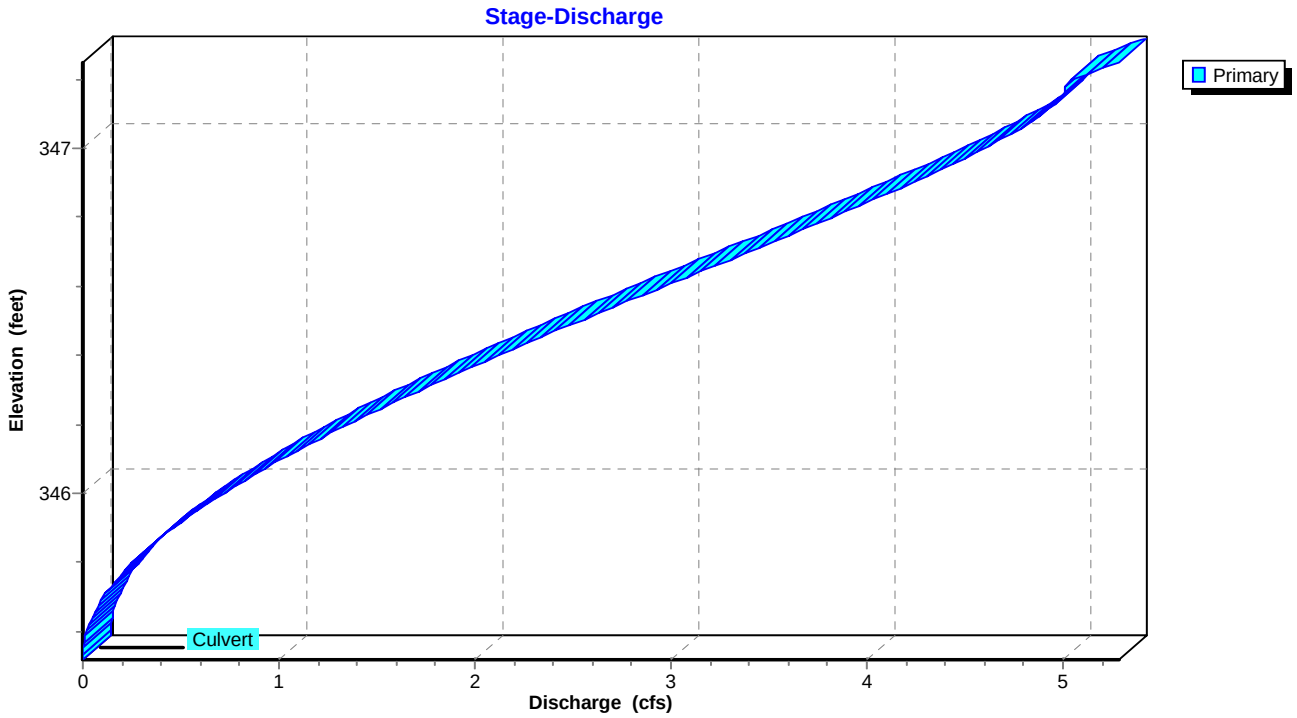
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

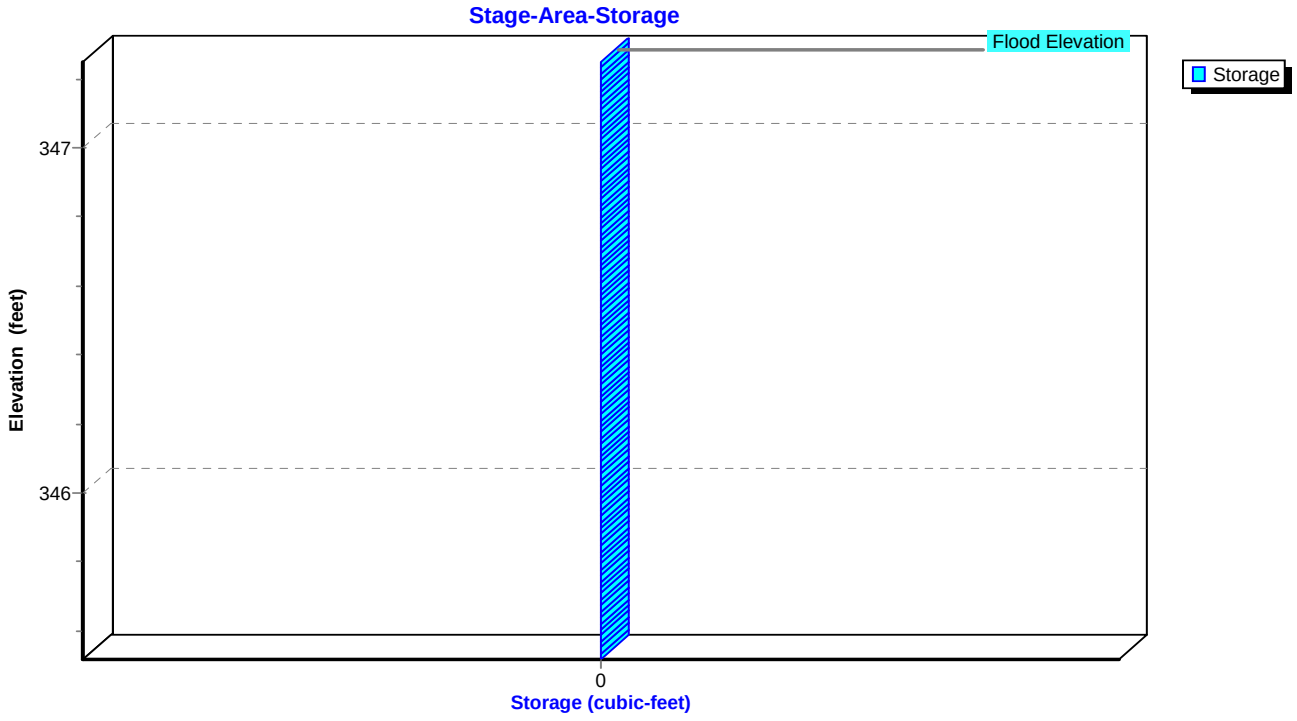
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

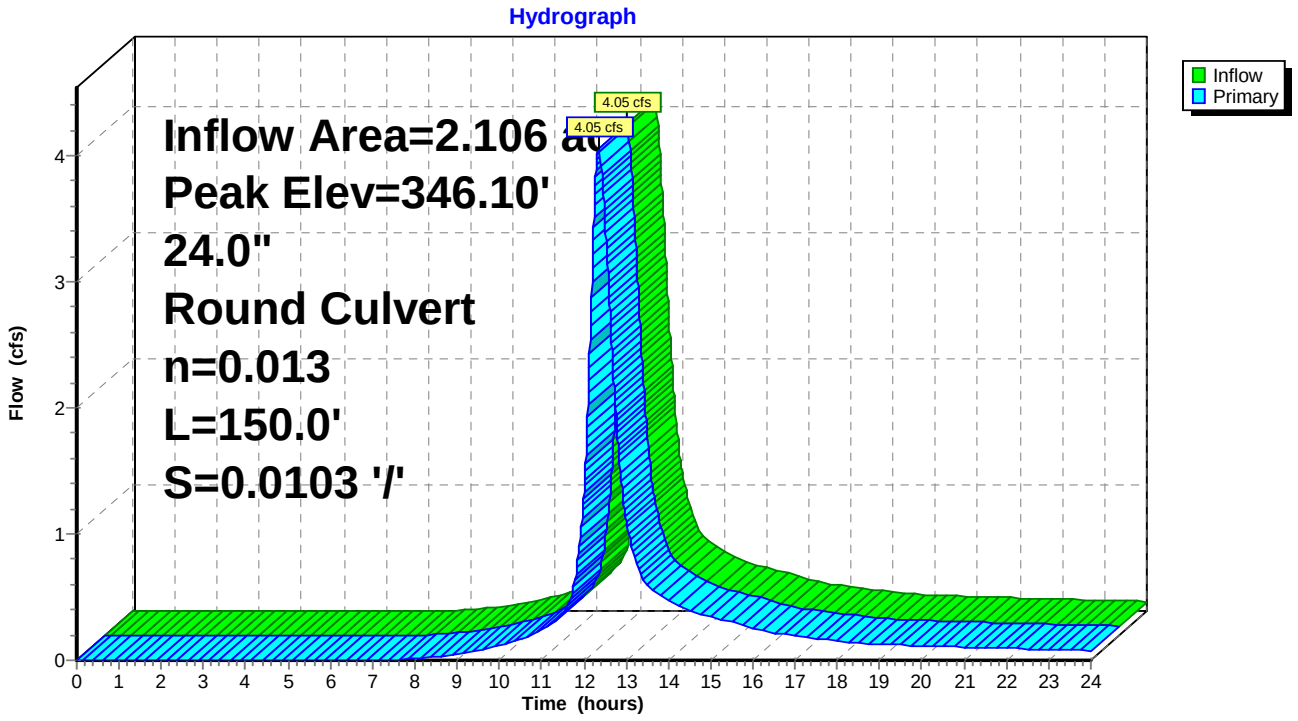
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 2.71" for 5-Year event
Inflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af
Outflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af, Atten= 0%, Lag= 0.0 min
Primary = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.10' @ 12.34 hrs
Flood Elev= 348.80'

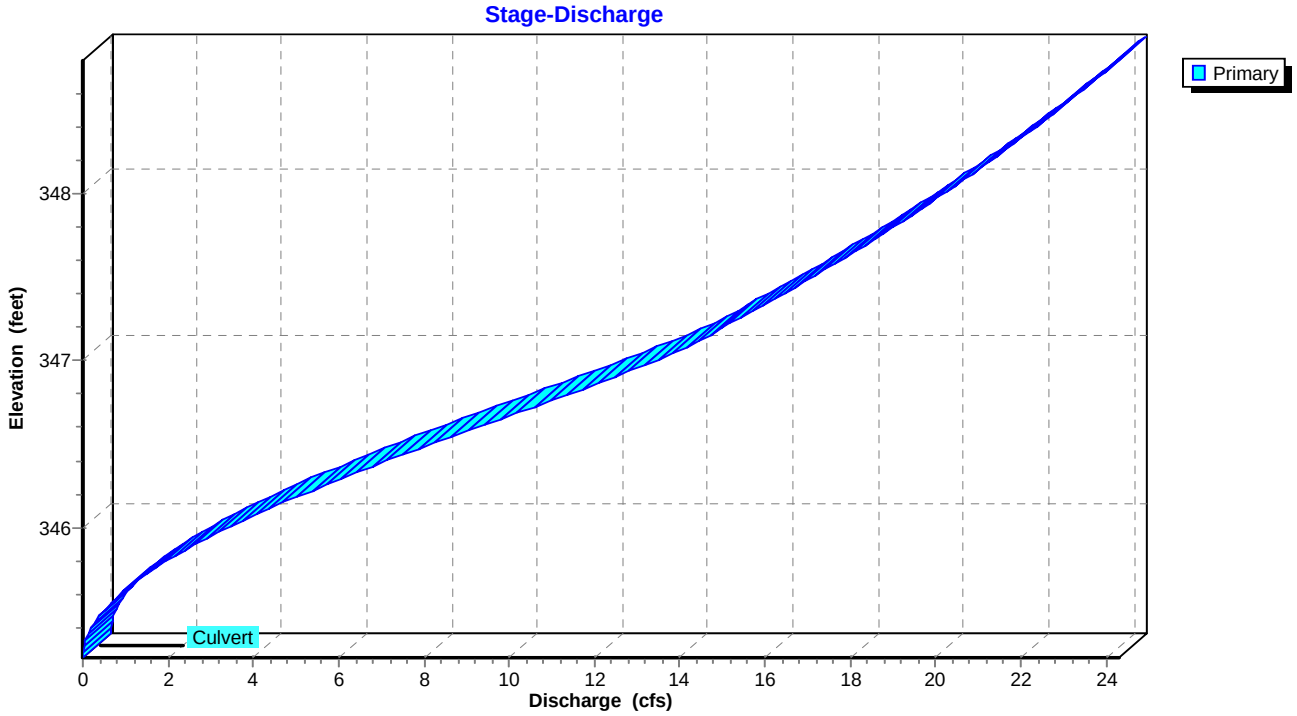
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=4.06 cfs @ 12.36 hrs HW=346.10' TW=344.76' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.06 cfs @ 4.49 fps)

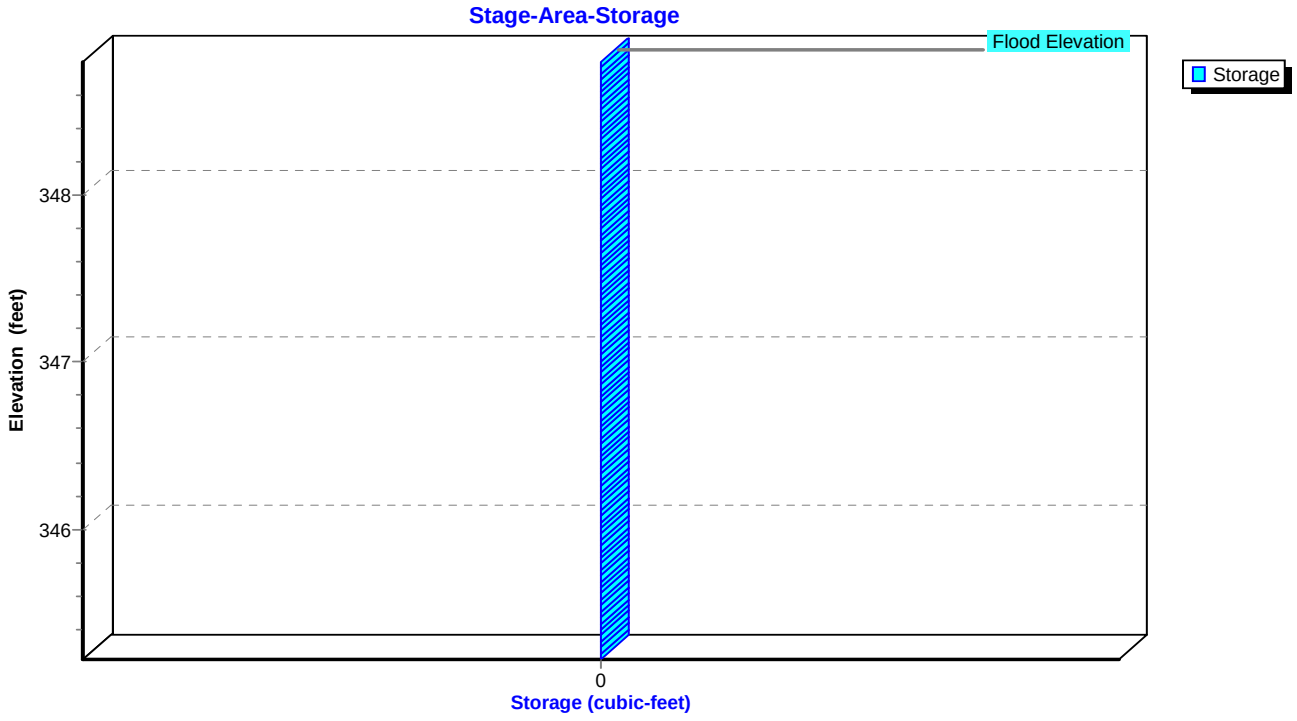
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.24	0.00
8.00	0.01	345.27	0.01
8.50	0.03	345.29	0.03
9.00	0.05	345.31	0.05
9.50	0.08	345.34	0.08
10.00	0.12	345.36	0.12
10.50	0.17	345.38	0.17
11.00	0.24	345.42	0.24
11.50	0.38	345.47	0.38
12.00	**1.33**	**345.69**	**1.33**
12.50	**3.51**	**346.02**	**3.51**
13.00	1.11	345.65	1.11
13.50	0.60	345.53	0.60
14.00	0.47	345.50	0.47
14.50	0.39	345.47	0.39
15.00	0.35	345.46	0.35
15.50	0.30	345.44	0.30
16.00	0.25	345.42	0.25
16.50	0.21	345.41	0.21
17.00	0.19	345.40	0.19
17.50	0.17	345.39	0.17
18.00	0.15	345.38	0.15
18.50	0.13	345.37	0.13
19.00	0.13	345.36	0.13
19.50	0.12	345.36	0.12
20.00	0.11	345.36	0.11
20.50	0.11	345.35	0.11
21.00	0.10	345.35	0.10
21.50	0.10	345.35	0.10
22.00	0.09	345.34	0.09
22.50	0.09	345.34	0.09
23.00	0.09	345.34	0.09
23.50	0.08	345.34	0.08
24.00	0.08	345.33	0.08

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.22	**0**	347.77	0
345.27	0	347.82	0
345.32	0	347.87	0
345.37	0	347.92	0
345.42	0	347.97	0
345.47	0	348.02	0
345.52	0	348.07	0
345.57	0	348.12	0
345.62	0	348.17	0
345.67	0	348.22	0
345.72	0	348.27	0
345.77	0	348.32	0
345.82	0	348.37	0
345.87	0	348.42	0
345.92	0	348.47	0
345.97	0	348.52	0
346.02	0	348.57	0
346.07	0	348.62	0
346.12	0	348.67	0
346.17	0	348.72	0
346.22	0	348.77	0
346.27	0		
346.32	0		
346.37	0		
346.42	0		
346.47	0		
346.52	0		
346.57	0		
346.62	0		
346.67	0		
346.72	0		
346.77	0		
346.82	0		
346.87	0		
346.92	0		
346.97	0		
347.02	0		
347.07	0		
347.12	0		
347.17	0		
347.22	0		
347.27	0		
347.32	0		
347.37	0		
347.42	0		
347.47	0		
347.52	0		
347.57	0		
347.62	0		
347.67	0		
347.72	0		

Summary for Pond CB10: Catchbasin

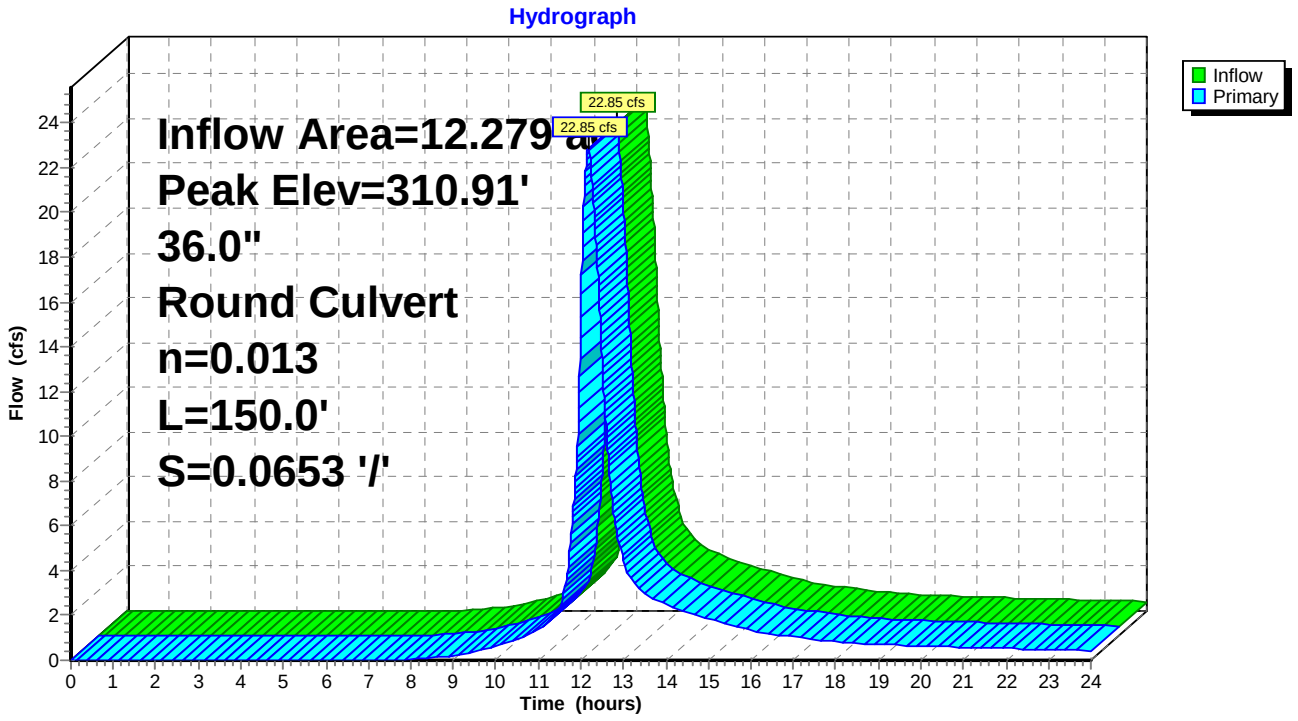
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af
Outflow = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af, Atten= 0%, Lag= 0.0 min
Primary = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.91' @ 12.17 hrs
Flood Elev= 313.50'

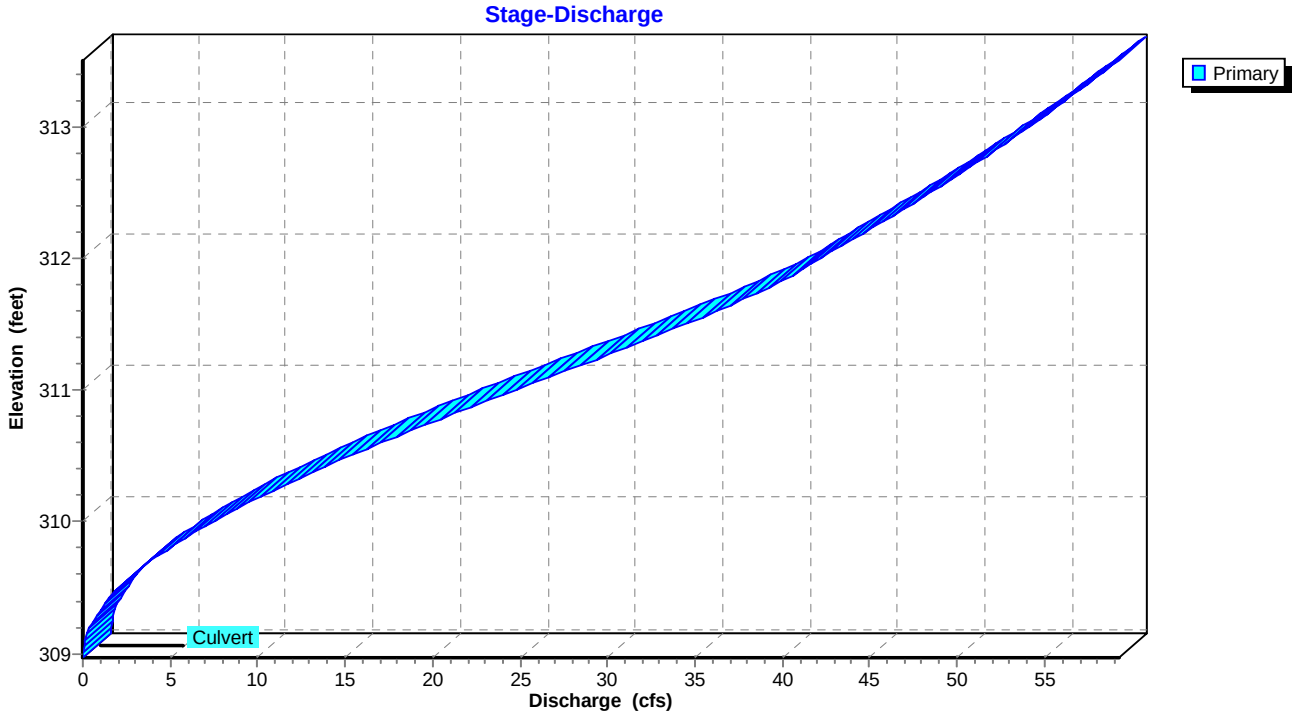
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=22.85 cfs @ 12.17 hrs HW=310.91' TW=299.86' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 22.85 cfs @ 4.74 fps)

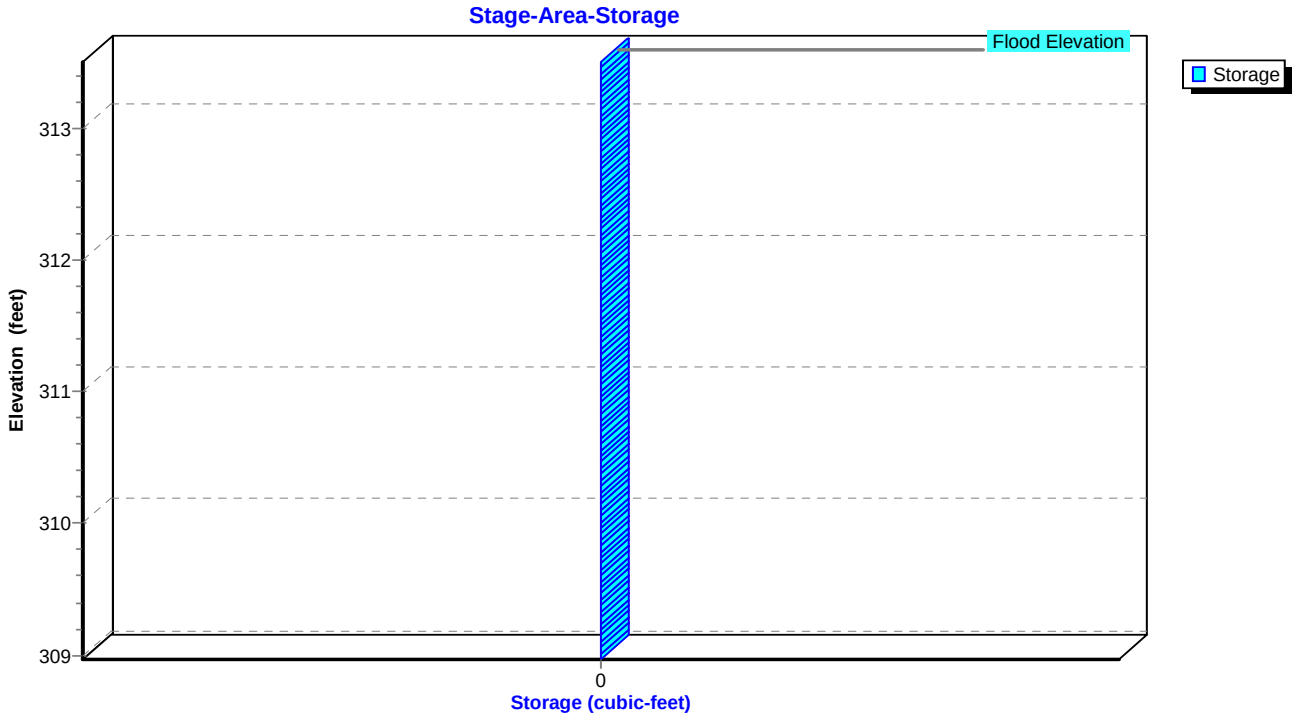
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.98	0.00
7.50	0.01	309.00	0.01
8.00	0.04	309.04	0.04
8.50	0.10	309.09	0.10
9.00	0.23	309.14	0.23
9.50	0.40	309.20	0.40
10.00	0.60	309.25	0.60
10.50	0.92	309.32	0.92
11.00	1.36	309.39	1.36
11.50	2.39	309.54	2.39
12.00	**15.33**	**310.50**	**15.33**
12.50	**13.45**	**310.40**	**13.45**
13.00	4.50	309.76	4.50
13.50	3.02	309.61	3.02
14.00	2.47	309.55	2.47
14.50	2.10	309.50	2.10
15.00	1.85	309.47	1.85
15.50	1.59	309.43	1.59
16.00	1.33	309.39	1.33
16.50	1.15	309.36	1.15
17.00	1.04	309.34	1.04
17.50	0.92	309.32	0.92
18.00	0.81	309.30	0.81
18.50	0.74	309.28	0.74
19.00	0.70	309.27	0.70
19.50	0.67	309.27	0.67
20.00	0.63	309.26	0.63
20.50	0.60	309.25	0.60
21.00	0.58	309.25	0.58
21.50	0.55	309.24	0.55
22.00	0.53	309.23	0.53
22.50	0.50	309.23	0.50
23.00	0.47	309.22	0.47
23.50	0.45	309.21	0.45
24.00	0.42	309.20	0.42

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

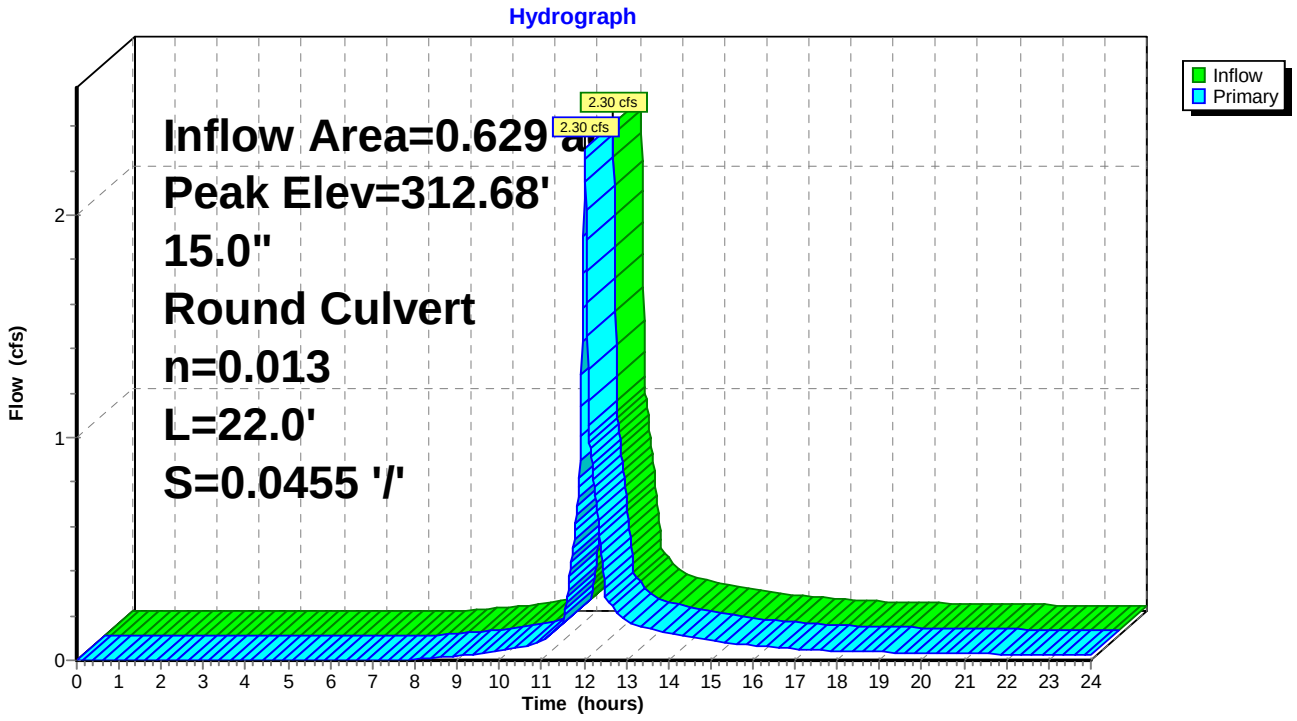
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 2.64" for 5-Year event
Inflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af
Outflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.68' @ 12.02 hrs
Flood Elev= 314.50'

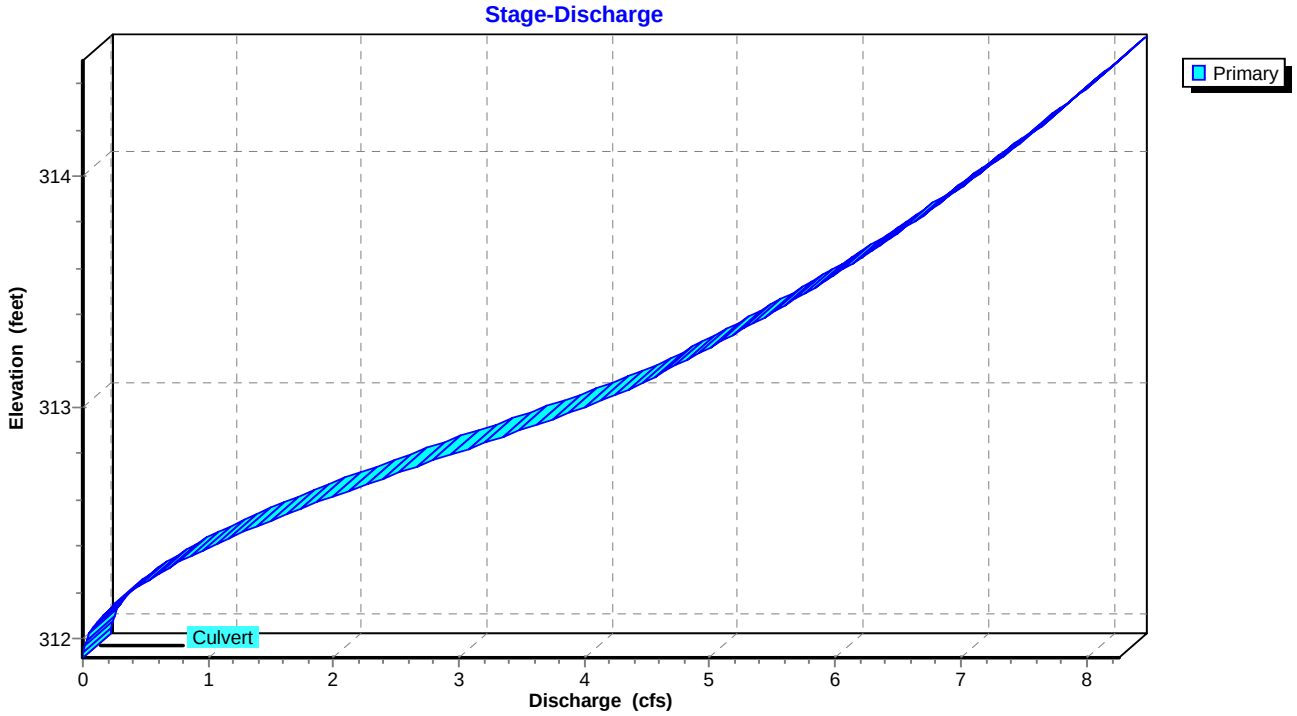
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.30 cfs @ 12.02 hrs HW=312.68' TW=310.61' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.96 fps)

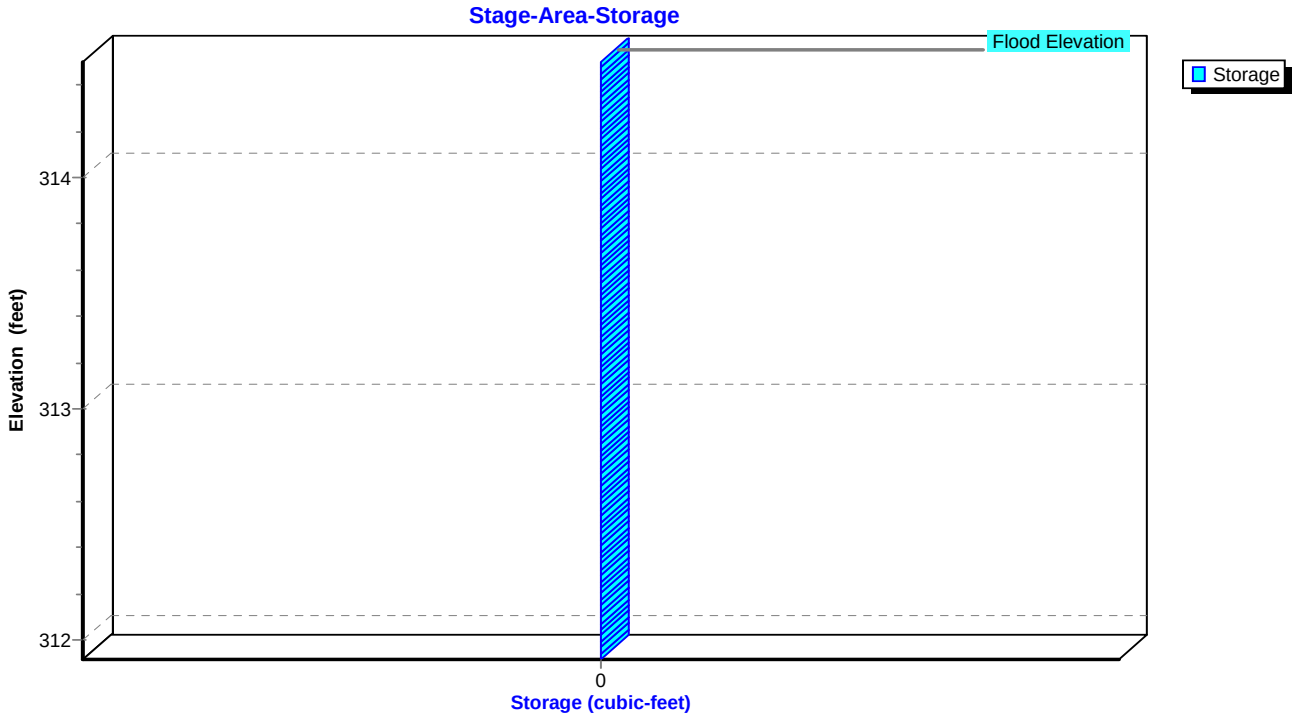
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.93	0.00
8.00	0.00	311.95	0.00
8.50	0.01	311.97	0.01
9.00	0.02	311.98	0.02
9.50	0.03	312.00	0.03
10.00	0.04	312.01	0.04
10.50	0.06	312.03	0.06
11.00	0.09	312.05	0.09
11.50	0.17	312.10	0.17
12.00	**2.07**	**312.63**	**2.07**
12.50	**0.31**	**312.18**	**0.31**
13.00	0.17	312.11	0.17
13.50	0.15	312.09	0.15
14.00	0.12	312.08	0.12
14.50	0.10	312.07	0.10
15.00	0.09	312.06	0.09
15.50	0.08	312.05	0.08
16.00	0.06	312.03	0.06
16.50	0.06	312.03	0.06
17.00	0.05	312.02	0.05
17.50	0.05	312.02	0.05
18.00	0.04	312.01	0.04
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.03	312.00	0.03
20.00	0.03	312.00	0.03
20.50	0.03	312.00	0.03
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	311.99	0.03
22.50	0.03	311.99	0.03
23.00	0.02	311.99	0.02
23.50	0.02	311.99	0.02
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

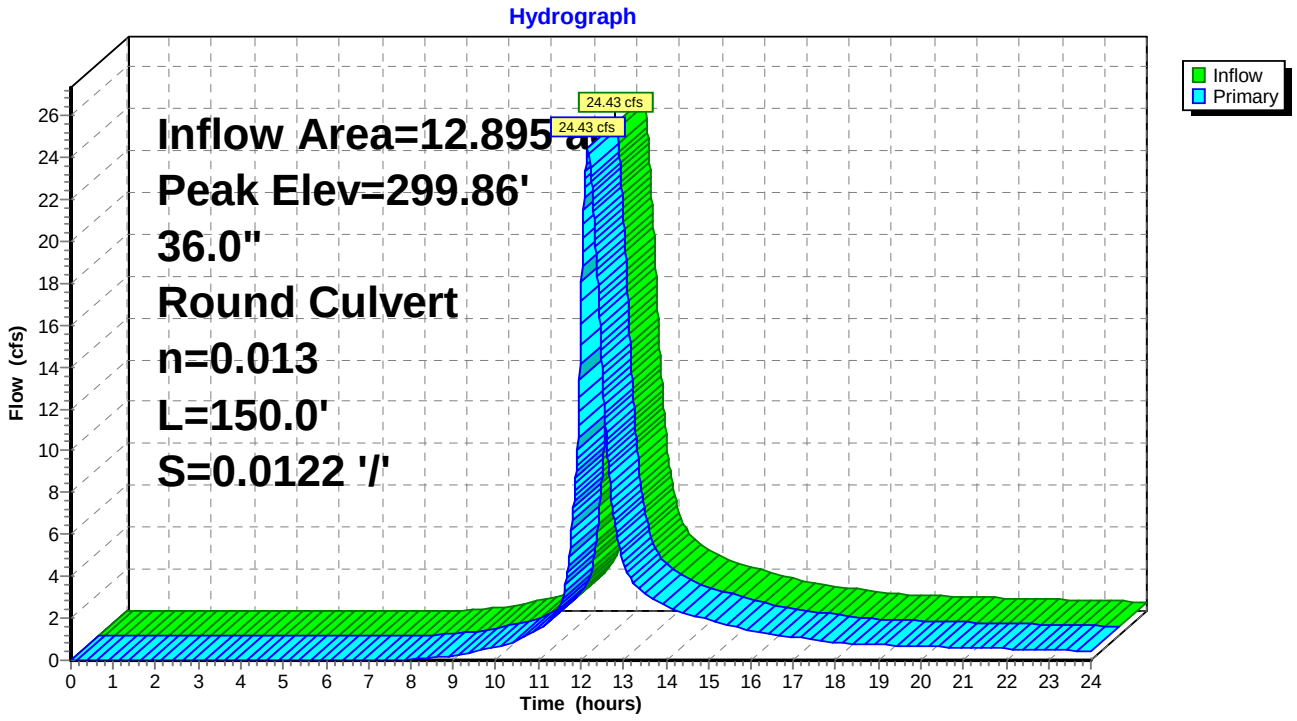
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af
Outflow = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af, Atten= 0%, Lag= 0.0 min
Primary = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.86' @ 12.16 hrs
Flood Elev= 303.50'

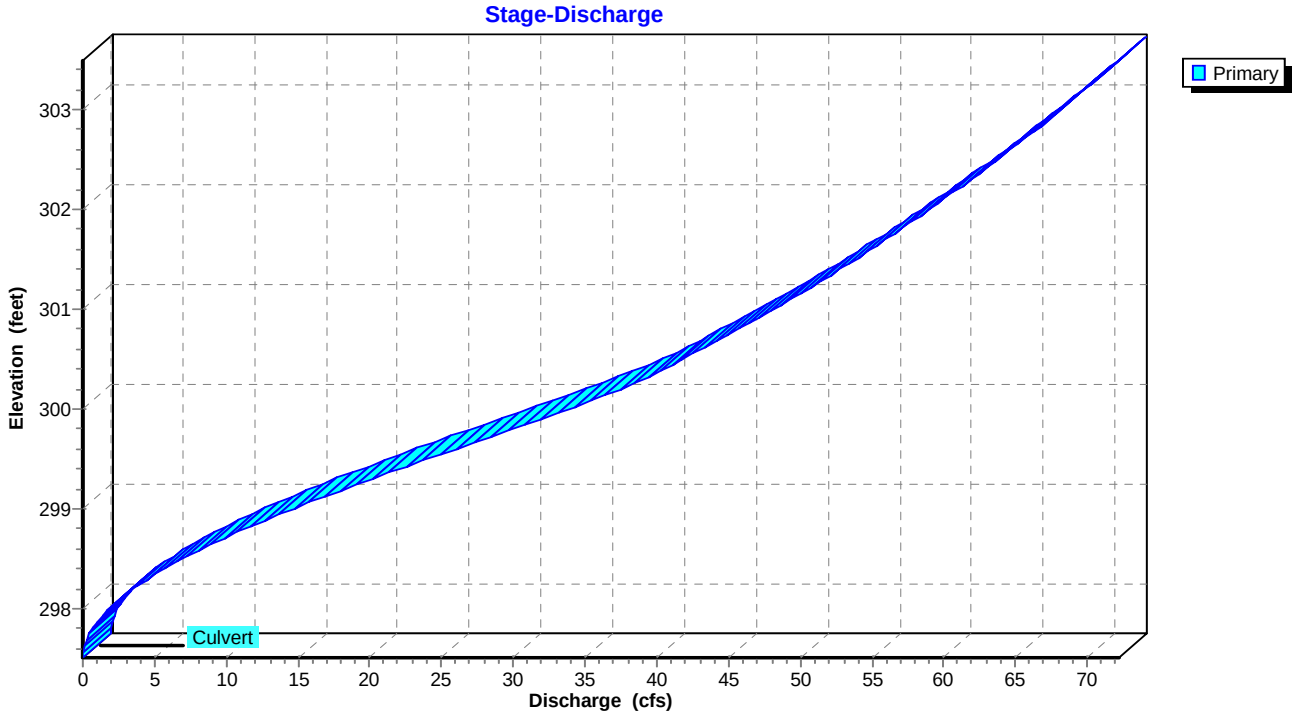
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=24.46 cfs @ 12.16 hrs HW=299.86' TW=298.64' (Dynamic Tailwater)
1=Culvert (Outlet Controls 24.46 cfs @ 5.64 fps)

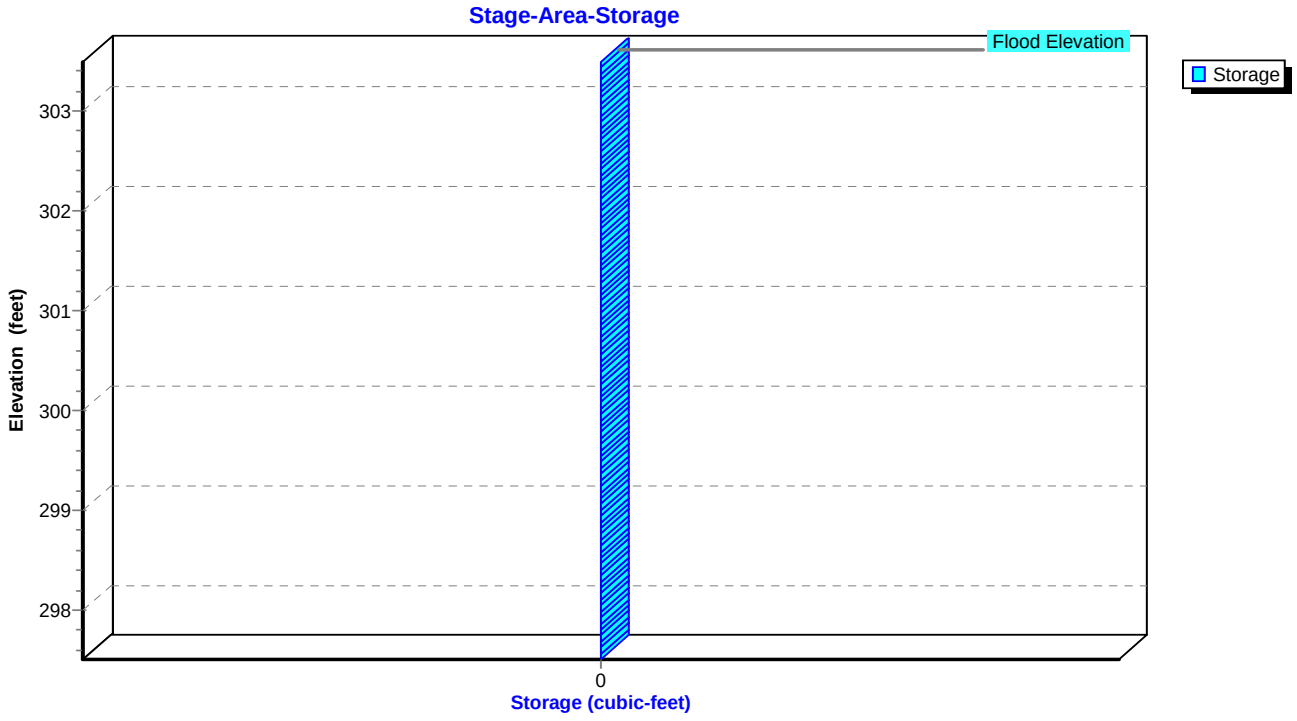
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.50	0.00
7.00	0.00	297.51	0.00
7.50	0.01	297.54	0.01
8.00	0.04	297.58	0.04
8.50	0.11	297.63	0.11
9.00	0.24	297.69	0.24
9.50	0.42	297.75	0.42
10.00	0.64	297.81	0.64
10.50	0.96	297.88	0.96
11.00	1.43	297.97	1.43
11.50	2.52	298.13	2.52
12.00	**16.09**	**299.27**	**16.09**
12.50	**14.01**	**299.15**	**14.01**
13.00	4.69	298.38	4.69
13.50	3.17	298.21	3.17
14.00	2.59	298.14	2.59
14.50	2.21	298.09	2.21
15.00	1.94	298.05	1.94
15.50	1.67	298.01	1.67
16.00	1.40	297.96	1.40
16.50	1.21	297.93	1.21
17.00	1.09	297.91	1.09
17.50	0.97	297.88	0.97
18.00	0.85	297.86	0.85
18.50	0.78	297.84	0.78
19.00	0.74	297.84	0.74
19.50	0.70	297.83	0.70
20.00	0.67	297.82	0.67
20.50	0.63	297.81	0.63
21.00	0.61	297.81	0.61
21.50	0.58	297.80	0.58
22.00	0.55	297.79	0.55
22.50	0.53	297.78	0.53
23.00	0.50	297.78	0.50
23.50	0.47	297.77	0.47
24.00	0.44	297.76	0.44

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

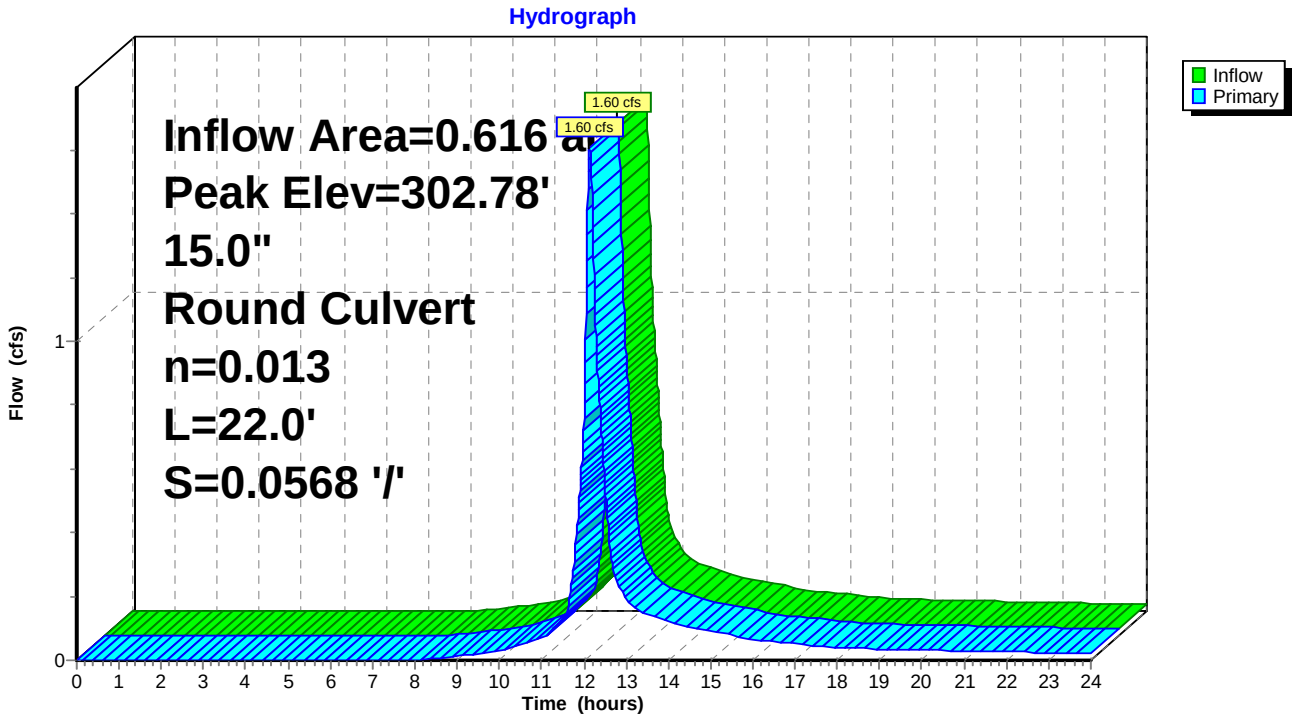
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af
Outflow = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af, Atten= 0%, Lag= 0.0 min
Primary = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.78' @ 12.14 hrs
Flood Elev= 304.80'

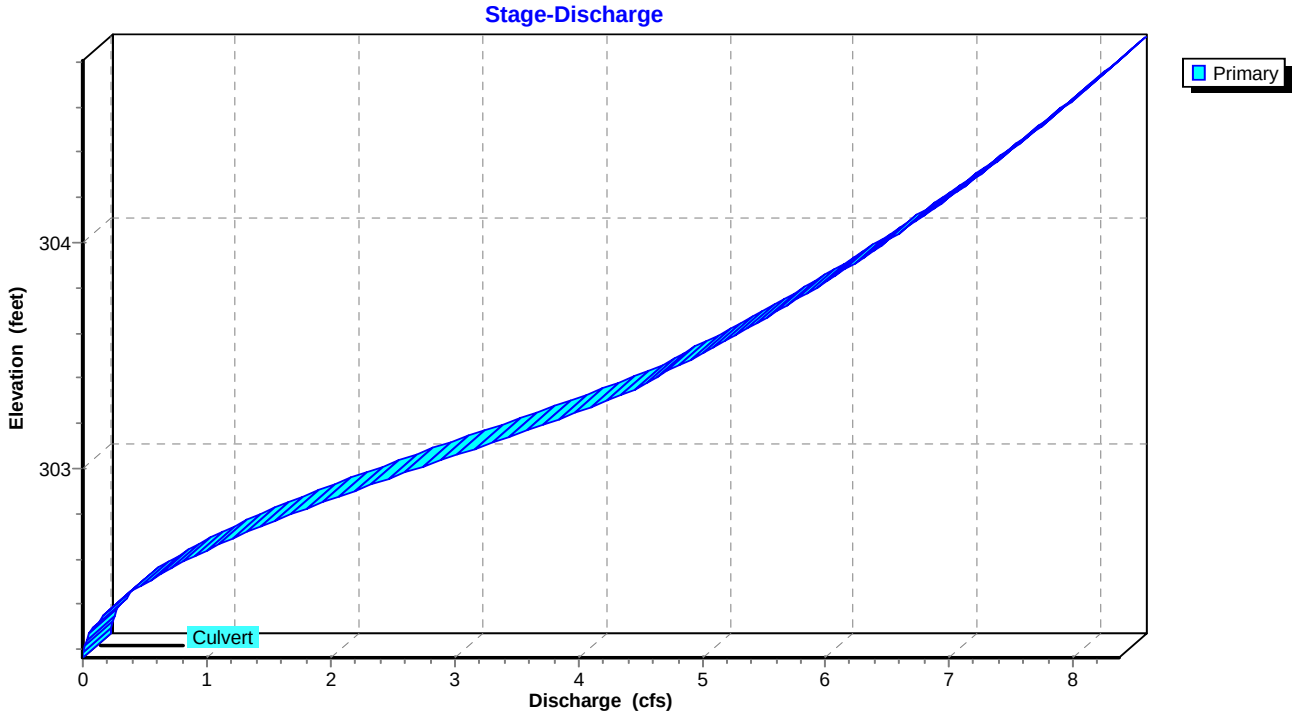
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.60 cfs @ 12.14 hrs HW=302.78' TW=299.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.60 cfs @ 2.67 fps)

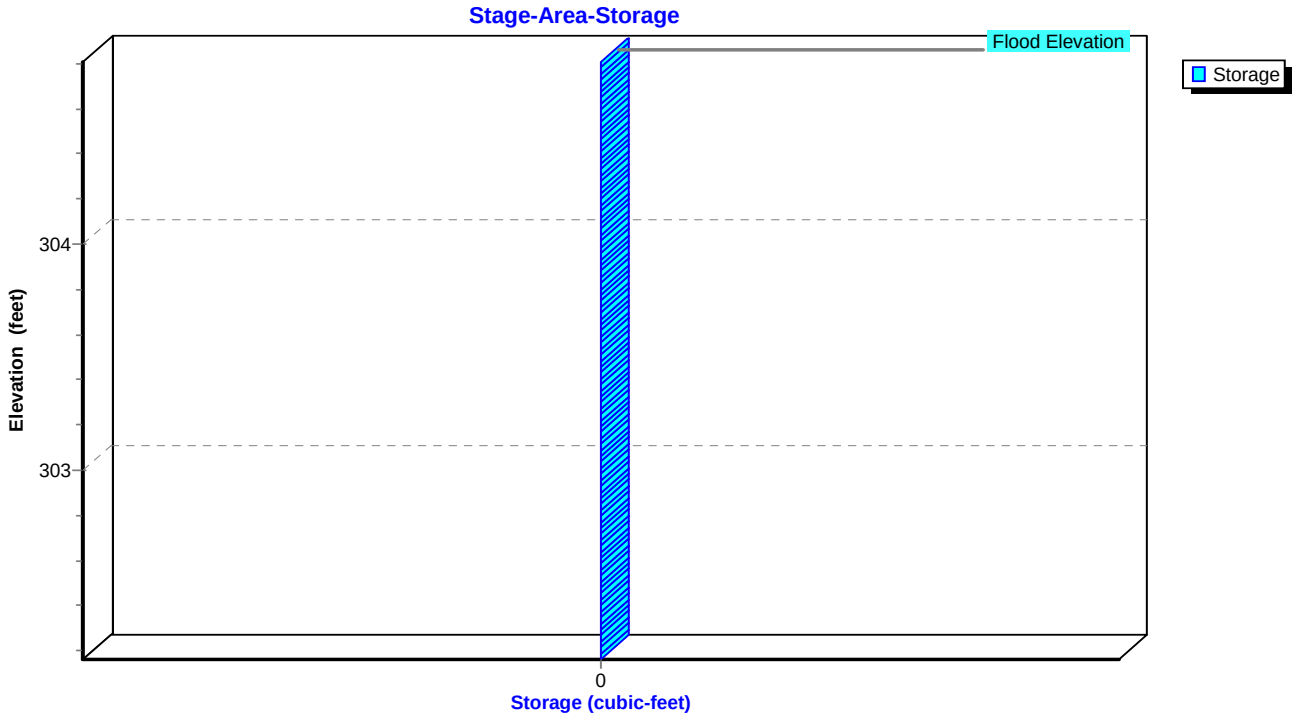
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.19	0.00
8.50	0.01	302.20	0.01
9.00	0.01	302.22	0.01
9.50	0.02	302.24	0.02
10.00	0.03	302.25	0.03
10.50	0.05	302.27	0.05
11.00	0.07	302.29	0.07
11.50	0.13	302.33	0.13
12.00	**0.76**	**302.58**	**0.76**
12.50	**0.56**	**302.52**	**0.56**
13.00	0.19	302.37	0.19
13.50	0.15	302.34	0.15
14.00	0.12	302.33	0.12
14.50	0.10	302.32	0.10
15.00	0.09	302.31	0.09
15.50	0.08	302.30	0.08
16.00	0.07	302.28	0.07
16.50	0.06	302.28	0.06
17.00	0.05	302.27	0.05
17.50	0.05	302.27	0.05
18.00	0.04	302.26	0.04
18.50	0.04	302.26	0.04
19.00	0.04	302.25	0.04
19.50	0.03	302.25	0.03
20.00	0.03	302.25	0.03
20.50	0.03	302.25	0.03
21.00	0.03	302.25	0.03
21.50	0.03	302.24	0.03
22.00	0.03	302.24	0.03
22.50	0.02	302.24	0.02
23.00	0.02	302.24	0.02
23.50	0.02	302.24	0.02
24.00	0.02	302.23	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

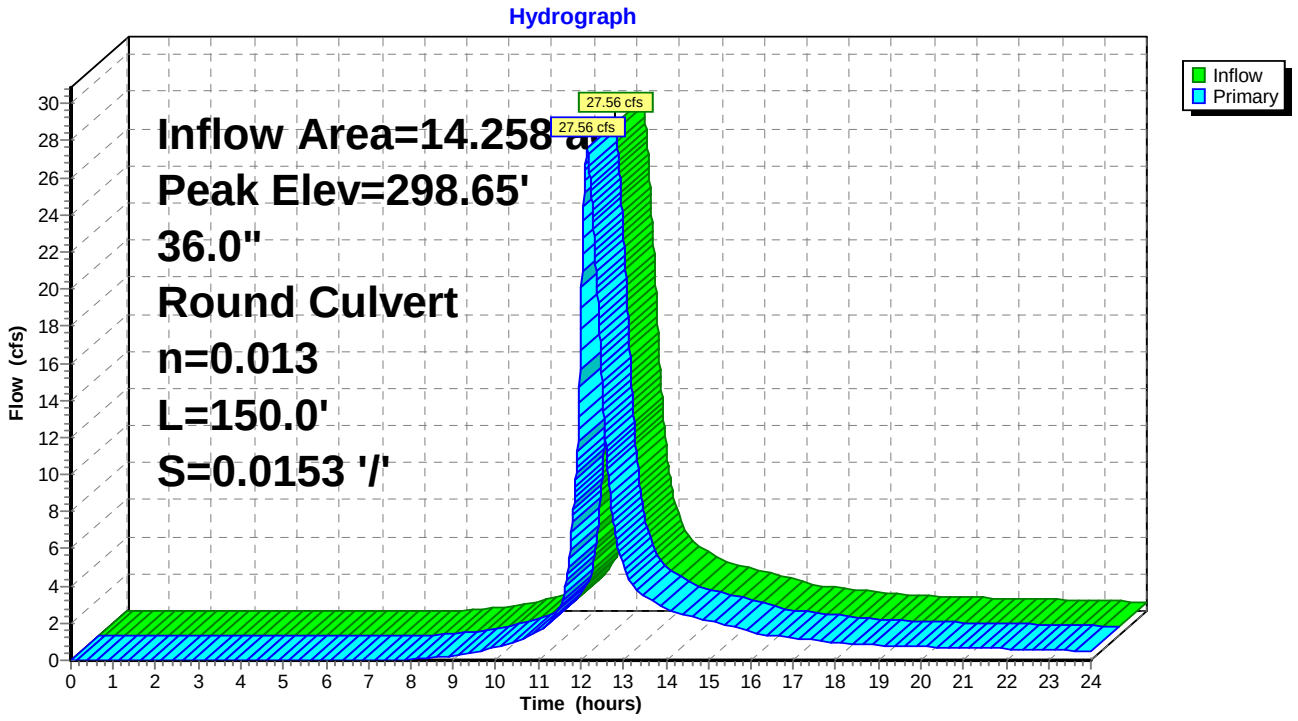
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 2.51" for 5-Year event
Inflow = 27.56 cfs @ 12.15 hrs, Volume= 2.985 af
Outflow = 27.56 cfs @ 12.15 hrs, Volume= 2.985 af, Atten= 0%, Lag= 0.0 min
Primary = 27.56 cfs @ 12.15 hrs, Volume= 2.985 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.65' @ 12.15 hrs
Flood Elev= 301.00'

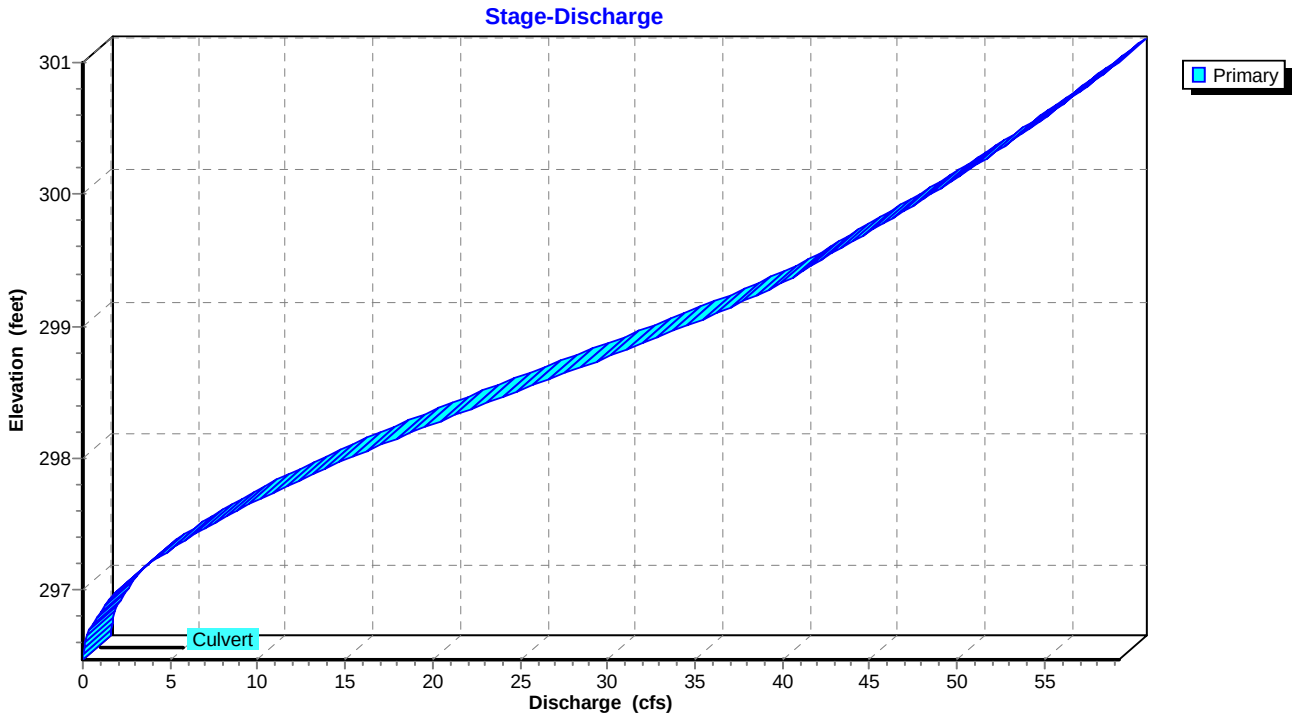
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=27.56 cfs @ 12.15 hrs HW=298.64' TW=295.94' (Dynamic Tailwater)
1=Culvert (Inlet Controls 27.56 cfs @ 5.02 fps)

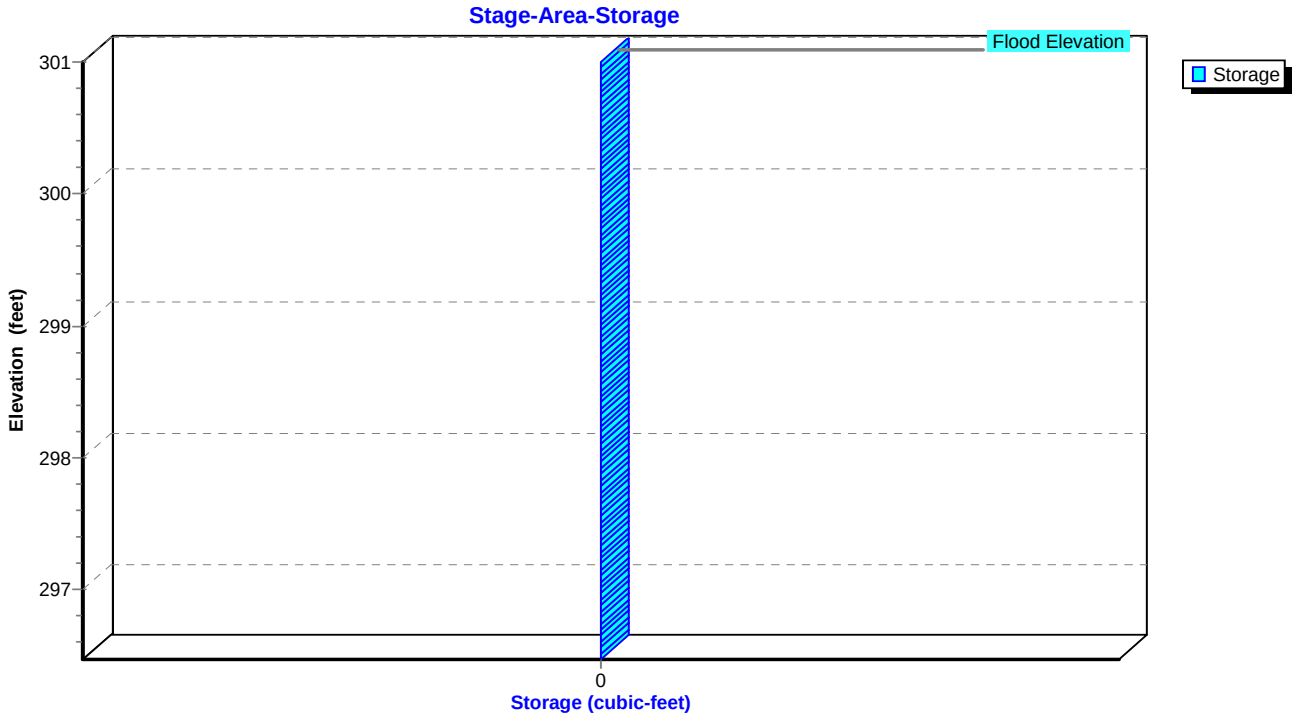
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.47	0.00
7.00	0.00	296.48	0.00
7.50	0.01	296.50	0.01
8.00	0.04	296.54	0.04
8.50	0.11	296.59	0.11
9.00	0.25	296.65	0.25
9.50	0.44	296.71	0.44
10.00	0.68	296.77	0.68
10.50	1.04	296.84	1.04
11.00	1.55	296.93	1.55
11.50	2.77	297.08	2.77
12.00	**17.80**	**298.14**	**17.80**
12.50	**15.02**	**297.99**	**15.02**
13.00	5.08	297.31	5.08
13.50	3.47	297.16	3.47
14.00	2.83	297.09	2.83
14.50	2.42	297.04	2.42
15.00	2.13	297.01	2.13
15.50	1.83	296.97	1.83
16.00	1.53	296.92	1.53
16.50	1.33	296.89	1.33
17.00	1.20	296.87	1.20
17.50	1.06	296.85	1.06
18.00	0.93	296.82	0.93
18.50	0.85	296.81	0.85
19.00	0.81	296.80	0.81
19.50	0.77	296.79	0.77
20.00	0.73	296.78	0.73
20.50	0.70	296.77	0.70
21.00	0.67	296.77	0.67
21.50	0.64	296.76	0.64
22.00	0.61	296.75	0.61
22.50	0.58	296.74	0.58
23.00	0.55	296.74	0.55
23.50	0.52	296.73	0.52
24.00	0.49	296.72	0.49

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

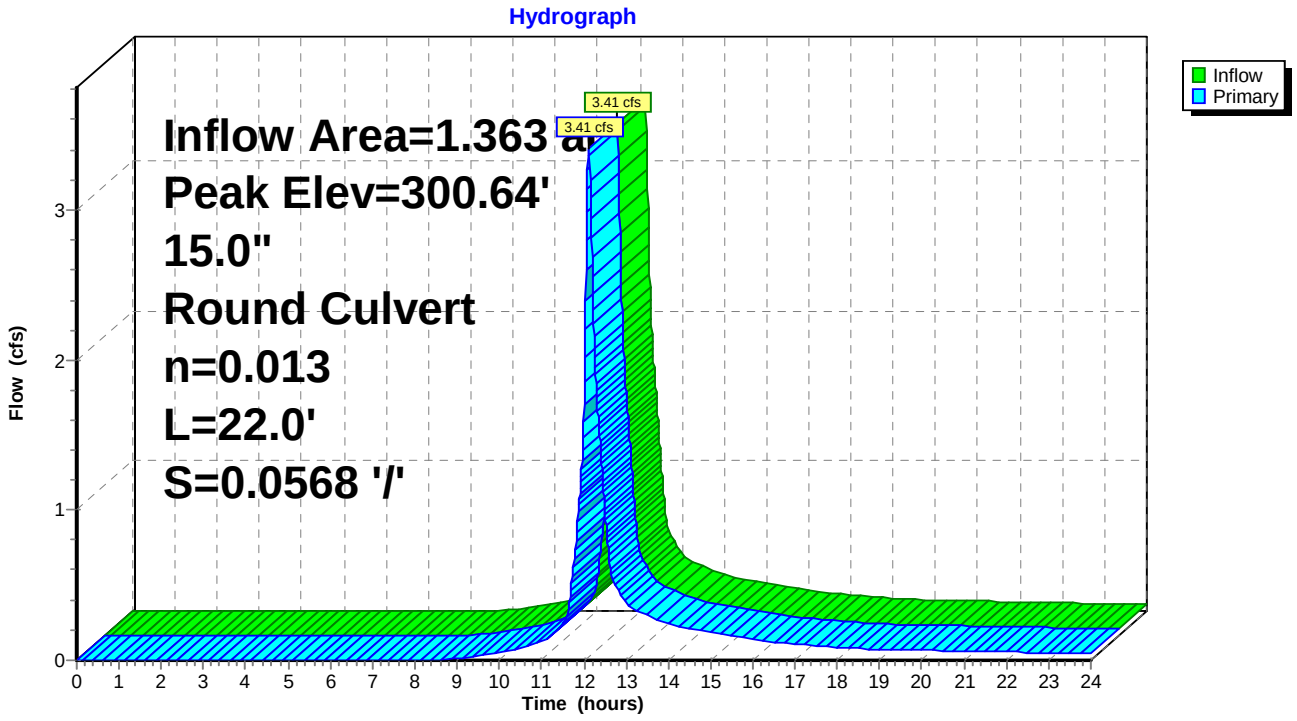
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 2.29" for 5-Year event
Inflow = 3.41 cfs @ 12.12 hrs, Volume= 0.260 af
Outflow = 3.41 cfs @ 12.12 hrs, Volume= 0.260 af, Atten= 0%, Lag= 0.0 min
Primary = 3.41 cfs @ 12.12 hrs, Volume= 0.260 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.64' @ 12.12 hrs
Flood Elev= 302.30'

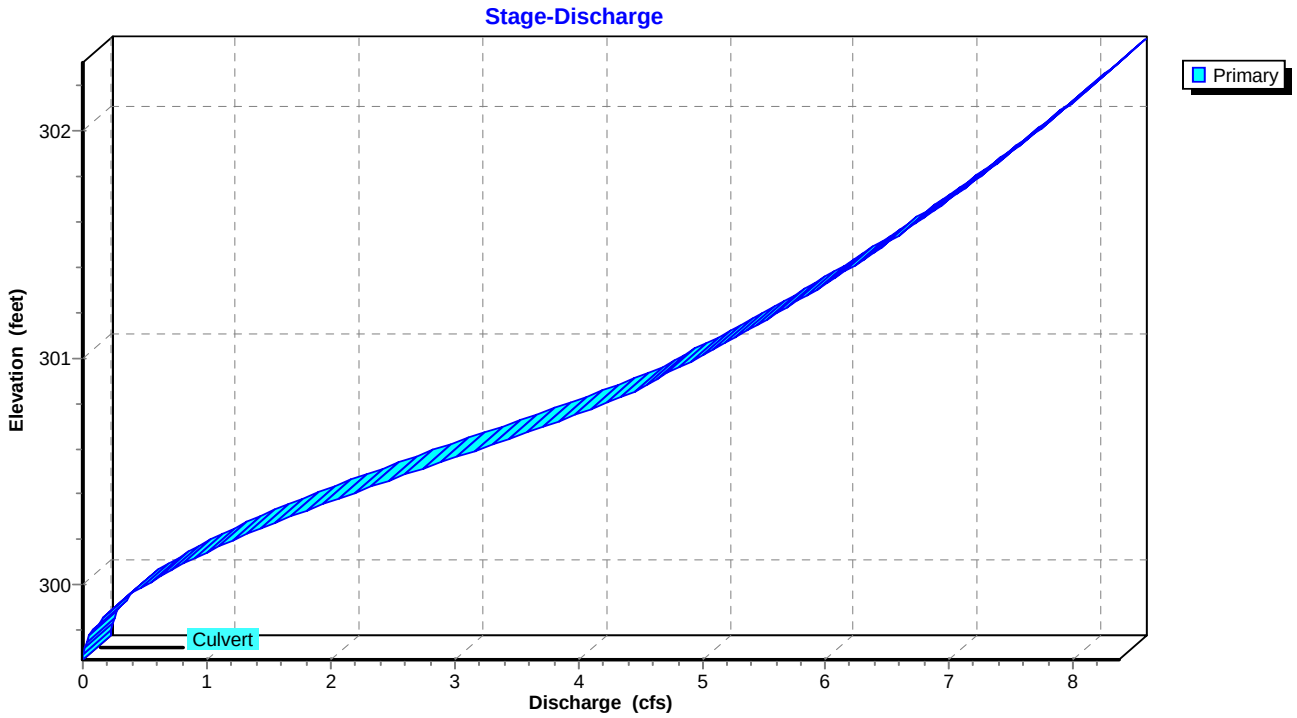
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.41 cfs @ 12.12 hrs HW=300.64' TW=298.61' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.41 cfs @ 3.35 fps)

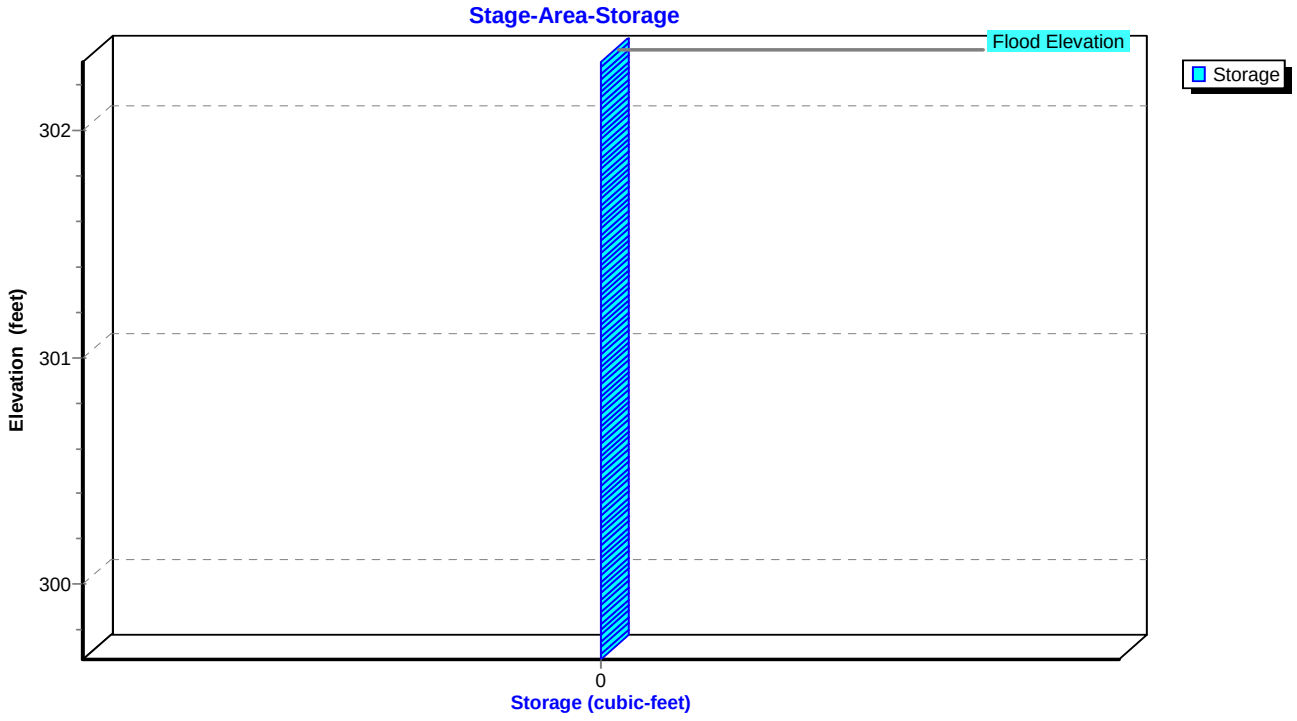
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.00	299.68	0.00
9.00	0.01	299.72	0.01
9.50	0.03	299.74	0.03
10.00	0.05	299.77	0.05
10.50	0.08	299.80	0.08
11.00	0.12	299.83	0.12
11.50	0.24	299.89	0.24
12.00	**1.71**	**300.31**	**1.71**
12.50	**1.01**	**300.15**	**1.01**
13.00	0.39	299.96	0.39
13.50	0.30	299.92	0.30
14.00	0.25	299.90	0.25
14.50	0.22	299.88	0.22
15.00	0.19	299.87	0.19
15.50	0.16	299.85	0.16
16.00	0.13	299.84	0.13
16.50	0.12	299.83	0.12
17.00	0.11	299.82	0.11
17.50	0.10	299.81	0.10
18.00	0.08	299.80	0.08
18.50	0.08	299.80	0.08
19.00	0.07	299.79	0.07
19.50	0.07	299.79	0.07
20.00	0.07	299.79	0.07
20.50	0.06	299.78	0.06
21.00	0.06	299.78	0.06
21.50	0.06	299.78	0.06
22.00	0.06	299.78	0.06
22.50	0.05	299.77	0.05
23.00	0.05	299.77	0.05
23.50	0.05	299.77	0.05
24.00	0.04	299.76	0.04

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

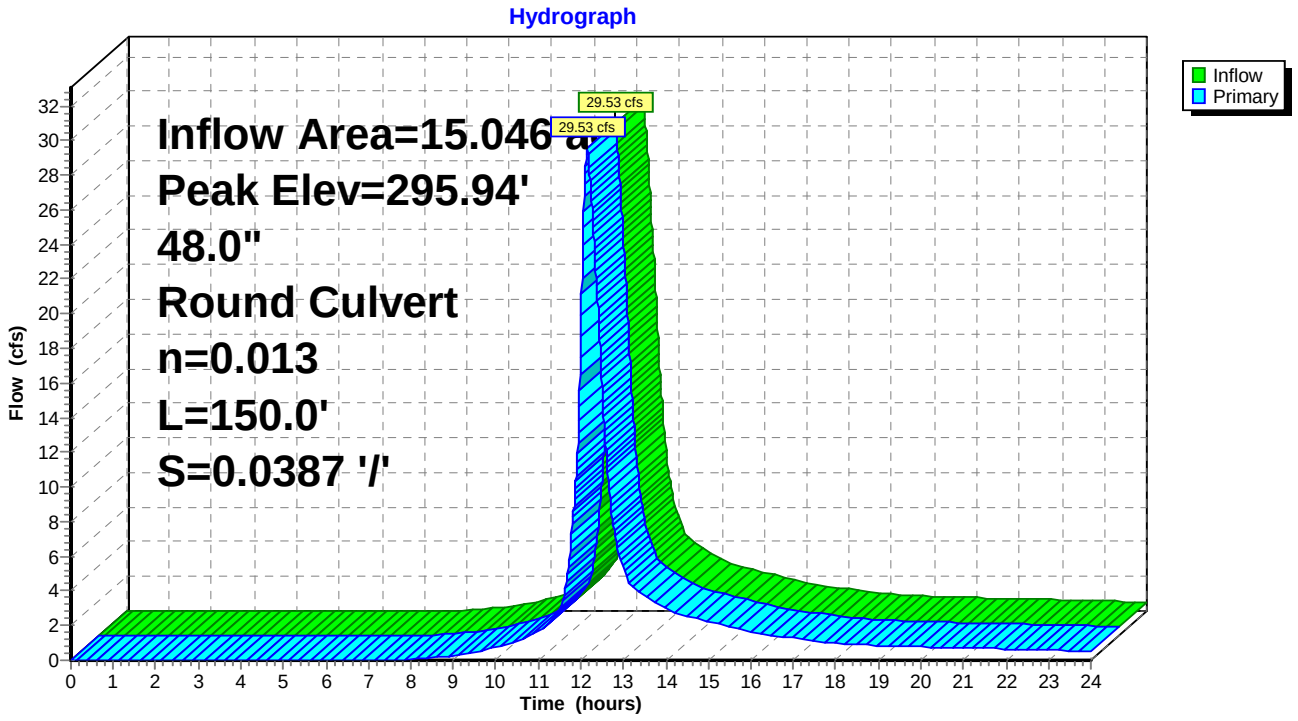
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 2.51" for 5-Year event
Inflow = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af
Outflow = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af, Atten= 0%, Lag= 0.0 min
Primary = 29.53 cfs @ 12.15 hrs, Volume= 3.152 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.94' @ 12.15 hrs
Flood Elev= 298.50'

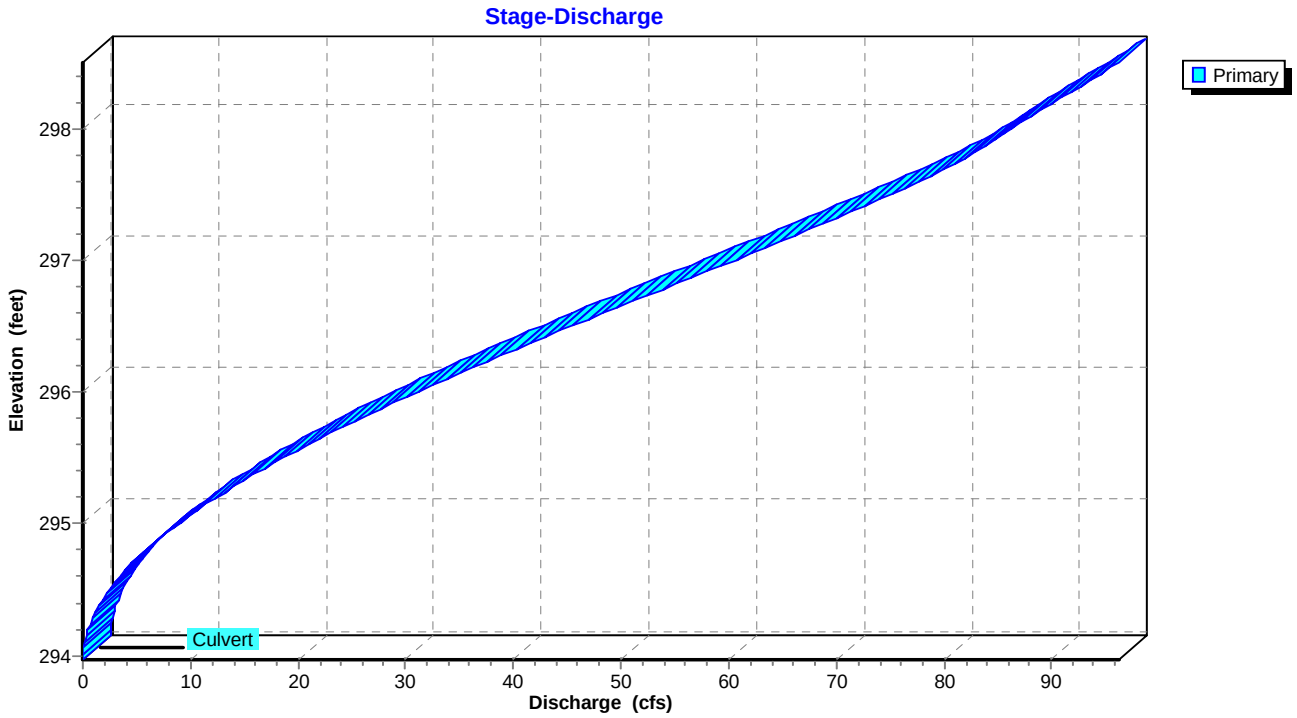
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=29.52 cfs @ 12.15 hrs HW=295.94' TW=288.89' (Dynamic Tailwater)
1=Culvert (Inlet Controls 29.52 cfs @ 4.78 fps)

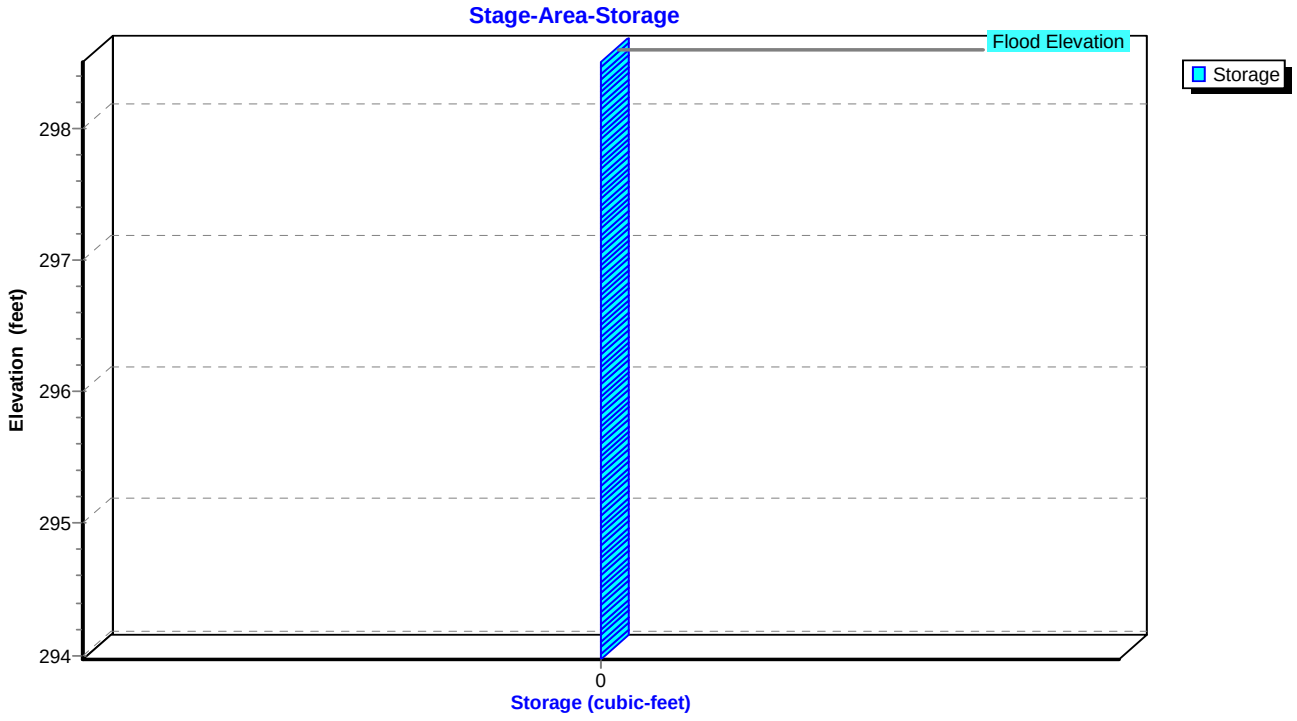
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.00	293.98	0.00
7.50	0.01	294.00	0.01
8.00	0.04	294.04	0.04
8.50	0.12	294.08	0.12
9.00	0.27	294.14	0.27
9.50	0.47	294.20	0.47
10.00	0.72	294.26	0.72
10.50	1.11	294.32	1.11
11.00	1.64	294.40	1.64
11.50	2.93	294.55	2.93
12.00	**18.70**	**295.50**	**18.70**
12.50	**15.78**	**295.37**	**15.78**
13.00	5.33	294.76	5.33
13.50	3.66	294.62	3.66
14.00	2.99	294.56	2.99
14.50	2.55	294.51	2.55
15.00	2.25	294.48	2.25
15.50	1.93	294.44	1.93
16.00	1.61	294.40	1.61
16.50	1.40	294.37	1.40
17.00	1.26	294.35	1.26
17.50	1.12	294.33	1.12
18.00	0.98	294.30	0.98
18.50	0.90	294.29	0.90
19.00	0.86	294.28	0.86
19.50	0.81	294.27	0.81
20.00	0.77	294.27	0.77
20.50	0.74	294.26	0.74
21.00	0.71	294.25	0.71
21.50	0.67	294.25	0.67
22.00	0.64	294.24	0.64
22.50	0.61	294.23	0.61
23.00	0.58	294.22	0.58
23.50	0.54	294.22	0.54
24.00	0.51	294.21	0.51

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

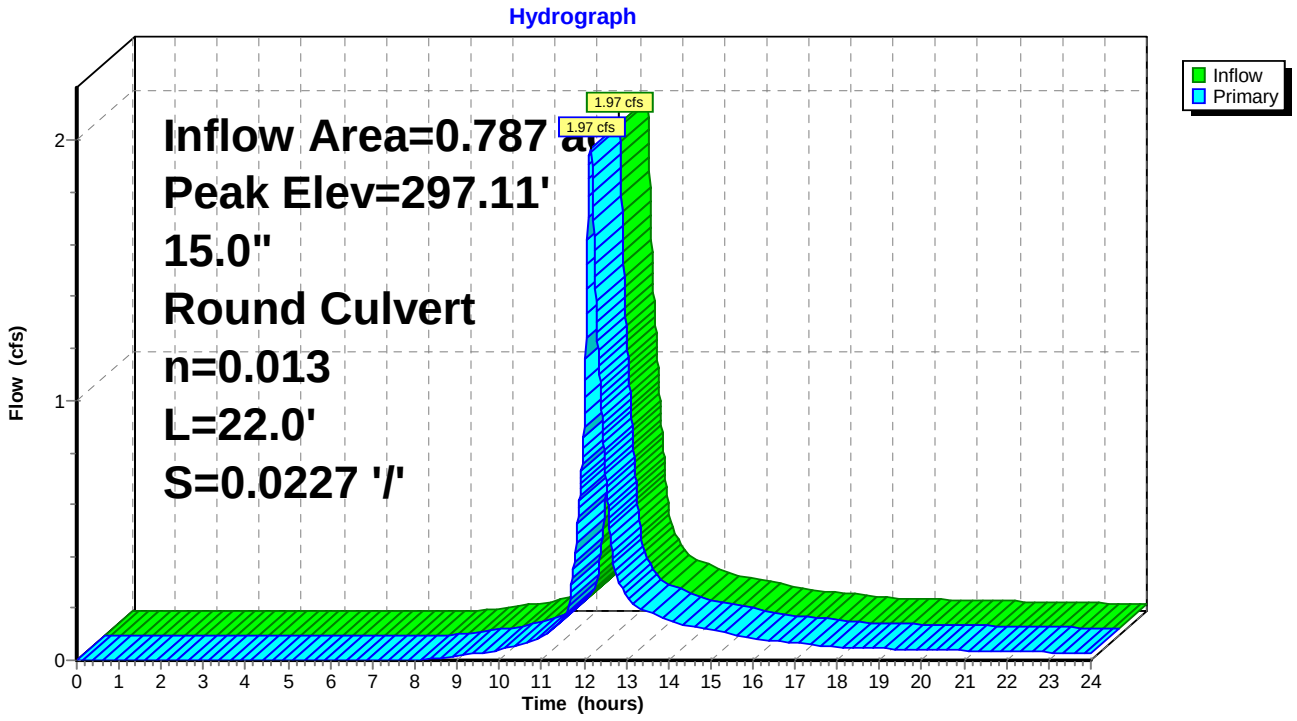
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 1.97 cfs @ 12.16 hrs, Volume= 0.167 af
Outflow = 1.97 cfs @ 12.16 hrs, Volume= 0.167 af, Atten= 0%, Lag= 0.0 min
Primary = 1.97 cfs @ 12.16 hrs, Volume= 0.167 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.11' @ 12.16 hrs
Flood Elev= 299.00'

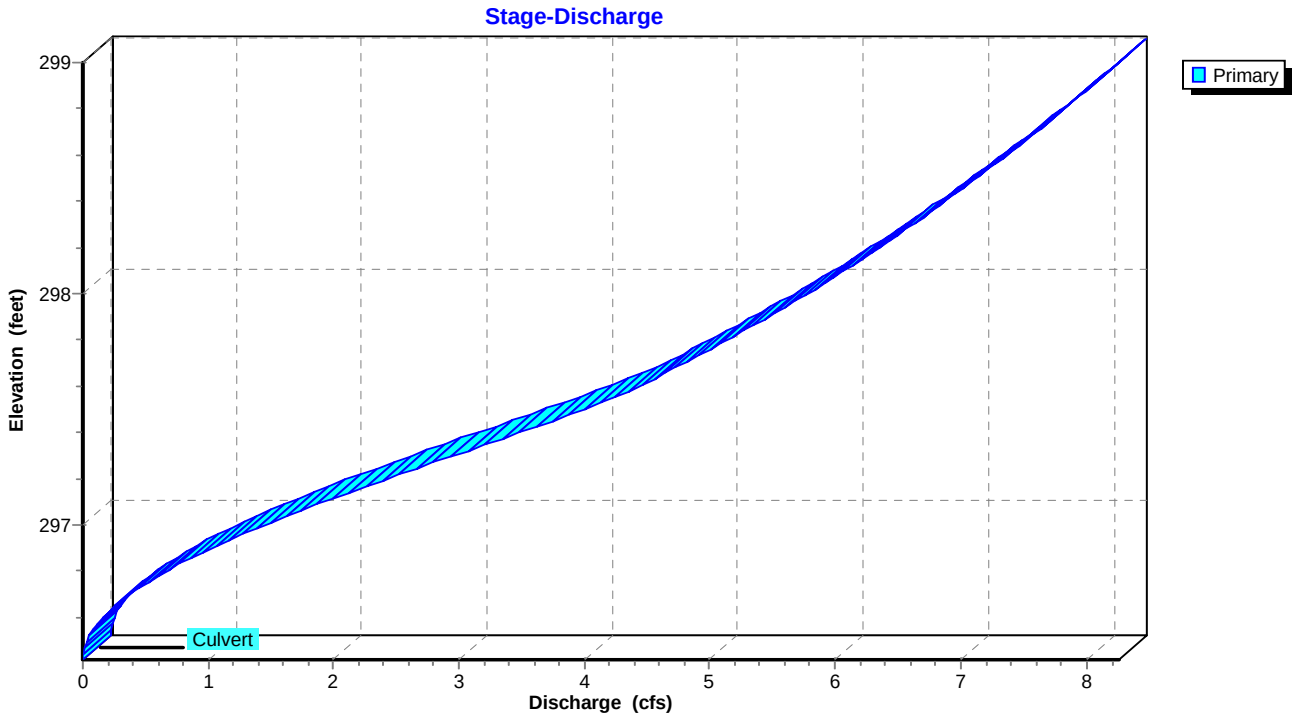
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.97 cfs @ 12.16 hrs HW=297.11' TW=295.94' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.97 cfs @ 2.83 fps)

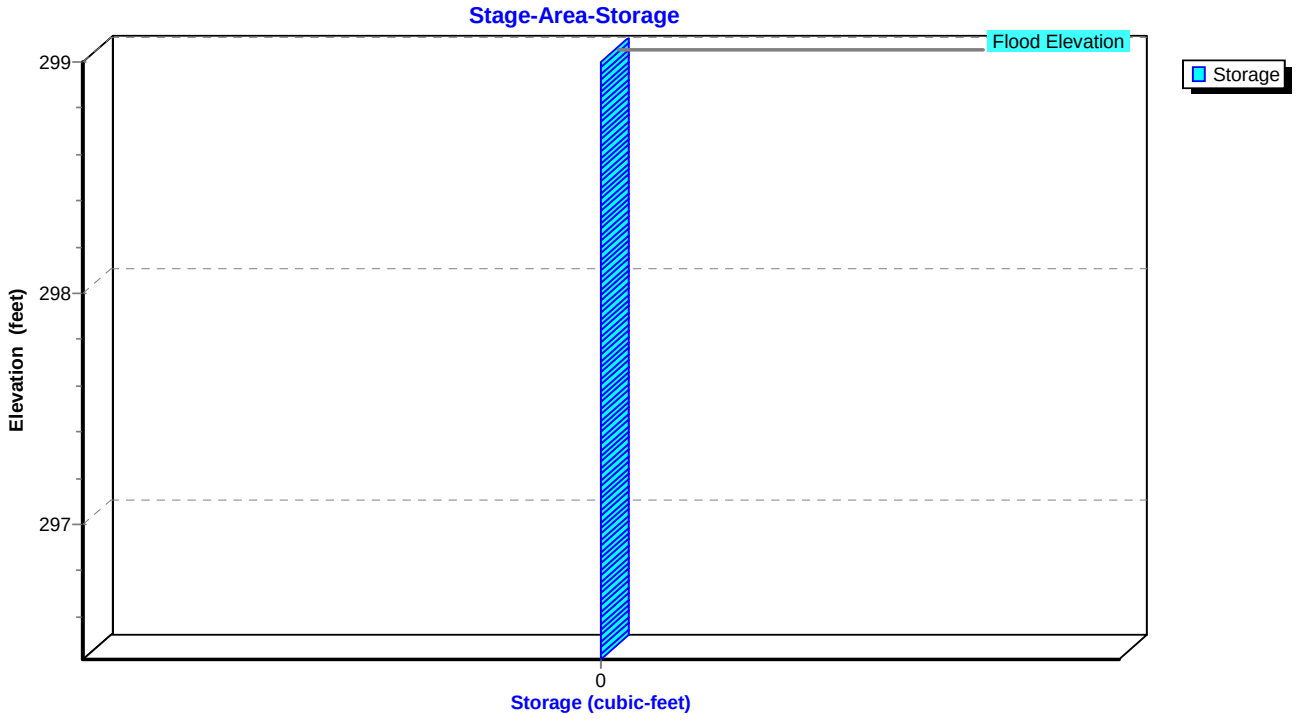
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.42	0.00
8.00	0.00	296.44	0.00
8.50	0.01	296.46	0.01
9.00	0.02	296.48	0.02
9.50	0.03	296.49	0.03
10.00	0.04	296.51	0.04
10.50	0.06	296.53	0.06
11.00	0.09	296.56	0.09
11.50	0.16	296.60	0.16
12.00	**0.90**	**296.87**	**0.90**
12.50	**0.76**	**296.83**	**0.76**
13.00	0.25	296.65	0.25
13.50	0.19	296.62	0.19
14.00	0.16	296.60	0.16
14.50	0.13	296.59	0.13
15.00	0.12	296.57	0.12
15.50	0.10	296.56	0.10
16.00	0.08	296.55	0.08
16.50	0.07	296.54	0.07
17.00	0.07	296.54	0.07
17.50	0.06	296.53	0.06
18.00	0.05	296.52	0.05
18.50	0.05	296.52	0.05
19.00	0.04	296.52	0.04
19.50	0.04	296.51	0.04
20.00	0.04	296.51	0.04
20.50	0.04	296.51	0.04
21.00	0.04	296.51	0.04
21.50	0.04	296.50	0.04
22.00	0.03	296.50	0.03
22.50	0.03	296.50	0.03
23.00	0.03	296.50	0.03
23.50	0.03	296.50	0.03
24.00	0.03	296.49	0.03

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

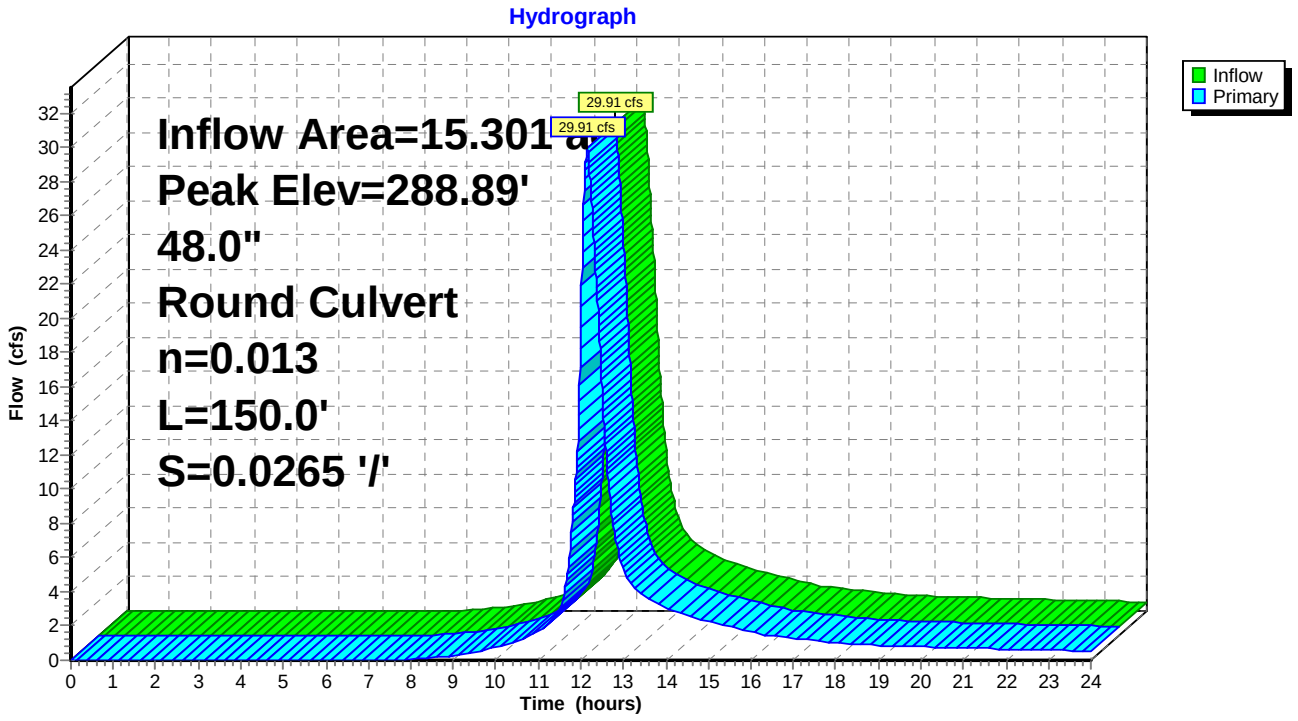
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 2.51" for 5-Year event
Inflow = 29.91 cfs @ 12.15 hrs, Volume= 3.205 af
Outflow = 29.91 cfs @ 12.15 hrs, Volume= 3.205 af, Atten= 0%, Lag= 0.0 min
Primary = 29.91 cfs @ 12.15 hrs, Volume= 3.205 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 288.89' @ 12.15 hrs
Flood Elev= 292.50'

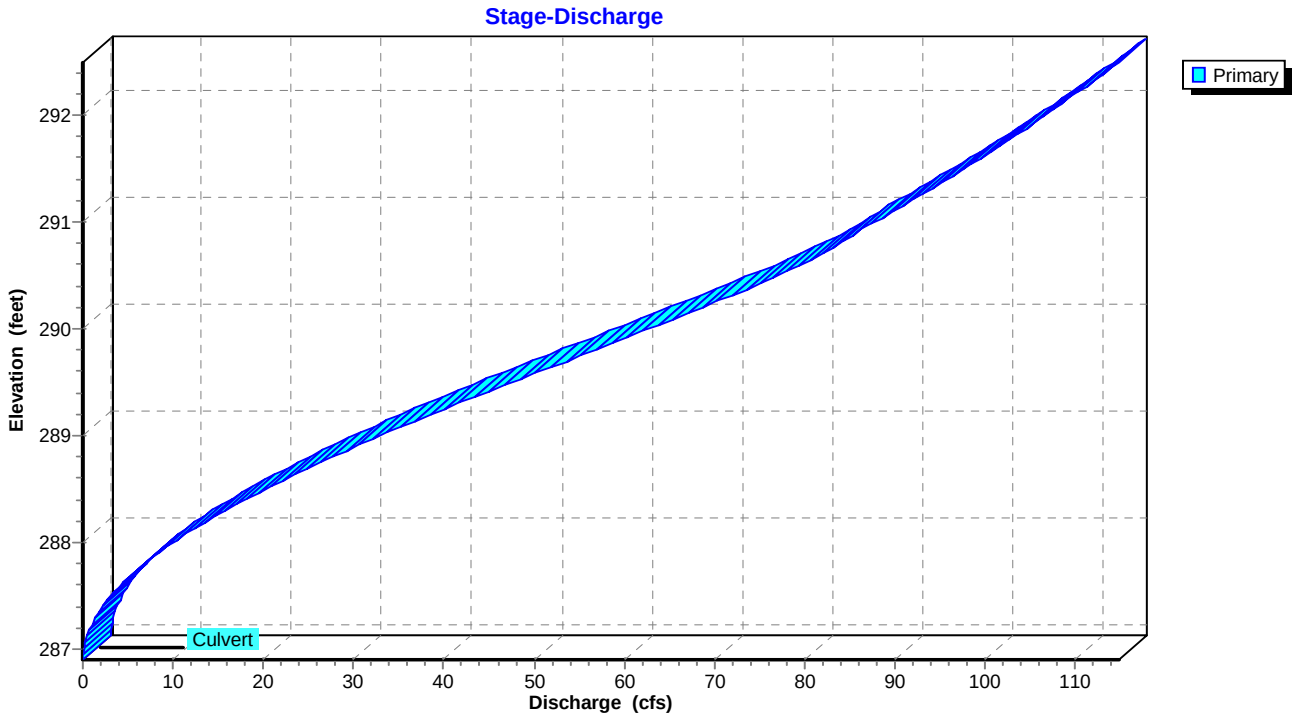
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=29.91 cfs @ 12.15 hrs HW=288.89' TW=285.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 29.91 cfs @ 4.80 fps)

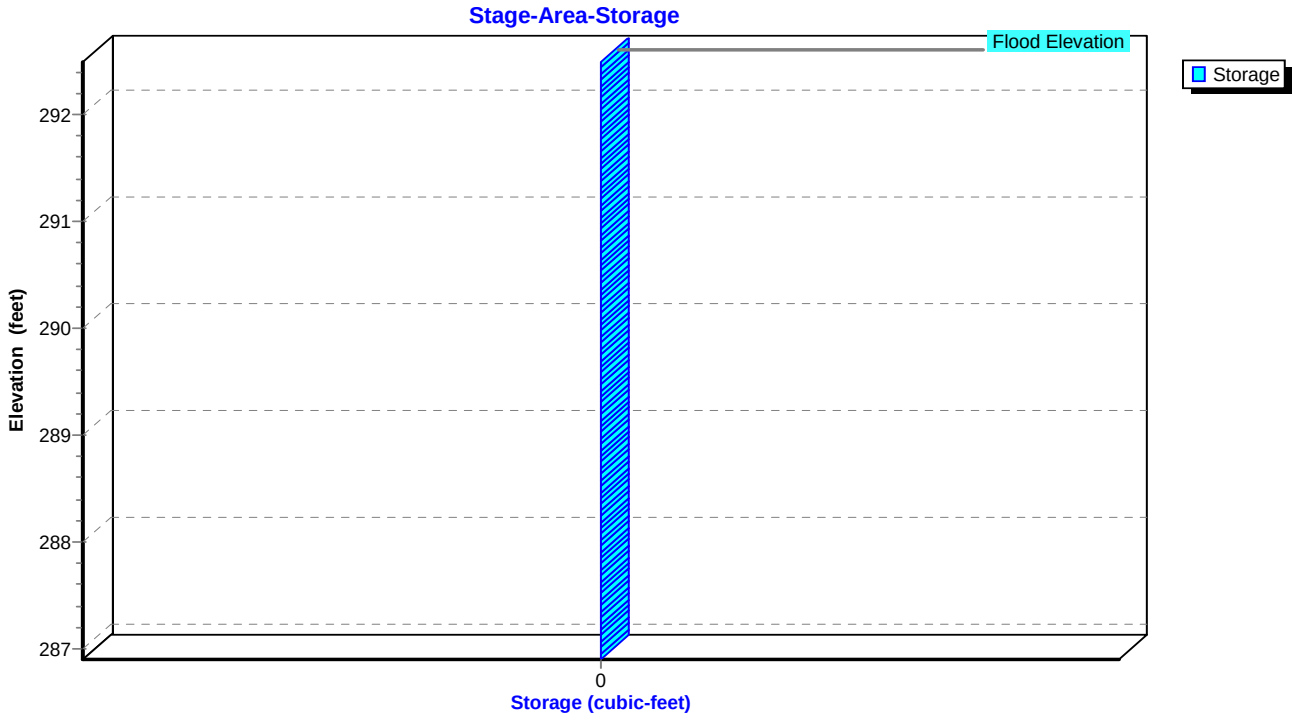
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.90	0.00
5.50	0.00	286.90	0.00
6.00	0.00	286.90	0.00
6.50	0.00	286.90	0.00
7.00	0.00	286.91	0.00
7.50	0.01	286.93	0.01
8.00	0.04	286.97	0.04
8.50	0.12	287.02	0.12
9.00	0.27	287.07	0.27
9.50	0.48	287.13	0.48
10.00	0.74	287.19	0.74
10.50	1.13	287.26	1.13
11.00	1.67	287.34	1.67
11.50	2.99	287.49	2.99
12.00	**19.42**	**288.47**	**19.42**
12.50	**15.91**	**288.31**	**15.91**
13.00	5.40	287.70	5.40
13.50	3.71	287.56	3.71
14.00	3.04	287.49	3.04
14.50	2.60	287.45	2.60
15.00	2.28	287.41	2.28
15.50	1.96	287.37	1.96
16.00	1.64	287.33	1.64
16.50	1.43	287.30	1.43
17.00	1.28	287.28	1.28
17.50	1.14	287.26	1.14
18.00	1.00	287.24	1.00
18.50	0.92	287.22	0.92
19.00	0.87	287.21	0.87
19.50	0.83	287.21	0.83
20.00	0.79	287.20	0.79
20.50	0.75	287.19	0.75
21.00	0.72	287.18	0.72
21.50	0.68	287.18	0.68
22.00	0.65	287.17	0.65
22.50	0.62	287.16	0.62
23.00	0.59	287.16	0.59
23.50	0.55	287.15	0.55
24.00	0.52	287.14	0.52

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

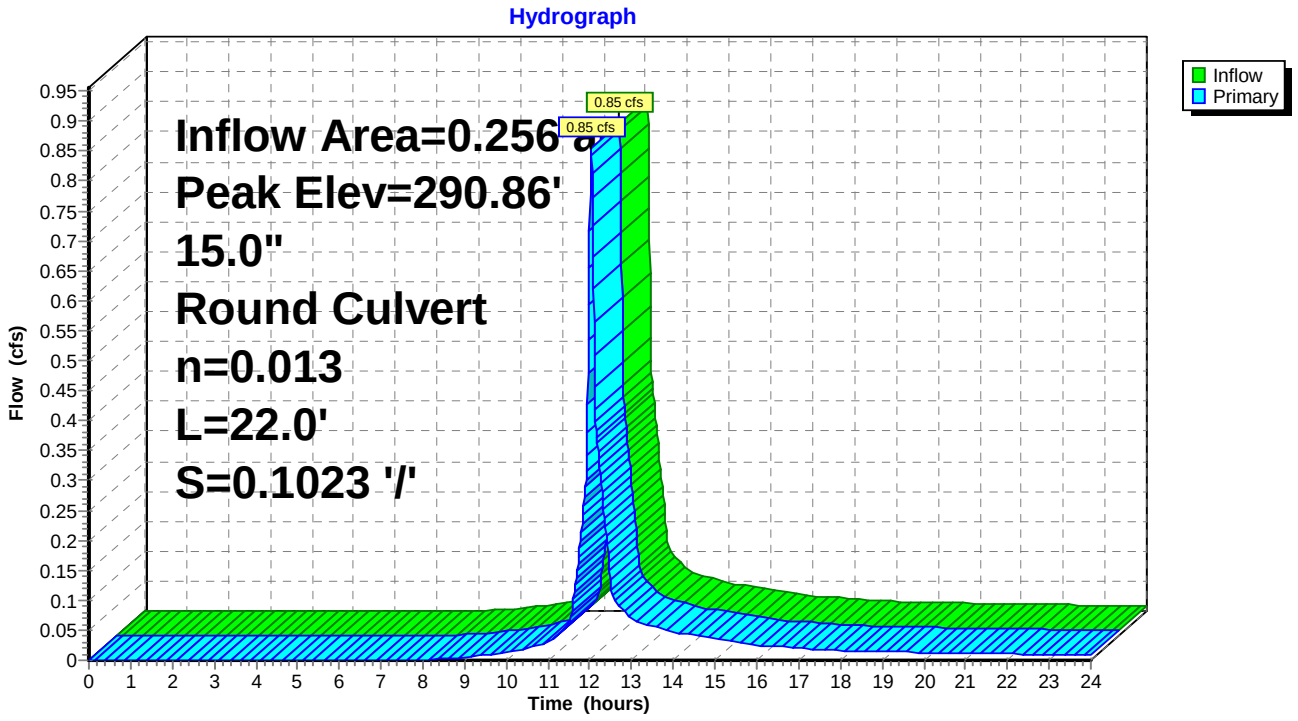
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 2.46" for 5-Year event
Inflow = 0.85 cfs @ 12.03 hrs, Volume= 0.052 af
Outflow = 0.85 cfs @ 12.03 hrs, Volume= 0.052 af, Atten= 0%, Lag= 0.0 min
Primary = 0.85 cfs @ 12.03 hrs, Volume= 0.052 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 290.86' @ 12.03 hrs
Flood Elev= 293.00'

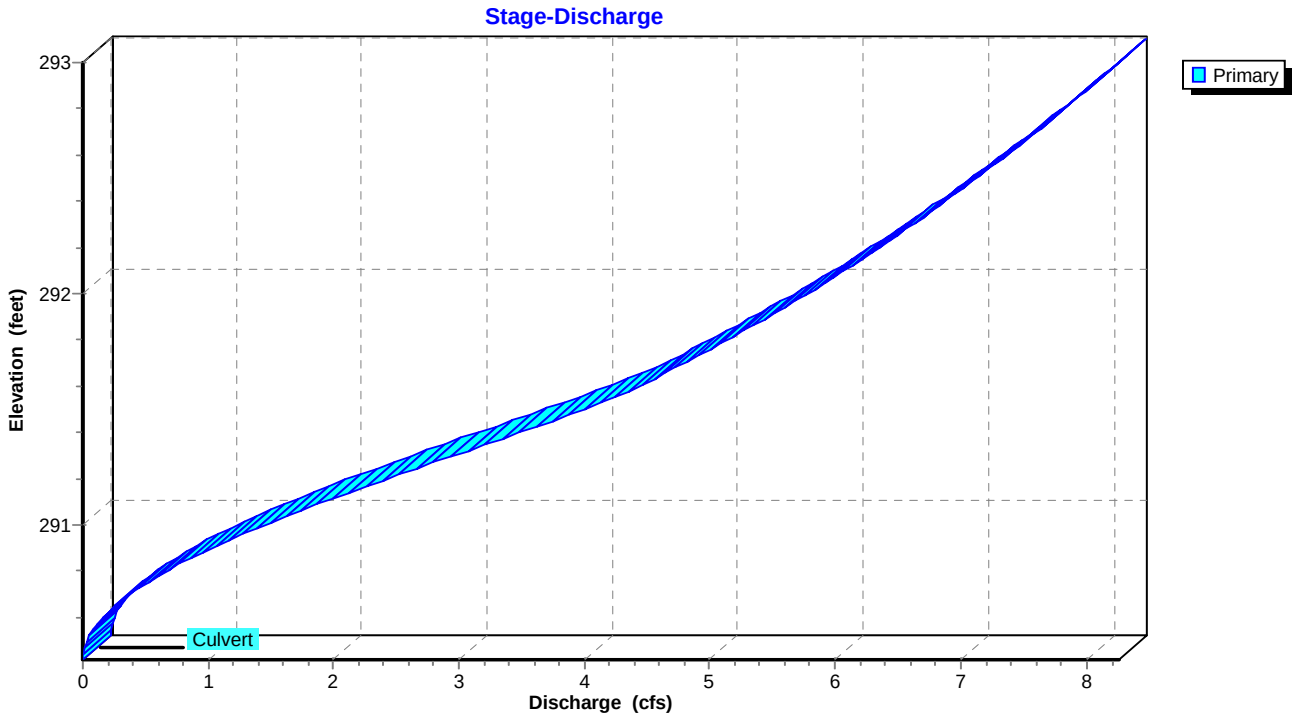
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.85 cfs @ 12.03 hrs HW=290.85' TW=288.62' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.85 cfs @ 2.24 fps)

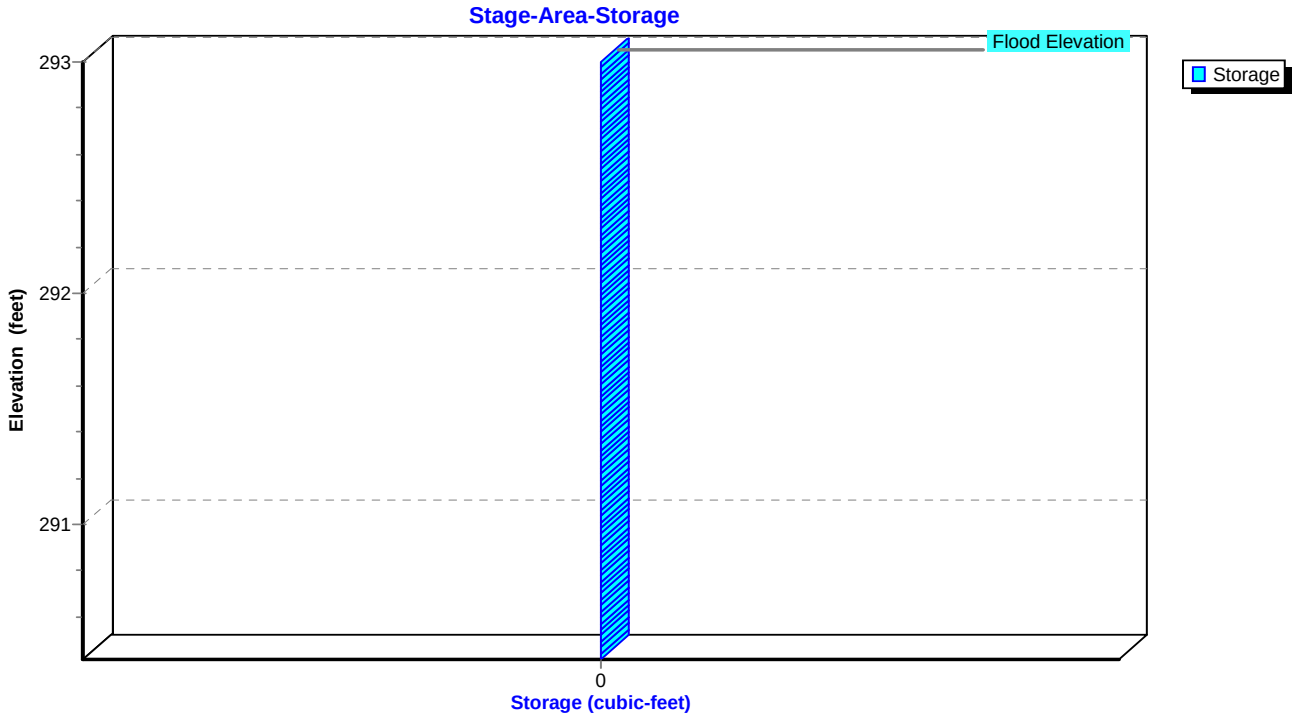
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.42	0.00
6.50	0.00	290.42	0.00
7.00	0.00	290.42	0.00
7.50	0.00	290.42	0.00
8.00	0.00	290.43	0.00
8.50	0.00	290.44	0.00
9.00	0.00	290.45	0.00
9.50	0.01	290.46	0.01
10.00	0.01	290.47	0.01
10.50	0.02	290.48	0.02
11.00	0.03	290.50	0.03
11.50	0.06	290.53	0.06
12.00	**0.72**	**290.82**	**0.72**
12.50	**0.13**	**290.58**	**0.13**
13.00	0.07	290.54	0.07
13.50	0.06	290.53	0.06
14.00	0.05	290.52	0.05
14.50	0.04	290.51	0.04
15.00	0.04	290.50	0.04
15.50	0.03	290.50	0.03
16.00	0.03	290.49	0.03
16.50	0.02	290.49	0.02
17.00	0.02	290.48	0.02
17.50	0.02	290.48	0.02
18.00	0.02	290.48	0.02
18.50	0.01	290.47	0.01
19.00	0.01	290.47	0.01
19.50	0.01	290.47	0.01
20.00	0.01	290.47	0.01
20.50	0.01	290.47	0.01
21.00	0.01	290.47	0.01
21.50	0.01	290.47	0.01
22.00	0.01	290.47	0.01
22.50	0.01	290.46	0.01
23.00	0.01	290.46	0.01
23.50	0.01	290.46	0.01
24.00	0.01	290.46	0.01

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

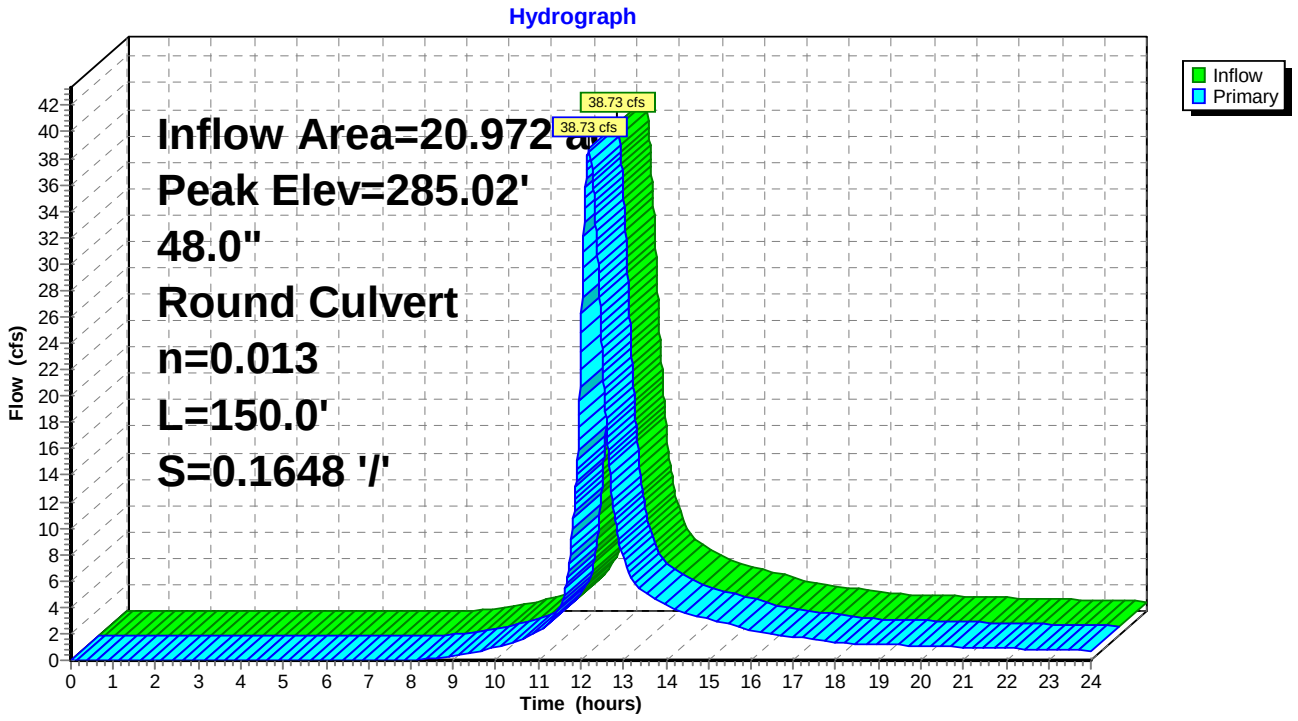
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 2.50" for 5-Year event
Inflow = 38.73 cfs @ 12.18 hrs, Volume= 4.363 af
Outflow = 38.73 cfs @ 12.18 hrs, Volume= 4.363 af, Atten= 0%, Lag= 0.0 min
Primary = 38.73 cfs @ 12.18 hrs, Volume= 4.363 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 285.02' @ 12.18 hrs
Flood Elev= 287.25'

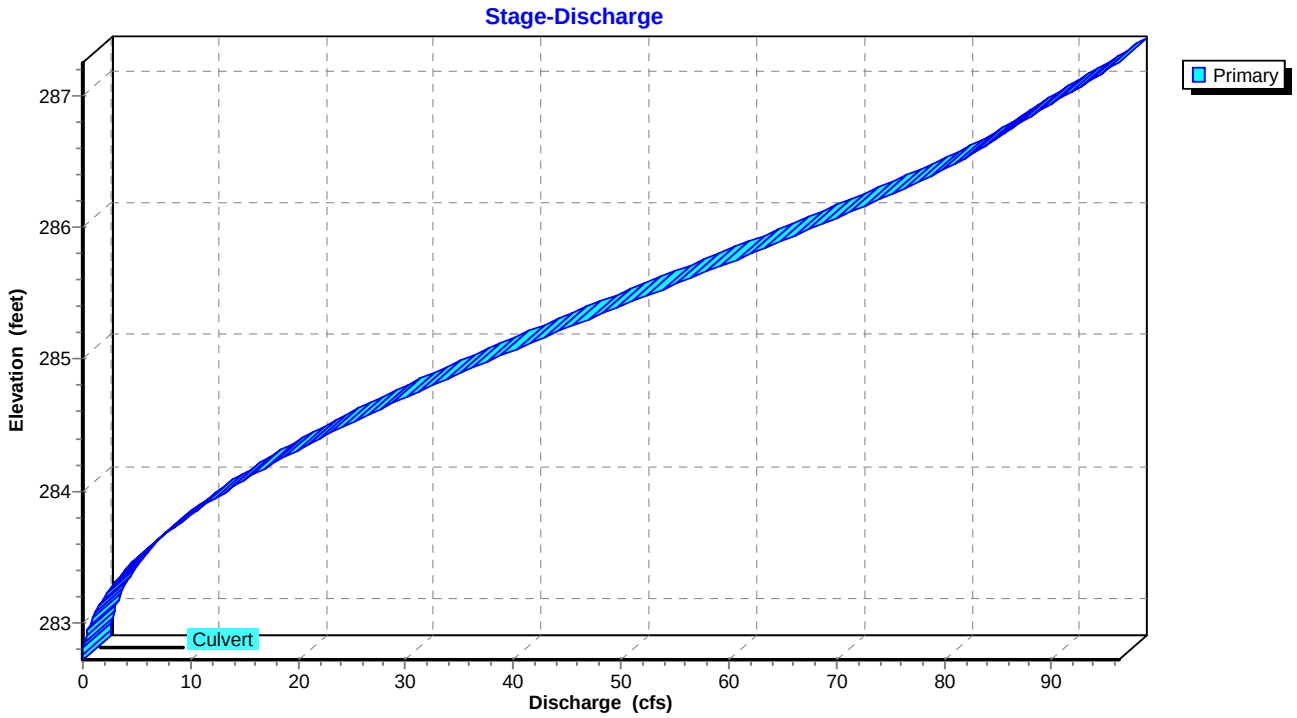
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=38.72 cfs @ 12.18 hrs HW=285.02' (Free Discharge)
1=Culvert (Inlet Controls 38.72 cfs @ 5.17 fps)

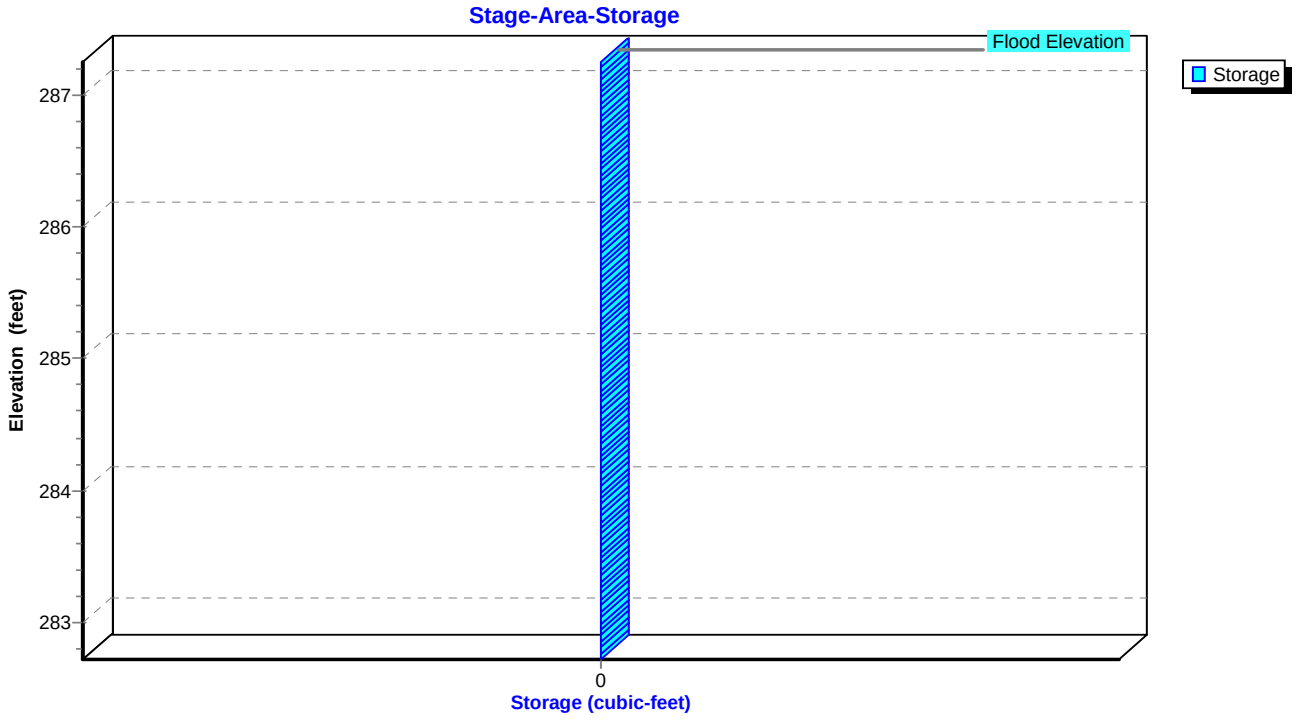
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.72	0.00
5.50	0.00	282.72	0.00
6.00	0.00	282.72	0.00
6.50	0.00	282.72	0.00
7.00	0.00	282.73	0.00
7.50	0.01	282.75	0.01
8.00	0.04	282.79	0.04
8.50	0.14	282.85	0.14
9.00	0.34	282.92	0.34
9.50	0.62	282.98	0.62
10.00	0.96	283.05	0.96
10.50	1.48	283.13	1.48
11.00	2.21	283.22	2.21
11.50	3.90	283.39	3.90
12.00	**23.38**	**284.45**	**23.38**
12.50	**23.56**	**284.46**	**23.56**
13.00	7.65	283.67	7.65
13.50	5.12	283.49	5.12
14.00	4.20	283.42	4.20
14.50	3.57	283.36	3.57
15.00	3.14	283.32	3.14
15.50	2.71	283.28	2.71
16.00	2.27	283.23	2.27
16.50	1.96	283.19	1.96
17.00	1.77	283.17	1.77
17.50	1.57	283.14	1.57
18.00	1.37	283.12	1.37
18.50	1.25	283.10	1.25
19.00	1.19	283.09	1.19
19.50	1.14	283.08	1.14
20.00	1.08	283.07	1.08
20.50	1.03	283.06	1.03
21.00	0.98	283.05	0.98
21.50	0.94	283.05	0.94
22.00	0.89	283.04	0.89
22.50	0.85	283.03	0.85
23.00	0.80	283.02	0.80
23.50	0.76	283.01	0.76
24.00	0.71	283.00	0.71

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

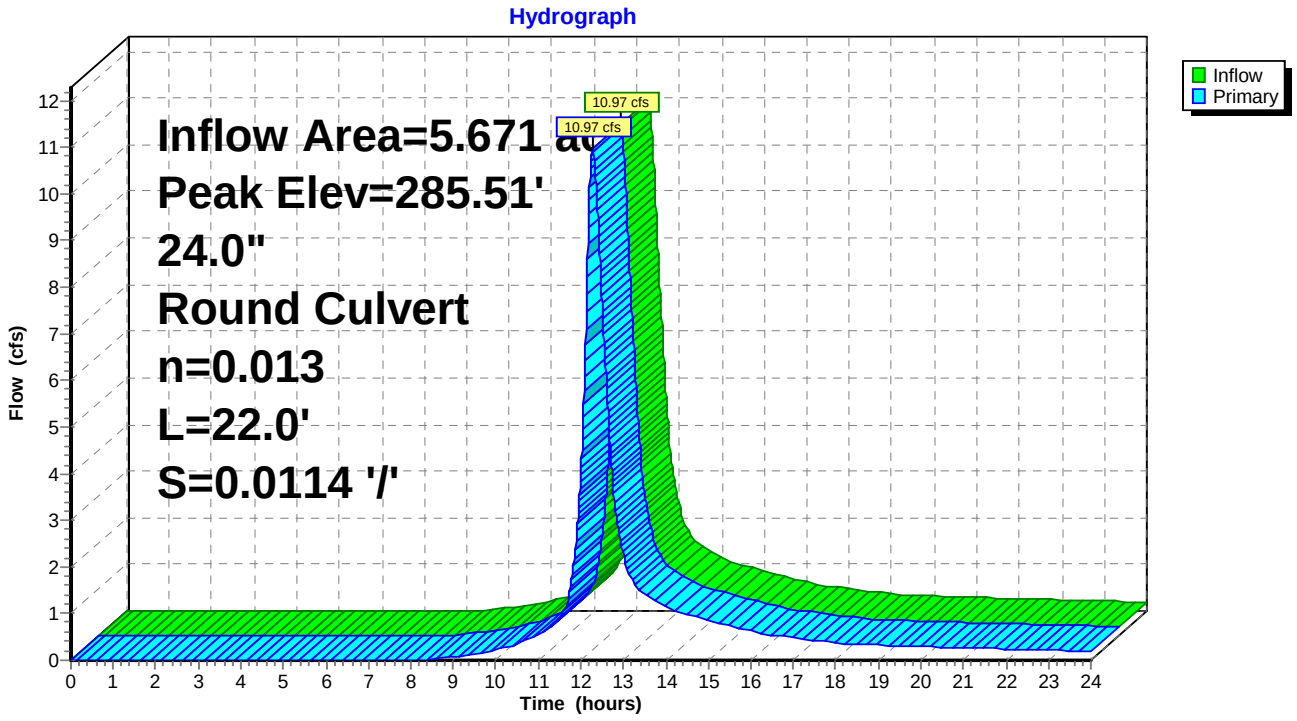
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 2.45" for 5-Year event
Inflow = 10.97 cfs @ 12.29 hrs, Volume= 1.158 af
Outflow = 10.97 cfs @ 12.29 hrs, Volume= 1.158 af, Atten= 0%, Lag= 0.0 min
Primary = 10.97 cfs @ 12.29 hrs, Volume= 1.158 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 285.51' @ 12.25 hrs
Flood Elev= 286.00'

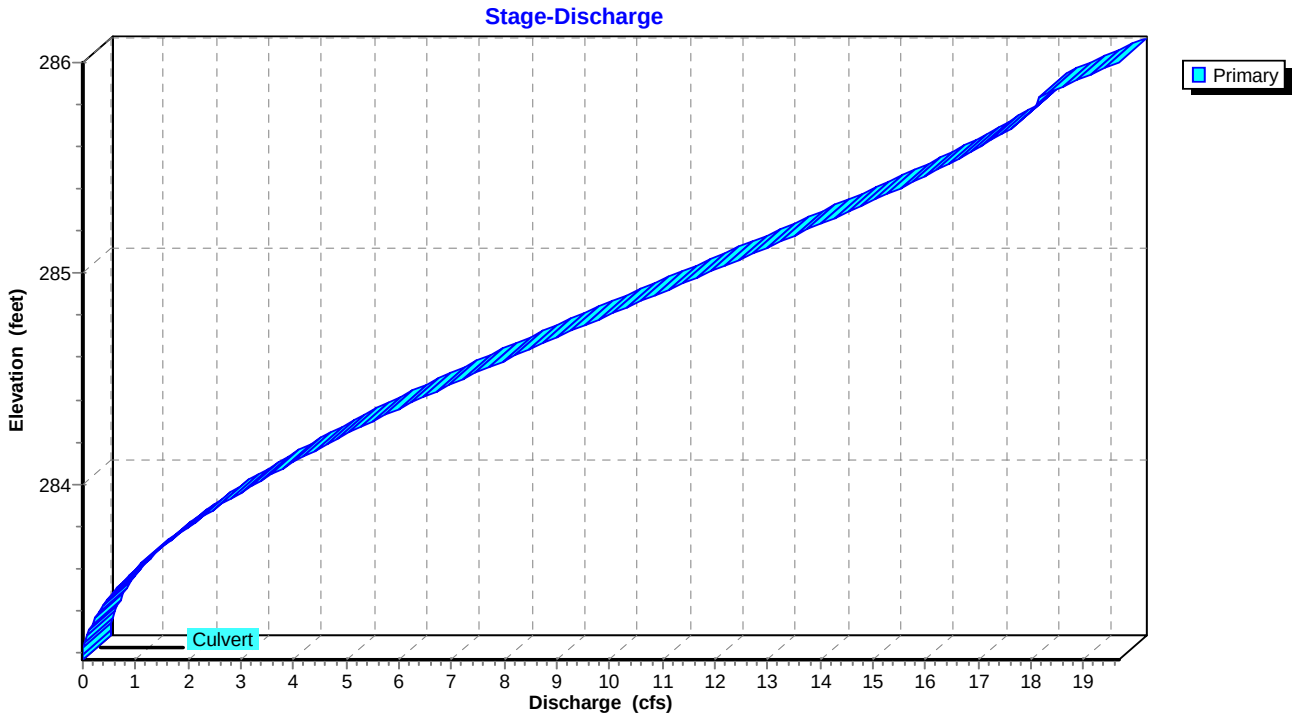
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=11.11 cfs @ 12.29 hrs HW=285.48' TW=284.94' (Dynamic Tailwater)
1=Culvert (Inlet Controls 11.11 cfs @ 3.54 fps)

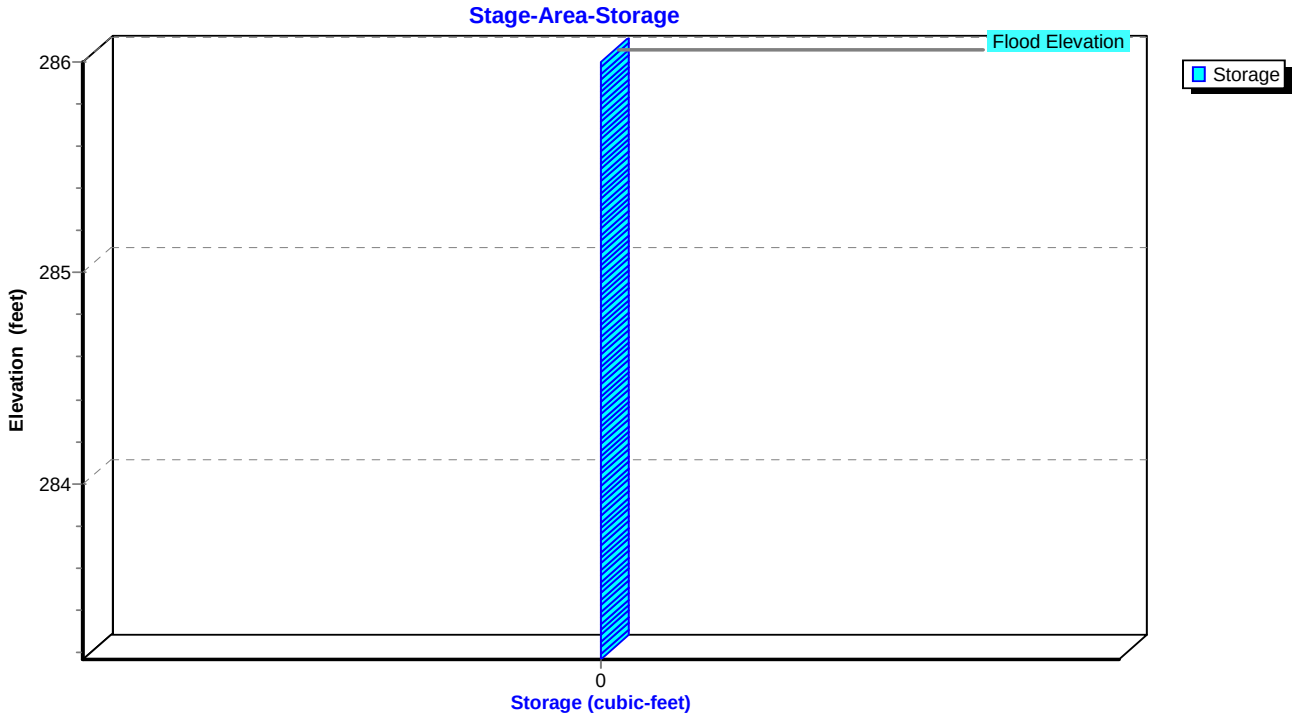
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.17	0.00
6.50	0.00	283.17	0.00
7.00	0.00	283.17	0.00
7.50	0.00	283.17	0.00
8.00	0.00	283.17	0.00
8.50	0.02	283.23	0.02
9.00	0.07	283.28	0.07
9.50	0.14	283.32	0.14
10.00	0.23	283.37	0.23
10.50	0.35	283.42	0.35
11.00	0.54	283.49	0.54
11.50	0.92	283.63	0.92
12.00	**3.96**	**284.55**	**3.96**
12.50	**7.65**	**284.85**	**7.65**
13.00	2.25	283.95	2.25
13.50	1.41	283.75	1.41
14.00	1.16	283.68	1.16
14.50	0.98	283.63	0.98
15.00	0.86	283.59	0.86
15.50	0.75	283.56	0.75
16.00	0.63	283.52	0.63
16.50	0.54	283.49	0.54
17.00	0.48	283.47	0.48
17.50	0.43	283.45	0.43
18.00	0.38	283.43	0.38
18.50	0.34	283.41	0.34
19.00	0.32	283.40	0.32
19.50	0.31	283.40	0.31
20.00	0.29	283.39	0.29
20.50	0.28	283.39	0.28
21.00	0.27	283.38	0.27
21.50	0.25	283.38	0.25
22.00	0.24	283.37	0.24
22.50	0.23	283.37	0.23
23.00	0.22	283.36	0.22
23.50	0.21	283.36	0.21
24.00	0.19	283.35	0.19

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	284.19	4.63	285.21	13.79
283.19	0.00	284.21	4.79	285.23	13.97
283.21	0.01	284.23	4.94	285.25	14.15
283.23	0.02	284.25	5.10	285.27	14.33
283.25	0.04	284.27	5.26	285.29	14.51
283.27	0.06	284.29	5.42	285.31	14.69
283.29	0.09	284.31	5.58	285.33	14.86
283.31	0.12	284.33	5.75	285.35	15.04
283.33	0.15	284.35	5.91	285.37	15.21
283.35	0.19	284.37	6.08	285.39	15.38
283.37	0.24	284.39	6.25	285.41	15.55
283.39	0.28	284.41	6.42	285.43	15.72
283.41	0.34	284.43	6.59	285.45	15.88
283.43	0.39	284.45	6.76	285.47	16.05
283.45	0.45	284.47	6.94	285.49	16.21
283.47	0.52	284.49	7.11	285.51	16.36
283.49	0.58	284.51	7.29	285.53	16.52
283.51	0.65	284.53	7.46	285.55	16.67
283.53	0.73	284.55	7.64	285.57	16.82
283.55	0.80	284.57	7.82	285.59	16.96
283.57	0.88	284.59	8.00	285.61	17.10
283.59	0.97	284.61	8.18	285.63	17.23
283.61	1.05	284.63	8.36	285.65	17.36
283.63	1.14	284.65	8.55	285.67	17.49
283.65	1.23	284.67	8.73	285.69	17.61
283.67	1.33	284.69	8.91	285.71	17.72
283.69	1.42	284.71	9.10	285.73	17.83
283.71	1.52	284.73	9.28	285.75	17.92
283.73	1.63	284.75	9.47	285.77	18.01
283.75	1.73	284.77	9.66	285.79	18.08
283.77	1.84	284.79	9.84	285.81	18.14
283.79	1.95	284.81	10.03	285.83	18.16
283.81	2.06	284.83	10.22	285.85	18.25
283.83	2.18	284.85	10.41	285.87	18.45
283.85	2.30	284.87	10.60	285.89	18.64
283.87	2.42	284.89	10.79	285.91	18.83
283.89	2.54	284.91	10.98	285.93	19.02
283.91	2.66	284.93	11.16	285.95	19.21
283.93	2.79	284.95	11.35	285.97	19.39
283.95	2.92	284.97	11.54	285.99	**19.58**
283.97	3.05	284.99	11.73		
283.99	3.19	285.01	11.92		
284.01	3.32	285.03	12.11		
284.03	3.46	285.05	12.30		
284.05	3.60	285.07	12.49		
284.07	3.74	285.09	12.67		
284.09	3.88	285.11	12.86		
284.11	4.03	285.13	13.05		
284.13	4.18	285.15	13.23		
284.15	4.33	285.17	13.42		
284.17	4.48	285.19	13.60		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	284.19	0	285.21	0
283.19	0	284.21	0	285.23	0
283.21	0	284.23	0	285.25	0
283.23	0	284.25	0	285.27	0
283.25	0	284.27	0	285.29	0
283.27	0	284.29	0	285.31	0
283.29	0	284.31	0	285.33	0
283.31	0	284.33	0	285.35	0
283.33	0	284.35	0	285.37	0
283.35	0	284.37	0	285.39	0
283.37	0	284.39	0	285.41	0
283.39	0	284.41	0	285.43	0
283.41	0	284.43	0	285.45	0
283.43	0	284.45	0	285.47	0
283.45	0	284.47	0	285.49	0
283.47	0	284.49	0	285.51	0
283.49	0	284.51	0	285.53	0
283.51	0	284.53	0	285.55	0
283.53	0	284.55	0	285.57	0
283.55	0	284.57	0	285.59	0
283.57	0	284.59	0	285.61	0
283.59	0	284.61	0	285.63	0
283.61	0	284.63	0	285.65	0
283.63	0	284.65	0	285.67	0
283.65	0	284.67	0	285.69	0
283.67	0	284.69	0	285.71	0
283.69	0	284.71	0	285.73	0
283.71	0	284.73	0	285.75	0
283.73	0	284.75	0	285.77	0
283.75	0	284.77	0	285.79	0
283.77	0	284.79	0	285.81	0
283.79	0	284.81	0	285.83	0
283.81	0	284.83	0	285.85	0
283.83	0	284.85	0	285.87	0
283.85	0	284.87	0	285.89	0
283.87	0	284.89	0	285.91	0
283.89	0	284.91	0	285.93	0
283.91	0	284.93	0	285.95	0
283.93	0	284.95	0	285.97	0
283.95	0	284.97	0	285.99	0
283.97	0	284.99	0		
283.99	0	285.01	0		
284.01	0	285.03	0		
284.03	0	285.05	0		
284.05	0	285.07	0		
284.07	0	285.09	0		
284.09	0	285.11	0		
284.11	0	285.13	0		
284.13	0	285.15	0		
284.15	0	285.17	0		
284.17	0	285.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

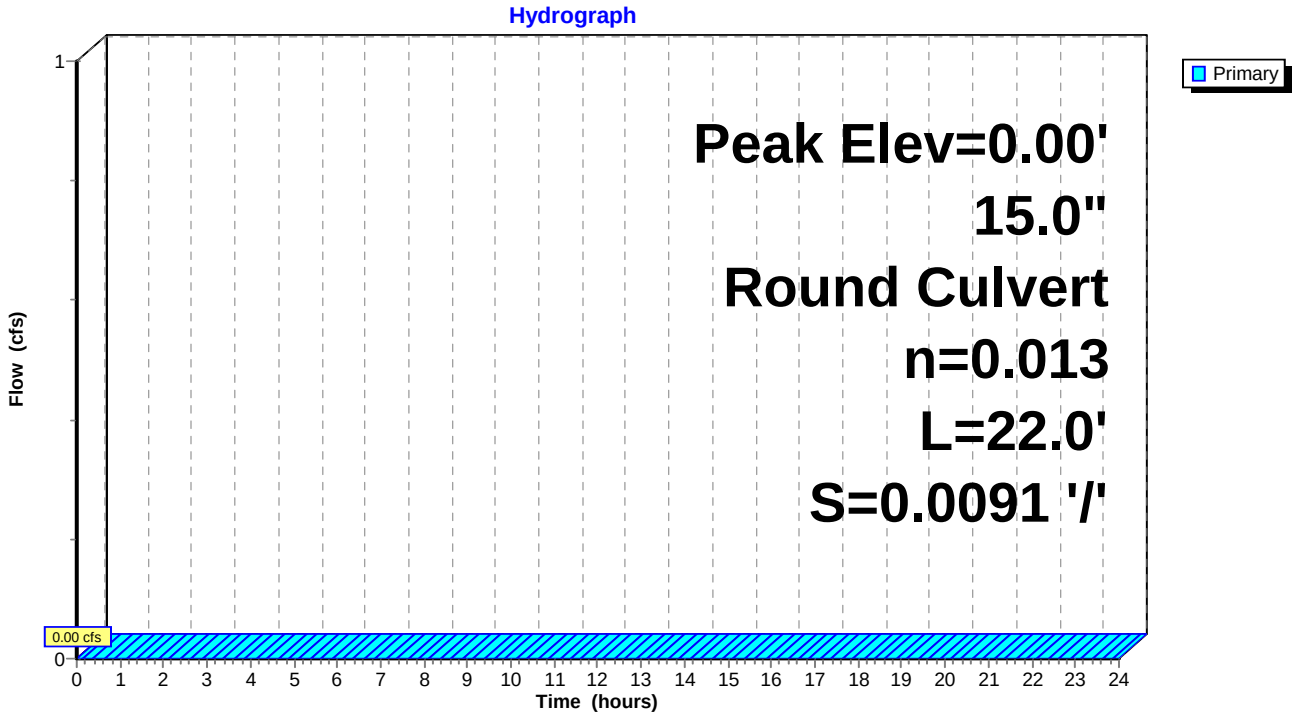
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

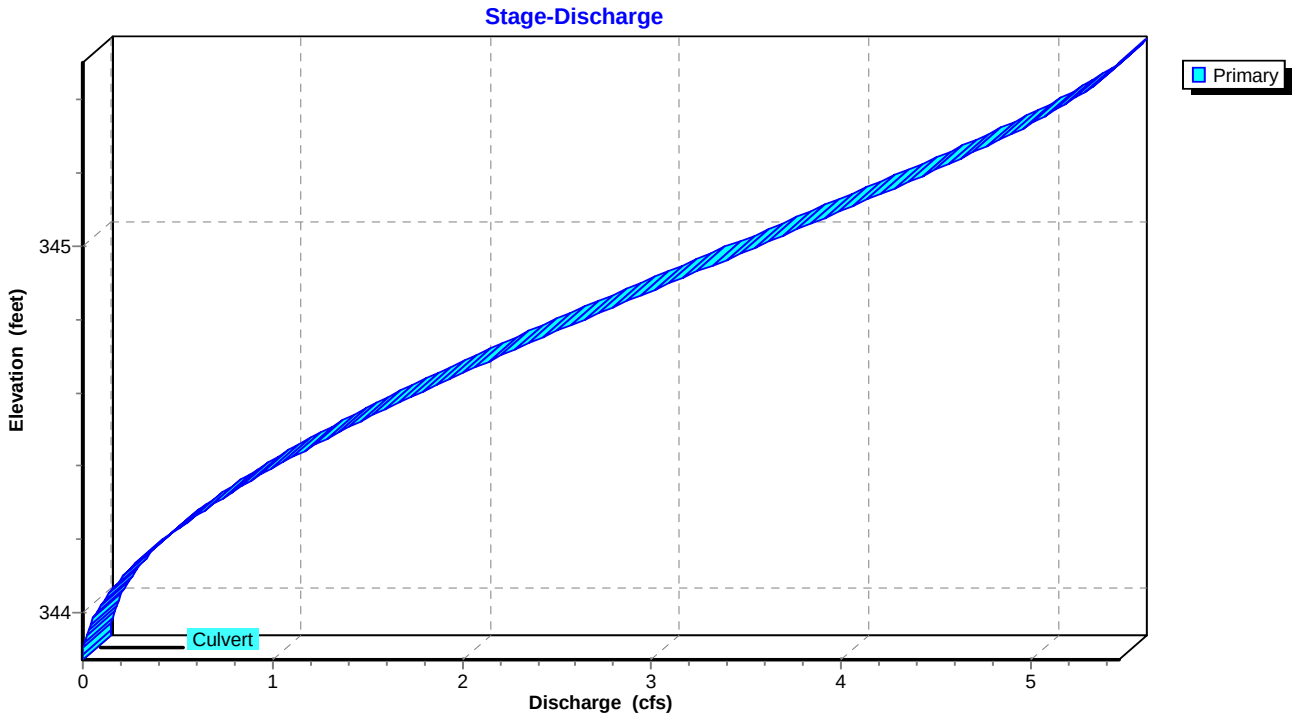
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

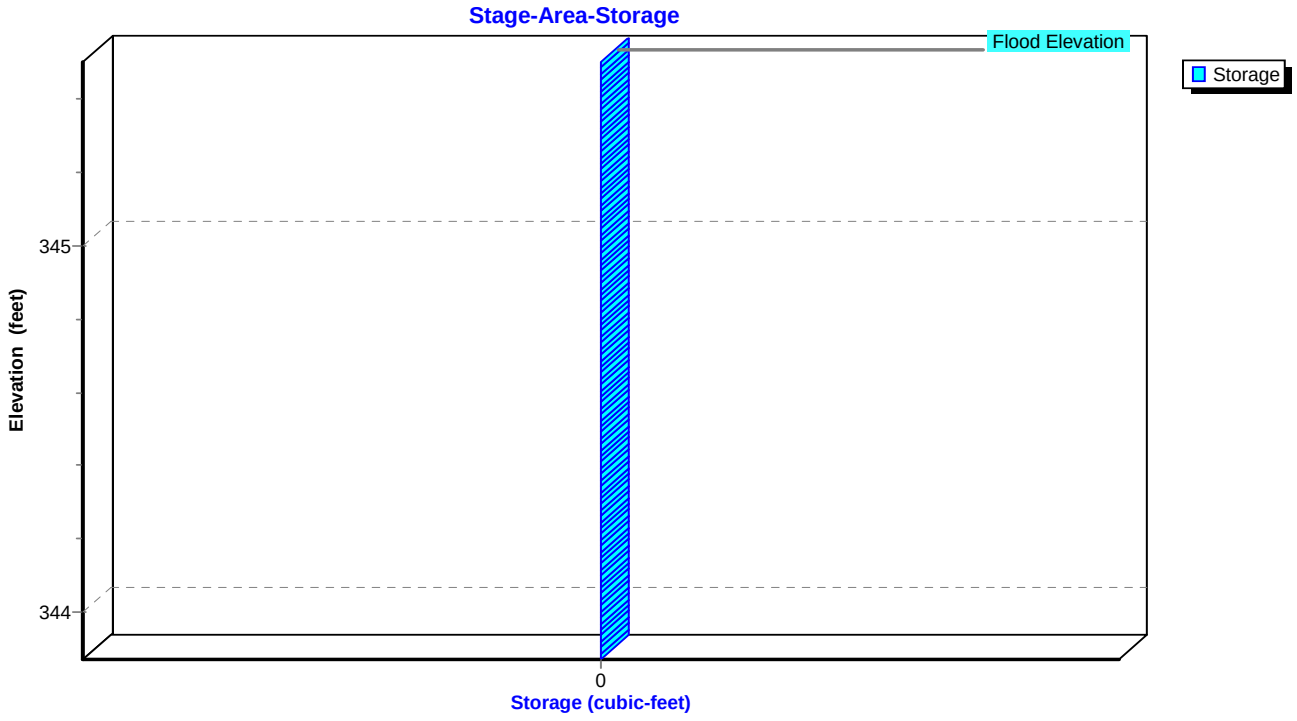
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

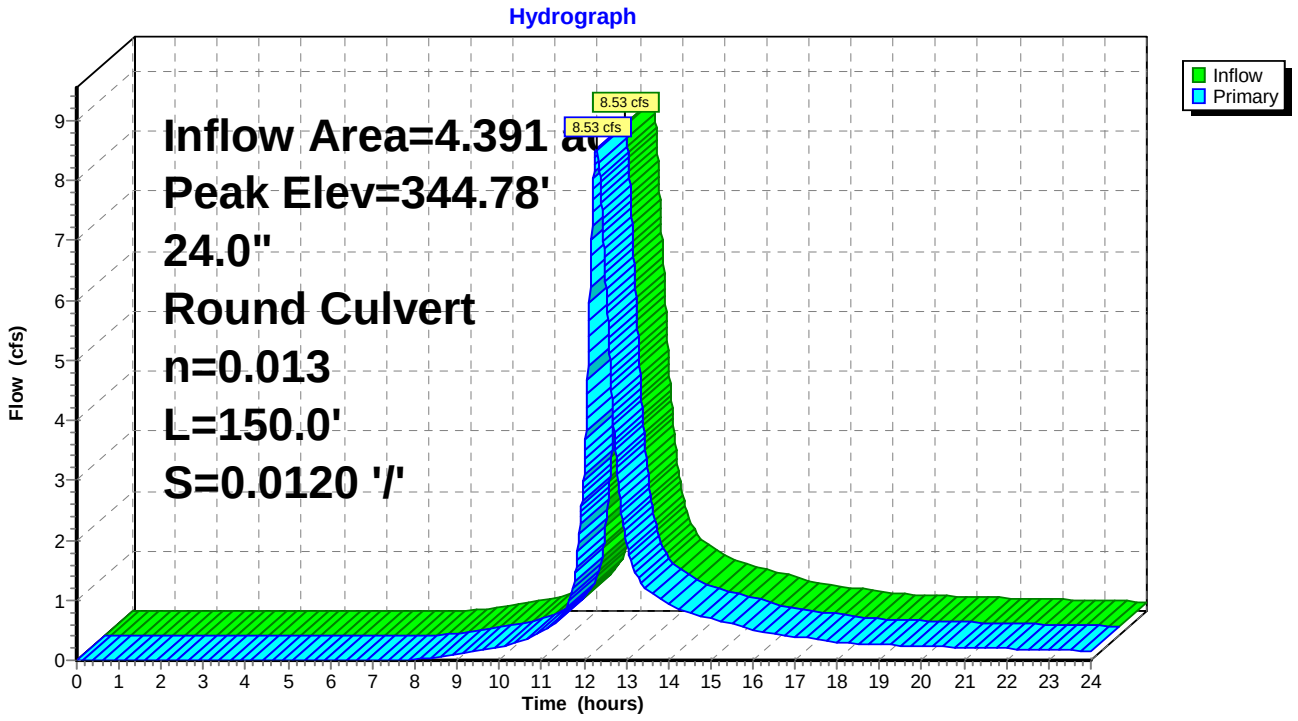
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af
Outflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af, Atten= 0%, Lag= 0.0 min
Primary = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.78' @ 12.30 hrs
Flood Elev= 347.00'

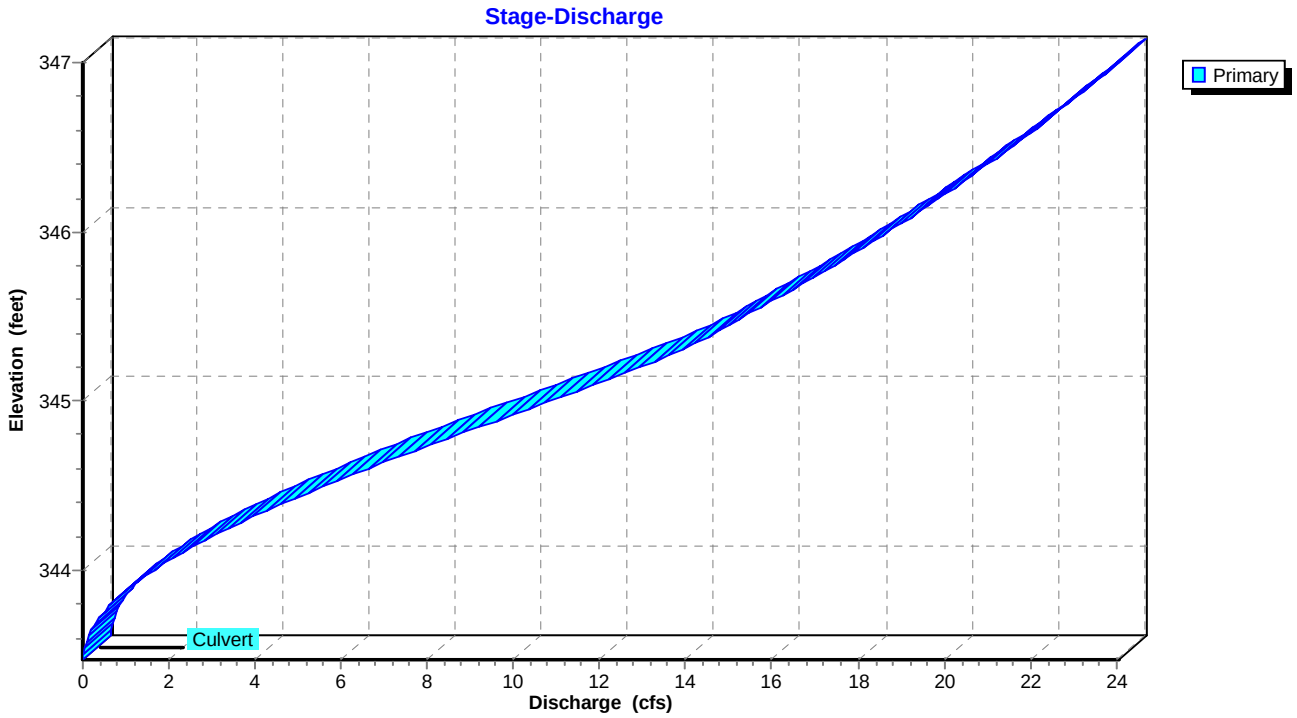
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.52 cfs @ 12.30 hrs HW=344.78' TW=342.97' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.52 cfs @ 3.90 fps)

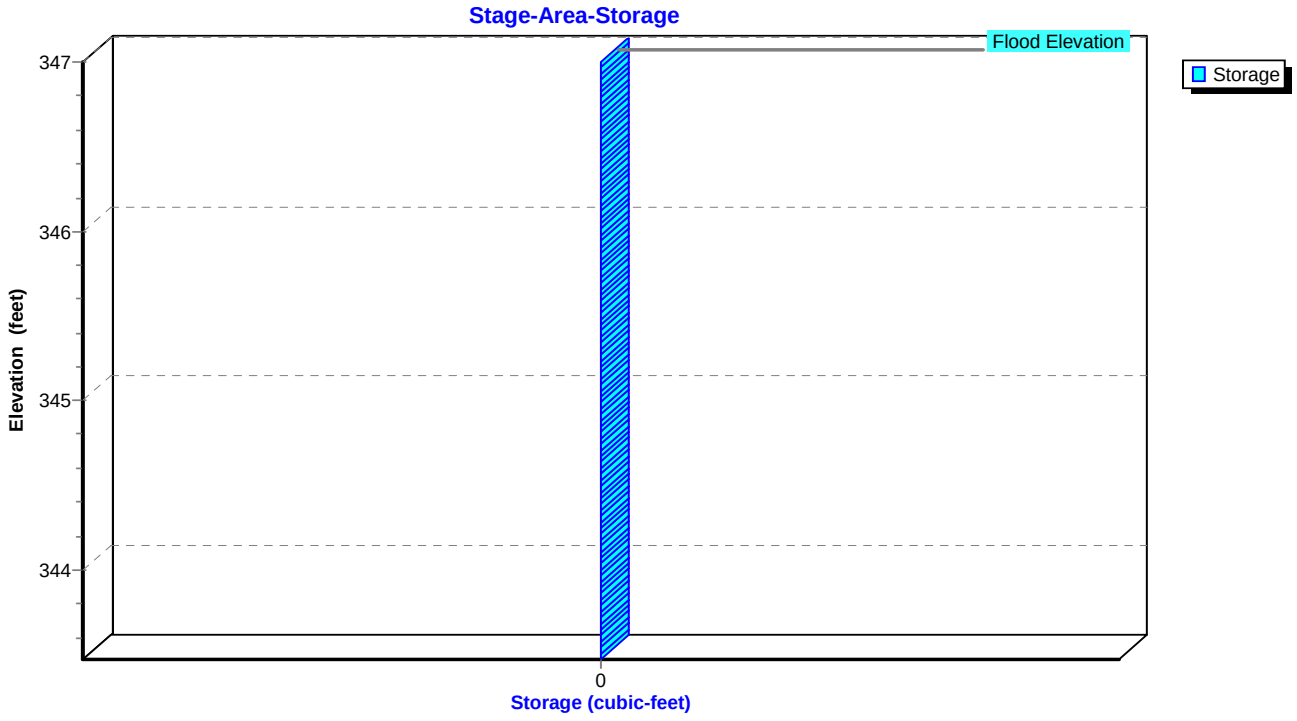
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.49	0.00
8.00	0.02	343.52	0.02
8.50	0.04	343.55	0.04
9.00	0.09	343.59	0.09
9.50	0.15	343.62	0.15
10.00	0.22	343.66	0.22
10.50	0.33	343.70	0.33
11.00	0.48	343.75	0.48
11.50	0.78	343.83	0.78
12.00	**3.10**	**344.21**	**3.10**
12.50	**6.58**	**344.60**	**6.58**
13.00	2.00	344.06	2.00
13.50	1.17	343.91	1.17
14.00	0.95	343.87	0.95
14.50	0.79	343.83	0.79
15.00	0.70	343.81	0.70
15.50	0.60	343.78	0.60
16.00	0.51	343.76	0.51
16.50	0.43	343.73	0.43
17.00	0.39	343.72	0.39
17.50	0.35	343.71	0.35
18.00	0.30	343.69	0.30
18.50	0.27	343.68	0.27
19.00	0.26	343.67	0.26
19.50	0.25	343.67	0.25
20.00	0.23	343.66	0.23
20.50	0.22	343.66	0.22
21.00	0.21	343.65	0.21
21.50	0.20	343.65	0.20
22.00	0.19	343.65	0.19
22.50	0.18	343.64	0.18
23.00	0.17	343.64	0.17
23.50	0.16	343.63	0.16
24.00	0.16	343.63	0.16

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

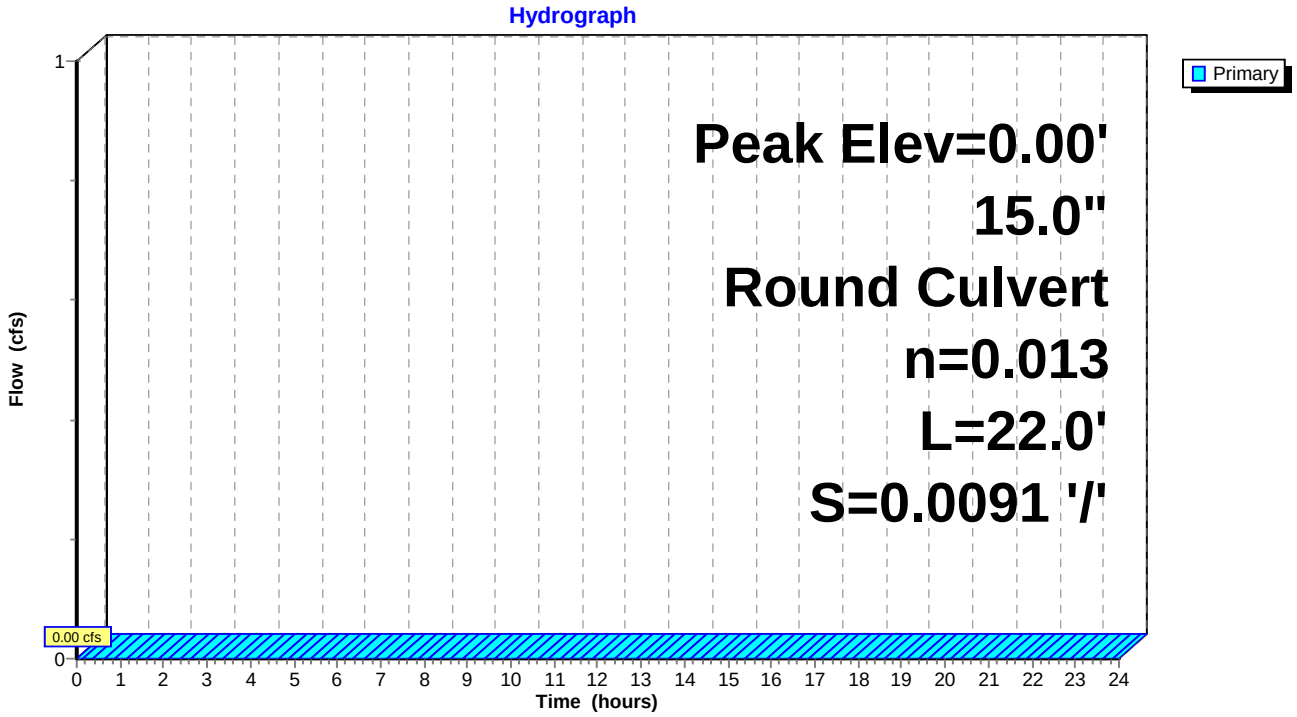
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

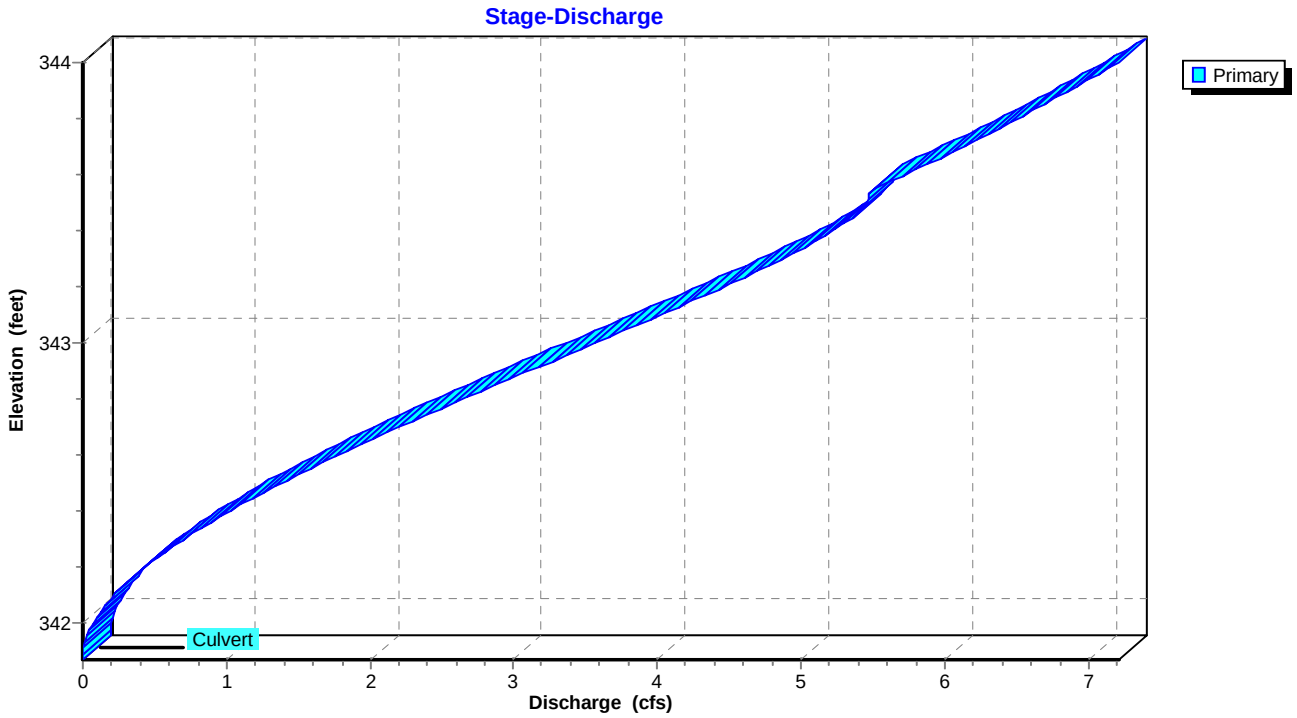
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

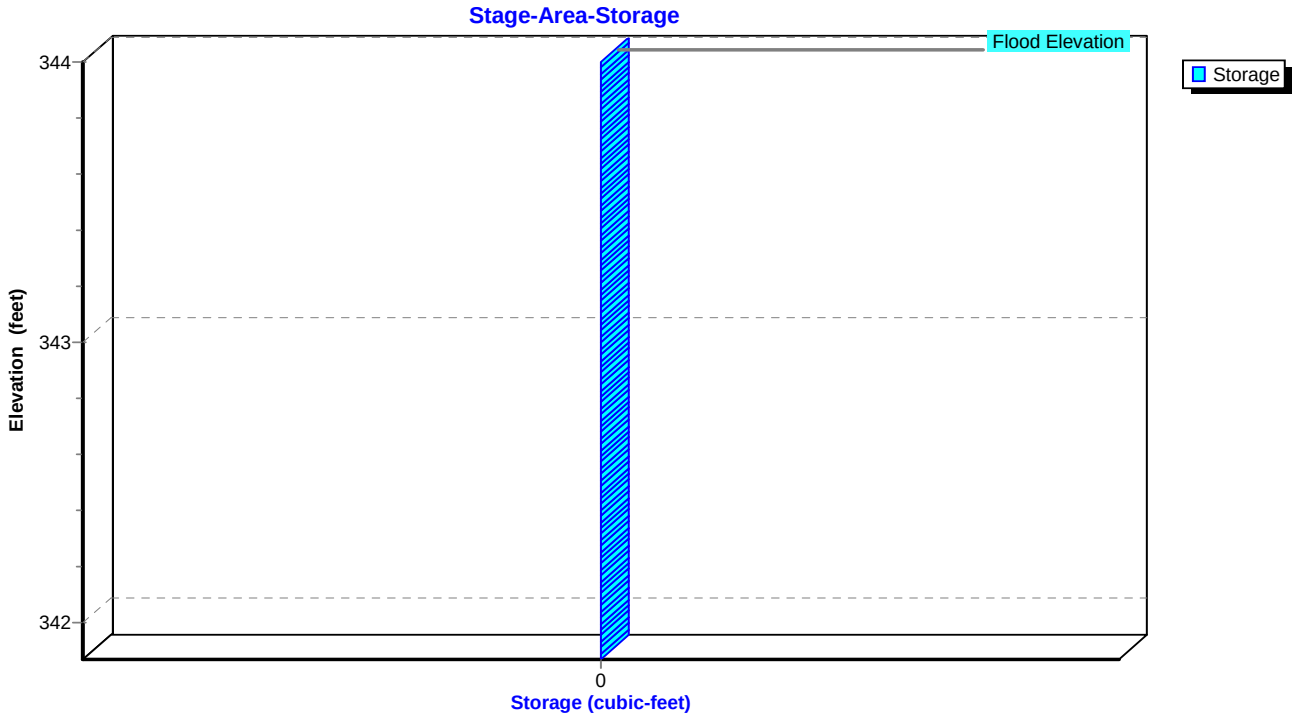
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

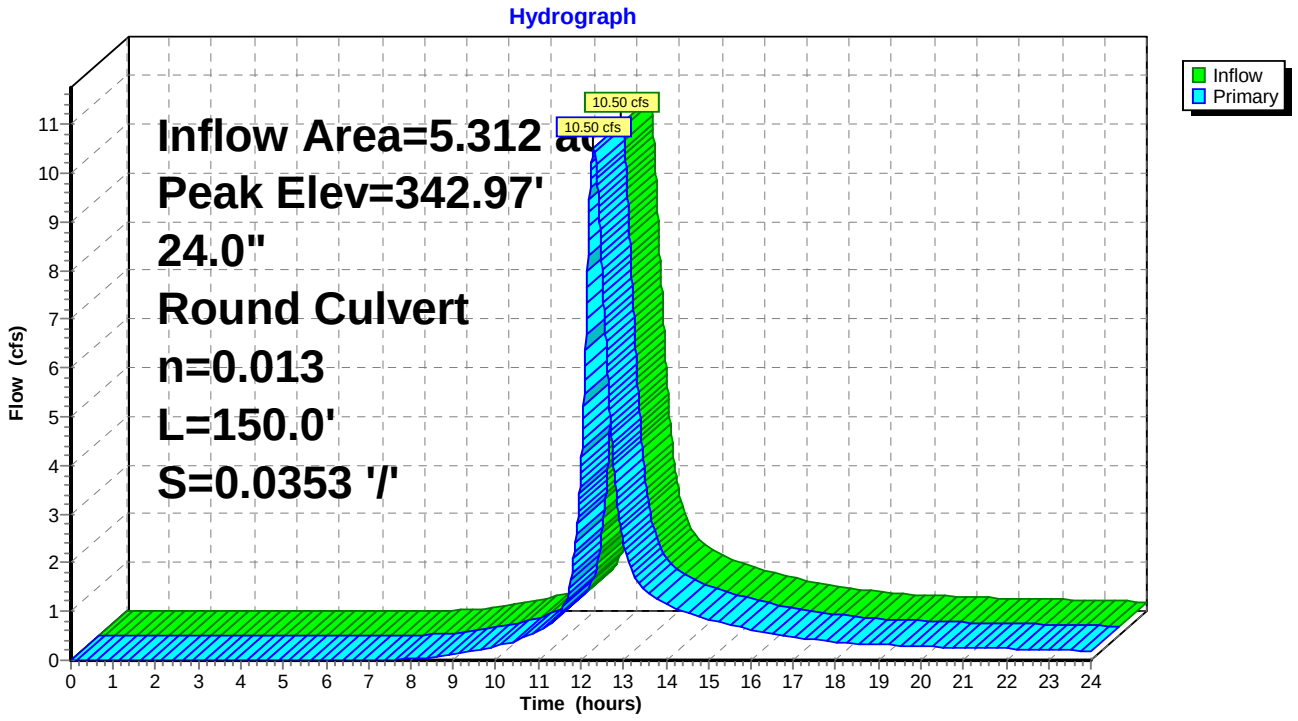
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 2.65" for 5-Year event
Inflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af
Outflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af, Atten= 0%, Lag= 0.0 min
Primary = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.97' @ 12.30 hrs
Flood Elev= 345.00'

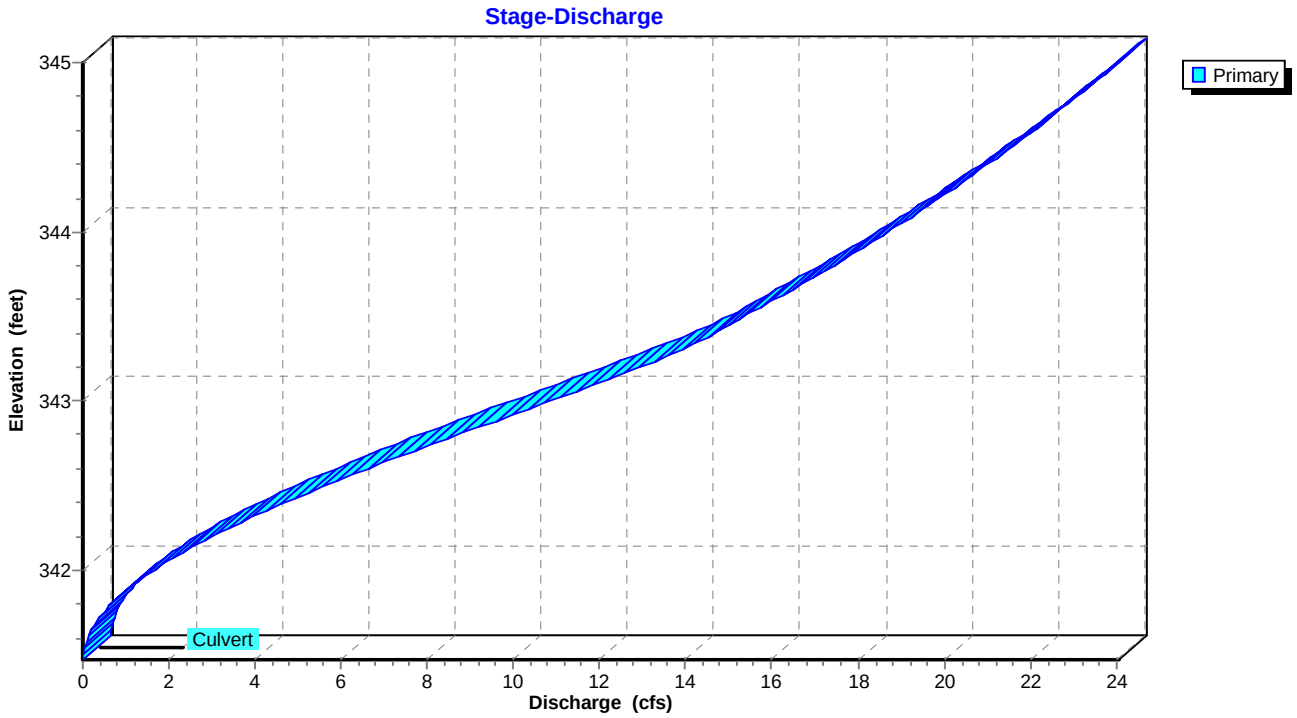
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.50 cfs @ 12.30 hrs HW=342.97' TW=336.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 10.50 cfs @ 4.17 fps)

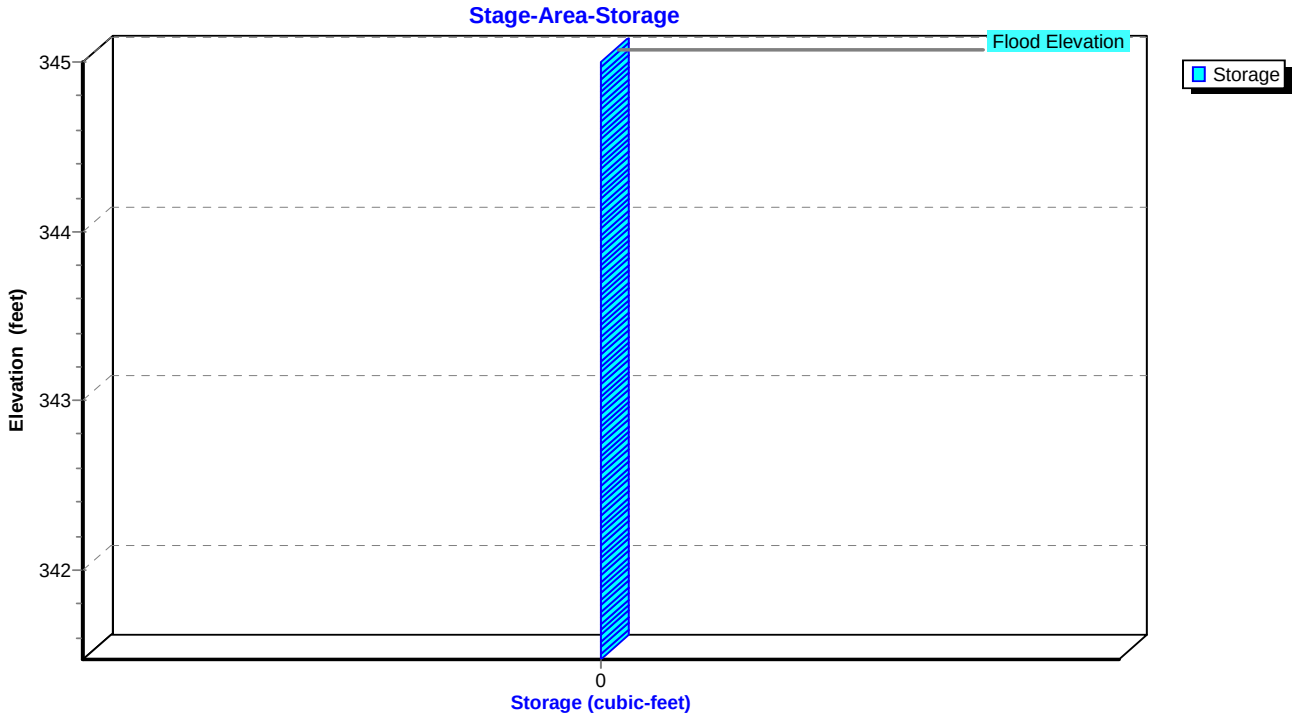
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.48	0.00
7.50	0.01	341.50	0.01
8.00	0.02	341.53	0.02
8.50	0.06	341.57	0.06
9.00	0.12	341.61	0.12
9.50	0.19	341.64	0.19
10.00	0.28	341.68	0.28
10.50	0.41	341.73	0.41
11.00	0.60	341.78	0.60
11.50	0.98	341.87	0.98
12.00	**3.84**	**342.30**	**3.84**
12.50	**8.02**	**342.74**	**8.02**
13.00	2.42	342.12	2.42
13.50	1.42	341.96	1.42
14.00	1.15	341.91	1.15
14.50	0.96	341.87	0.96
15.00	0.85	341.84	0.85
15.50	0.73	341.82	0.73
16.00	0.62	341.79	0.62
16.50	0.53	341.76	0.53
17.00	0.47	341.75	0.47
17.50	0.42	341.73	0.42
18.00	0.37	341.71	0.37
18.50	0.33	341.70	0.33
19.00	0.31	341.70	0.31
19.50	0.30	341.69	0.30
20.00	0.28	341.68	0.28
20.50	0.27	341.68	0.27
21.00	0.26	341.67	0.26
21.50	0.25	341.67	0.25
22.00	0.24	341.66	0.24
22.50	0.22	341.66	0.22
23.00	0.21	341.65	0.21
23.50	0.20	341.65	0.20
24.00	0.19	341.64	0.19

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0

Elevation (feet)	Storage (cubic-feet)
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

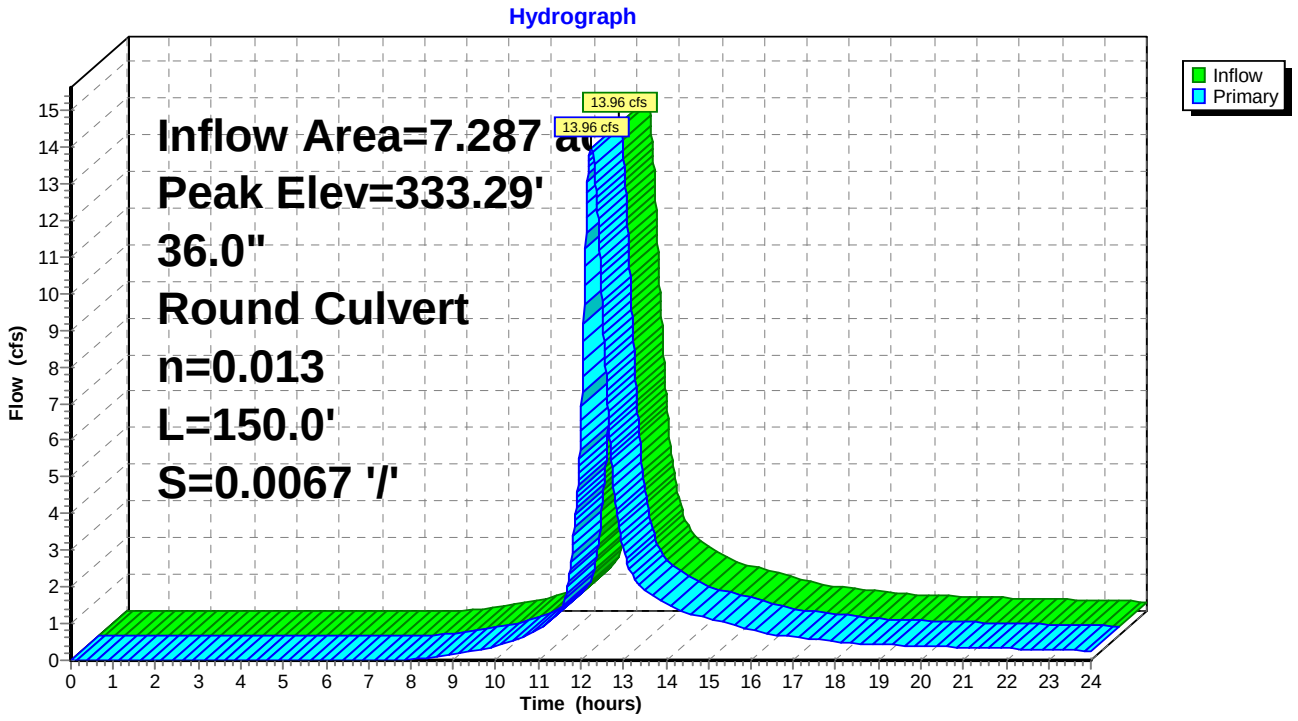
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.29' @ 12.25 hrs
Flood Elev= 337.75'

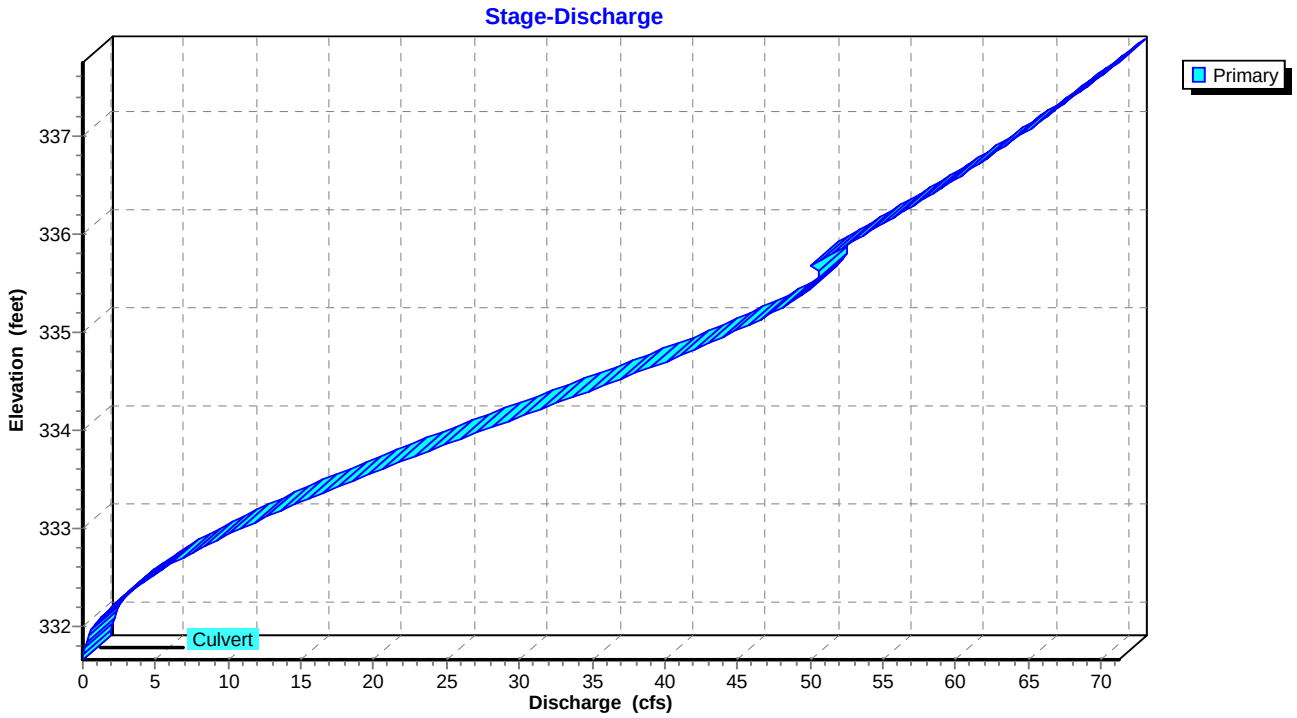
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.96 cfs @ 12.25 hrs HW=333.29' TW=332.09' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 13.96 cfs @ 5.22 fps)

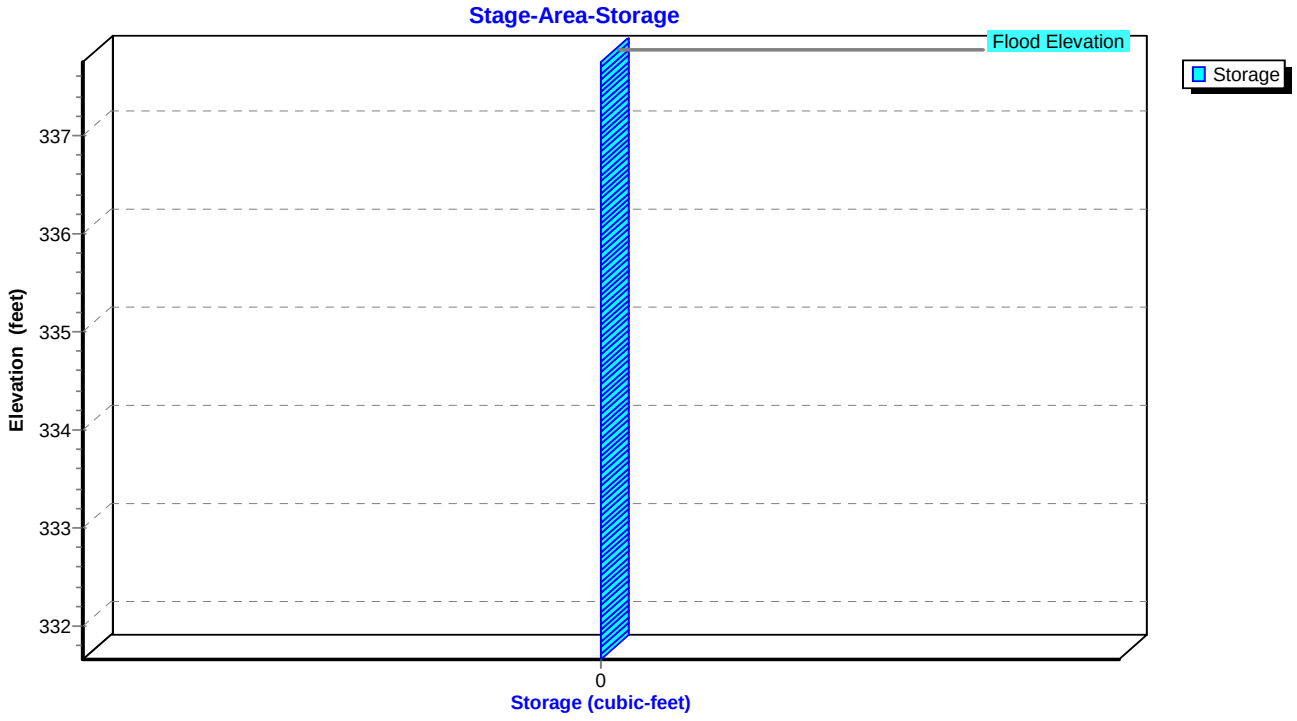
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.68	0.00
7.50	0.01	331.71	0.01
8.00	0.03	331.74	0.03
8.50	0.08	331.79	0.08
9.00	0.16	331.83	0.16
9.50	0.26	331.87	0.26
10.00	0.39	331.91	0.39
10.50	0.57	331.96	0.57
11.00	0.83	332.02	0.83
11.50	1.39	332.12	1.39
12.00	**6.26**	**332.67**	**6.26**
12.50	**9.81**	**332.97**	**9.81**
13.00	3.05	332.34	3.05
13.50	1.89	332.20	1.89
14.00	1.54	332.15	1.54
14.50	1.30	332.11	1.30
15.00	1.14	332.08	1.14
15.50	0.98	332.05	0.98
16.00	0.83	332.02	0.83
16.50	0.71	332.00	0.71
17.00	0.64	331.98	0.64
17.50	0.57	331.96	0.57
18.00	0.50	331.94	0.50
18.50	0.45	331.93	0.45
19.00	0.43	331.93	0.43
19.50	0.41	331.92	0.41
20.00	0.39	331.91	0.39
20.50	0.37	331.91	0.37
21.00	0.35	331.90	0.35
21.50	0.34	331.90	0.34
22.00	0.32	331.89	0.32
22.50	0.30	331.89	0.30
23.00	0.29	331.88	0.29
23.50	0.27	331.88	0.27
24.00	0.26	331.87	0.26

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

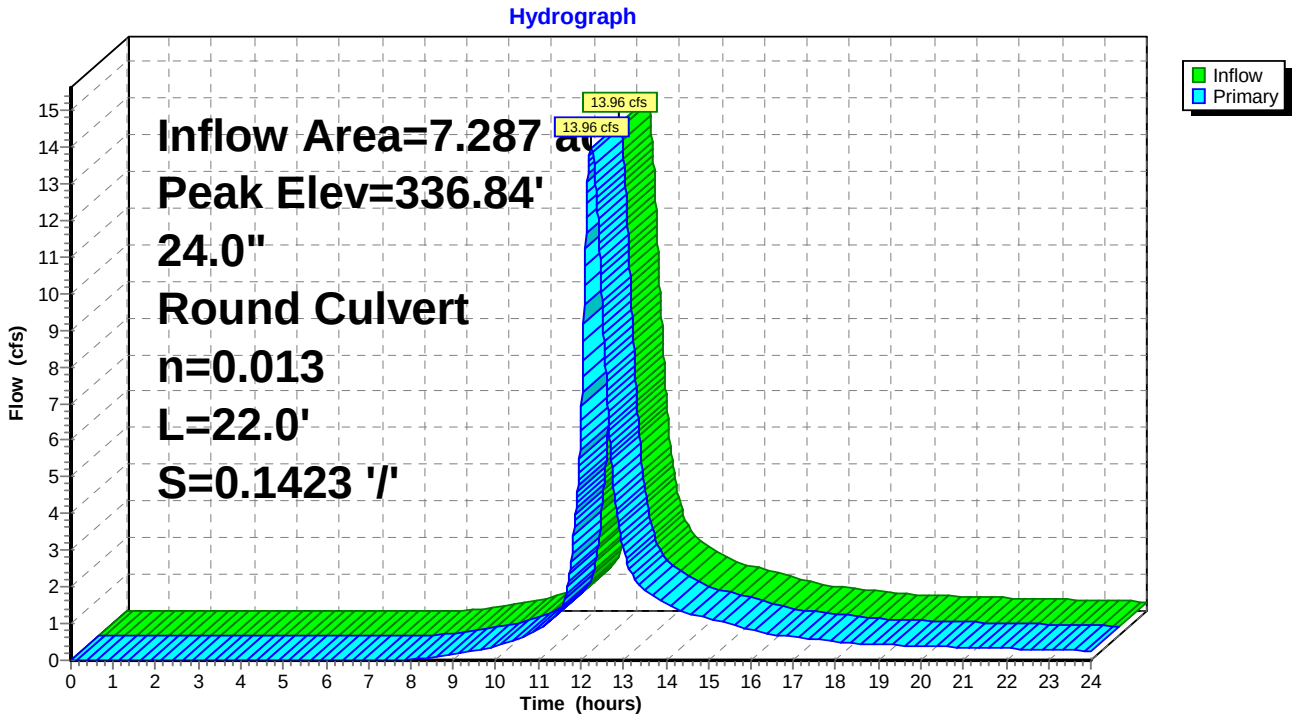
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.84' @ 12.25 hrs
Flood Elev= 339.50'

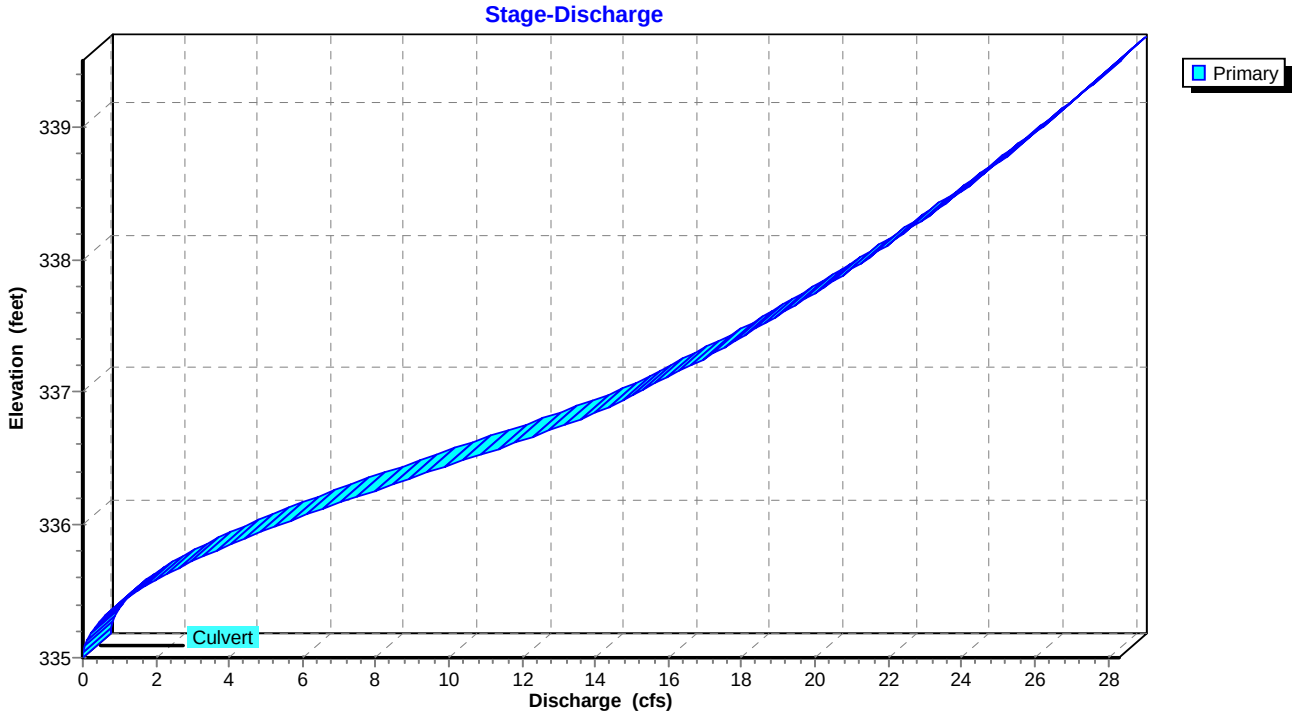
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.95 cfs @ 12.25 hrs HW=336.84' TW=333.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.95 cfs @ 4.62 fps)

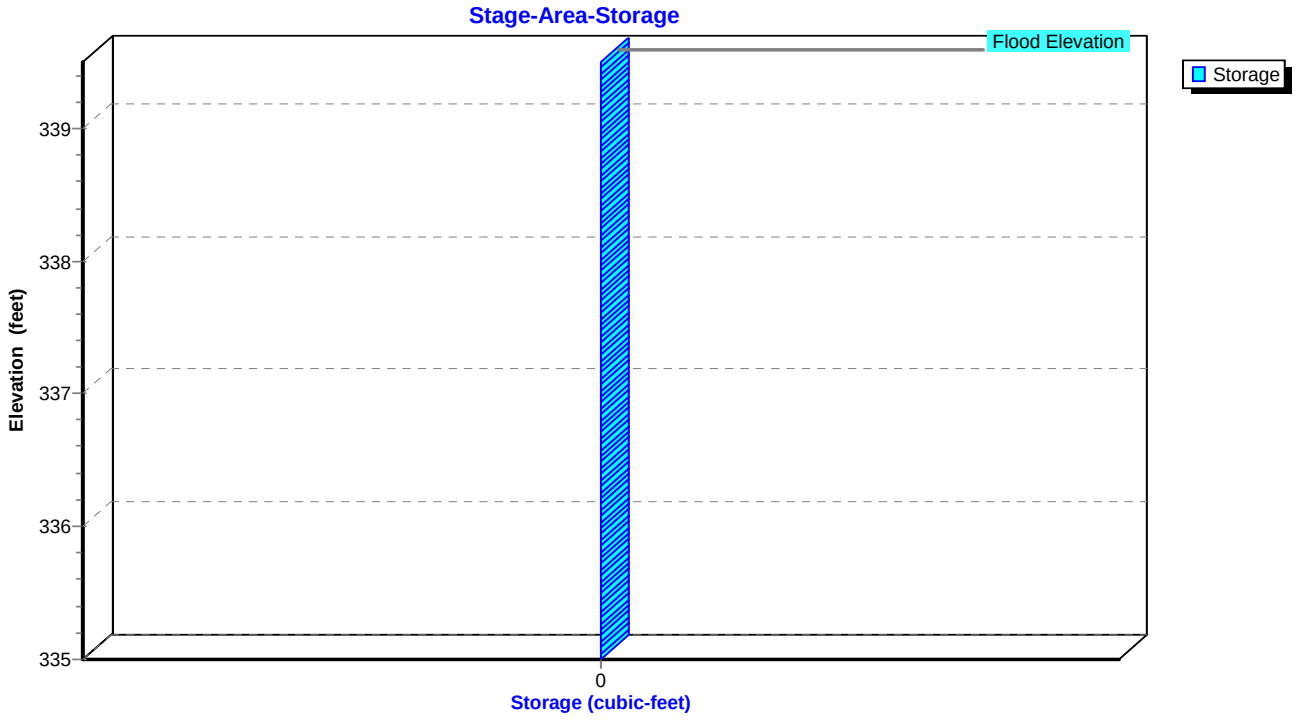
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.01	0.00
7.50	0.01	335.03	0.01
8.00	0.03	335.07	0.03
8.50	0.08	335.11	0.08
9.00	0.16	335.16	0.16
9.50	0.26	335.20	0.26
10.00	0.39	335.25	0.39
10.50	0.57	335.30	0.57
11.00	0.83	335.37	0.83
11.50	1.39	335.48	1.39
12.00	**6.26**	**336.09**	**6.26**
12.50	**9.81**	**336.43**	**9.81**
13.00	3.05	335.73	3.05
13.50	1.89	335.57	1.89
14.00	1.54	335.51	1.54
14.50	1.30	335.47	1.30
15.00	1.14	335.44	1.14
15.50	0.98	335.40	0.98
16.00	0.83	335.37	0.83
16.50	0.71	335.34	0.71
17.00	0.64	335.32	0.64
17.50	0.57	335.30	0.57
18.00	0.50	335.28	0.50
18.50	0.45	335.27	0.45
19.00	0.43	335.26	0.43
19.50	0.41	335.26	0.41
20.00	0.39	335.25	0.39
20.50	0.37	335.24	0.37
21.00	0.35	335.24	0.35
21.50	0.34	335.23	0.34
22.00	0.32	335.23	0.32
22.50	0.30	335.22	0.30
23.00	0.29	335.22	0.29
23.50	0.27	335.21	0.27
24.00	0.26	335.20	0.26

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

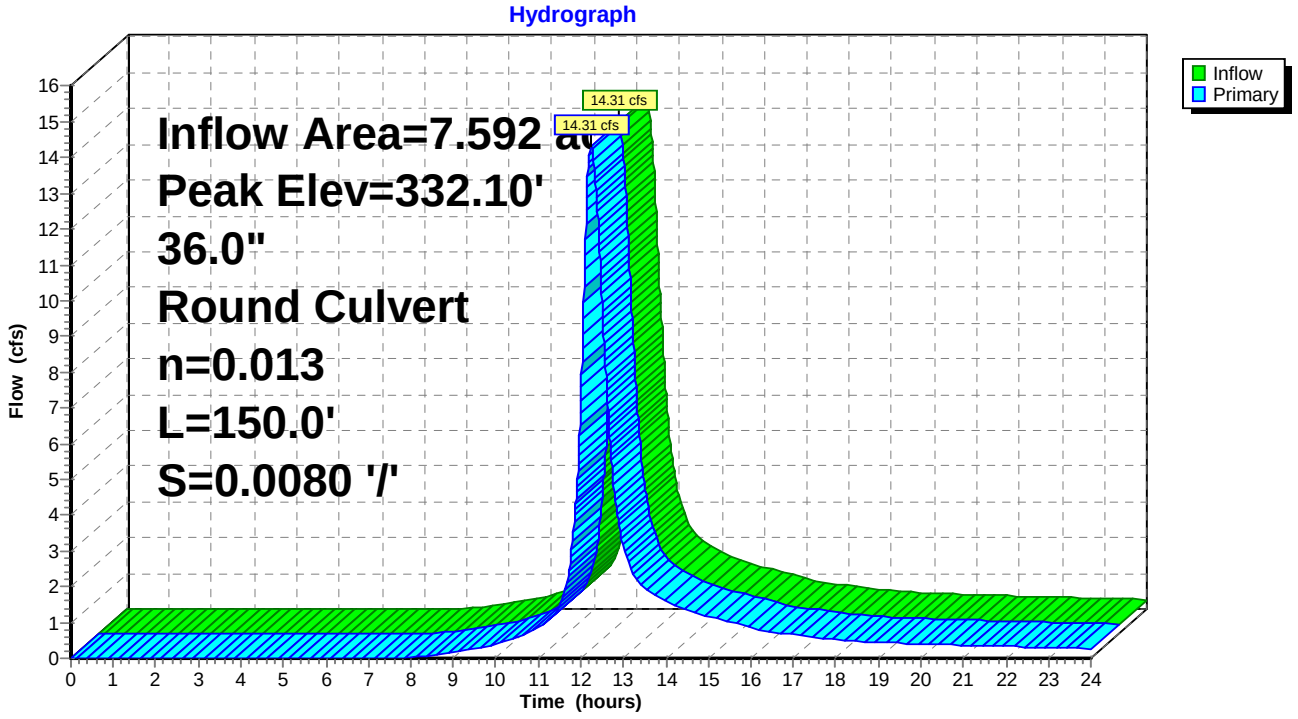
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 2.61" for 5-Year event
Inflow = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af
Outflow = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af, Atten= 0%, Lag= 0.0 min
Primary = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.10' @ 12.23 hrs
Flood Elev= 335.00'

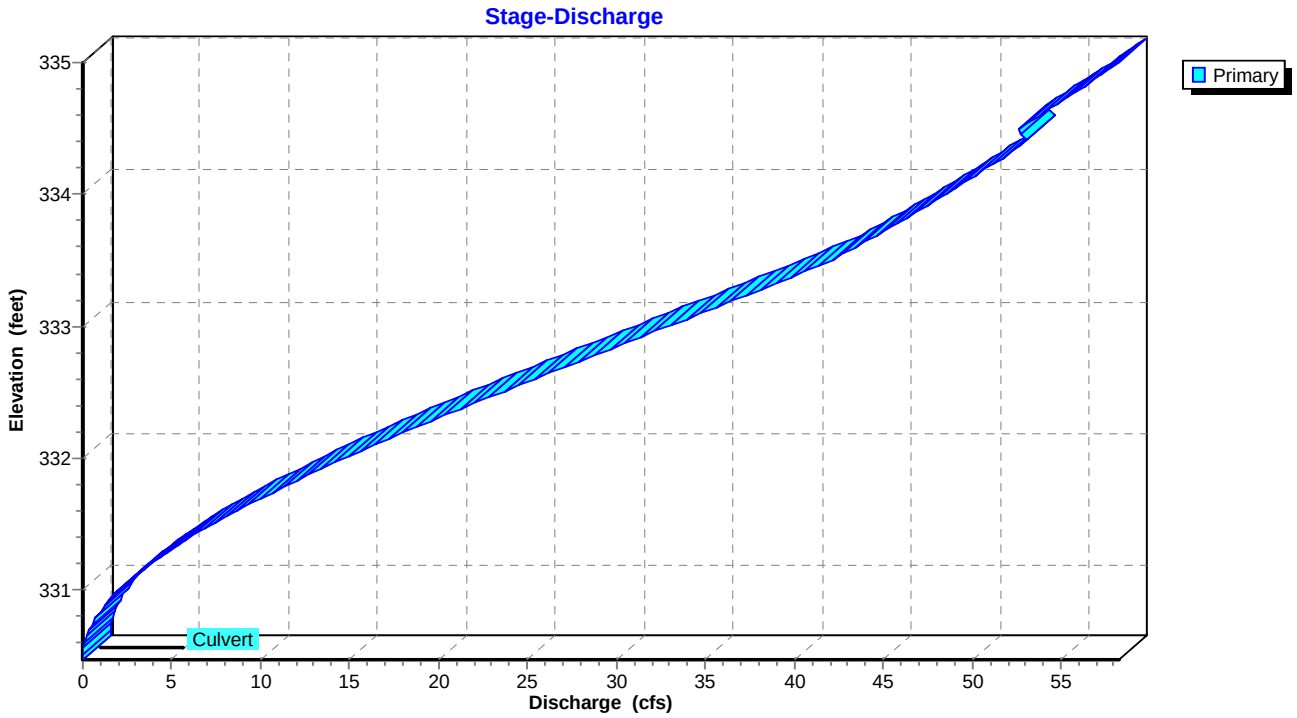
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.34 cfs @ 12.24 hrs HW=332.09' TW=330.85' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.34 cfs @ 5.32 fps)

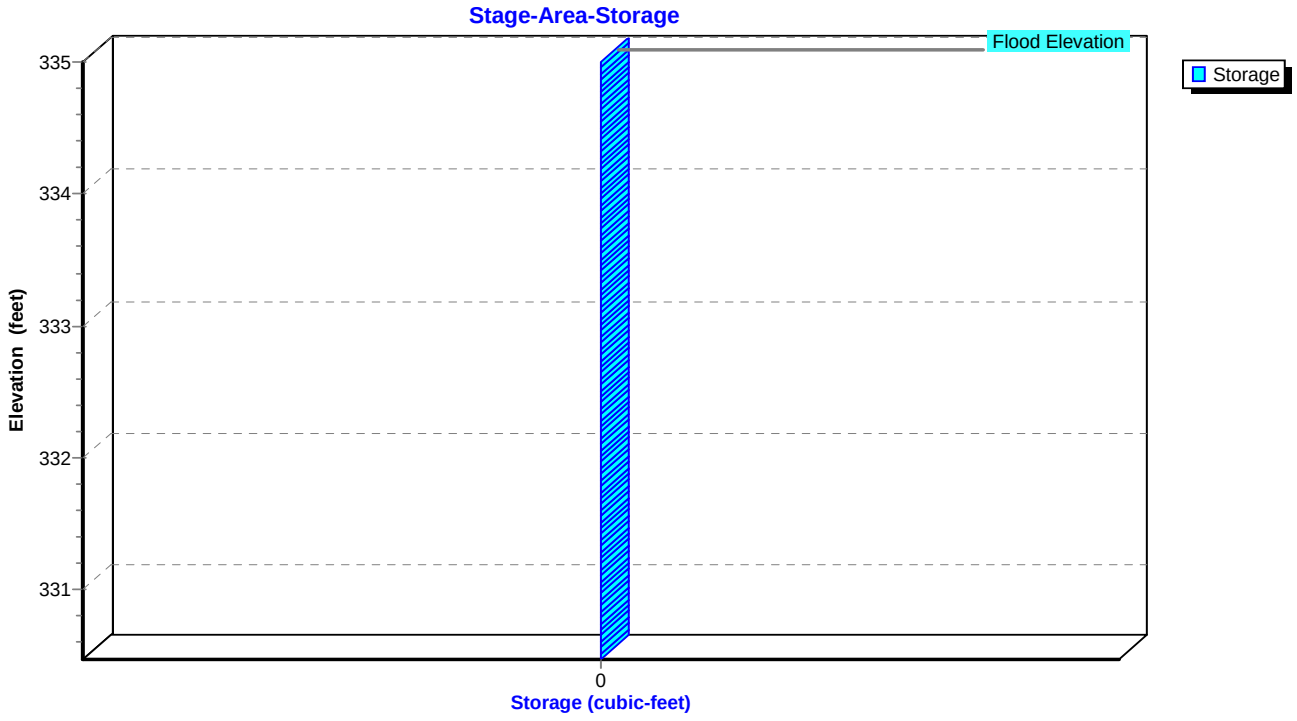
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.48	0.00
7.50	0.01	330.50	0.01
8.00	0.03	330.54	0.03
8.50	0.08	330.58	0.08
9.00	0.16	330.62	0.16
9.50	0.27	330.67	0.27
10.00	0.40	330.71	0.40
10.50	0.59	330.76	0.59
11.00	0.86	330.81	0.86
11.50	1.46	330.92	1.46
12.00	**7.20**	**331.52**	**7.20**
12.50	**9.95**	**331.75**	**9.95**
13.00	3.13	331.13	3.13
13.50	1.96	330.99	1.96
14.00	1.59	330.94	1.59
14.50	1.34	330.90	1.34
15.00	1.18	330.87	1.18
15.50	1.02	330.84	1.02
16.00	0.86	330.81	0.86
16.50	0.74	330.79	0.74
17.00	0.66	330.77	0.66
17.50	0.59	330.76	0.59
18.00	0.52	330.74	0.52
18.50	0.47	330.73	0.47
19.00	0.44	330.72	0.44
19.50	0.42	330.71	0.42
20.00	0.40	330.71	0.40
20.50	0.38	330.70	0.38
21.00	0.36	330.70	0.36
21.50	0.35	330.69	0.35
22.00	0.33	330.69	0.33
22.50	0.32	330.68	0.32
23.00	0.30	330.68	0.30
23.50	0.28	330.67	0.28
24.00	0.27	330.67	0.27

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

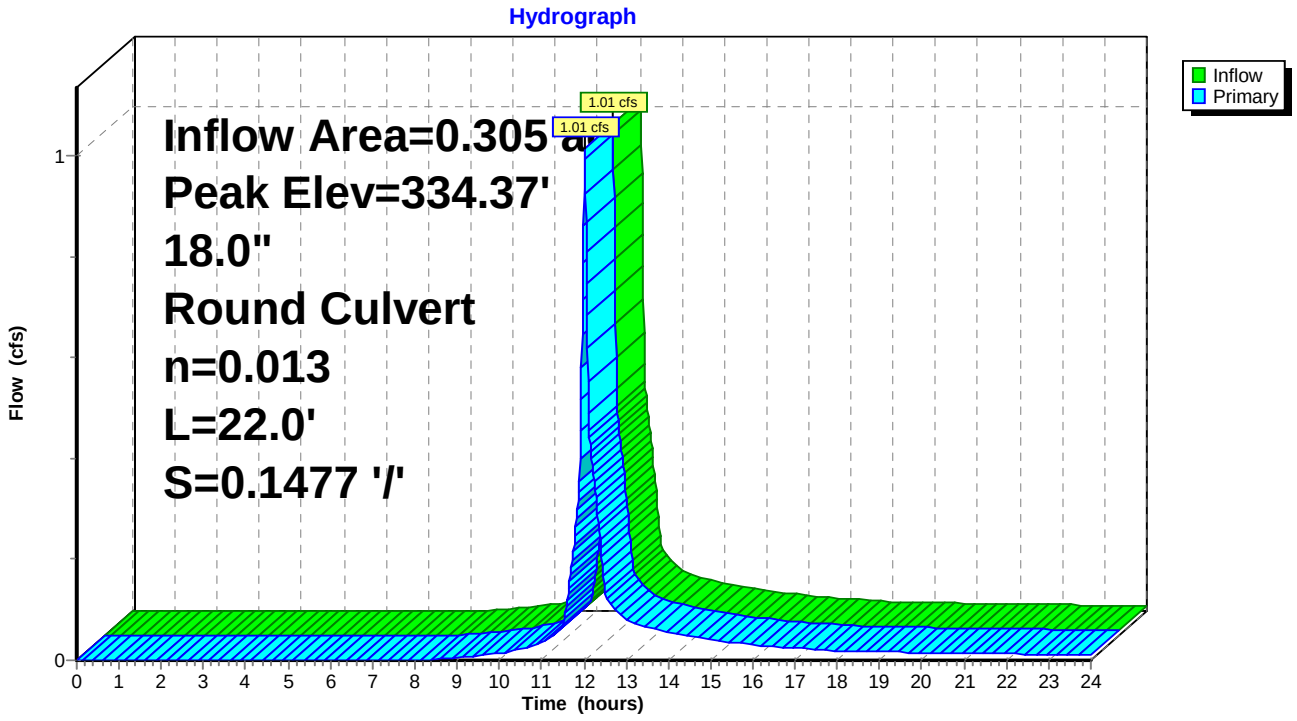
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.38" for 5-Year event
Inflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af
Outflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.37' @ 12.02 hrs
Flood Elev= 336.50'

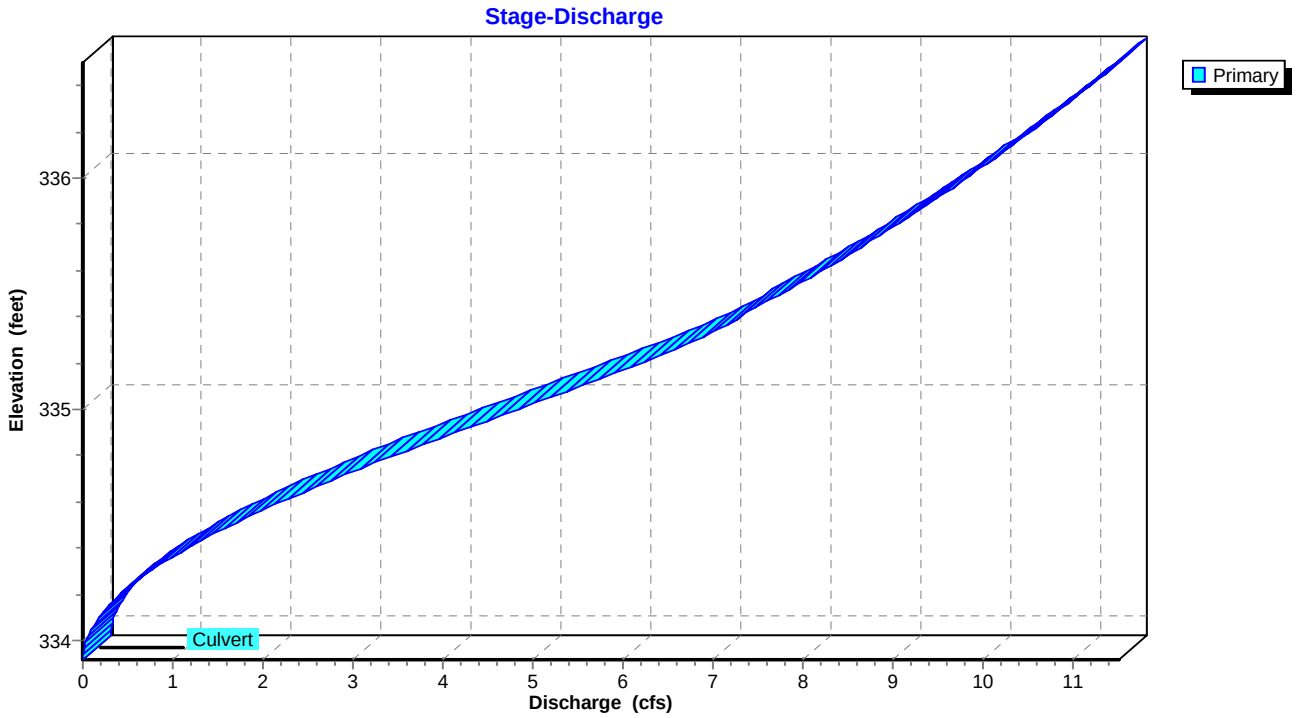
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.01 cfs @ 12.02 hrs HW=334.37' TW=331.57' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.01 cfs @ 2.28 fps)

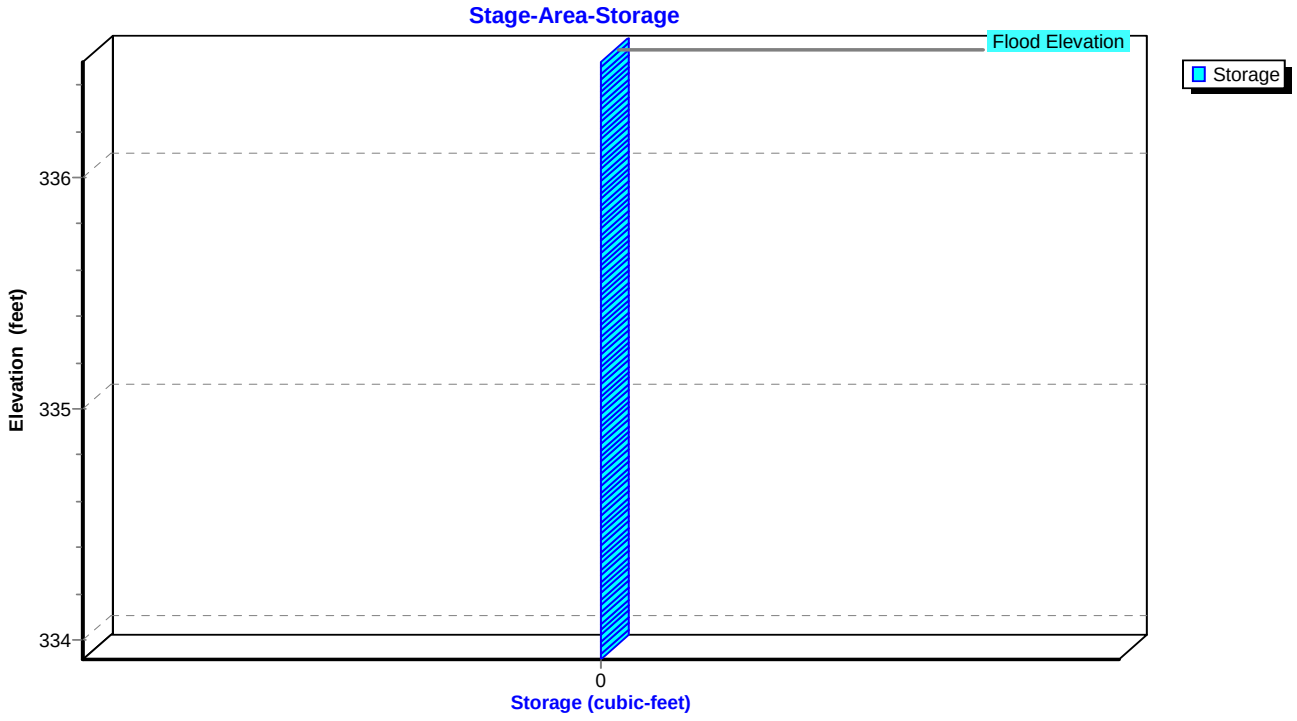
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.94	0.00
9.00	0.00	333.95	0.00
9.50	0.01	333.96	0.01
10.00	0.01	333.97	0.01
10.50	0.02	333.98	0.02
11.00	0.03	334.00	0.03
11.50	0.07	334.03	0.07
12.00	**0.93**	**334.35**	**0.93**
12.50	**0.14**	**334.08**	**0.14**
13.00	0.08	334.04	0.08
13.50	0.07	334.03	0.07
14.00	0.05	334.02	0.05
14.50	0.05	334.01	0.05
15.00	0.04	334.01	0.04
15.50	0.04	334.00	0.04
16.00	0.03	333.99	0.03
16.50	0.03	333.99	0.03
17.00	0.02	333.99	0.02
17.50	0.02	333.98	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.97	0.02
19.50	0.02	333.97	0.02
20.00	0.01	333.97	0.01
20.50	0.01	333.97	0.01
21.00	0.01	333.97	0.01
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.96	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

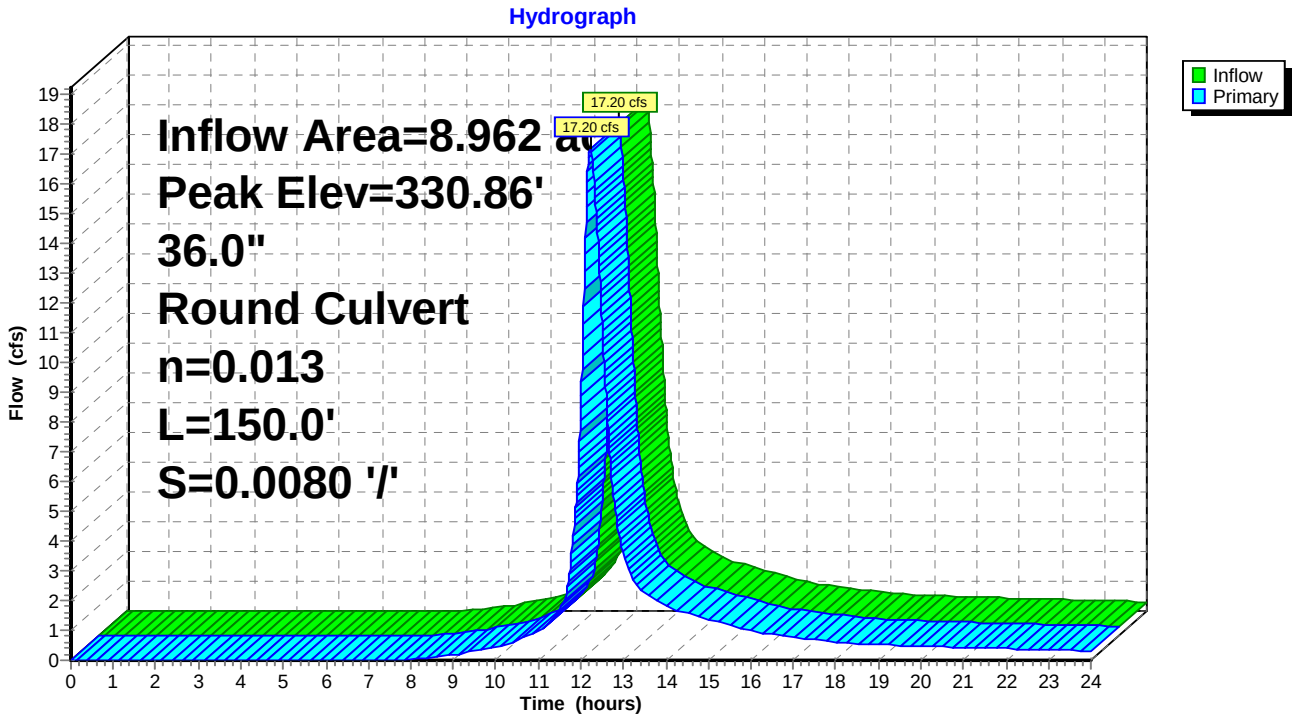
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 2.58" for 5-Year event
Inflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af
Outflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af, Atten= 0%, Lag= 0.0 min
Primary = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.86' @ 12.21 hrs
Flood Elev= 337.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

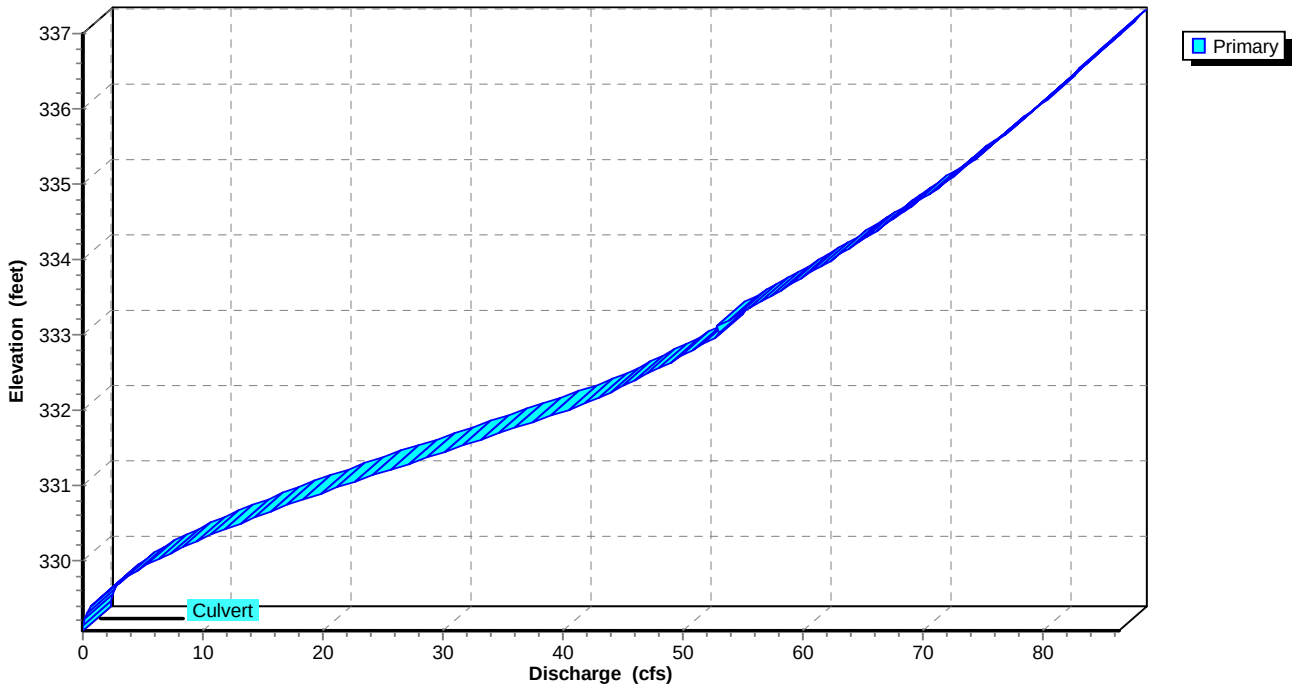
Primary OutFlow Max=17.22 cfs @ 12.22 hrs HW=330.86' TW=329.55' (Dynamic Tailwater)
1=Culvert (Outlet Controls 17.22 cfs @ 5.61 fps)

Pond CB6: Catchbasin



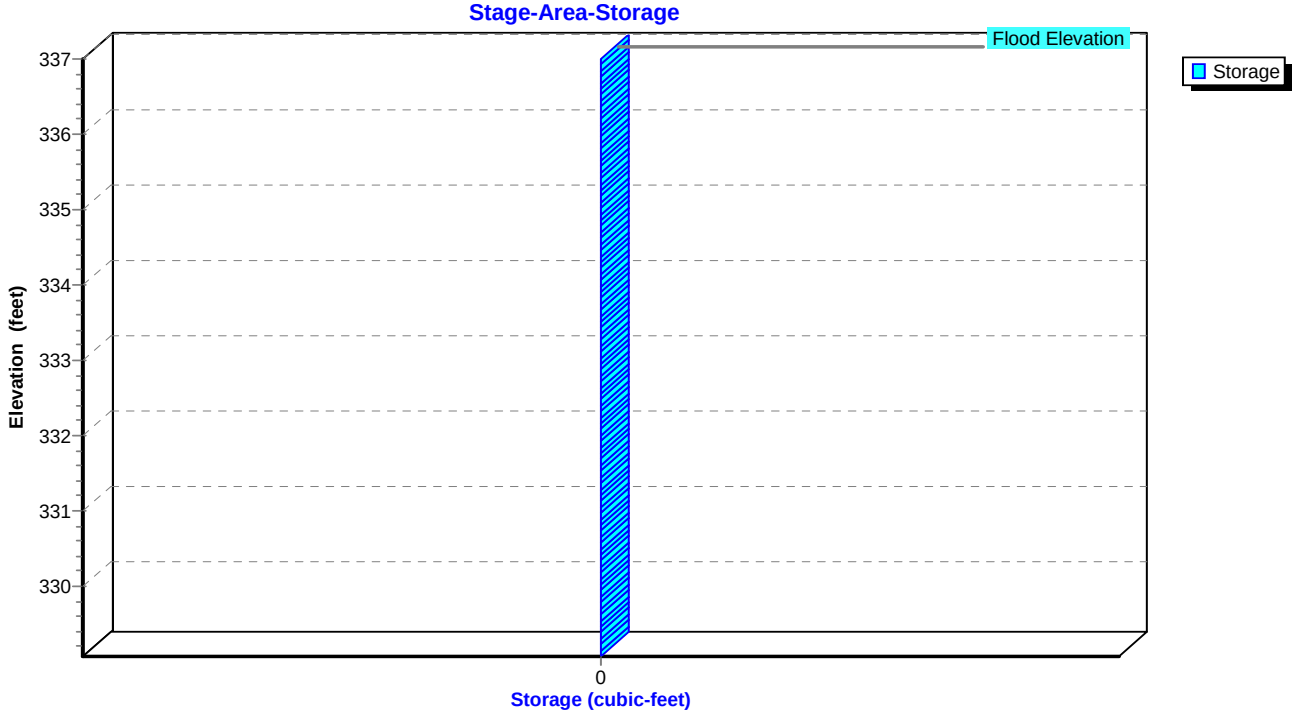
Pond CB6: Catchbasin

Stage-Discharge



Pond CB6: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.08	0.00
7.50	0.01	329.10	0.01
8.00	0.03	329.14	0.03
8.50	0.08	329.18	0.08
9.00	0.17	329.23	0.17
9.50	0.30	329.28	0.30
10.00	0.45	329.32	0.45
10.50	0.67	329.37	0.67
11.00	0.99	329.44	0.99
11.50	1.69	329.55	1.69
12.00	**8.47**	**330.22**	**8.47**
12.50	**11.34**	**330.44**	**11.34**
13.00	3.56	329.77	3.56
13.50	2.28	329.63	2.28
14.00	1.86	329.57	1.86
14.50	1.57	329.53	1.57
15.00	1.38	329.50	1.38
15.50	1.19	329.47	1.19
16.00	1.00	329.44	1.00
16.50	0.86	329.41	0.86
17.00	0.77	329.40	0.77
17.50	0.69	329.38	0.69
18.00	0.60	329.36	0.60
18.50	0.55	329.35	0.55
19.00	0.52	329.34	0.52
19.50	0.49	329.33	0.49
20.00	0.47	329.33	0.47
20.50	0.45	329.32	0.45
21.00	0.43	329.32	0.43
21.50	0.41	329.31	0.41
22.00	0.39	329.30	0.39
22.50	0.37	329.30	0.37
23.00	0.35	329.29	0.35
23.50	0.33	329.29	0.33
24.00	0.31	329.28	0.31

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

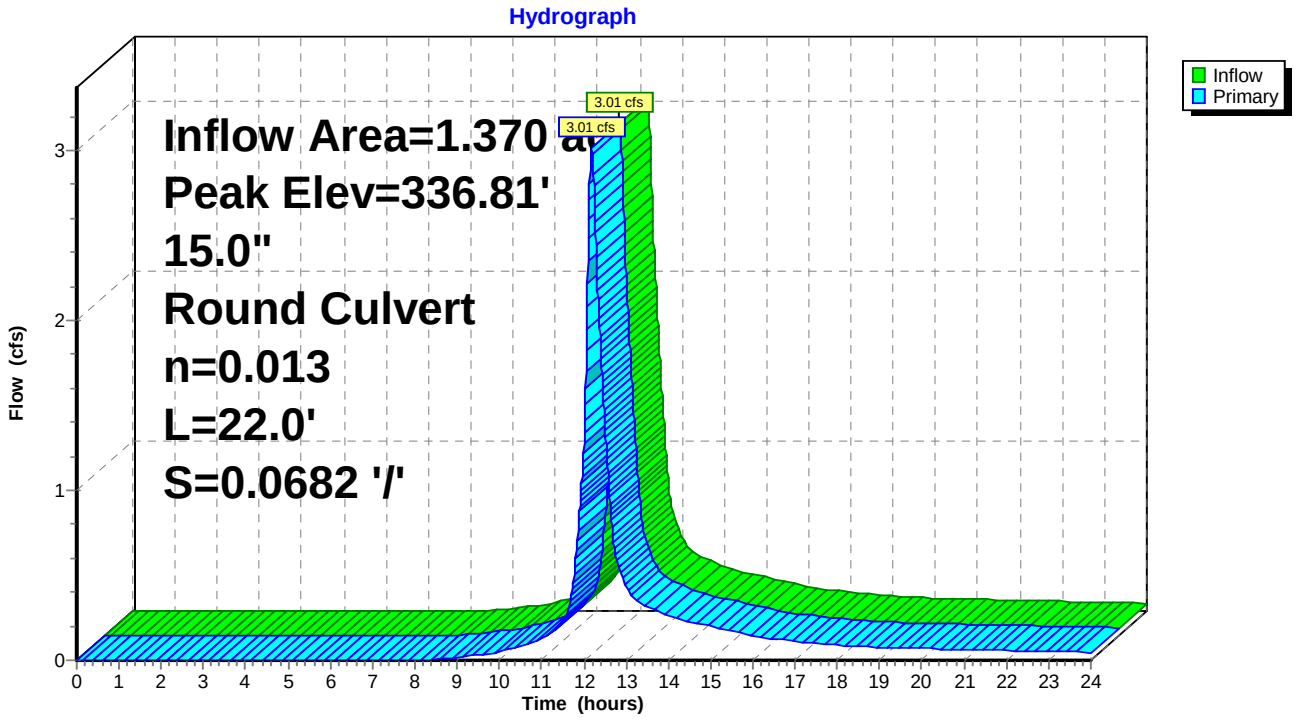
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af
Outflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.81' @ 12.19 hrs
Flood Elev= 338.50'

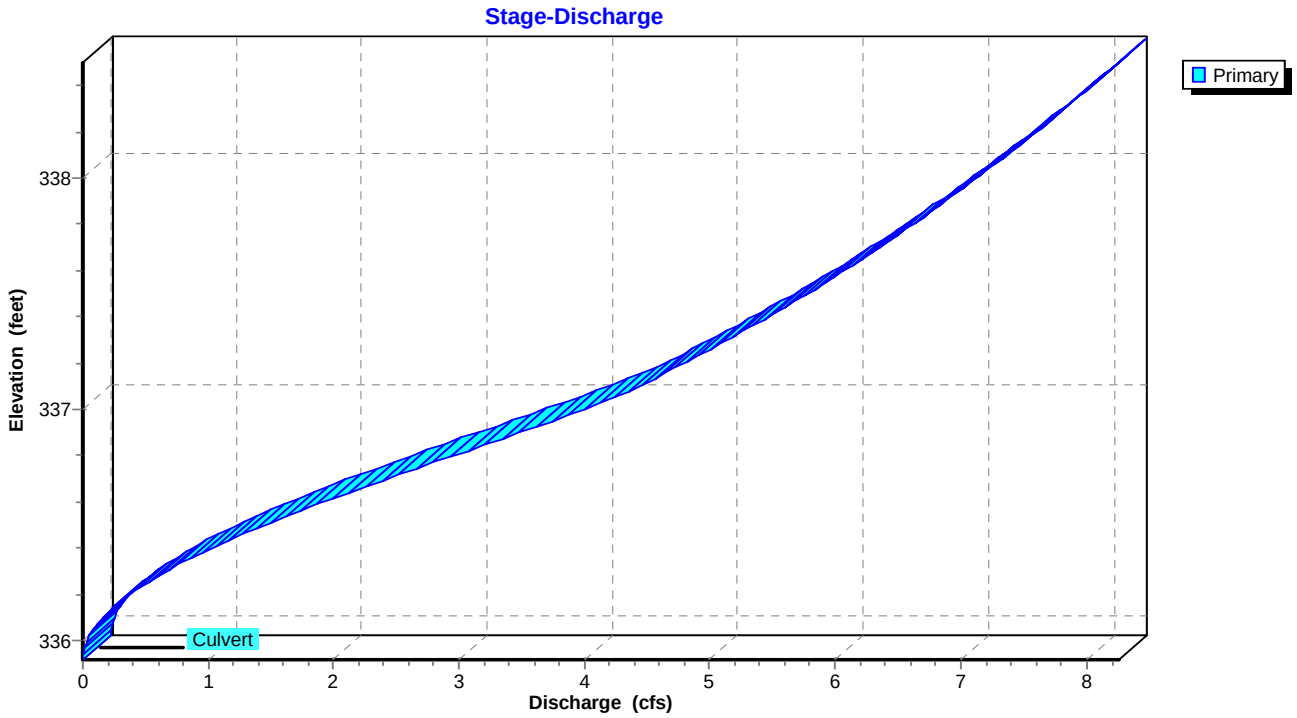
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.01 cfs @ 12.19 hrs HW=336.81' TW=330.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.01 cfs @ 3.21 fps)

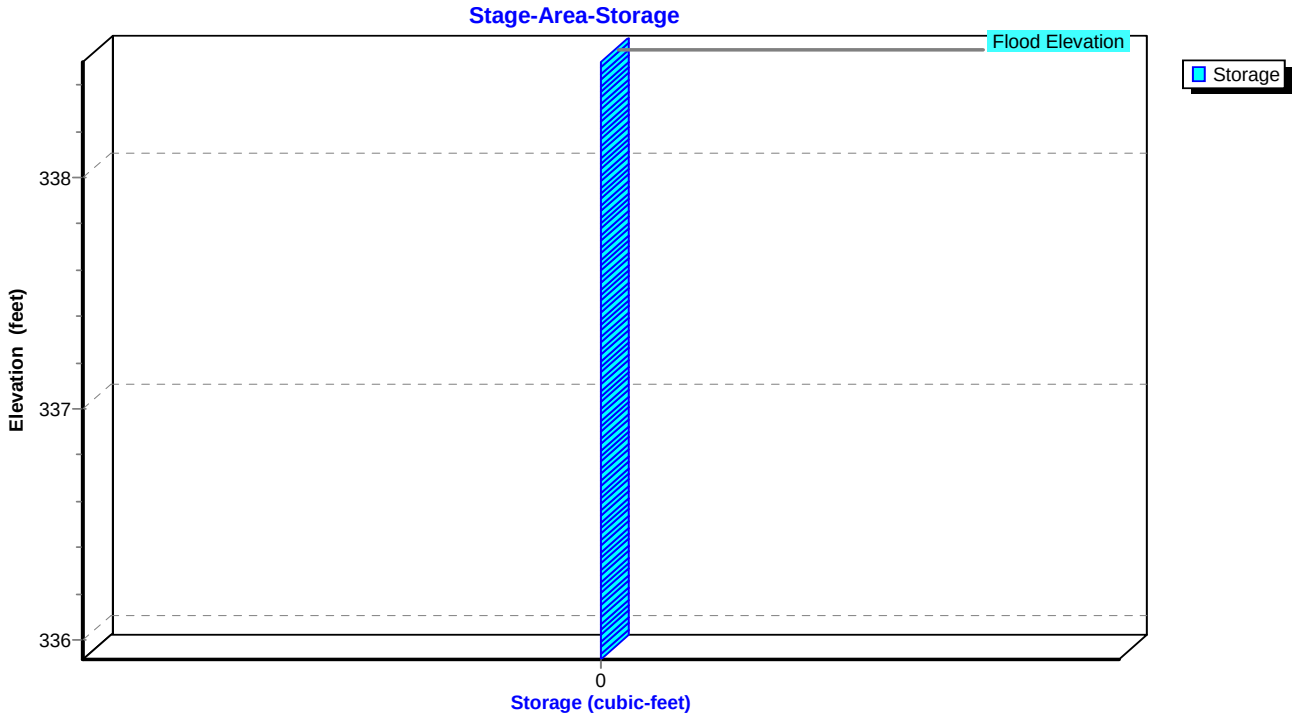
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.94	0.00
9.00	0.01	335.97	0.01
9.50	0.03	336.00	0.03
10.00	0.05	336.02	0.05
10.50	0.08	336.05	0.08
11.00	0.13	336.08	0.13
11.50	0.23	336.14	0.23
12.00	**1.28**	**336.46**	**1.28**
12.50	**1.39**	**336.49**	**1.39**
13.00	0.44	336.23	0.44
13.50	0.32	336.18	0.32
14.00	0.26	336.15	0.26
14.50	0.22	336.14	0.22
15.00	0.20	336.12	0.20
15.50	0.17	336.11	0.17
16.00	0.14	336.09	0.14
16.50	0.12	336.08	0.12
17.00	0.11	336.07	0.11
17.50	0.10	336.06	0.10
18.00	0.09	336.05	0.09
18.50	0.08	336.05	0.08
19.00	0.08	336.04	0.08
19.50	0.07	336.04	0.07
20.00	0.07	336.04	0.07
20.50	0.07	336.04	0.07
21.00	0.06	336.03	0.06
21.50	0.06	336.03	0.06
22.00	0.06	336.03	0.06
22.50	0.05	336.02	0.05
23.00	0.05	336.02	0.05
23.50	0.05	336.02	0.05
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

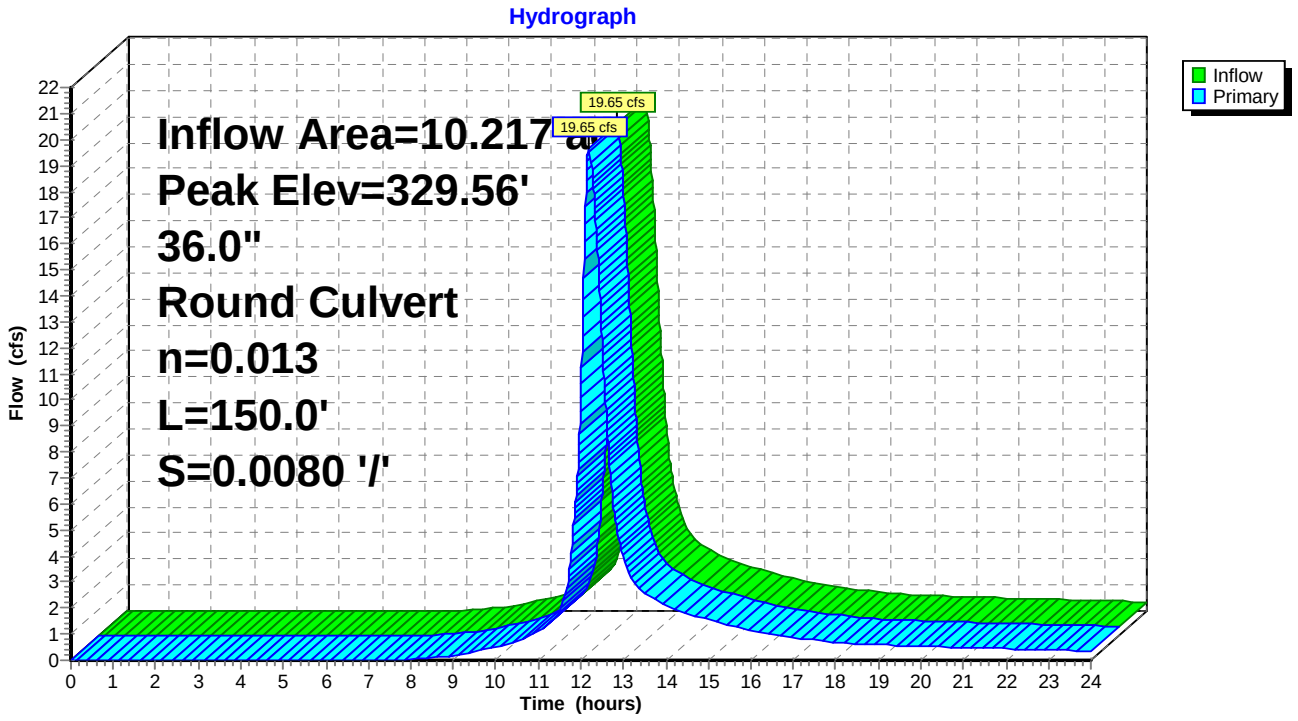
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af
Outflow = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af, Atten= 0%, Lag= 0.0 min
Primary = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.56' @ 12.19 hrs
Flood Elev= 335.75'

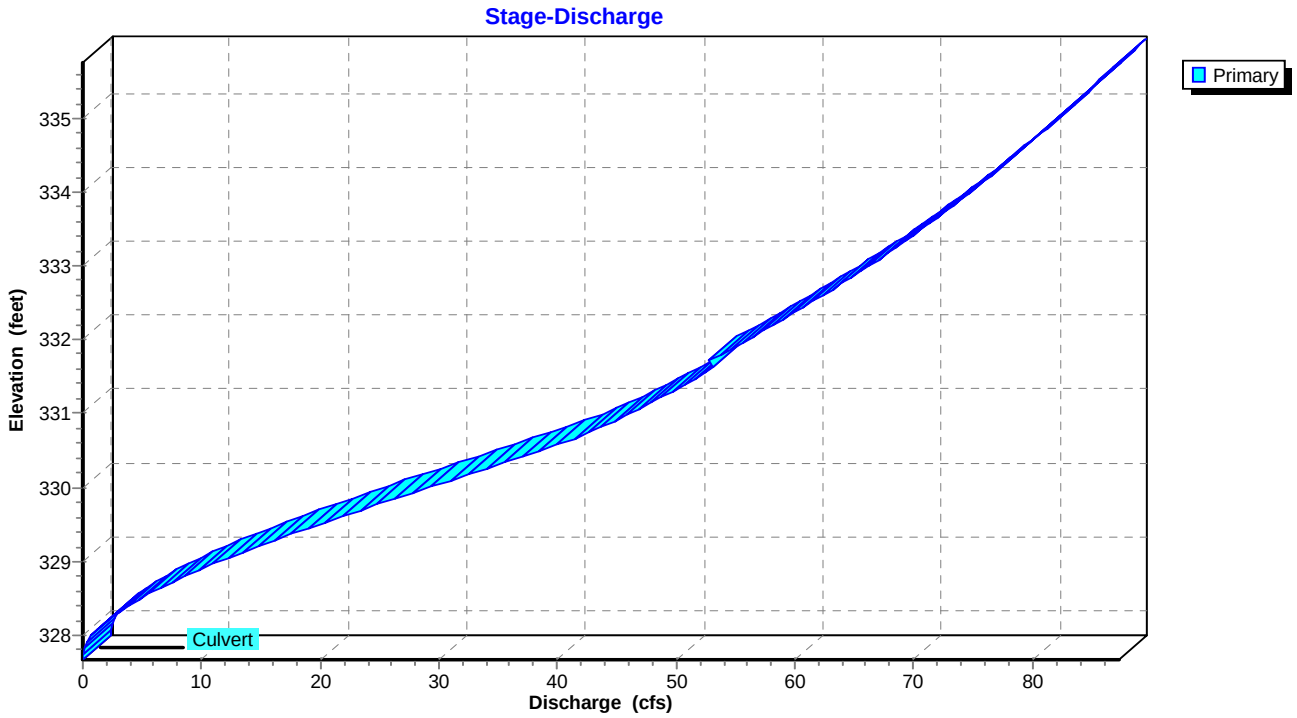
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.64 cfs @ 12.19 hrs HW=329.55' TW=328.08' (Dynamic Tailwater)
1=Culvert (Outlet Controls 19.64 cfs @ 6.00 fps)

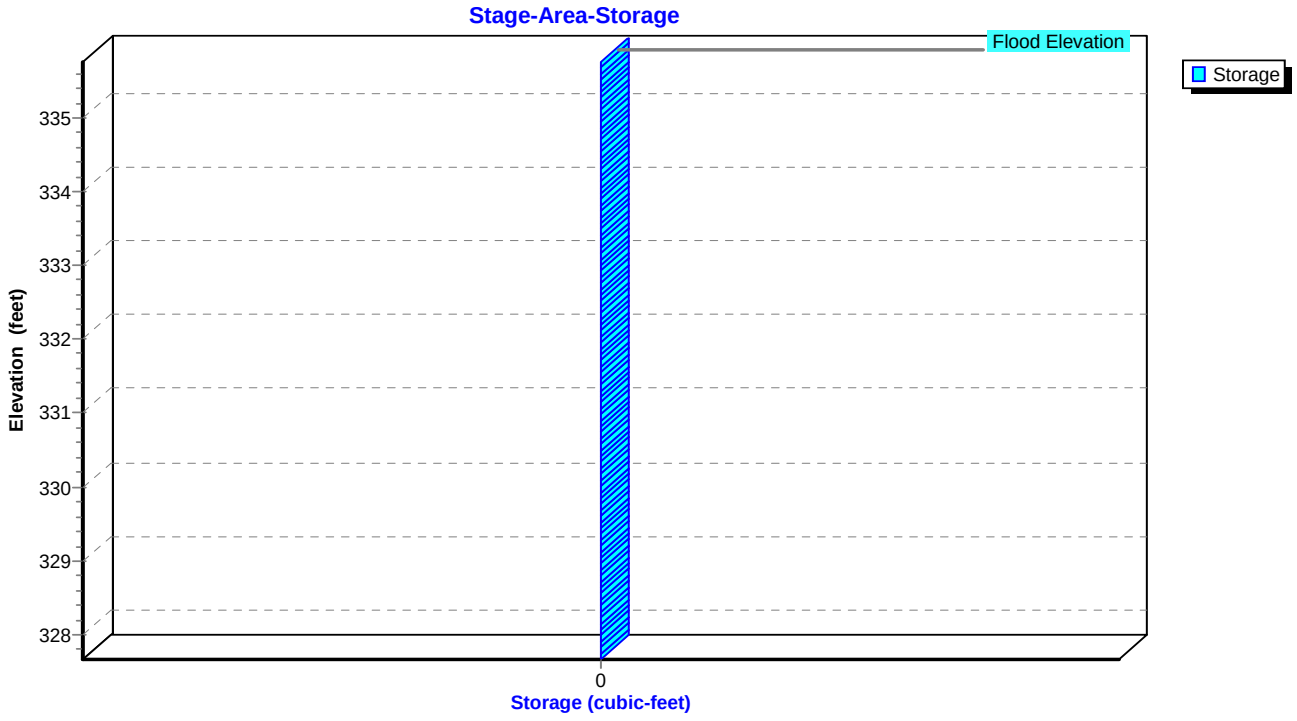
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.68	0.00
7.50	0.01	327.70	0.01
8.00	0.03	327.74	0.03
8.50	0.09	327.79	0.09
9.00	0.19	327.84	0.19
9.50	0.33	327.89	0.33
10.00	0.50	327.93	0.50
10.50	0.75	327.99	0.75
11.00	1.12	328.06	1.12
11.50	1.93	328.18	1.93
12.00	**10.07**	**328.93**	**10.07**
12.50	**12.32**	**329.08**	**12.32**
13.00	3.93	328.41	3.93
13.50	2.56	328.26	2.56
14.00	2.09	328.20	2.09
14.50	1.77	328.16	1.77
15.00	1.56	328.13	1.56
15.50	1.34	328.10	1.34
16.00	1.13	328.06	1.13
16.50	0.97	328.03	0.97
17.00	0.87	328.02	0.87
17.50	0.78	328.00	0.78
18.00	0.68	327.98	0.68
18.50	0.62	327.96	0.62
19.00	0.59	327.96	0.59
19.50	0.56	327.95	0.56
20.00	0.53	327.94	0.53
20.50	0.51	327.94	0.51
21.00	0.48	327.93	0.48
21.50	0.46	327.92	0.46
22.00	0.44	327.92	0.44
22.50	0.42	327.91	0.42
23.00	0.40	327.91	0.40
23.50	0.37	327.90	0.37
24.00	0.35	327.89	0.35

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

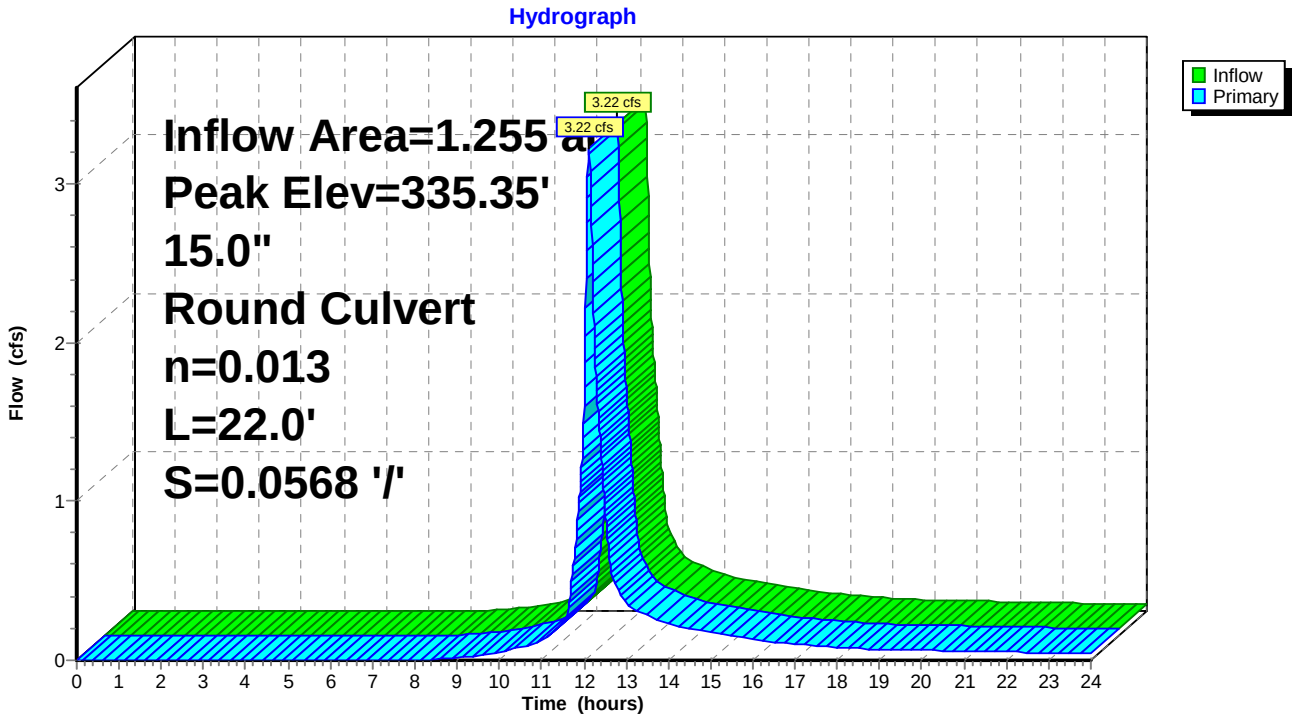
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af
Outflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min
Primary = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.35' @ 12.12 hrs
Flood Elev= 337.00'

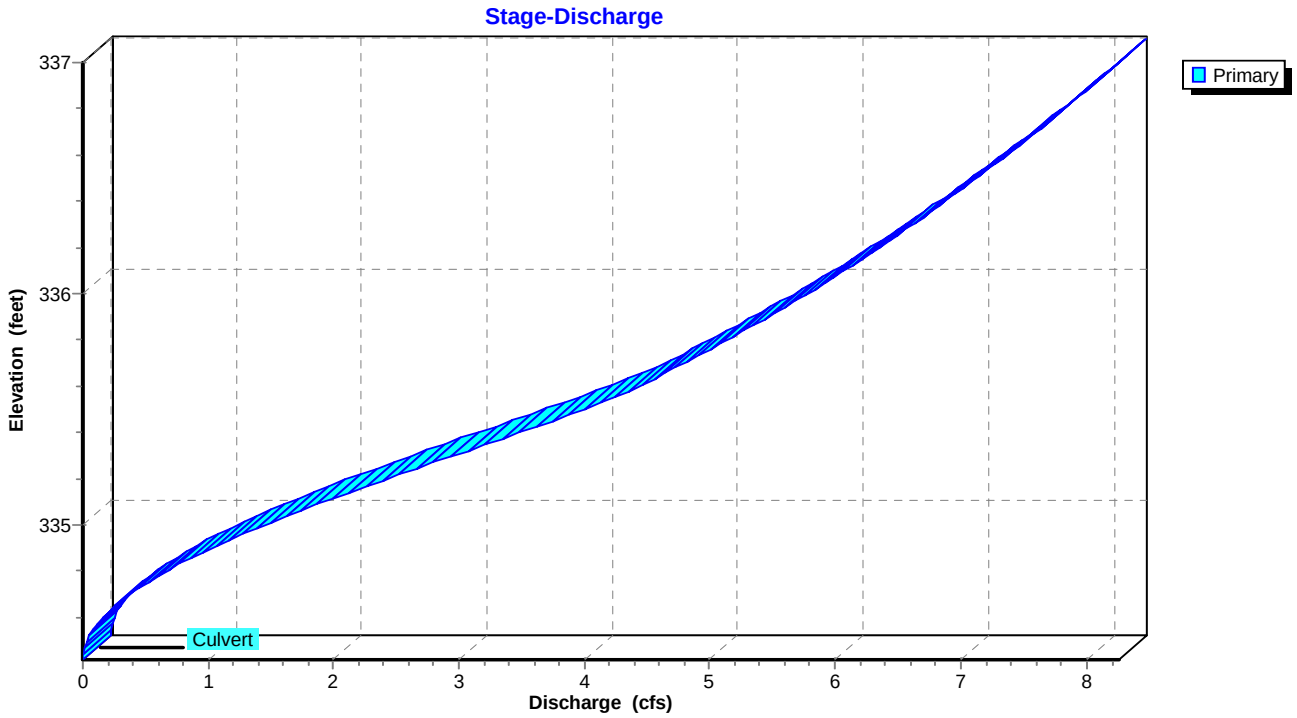
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.22 cfs @ 12.12 hrs HW=335.35' TW=329.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.22 cfs @ 3.28 fps)

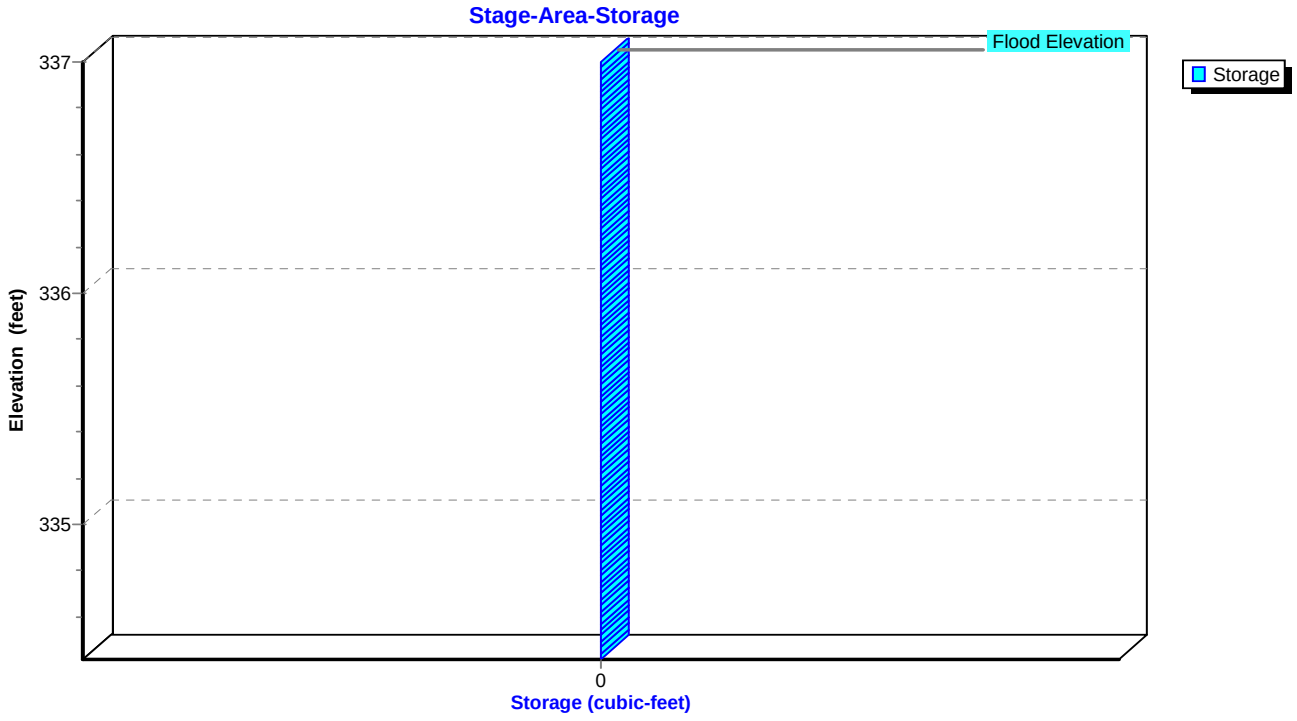
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.45	0.00
9.00	0.02	334.47	0.02
9.50	0.03	334.50	0.03
10.00	0.05	334.52	0.05
10.50	0.08	334.55	0.08
11.00	0.13	334.58	0.13
11.50	0.24	334.64	0.24
12.00	**1.60**	**335.03**	**1.60**
12.50	**0.98**	**334.89**	**0.98**
13.00	0.37	334.70	0.37
13.50	0.28	334.66	0.28
14.00	0.23	334.64	0.23
14.50	0.20	334.62	0.20
15.00	0.18	334.61	0.18
15.50	0.15	334.60	0.15
16.00	0.13	334.58	0.13
16.50	0.11	334.57	0.11
17.00	0.10	334.56	0.10
17.50	0.09	334.55	0.09
18.00	0.08	334.55	0.08
18.50	0.07	334.54	0.07
19.00	0.07	334.54	0.07
19.50	0.07	334.54	0.07
20.00	0.06	334.53	0.06
20.50	0.06	334.53	0.06
21.00	0.06	334.53	0.06
21.50	0.05	334.52	0.05
22.00	0.05	334.52	0.05
22.50	0.05	334.52	0.05
23.00	0.05	334.52	0.05
23.50	0.04	334.51	0.04
24.00	0.04	334.51	0.04

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

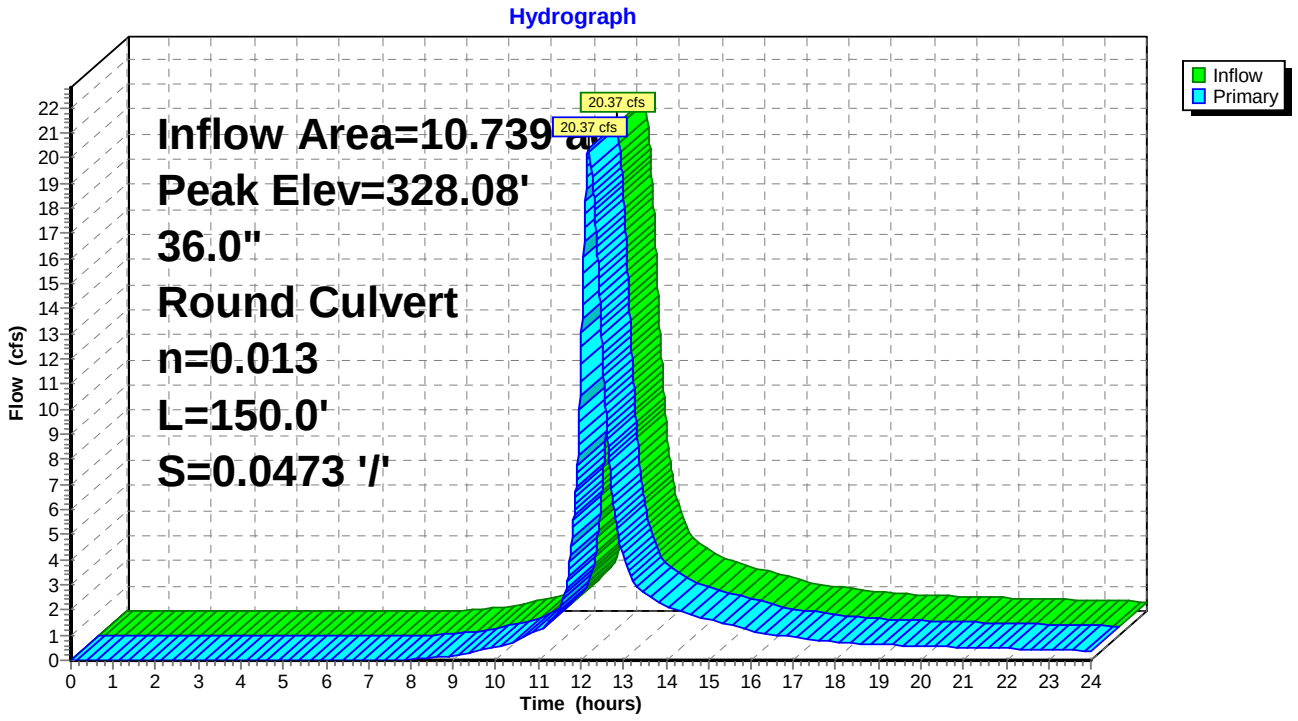
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af
Outflow = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af, Atten= 0%, Lag= 0.0 min
Primary = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.08' @ 12.19 hrs
Flood Elev= 332.25'

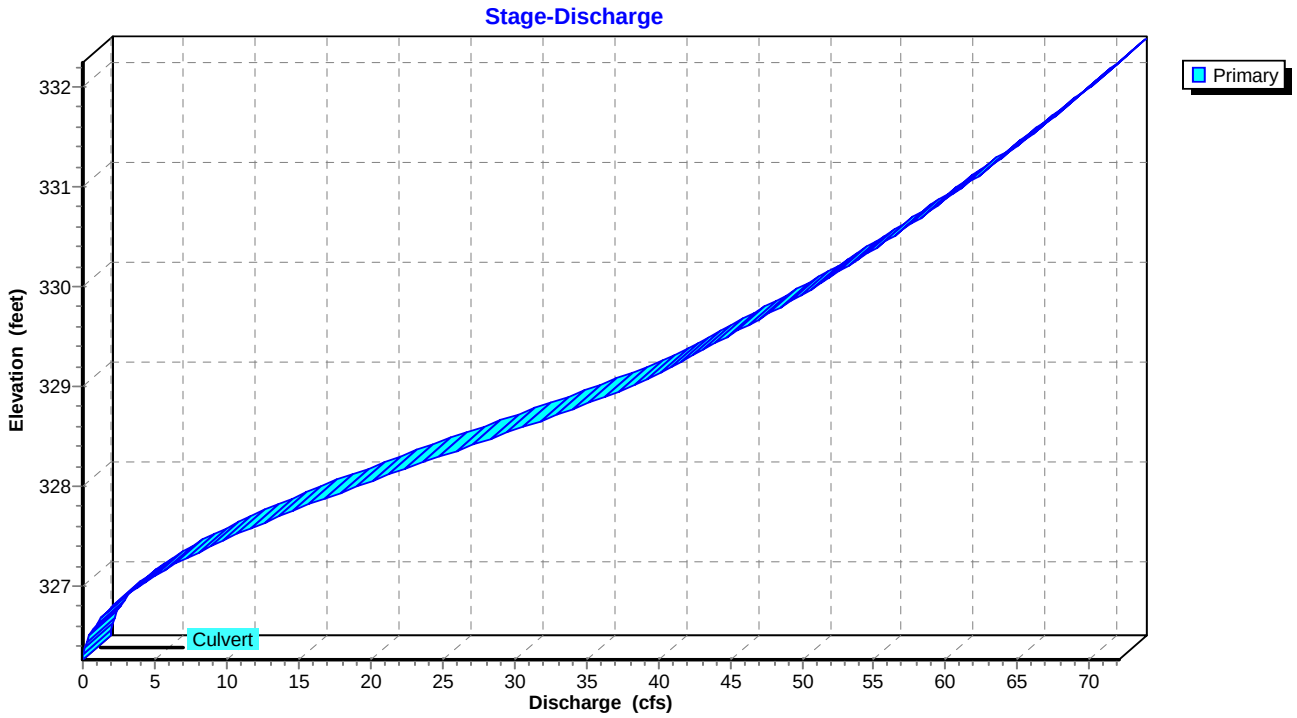
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.36 cfs @ 12.19 hrs HW=328.08' TW=320.86' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 20.36 cfs @ 4.58 fps)

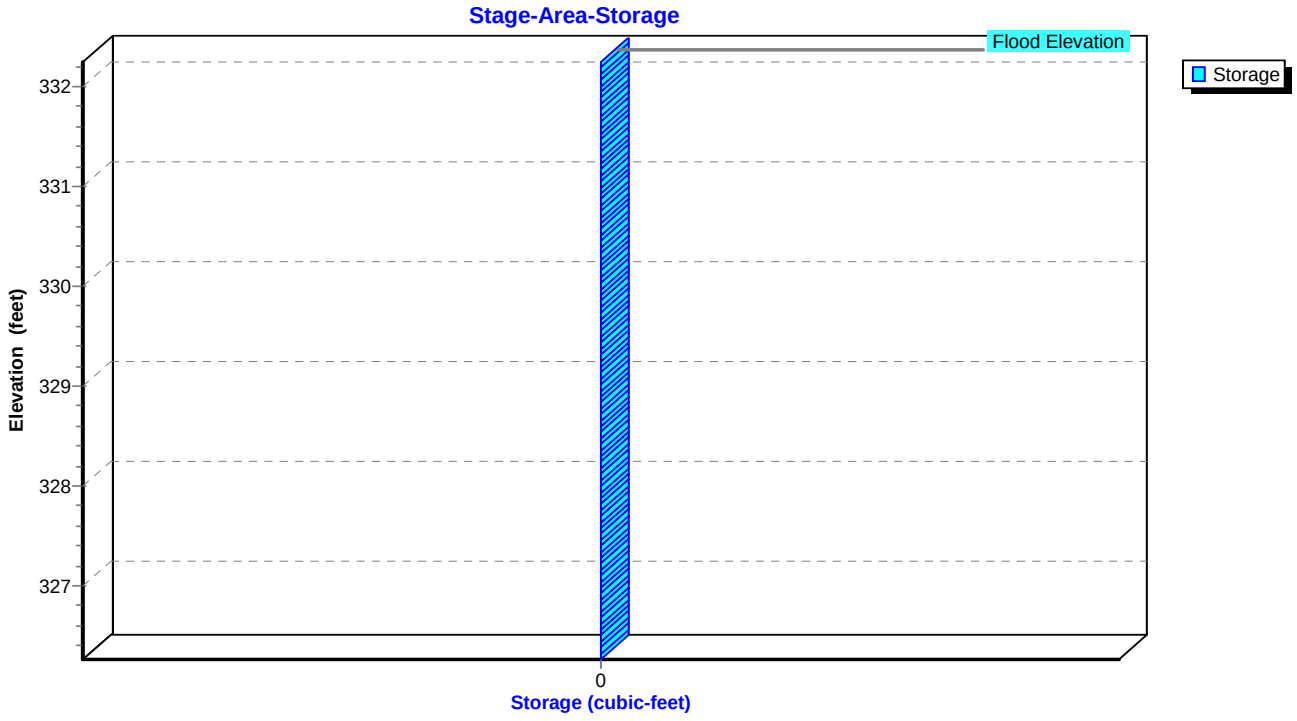
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.28	0.00
7.50	0.01	326.30	0.01
8.00	0.03	326.33	0.03
8.50	0.09	326.38	0.09
9.00	0.20	326.43	0.20
9.50	0.35	326.48	0.35
10.00	0.53	326.53	0.53
10.50	0.80	326.59	0.80
11.00	1.18	326.67	1.18
11.50	2.06	326.80	2.06
12.00	**11.77**	**327.59**	**11.77**
12.50	**12.56**	**327.64**	**12.56**
13.00	4.07	327.02	4.07
13.50	2.68	326.87	2.68
14.00	2.19	326.81	2.19
14.50	1.86	326.77	1.86
15.00	1.63	326.74	1.63
15.50	1.41	326.70	1.41
16.00	1.18	326.67	1.18
16.50	1.02	326.64	1.02
17.00	0.92	326.62	0.92
17.50	0.81	326.60	0.81
18.00	0.71	326.58	0.71
18.50	0.65	326.56	0.65
19.00	0.62	326.55	0.62
19.50	0.59	326.55	0.59
20.00	0.56	326.54	0.56
20.50	0.53	326.53	0.53
21.00	0.51	326.53	0.51
21.50	0.49	326.52	0.49
22.00	0.46	326.52	0.46
22.50	0.44	326.51	0.44
23.00	0.42	326.50	0.42
23.50	0.39	326.50	0.39
24.00	0.37	326.49	0.37

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

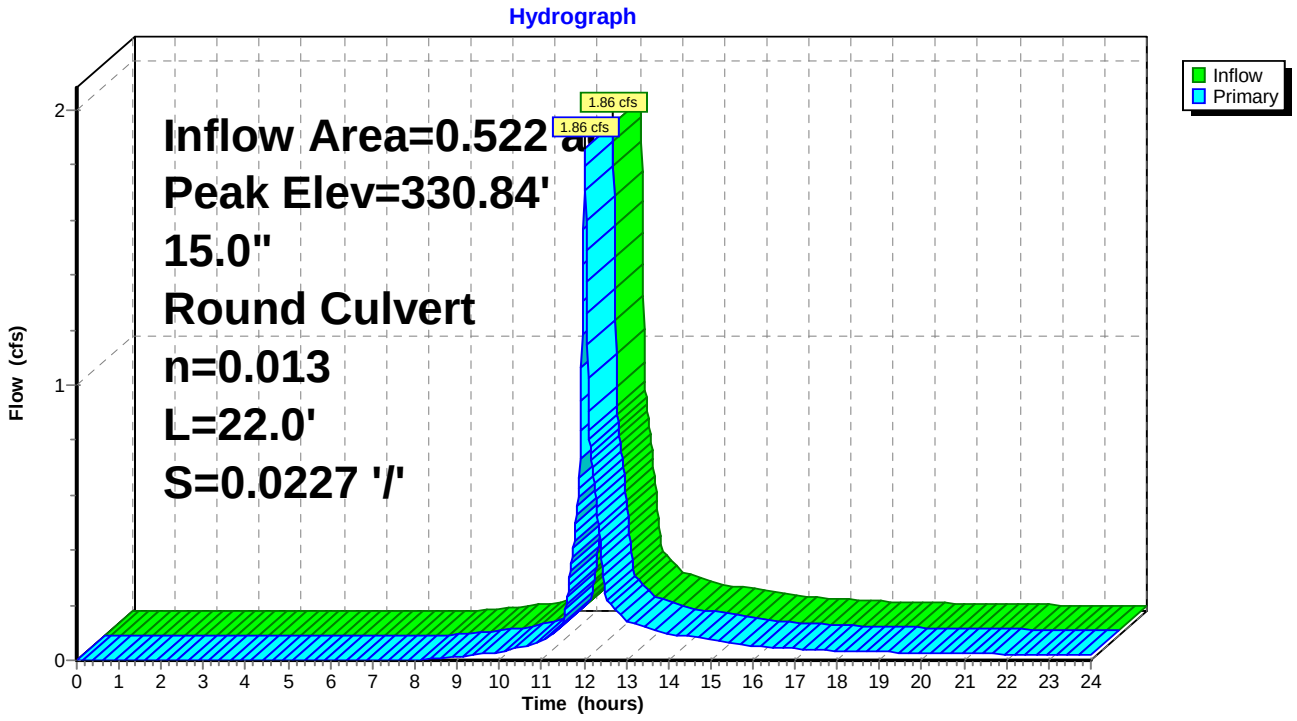
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af
Outflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.84' @ 12.02 hrs
Flood Elev= 332.80'

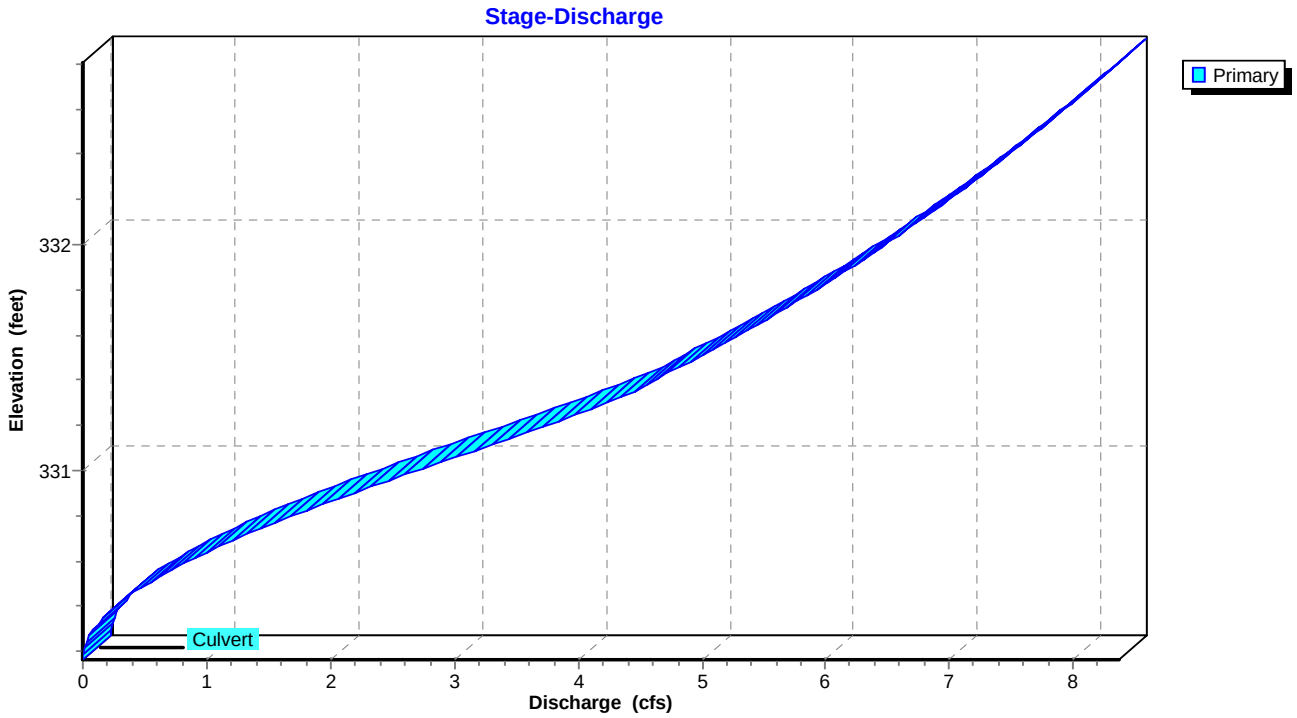
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.85 cfs @ 12.02 hrs HW=330.84' TW=327.67' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.85 cfs @ 2.78 fps)

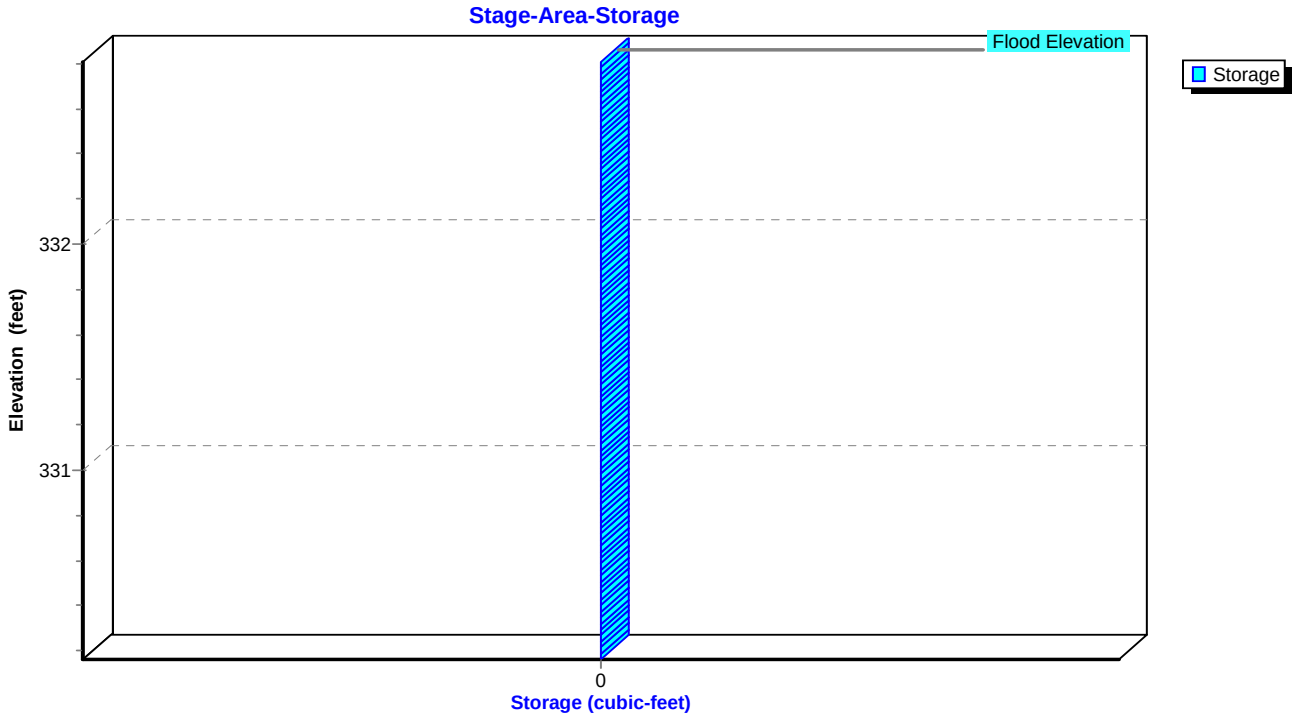
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.19	0.00
8.50	0.01	330.21	0.01
9.00	0.01	330.22	0.01
9.50	0.02	330.23	0.02
10.00	0.03	330.25	0.03
10.50	0.05	330.27	0.05
11.00	0.07	330.29	0.07
11.50	0.13	330.33	0.13
12.00	**1.70**	**330.81**	**1.70**
12.50	**0.25**	**330.40**	**0.25**
13.00	0.14	330.34	0.14
13.50	0.12	330.33	0.12
14.00	0.10	330.31	0.10
14.50	0.09	330.30	0.09
15.00	0.07	330.29	0.07
15.50	0.06	330.28	0.06
16.00	0.05	330.27	0.05
16.50	0.05	330.27	0.05
17.00	0.04	330.26	0.04
17.50	0.04	330.26	0.04
18.00	0.03	330.25	0.03
18.50	0.03	330.25	0.03
19.00	0.03	330.25	0.03
19.50	0.03	330.24	0.03
20.00	0.03	330.24	0.03
20.50	0.03	330.24	0.03
21.00	0.02	330.24	0.02
21.50	0.02	330.24	0.02
22.00	0.02	330.24	0.02
22.50	0.02	330.23	0.02
23.00	0.02	330.23	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

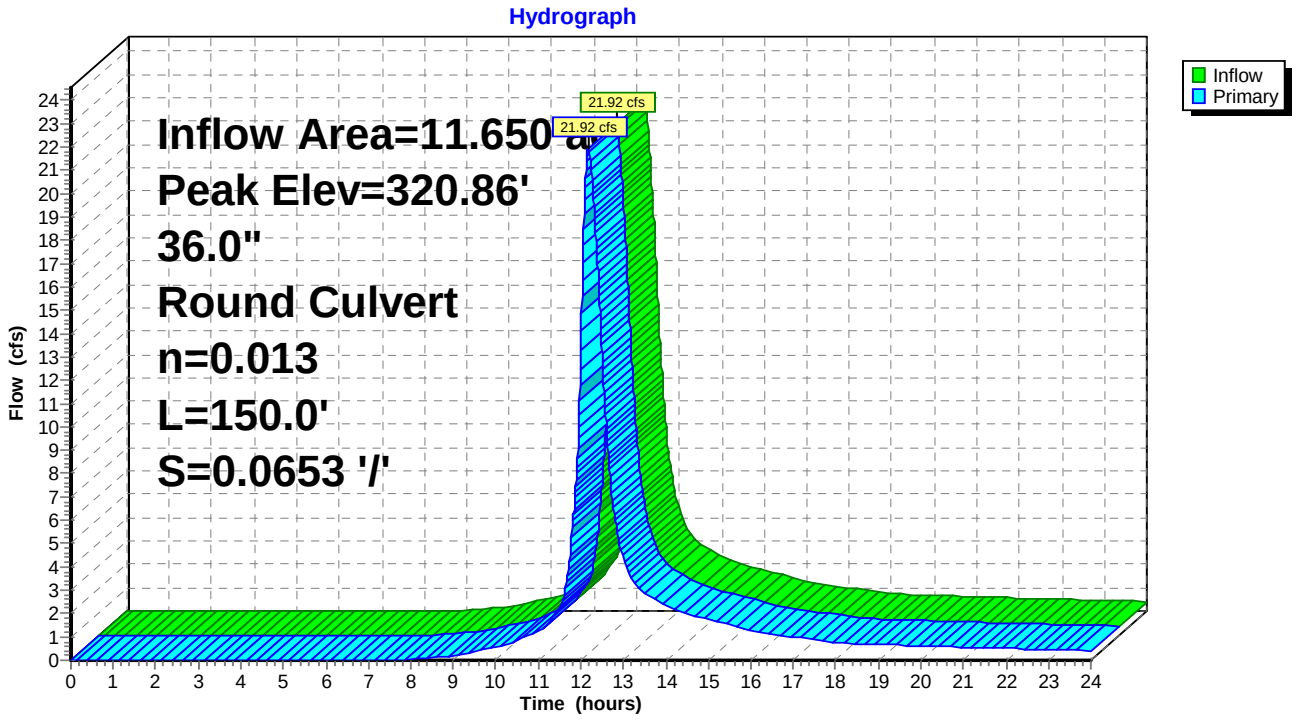
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 2.53" for 5-Year event
Inflow = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af
Outflow = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af, Atten= 0%, Lag= 0.0 min
Primary = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.86' @ 12.17 hrs
Flood Elev= 338.50'

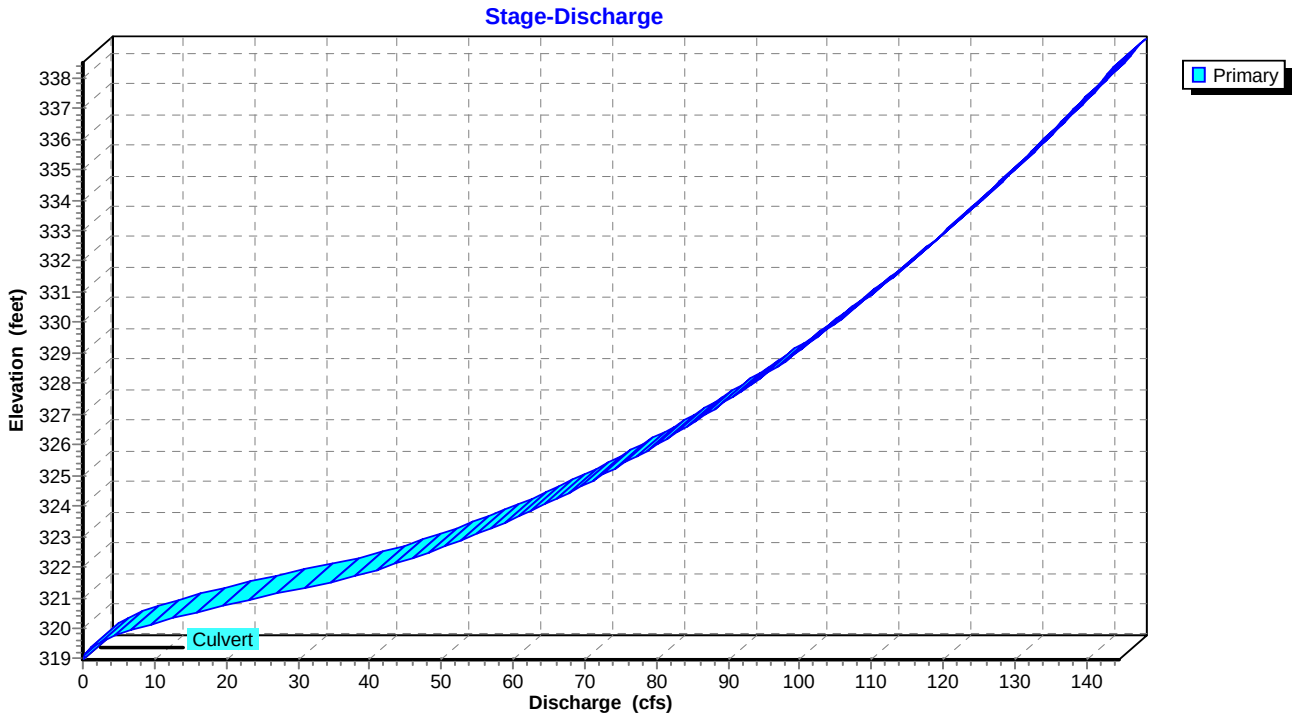
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.92 cfs @ 12.17 hrs HW=320.86' TW=310.91' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 21.92 cfs @ 4.68 fps)

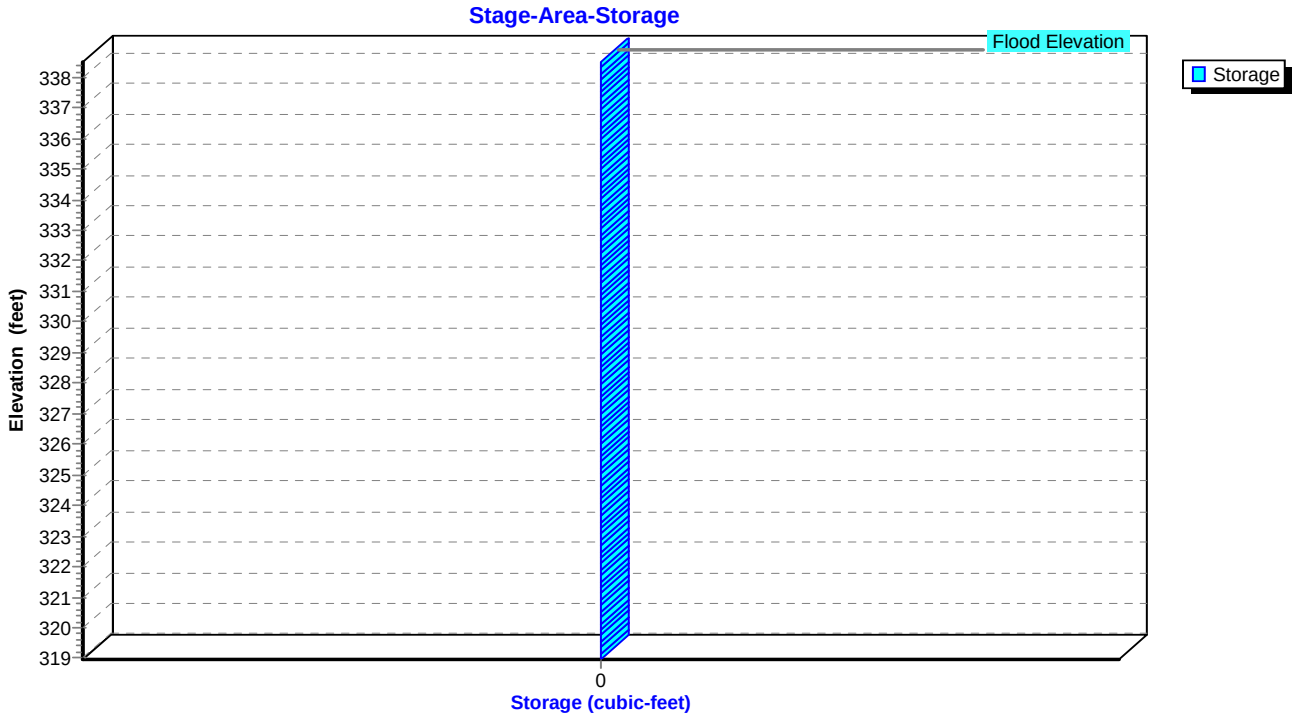
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.01	319.00	0.01
8.00	0.03	319.03	0.03
8.50	0.09	319.08	0.09
9.00	0.21	319.13	0.21
9.50	0.37	319.19	0.37
10.00	0.56	319.24	0.56
10.50	0.86	319.31	0.86
11.00	1.27	319.38	1.27
11.50	2.23	319.52	2.23
12.00	**13.26**	**320.38**	**13.26**
12.50	**13.14**	**320.38**	**13.14**
13.00	4.32	319.74	4.32
13.50	2.87	319.60	2.87
14.00	2.35	319.53	2.35
14.50	2.00	319.49	2.00
15.00	1.76	319.45	1.76
15.50	1.51	319.42	1.51
16.00	1.27	319.38	1.27
16.50	1.10	319.35	1.10
17.00	0.99	319.33	0.99
17.50	0.88	319.31	0.88
18.00	0.77	319.29	0.77
18.50	0.70	319.27	0.70
19.00	0.67	319.27	0.67
19.50	0.63	319.26	0.63
20.00	0.60	319.25	0.60
20.50	0.57	319.24	0.57
21.00	0.55	319.24	0.55
21.50	0.52	319.23	0.52
22.00	0.50	319.23	0.50
22.50	0.47	319.22	0.47
23.00	0.45	319.21	0.45
23.50	0.42	319.21	0.42
24.00	0.40	319.20	0.40

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

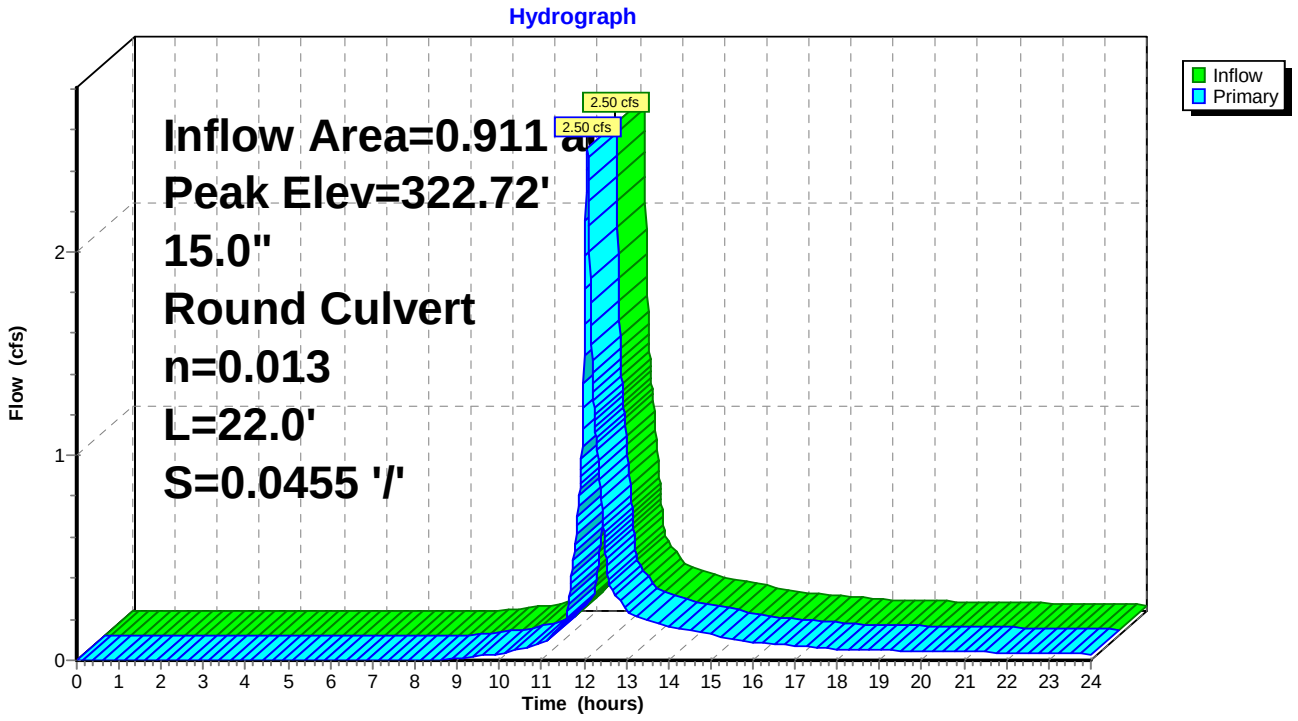
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.29" for 5-Year event
Inflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af
Outflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.72' @ 12.08 hrs
Flood Elev= 324.50'

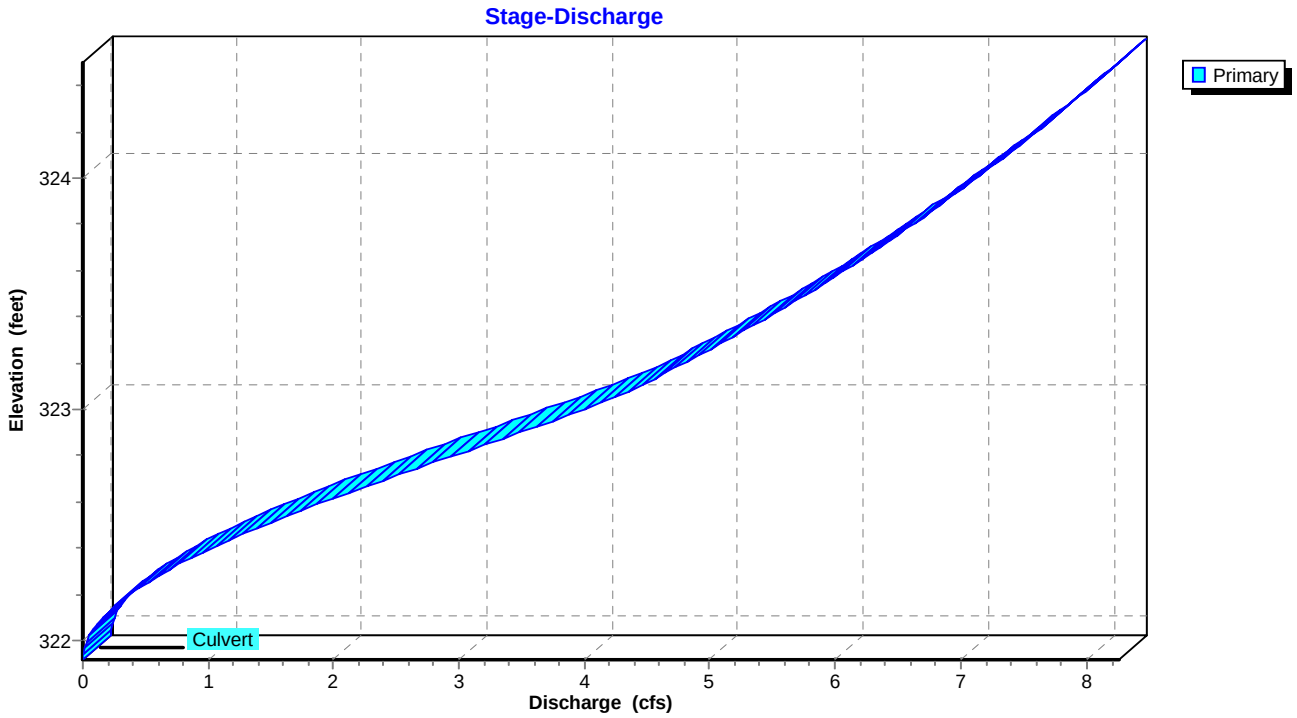
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.50 cfs @ 12.08 hrs HW=322.71' TW=320.72' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.50 cfs @ 3.04 fps)

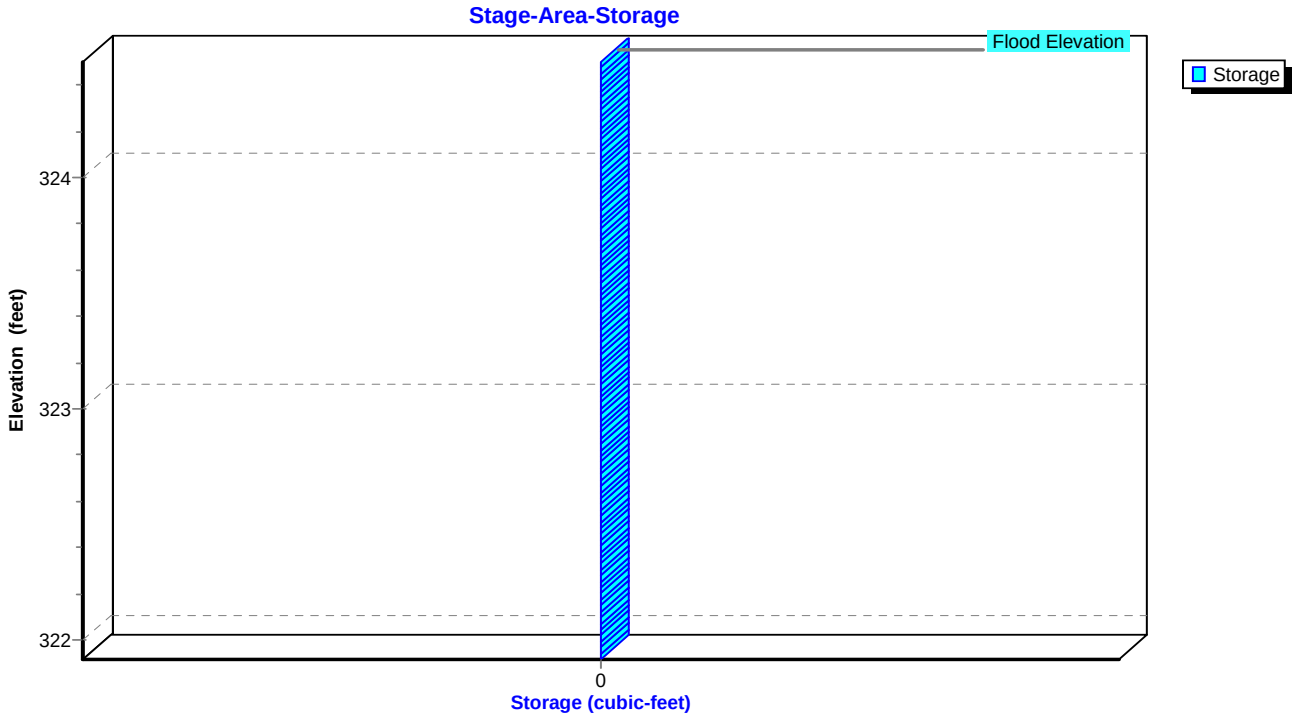
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.93	0.00
9.00	0.01	321.96	0.01
9.50	0.02	321.98	0.02
10.00	0.03	322.00	0.03
10.50	0.06	322.03	0.06
11.00	0.09	322.05	0.09
11.50	0.17	322.11	0.17
12.00	**1.49**	**322.51**	**1.49**
12.50	**0.57**	**322.27**	**0.57**
13.00	0.25	322.15	0.25
13.50	0.20	322.12	0.20
14.00	0.16	322.10	0.16
14.50	0.14	322.09	0.14
15.00	0.12	322.08	0.12
15.50	0.11	322.07	0.11
16.00	0.09	322.05	0.09
16.50	0.08	322.05	0.08
17.00	0.07	322.04	0.07
17.50	0.06	322.03	0.06
18.00	0.05	322.03	0.05
18.50	0.05	322.02	0.05
19.00	0.05	322.02	0.05
19.50	0.05	322.02	0.05
20.00	0.04	322.01	0.04
20.50	0.04	322.01	0.04
21.00	0.04	322.01	0.04
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.03	322.00	0.03
23.00	0.03	322.00	0.03
23.50	0.03	322.00	0.03
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.19' Inflow=4.71 cfs 0.554 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=4.71 cfs 0.554 af

Pond CB10: Catchbasin Peak Elev=311.11' Inflow=26.82 cfs 3.041 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=26.82 cfs 3.041 af

Pond CB10-1: CB1-1 Peak Elev=312.75' Inflow=2.68 cfs 0.161 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.68 cfs 0.161 af

Pond CB11: Catchbasin Peak Elev=300.14' Inflow=28.65 cfs 3.193 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=28.65 cfs 3.193 af

Pond CB11-1: CB1-1 Peak Elev=302.84' Inflow=1.87 cfs 0.153 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.87 cfs 0.153 af

Pond CB12: Catchbasin Peak Elev=298.89' Inflow=32.38 cfs 3.501 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=32.38 cfs 3.501 af

Pond CB12-1: CB1-1 Peak Elev=300.76' Inflow=4.04 cfs 0.308 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=4.04 cfs 0.308 af

Pond CB13: Catchbasin Peak Elev=296.13' Inflow=34.68 cfs 3.697 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=34.68 cfs 3.697 af

Pond CB13-1: CB1-1 Peak Elev=297.18' Inflow=2.30 cfs 0.195 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.30 cfs 0.195 af

Pond CB14: Catchbasin Peak Elev=289.08' Inflow=35.13 cfs 3.758 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=35.13 cfs 3.758 af

Pond CB14-1: CB1-1 Peak Elev=290.89' Inflow=1.00 cfs 0.062 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=1.00 cfs 0.062 af

Pond CB15: Catchbasin Peak Elev=285.25' Inflow=45.49 cfs 5.120 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=45.49 cfs 5.120 af

Pond CB15-1: CB1-1 Peak Elev=285.93' Inflow=12.89 cfs 1.362 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=12.89 cfs 1.362 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.92' Inflow=9.95 cfs 1.121 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=9.95 cfs 1.121 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=343.13' Inflow=12.24 cfs 1.370 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=12.24 cfs 1.370 af

Pond CB4: Catchbasin Peak Elev=333.46' Inflow=16.29 cfs 1.861 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=16.29 cfs 1.861 af

Pond CB4-1: CB1-1 Peak Elev=337.16' Inflow=16.29 cfs 1.861 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=16.29 cfs 1.861 af

Pond CB5: Catchbasin Peak Elev=332.28' Inflow=16.71 cfs 1.932 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=16.71 cfs 1.932 af

Pond CB5-1: CB1-1 Peak Elev=334.41' Inflow=1.20 cfs 0.071 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.20 cfs 0.071 af

Pond CB6: Catchbasin Peak Elev=331.07' Inflow=20.12 cfs 2.251 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=20.12 cfs 2.251 af

Pond CB6-1: CB1-1 Peak Elev=336.91' Inflow=3.55 cfs 0.319 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.55 cfs 0.319 af

Pond CB7: Catchbasin Peak Elev=329.76' Inflow=23.04 cfs 2.544 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=23.04 cfs 2.544 af

Pond CB7-1: CB1-1 Peak Elev=335.46' Inflow=3.80 cfs 0.292 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.80 cfs 0.292 af

Pond CB8: Catchbasin Peak Elev=328.26' Inflow=23.88 cfs 2.674 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=23.88 cfs 2.674 af

Pond CB8-1: CB1-1 Peak Elev=330.90' Inflow=2.17 cfs 0.130 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.17 cfs 0.130 af

Pond CB9: Catchbasin Peak Elev=321.05' Inflow=25.73 cfs 2.879 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=25.73 cfs 2.879 af

Pond CB9-1: CB1-1 Peak Elev=322.80' Inflow=2.96 cfs 0.206 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.96 cfs 0.206 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

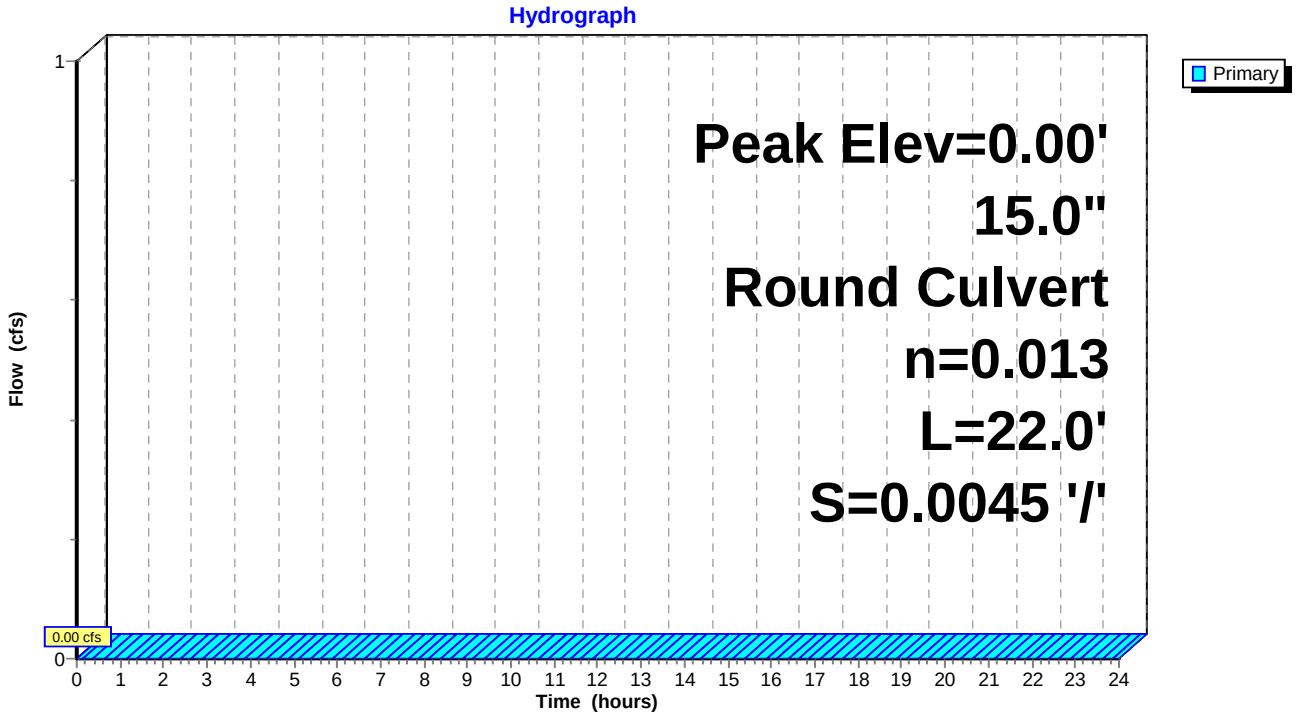
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

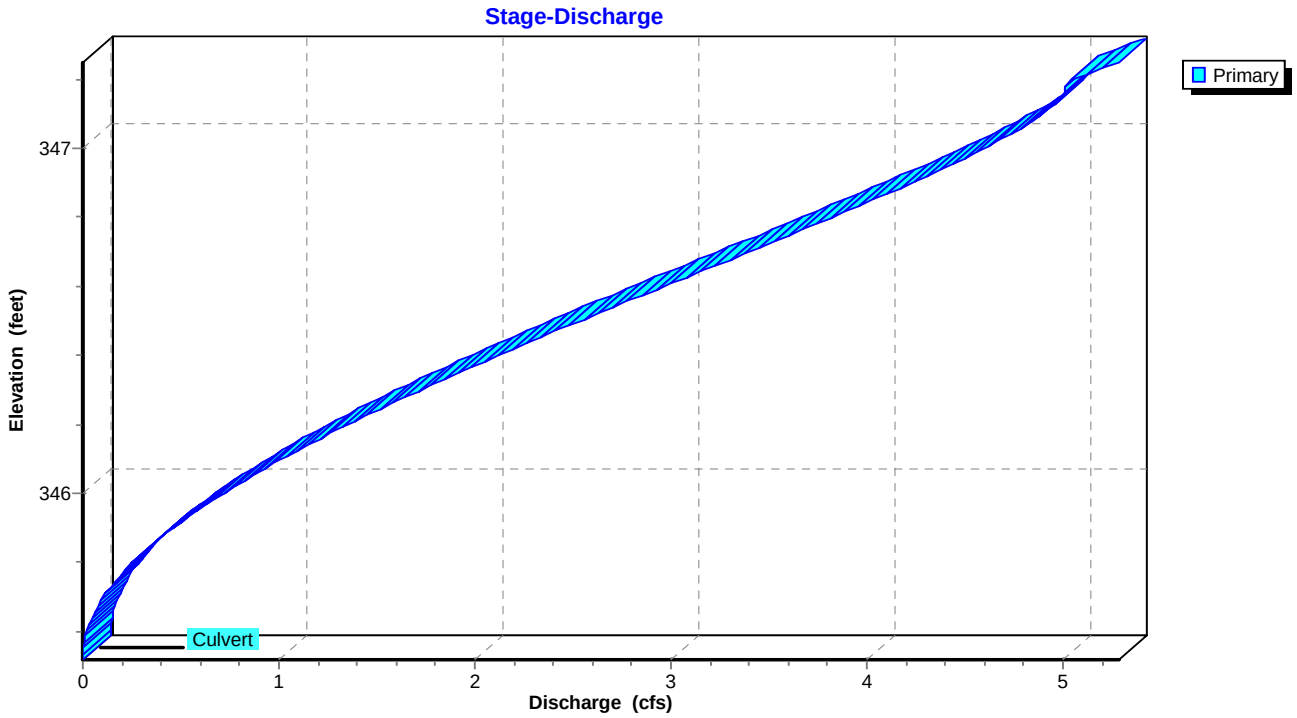
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

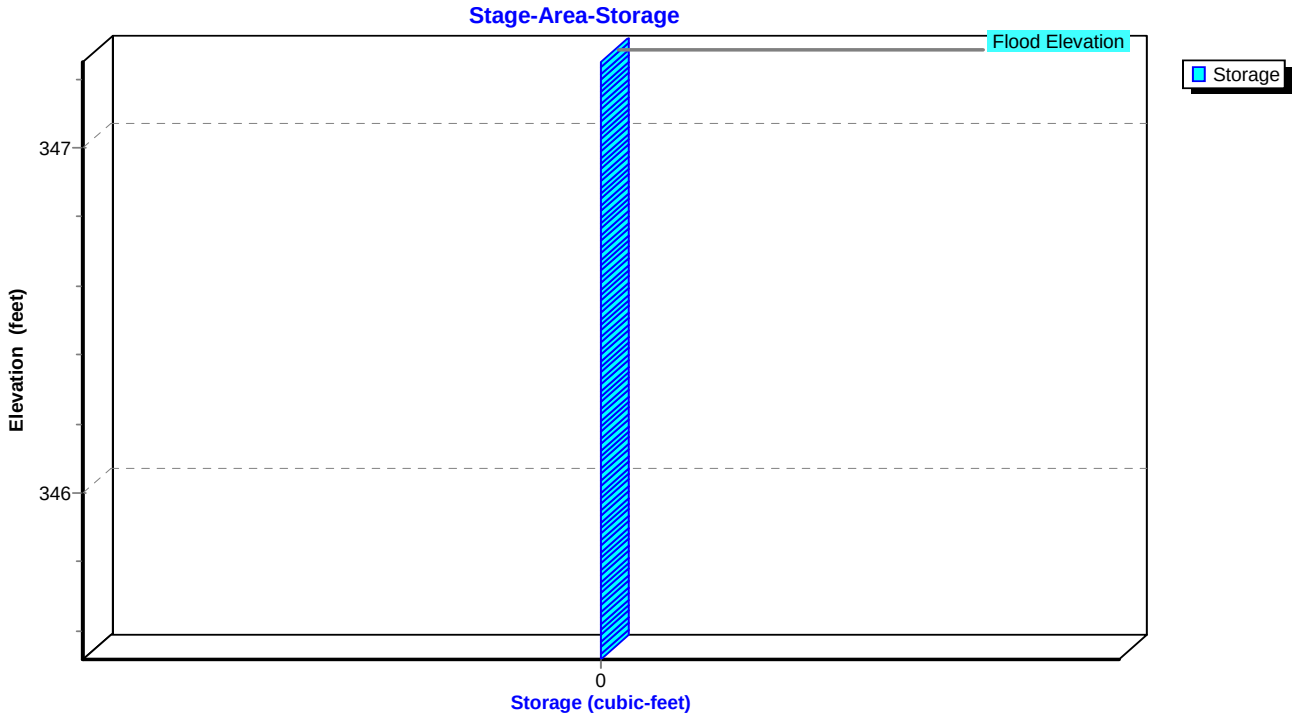
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

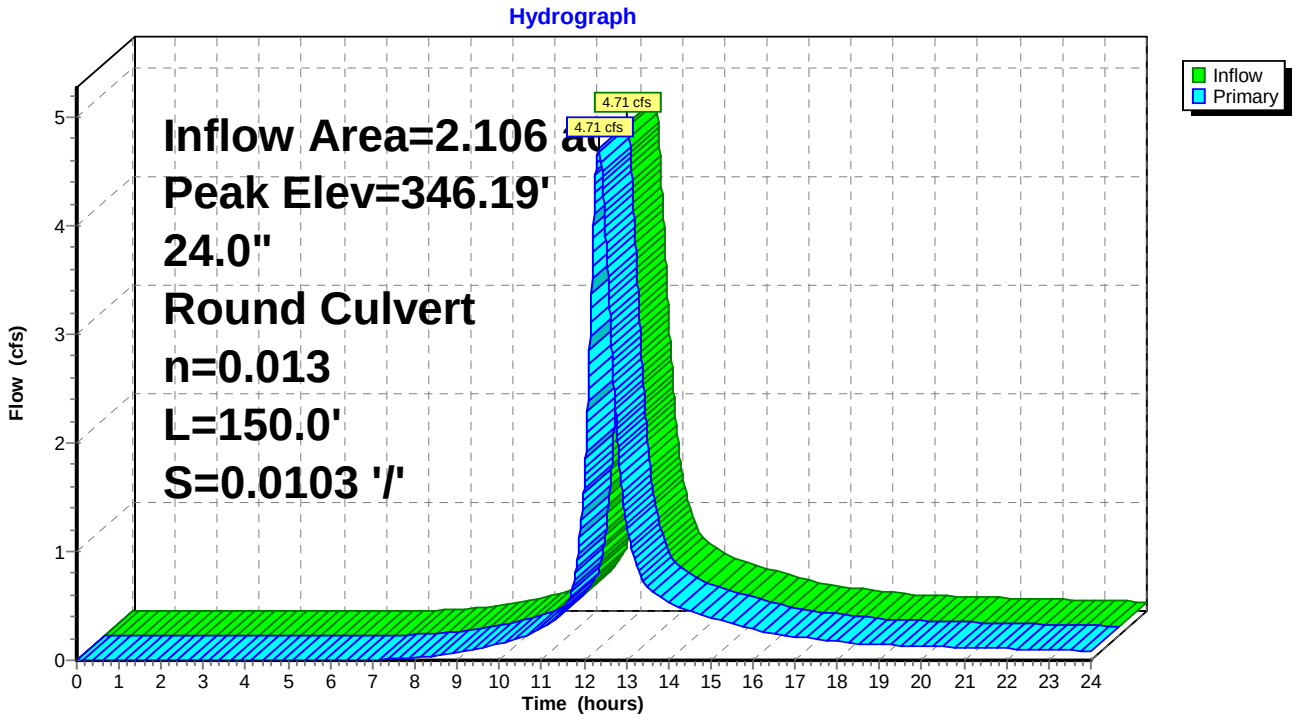
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 3.16" for 10-Year event
Inflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af
Outflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af, Atten= 0%, Lag= 0.0 min
Primary = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.19' @ 12.34 hrs
Flood Elev= 348.80'

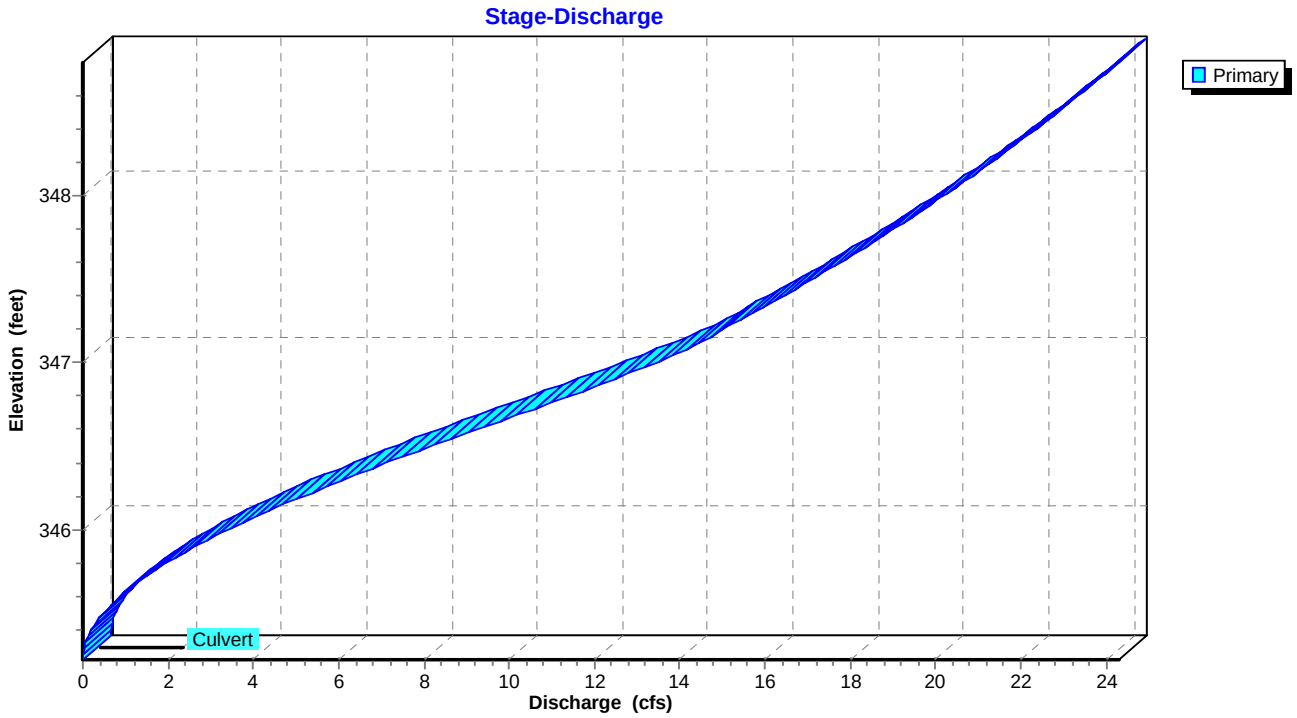
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=4.72 cfs @ 12.34 hrs HW=346.19' TW=344.90' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.72 cfs @ 4.55 fps)

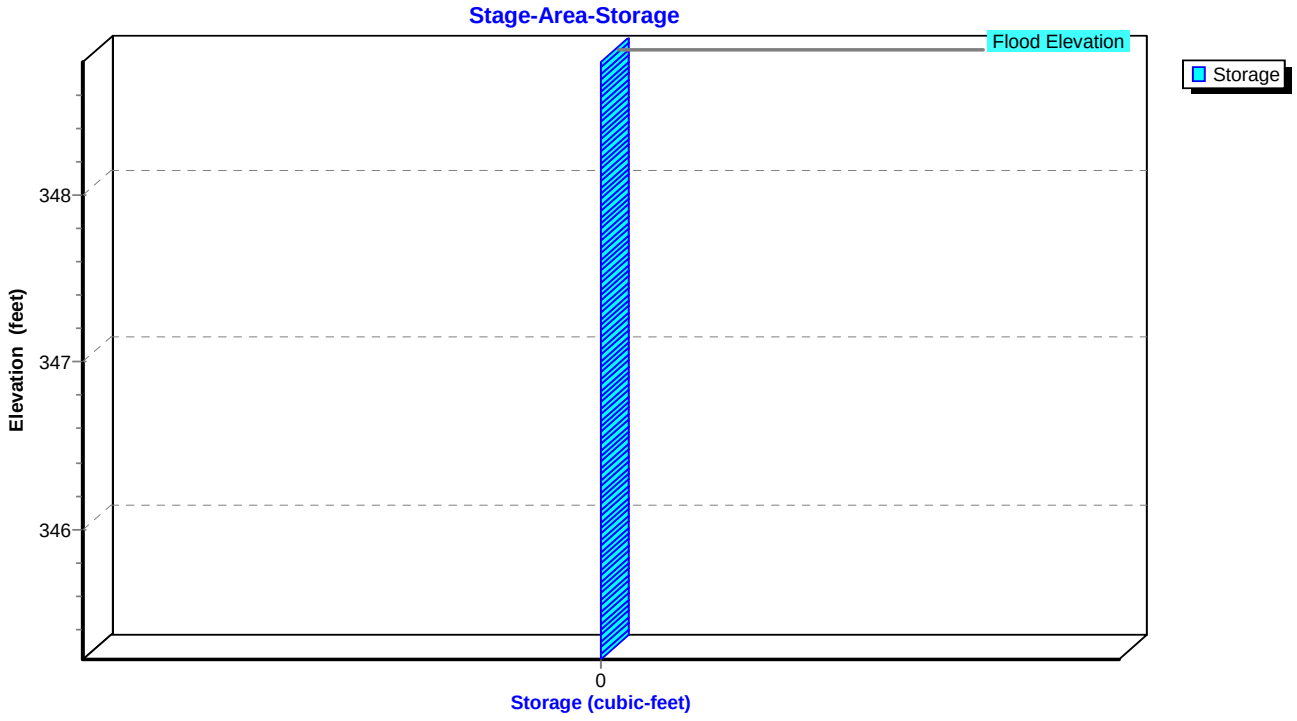
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.24	0.00
7.50	0.01	345.27	0.01
8.00	0.03	345.29	0.03
8.50	0.04	345.31	0.04
9.00	0.07	345.33	0.07
9.50	0.11	345.35	0.11
10.00	0.15	345.38	0.15
10.50	0.21	345.40	0.21
11.00	0.30	345.44	0.30
11.50	0.46	345.49	0.46
12.00	**1.58**	**345.74**	**1.58**
12.50	**4.06**	**346.09**	**4.06**
13.00	1.27	345.68	1.27
13.50	0.68	345.55	0.68
14.00	0.54	345.52	0.54
14.50	0.45	345.49	0.45
15.00	0.39	345.47	0.39
15.50	0.34	345.45	0.34
16.00	0.29	345.44	0.29
16.50	0.24	345.42	0.24
17.00	0.22	345.41	0.22
17.50	0.19	345.40	0.19
18.00	0.17	345.39	0.17
18.50	0.15	345.38	0.15
19.00	0.14	345.37	0.14
19.50	0.14	345.37	0.14
20.00	0.13	345.36	0.13
20.50	0.12	345.36	0.12
21.00	0.12	345.36	0.12
21.50	0.11	345.36	0.11
22.00	0.11	345.35	0.11
22.50	0.10	345.35	0.10
23.00	0.10	345.35	0.10
23.50	0.09	345.34	0.09
24.00	0.09	345.34	0.09

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.22	**0**	347.77	0
345.27	0	347.82	0
345.32	0	347.87	0
345.37	0	347.92	0
345.42	0	347.97	0
345.47	0	348.02	0
345.52	0	348.07	0
345.57	0	348.12	0
345.62	0	348.17	0
345.67	0	348.22	0
345.72	0	348.27	0
345.77	0	348.32	0
345.82	0	348.37	0
345.87	0	348.42	0
345.92	0	348.47	0
345.97	0	348.52	0
346.02	0	348.57	0
346.07	0	348.62	0
346.12	0	348.67	0
346.17	0	348.72	0
346.22	0	348.77	0
346.27	0		
346.32	0		
346.37	0		
346.42	0		
346.47	0		
346.52	0		
346.57	0		
346.62	0		
346.67	0		
346.72	0		
346.77	0		
346.82	0		
346.87	0		
346.92	0		
346.97	0		
347.02	0		
347.07	0		
347.12	0		
347.17	0		
347.22	0		
347.27	0		
347.32	0		
347.37	0		
347.42	0		
347.47	0		
347.52	0		
347.57	0		
347.62	0		
347.67	0		
347.72	0		

Summary for Pond CB10: Catchbasin

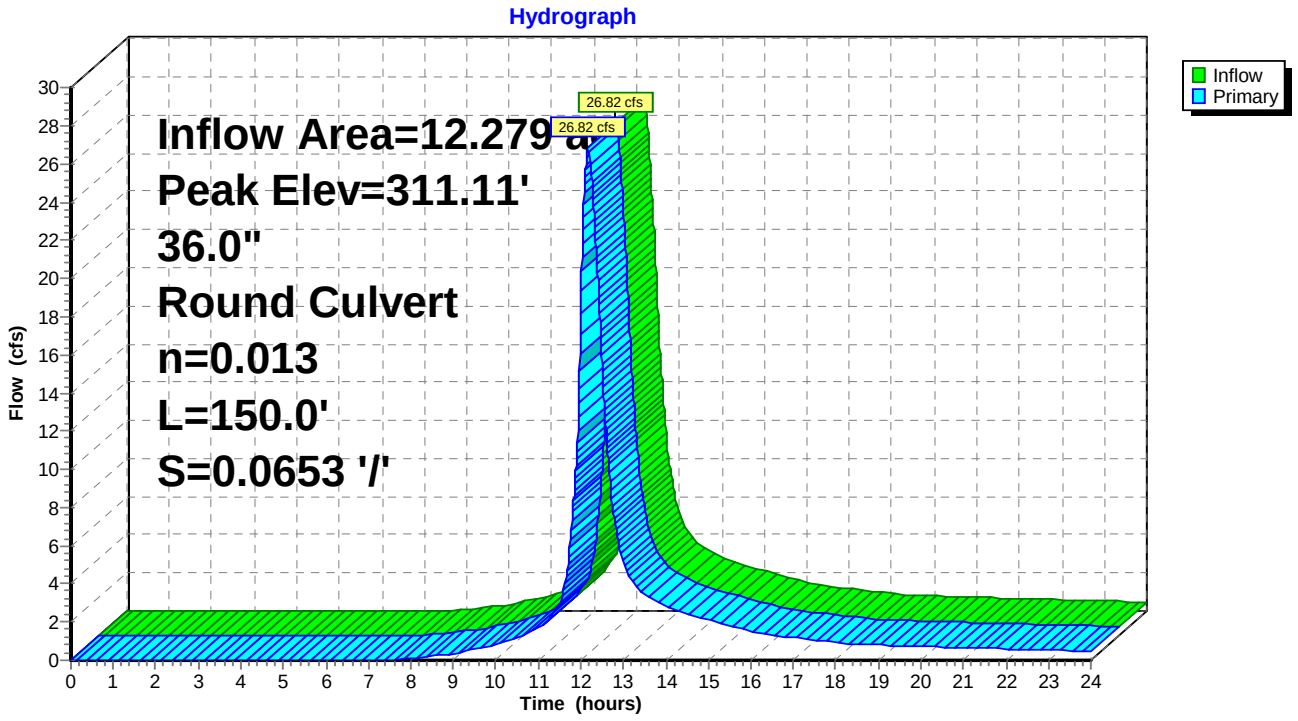
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af
Outflow = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af, Atten= 0%, Lag= 0.0 min
Primary = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.11' @ 12.16 hrs
Flood Elev= 313.50'

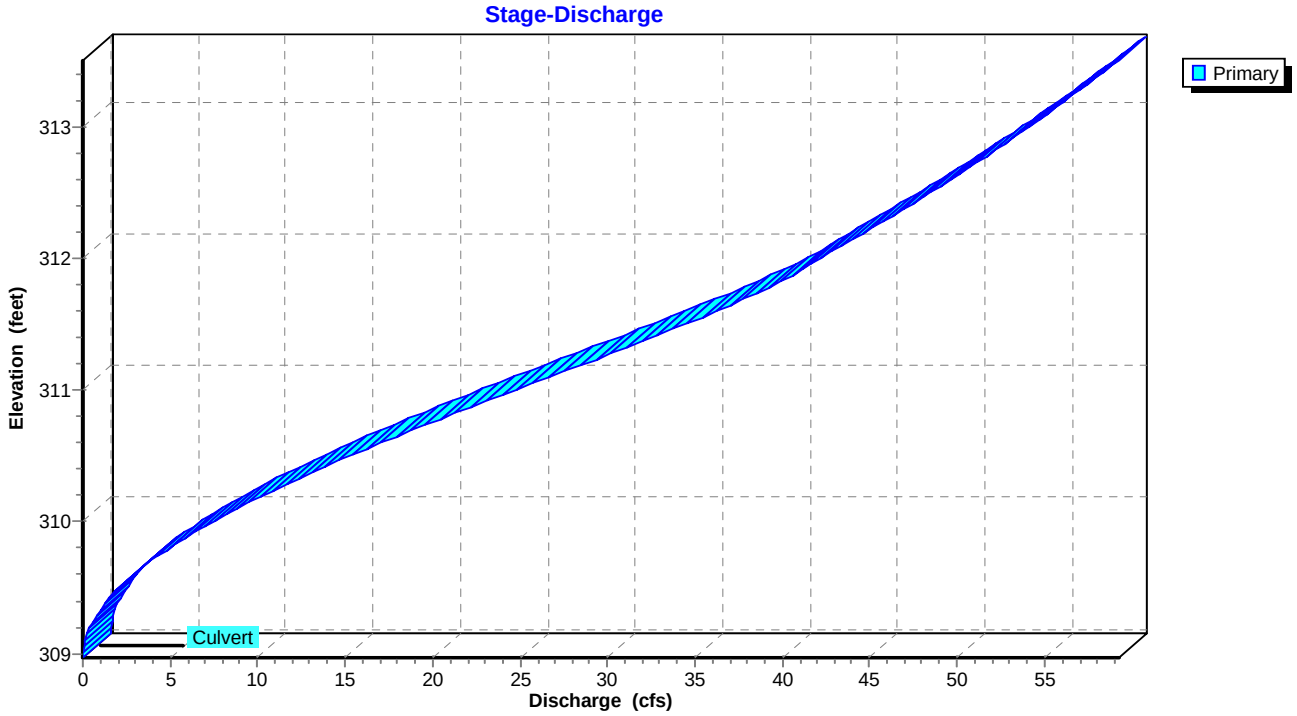
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.81 cfs @ 12.16 hrs HW=311.11' TW=300.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 26.81 cfs @ 4.98 fps)

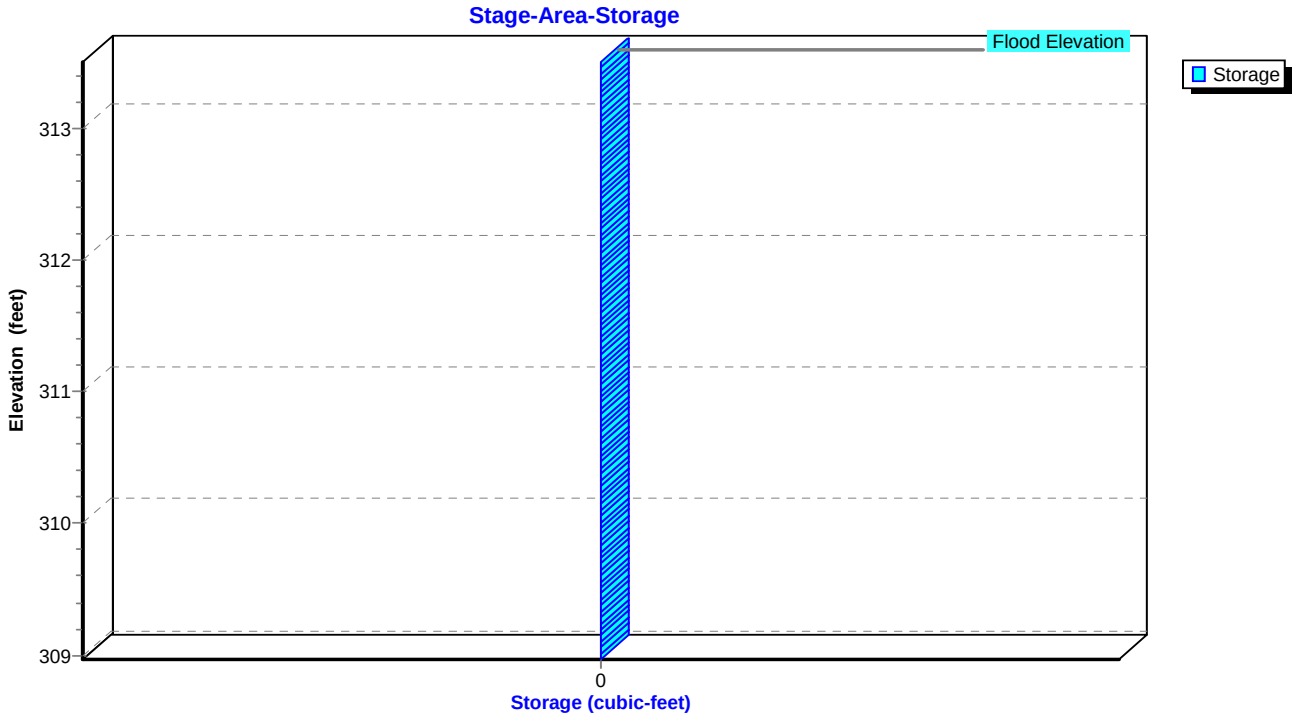
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.01	309.00	0.01
7.50	0.03	309.03	0.03
8.00	0.09	309.08	0.09
8.50	0.20	309.13	0.20
9.00	0.35	309.18	0.35
9.50	0.56	309.24	0.56
10.00	0.81	309.30	0.81
10.50	1.19	309.37	1.19
11.00	1.71	309.45	1.71
11.50	2.95	309.60	2.95
12.00	**18.21**	**310.66**	**18.21**
12.50	**15.56**	**310.52**	**15.56**
13.00	5.17	309.82	5.17
13.50	3.46	309.66	3.46
14.00	2.82	309.59	2.82
14.50	2.40	309.54	2.40
15.00	2.11	309.50	2.11
15.50	1.82	309.46	1.82
16.00	1.52	309.42	1.52
16.50	1.32	309.39	1.32
17.00	1.18	309.37	1.18
17.50	1.05	309.34	1.05
18.00	0.92	309.32	0.92
18.50	0.84	309.30	0.84
19.00	0.80	309.29	0.80
19.50	0.76	309.29	0.76
20.00	0.72	309.28	0.72
20.50	0.69	309.27	0.69
21.00	0.66	309.26	0.66
21.50	0.63	309.26	0.63
22.00	0.60	309.25	0.60
22.50	0.57	309.24	0.57
23.00	0.54	309.24	0.54
23.50	0.51	309.23	0.51
24.00	0.48	309.22	0.48

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

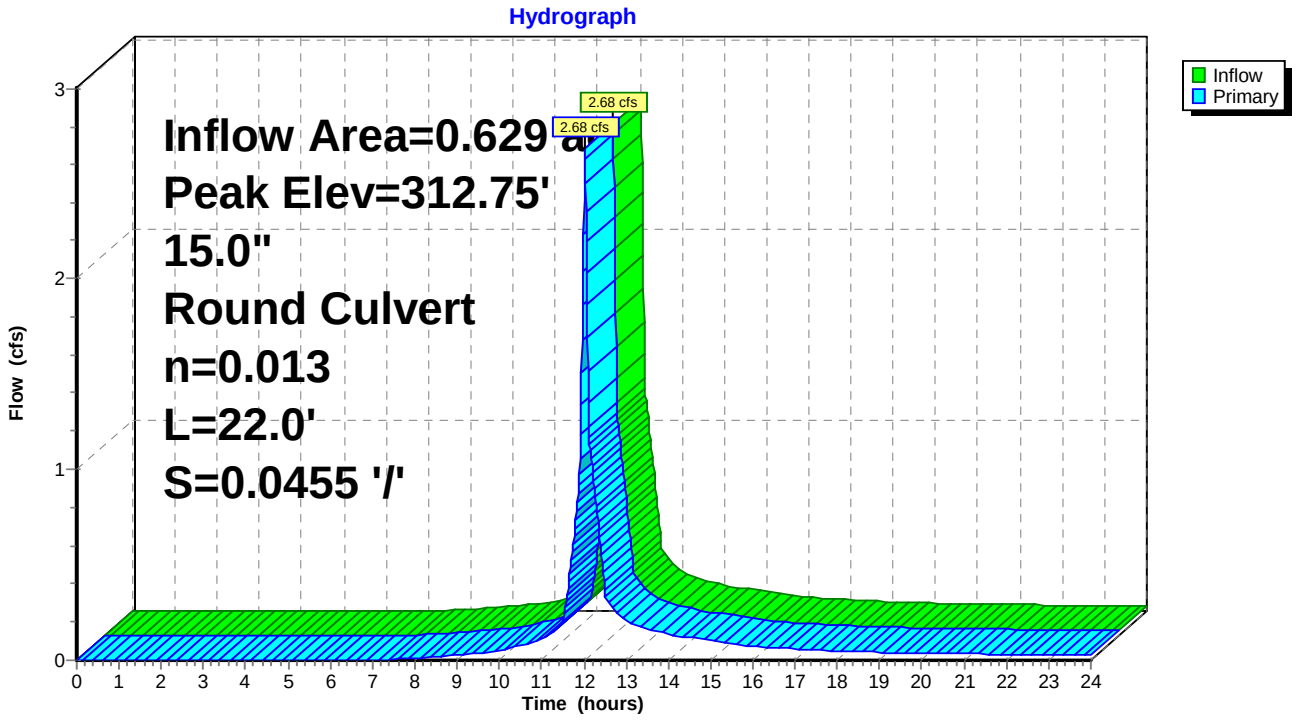
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.08" for 10-Year event
Inflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af
Outflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.75' @ 12.02 hrs
Flood Elev= 314.50'

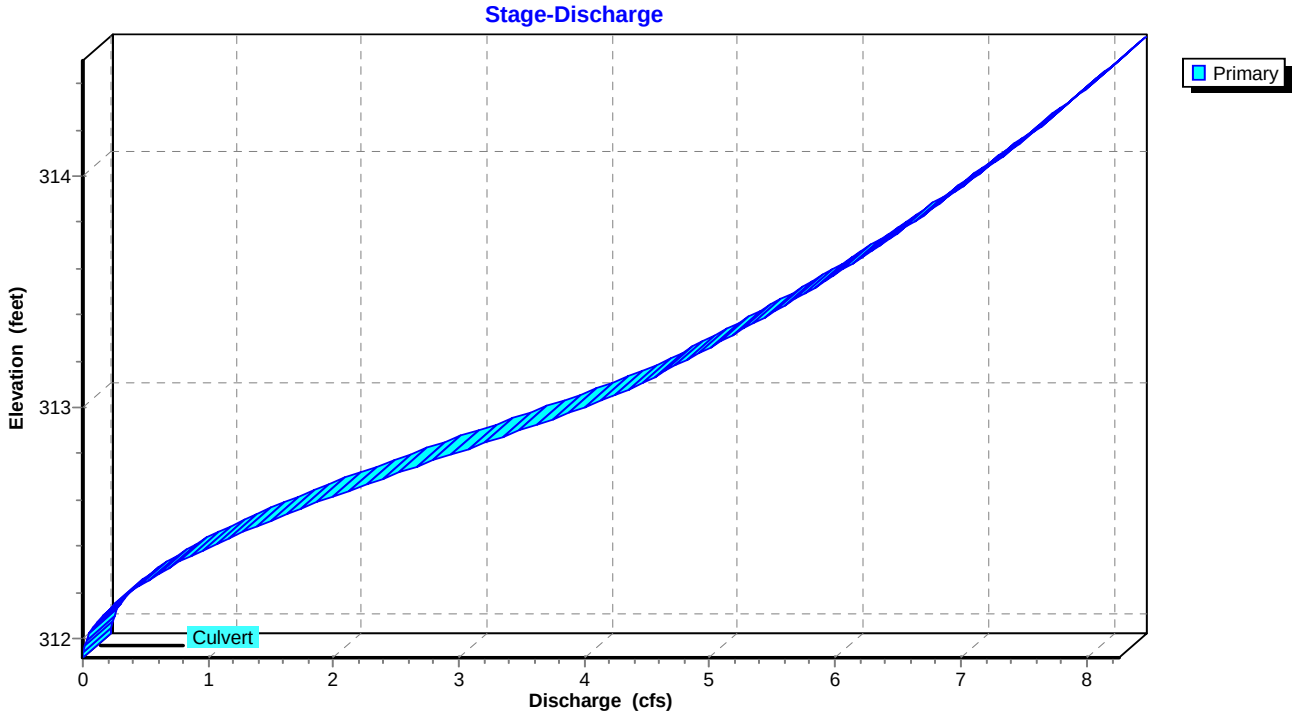
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.68 cfs @ 12.02 hrs HW=312.75' TW=310.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.68 cfs @ 3.10 fps)

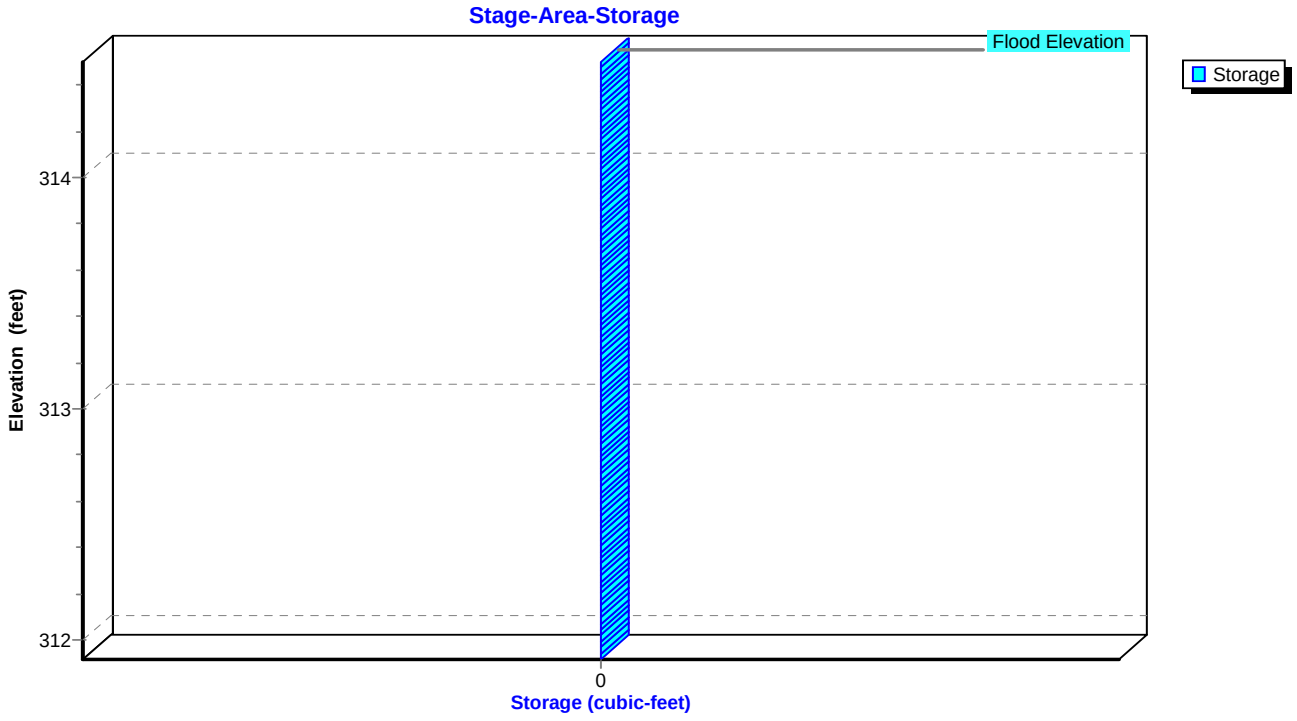
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.93	0.00
7.50	0.00	311.95	0.00
8.00	0.01	311.96	0.01
8.50	0.02	311.98	0.02
9.00	0.03	311.99	0.03
9.50	0.04	312.01	0.04
10.00	0.05	312.02	0.05
10.50	0.08	312.04	0.08
11.00	0.11	312.07	0.11
11.50	0.20	312.12	0.20
12.00	**2.42**	**312.70**	**2.42**
12.50	**0.36**	**312.20**	**0.36**
13.00	0.20	312.12	0.20
13.50	0.17	312.10	0.17
14.00	0.13	312.09	0.13
14.50	0.12	312.08	0.12
15.00	0.10	312.07	0.10
15.50	0.09	312.05	0.09
16.00	0.07	312.04	0.07
16.50	0.07	312.04	0.07
17.00	0.06	312.03	0.06
17.50	0.05	312.02	0.05
18.00	0.05	312.02	0.05
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.04	312.01	0.04
20.00	0.04	312.01	0.04
20.50	0.04	312.00	0.04
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	312.00	0.03
22.50	0.03	312.00	0.03
23.00	0.03	311.99	0.03
23.50	0.03	311.99	0.03
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

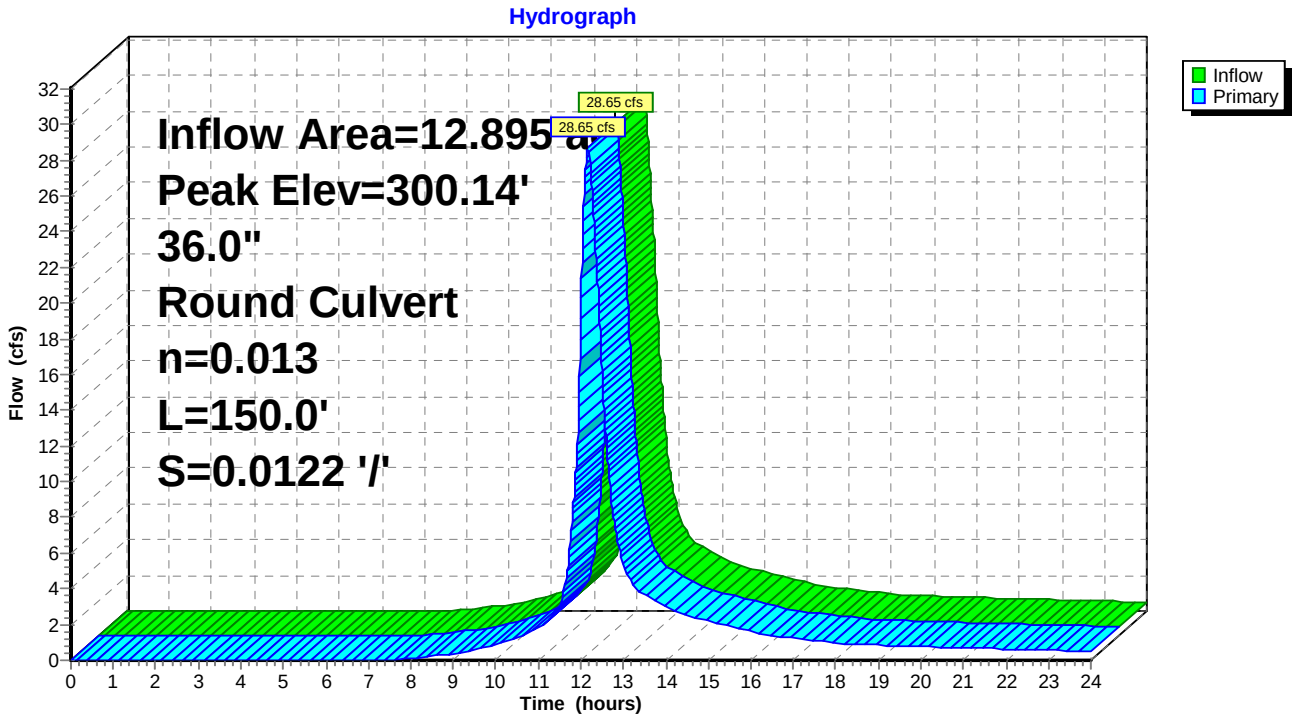
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af
Outflow = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af, Atten= 0%, Lag= 0.0 min
Primary = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.14' @ 12.16 hrs
Flood Elev= 303.50'

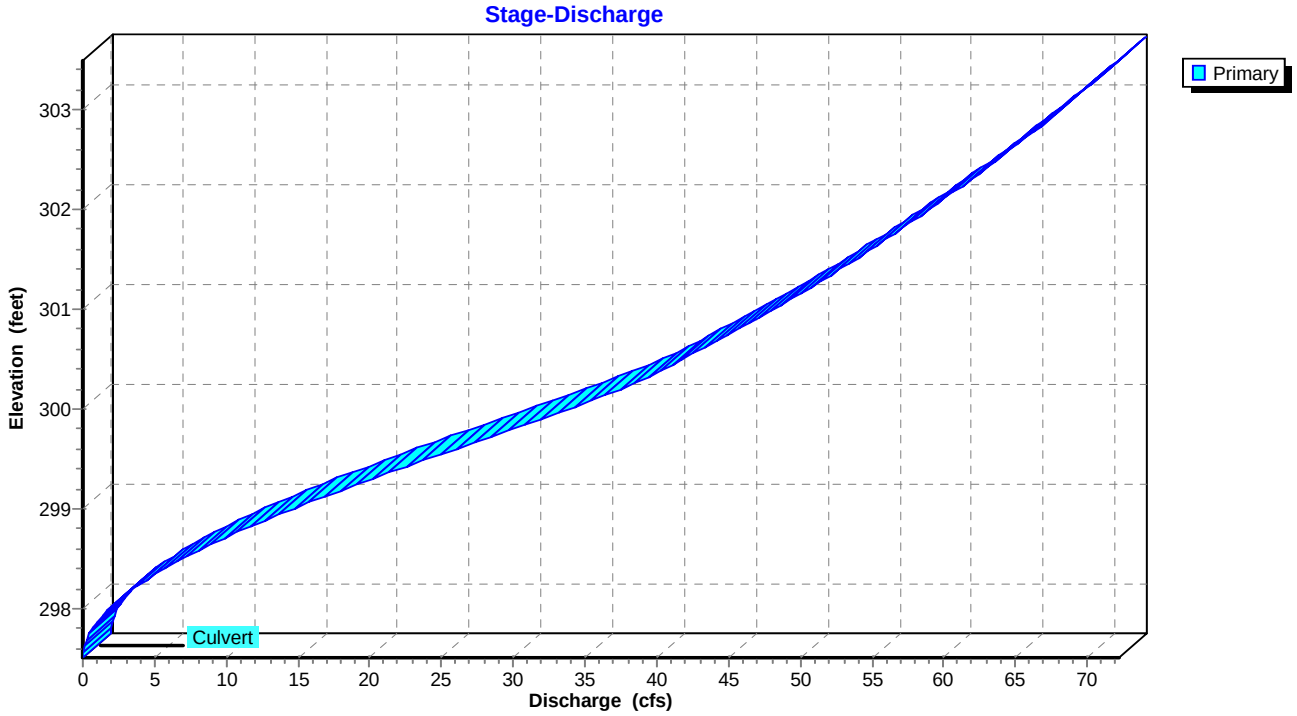
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.71 cfs @ 12.16 hrs HW=300.14' TW=298.89' (Dynamic Tailwater)
1=Culvert (Outlet Controls 28.71 cfs @ 5.80 fps)

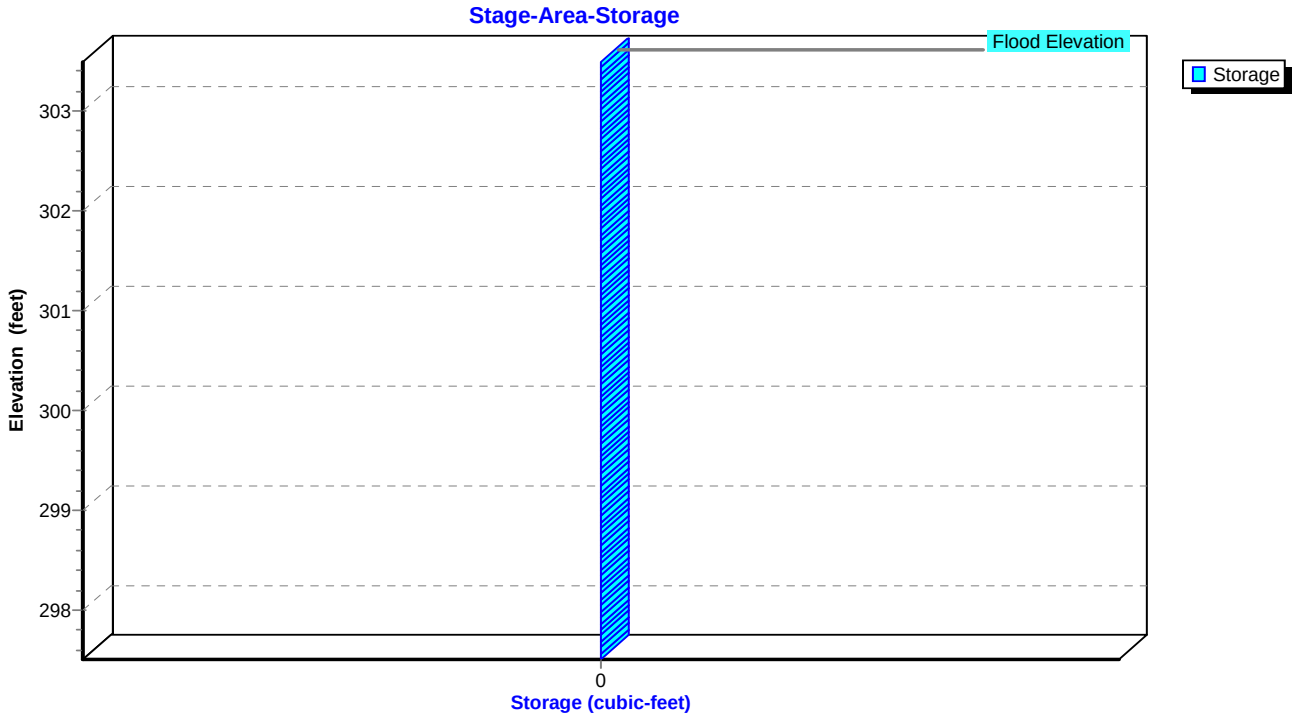
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.51	0.00
7.00	0.01	297.53	0.01
7.50	0.03	297.58	0.03
8.00	0.10	297.63	0.10
8.50	0.21	297.68	0.21
9.00	0.37	297.74	0.37
9.50	0.59	297.80	0.59
10.00	0.85	297.86	0.85
10.50	1.25	297.94	1.25
11.00	1.80	298.03	1.80
11.50	3.11	298.20	3.11
12.00	**19.11**	**299.47**	**19.11**
12.50	**16.20**	**299.30**	**16.20**
13.00	5.39	298.45	5.39
13.50	3.63	298.26	3.63
14.00	2.96	298.18	2.96
14.50	2.52	298.13	2.52
15.00	2.21	298.09	2.21
15.50	1.90	298.04	1.90
16.00	1.59	297.99	1.59
16.50	1.38	297.96	1.38
17.00	1.24	297.94	1.24
17.50	1.10	297.91	1.10
18.00	0.96	297.88	0.96
18.50	0.88	297.87	0.88
19.00	0.84	297.86	0.84
19.50	0.80	297.85	0.80
20.00	0.76	297.84	0.76
20.50	0.72	297.83	0.72
21.00	0.69	297.83	0.69
21.50	0.66	297.82	0.66
22.00	0.63	297.81	0.63
22.50	0.60	297.80	0.60
23.00	0.56	297.79	0.56
23.50	0.53	297.79	0.53
24.00	0.50	297.78	0.50

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

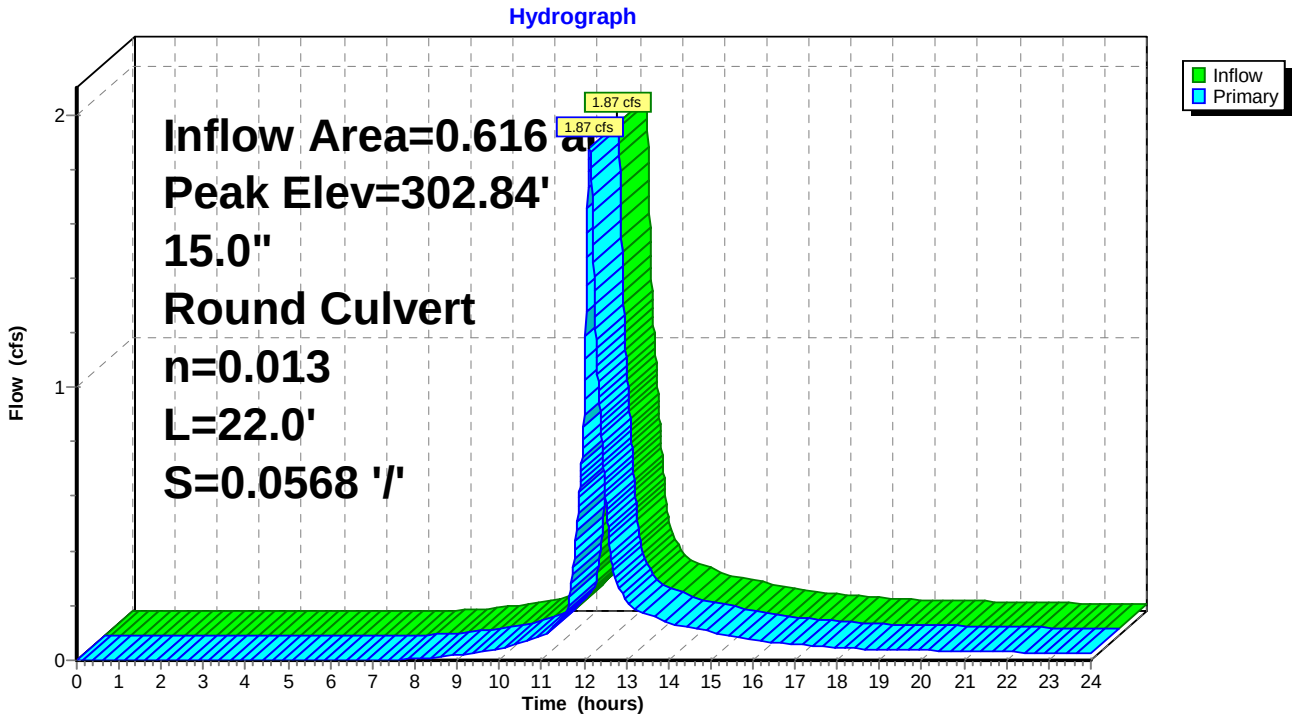
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af
Outflow = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.84' @ 12.14 hrs
Flood Elev= 304.80'

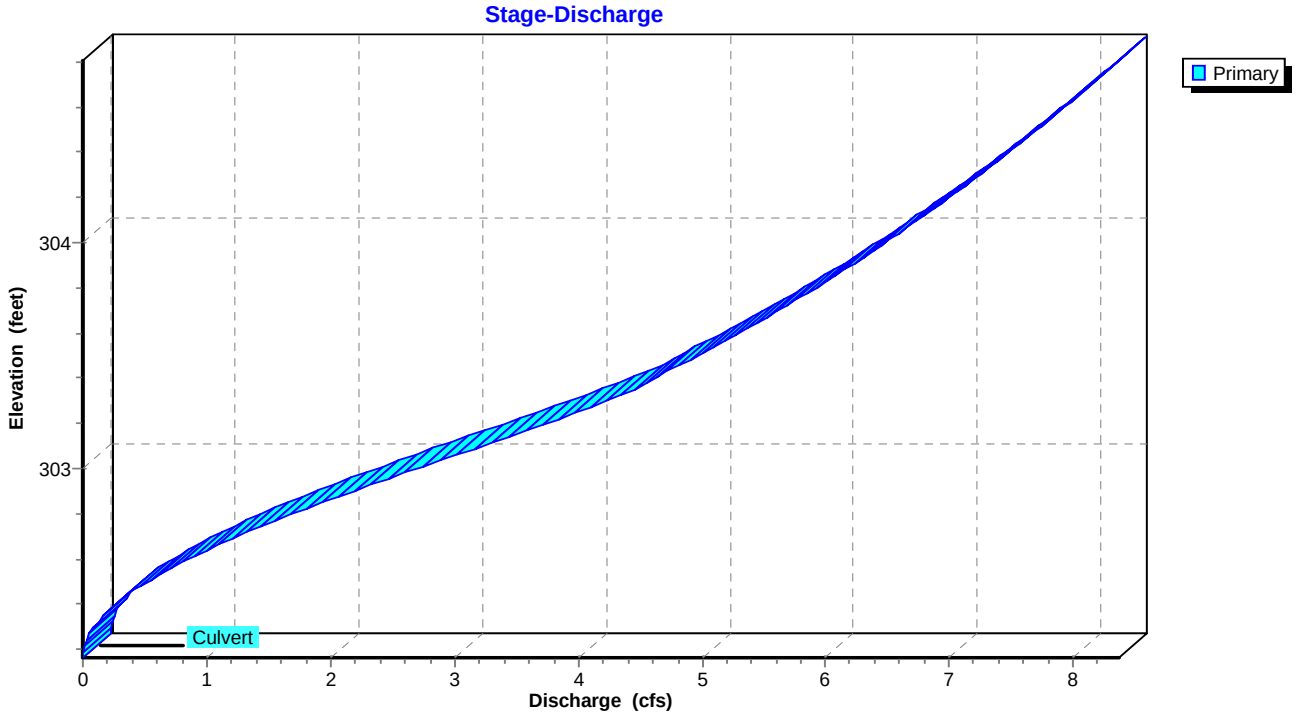
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.87 cfs @ 12.14 hrs HW=302.84' TW=300.13' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.87 cfs @ 2.79 fps)

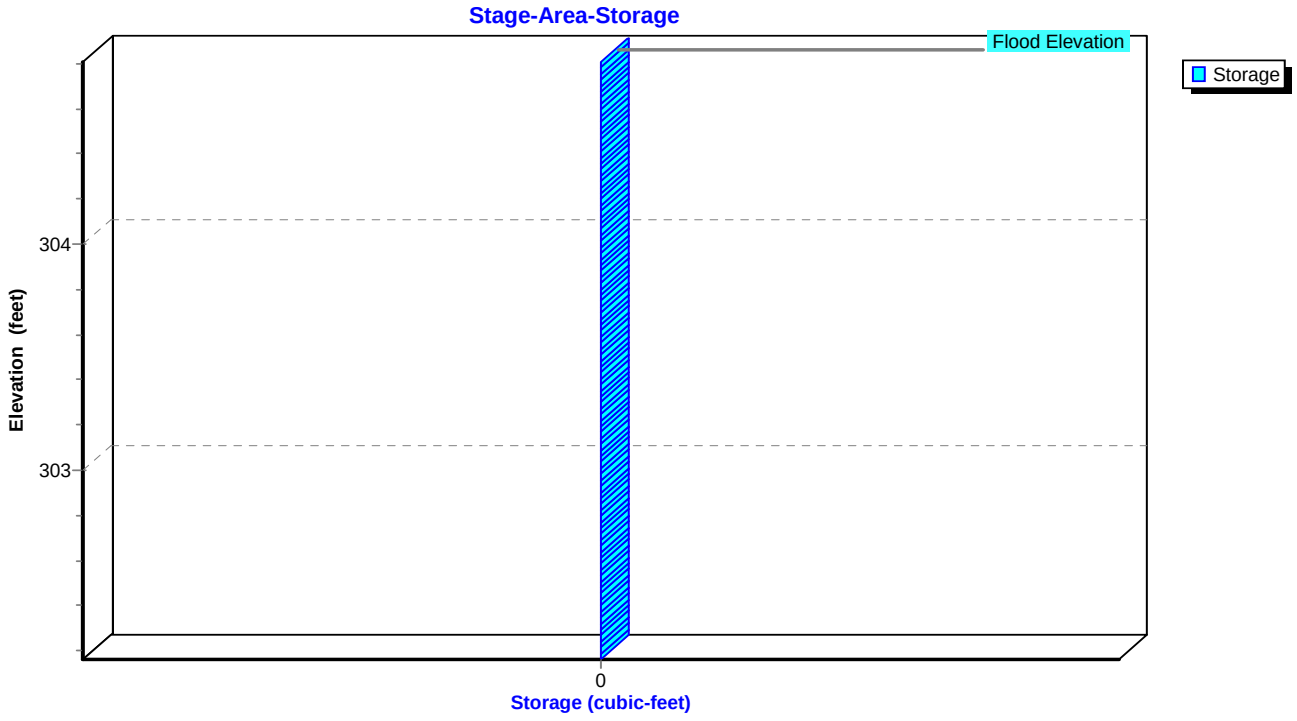
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.19	0.00
8.00	0.01	302.20	0.01
8.50	0.01	302.22	0.01
9.00	0.02	302.23	0.02
9.50	0.03	302.25	0.03
10.00	0.04	302.26	0.04
10.50	0.06	302.28	0.06
11.00	0.09	302.31	0.09
11.50	0.16	302.35	0.16
12.00	**0.90**	**302.62**	**0.90**
12.50	**0.64**	**302.54**	**0.64**
13.00	0.22	302.39	0.22
13.50	0.17	302.36	0.17
14.00	0.14	302.34	0.14
14.50	0.12	302.33	0.12
15.00	0.10	302.32	0.10
15.50	0.09	302.30	0.09
16.00	0.07	302.29	0.07
16.50	0.07	302.28	0.07
17.00	0.06	302.28	0.06
17.50	0.05	302.27	0.05
18.00	0.05	302.27	0.05
18.50	0.04	302.26	0.04
19.00	0.04	302.26	0.04
19.50	0.04	302.26	0.04
20.00	0.04	302.26	0.04
20.50	0.03	302.25	0.03
21.00	0.03	302.25	0.03
21.50	0.03	302.25	0.03
22.00	0.03	302.25	0.03
22.50	0.03	302.25	0.03
23.00	0.03	302.24	0.03
23.50	0.03	302.24	0.03
24.00	0.02	302.24	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

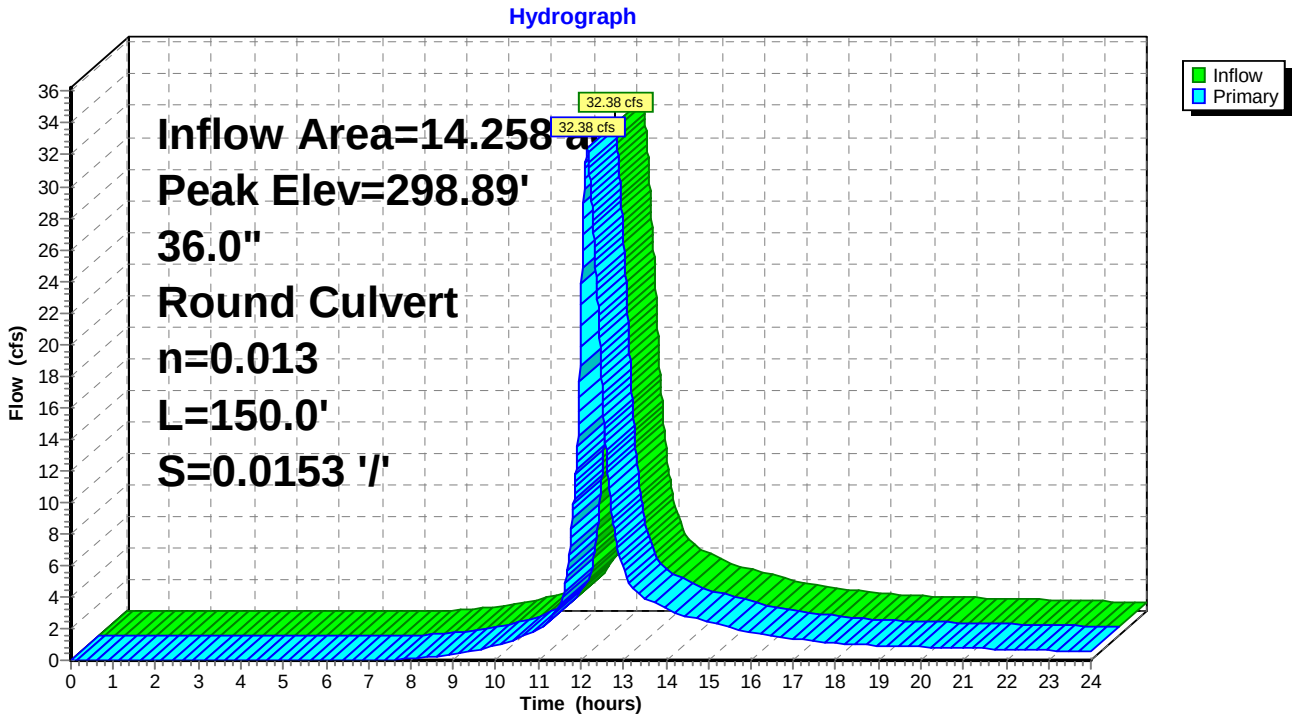
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 2.95" for 10-Year event
Inflow = 32.38 cfs @ 12.15 hrs, Volume= 3.501 af
Outflow = 32.38 cfs @ 12.15 hrs, Volume= 3.501 af, Atten= 0%, Lag= 0.0 min
Primary = 32.38 cfs @ 12.15 hrs, Volume= 3.501 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.89' @ 12.15 hrs
Flood Elev= 301.00'

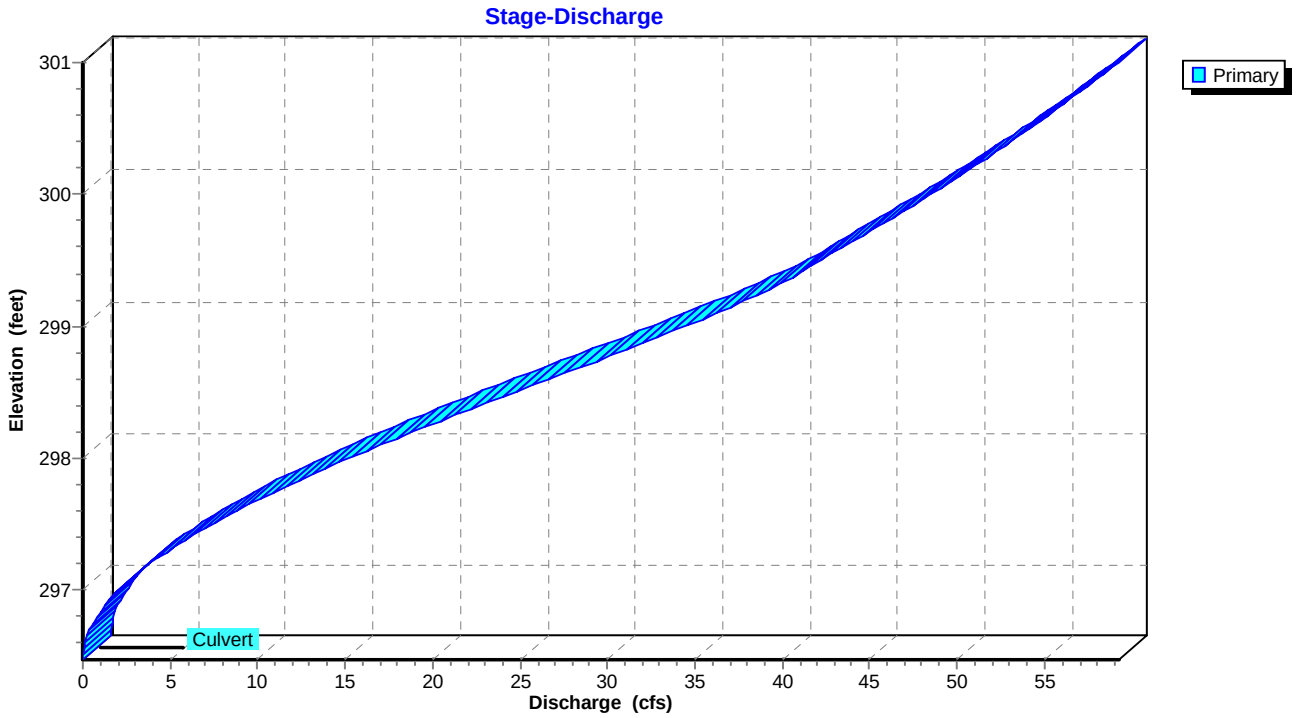
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=32.37 cfs @ 12.15 hrs HW=298.89' TW=296.13' (Dynamic Tailwater)
1=Culvert (Inlet Controls 32.37 cfs @ 5.30 fps)

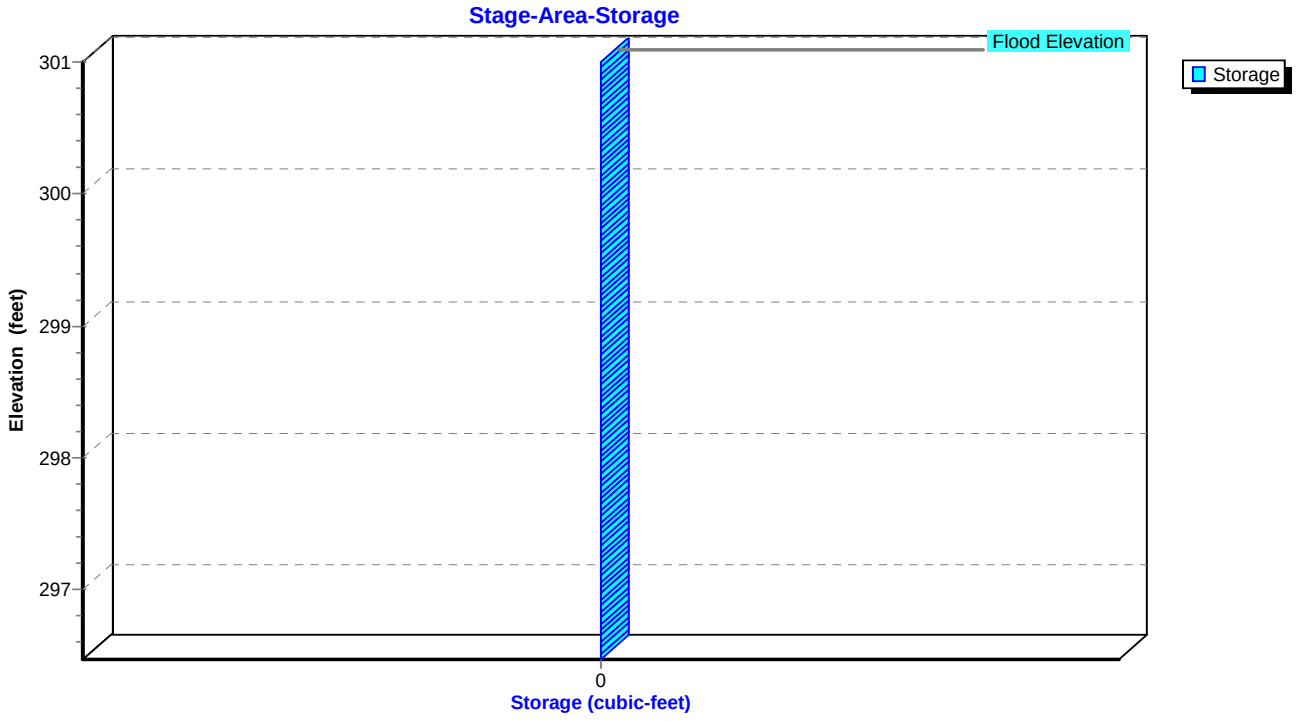
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.47	0.00
6.50	0.00	296.48	0.00
7.00	0.01	296.50	0.01
7.50	0.03	296.54	0.03
8.00	0.10	296.58	0.10
8.50	0.22	296.64	0.22
9.00	0.40	296.70	0.40
9.50	0.63	296.76	0.63
10.00	0.92	296.82	0.92
10.50	1.36	296.89	1.36
11.00	1.96	296.98	1.96
11.50	3.41	297.15	3.41
12.00	**21.16**	**298.32**	**21.16**
12.50	**17.37**	**298.12**	**17.37**
13.00	5.84	297.38	5.84
13.50	3.97	297.21	3.97
14.00	3.24	297.14	3.24
14.50	2.77	297.08	2.77
15.00	2.43	297.04	2.43
15.50	2.09	297.00	2.09
16.00	1.75	296.95	1.75
16.50	1.52	296.92	1.52
17.00	1.36	296.90	1.36
17.50	1.21	296.87	1.21
18.00	1.06	296.84	1.06
18.50	0.97	296.83	0.97
19.00	0.92	296.82	0.92
19.50	0.88	296.81	0.88
20.00	0.83	296.80	0.83
20.50	0.79	296.79	0.79
21.00	0.76	296.79	0.76
21.50	0.73	296.78	0.73
22.00	0.69	296.77	0.69
22.50	0.66	296.76	0.66
23.00	0.62	296.76	0.62
23.50	0.59	296.75	0.59
24.00	0.55	296.74	0.55

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

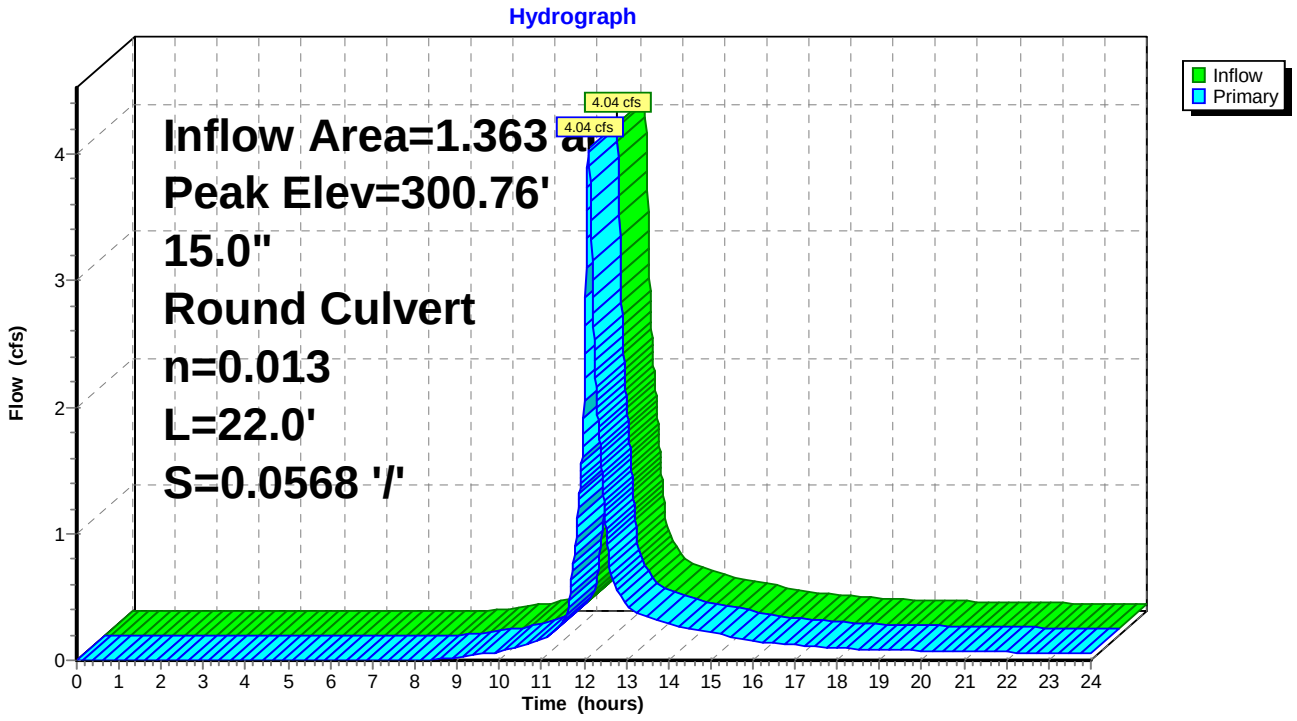
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 4.04 cfs @ 12.12 hrs, Volume= 0.308 af
Outflow = 4.04 cfs @ 12.12 hrs, Volume= 0.308 af, Atten= 0%, Lag= 0.0 min
Primary = 4.04 cfs @ 12.12 hrs, Volume= 0.308 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.76' @ 12.12 hrs
Flood Elev= 302.30'

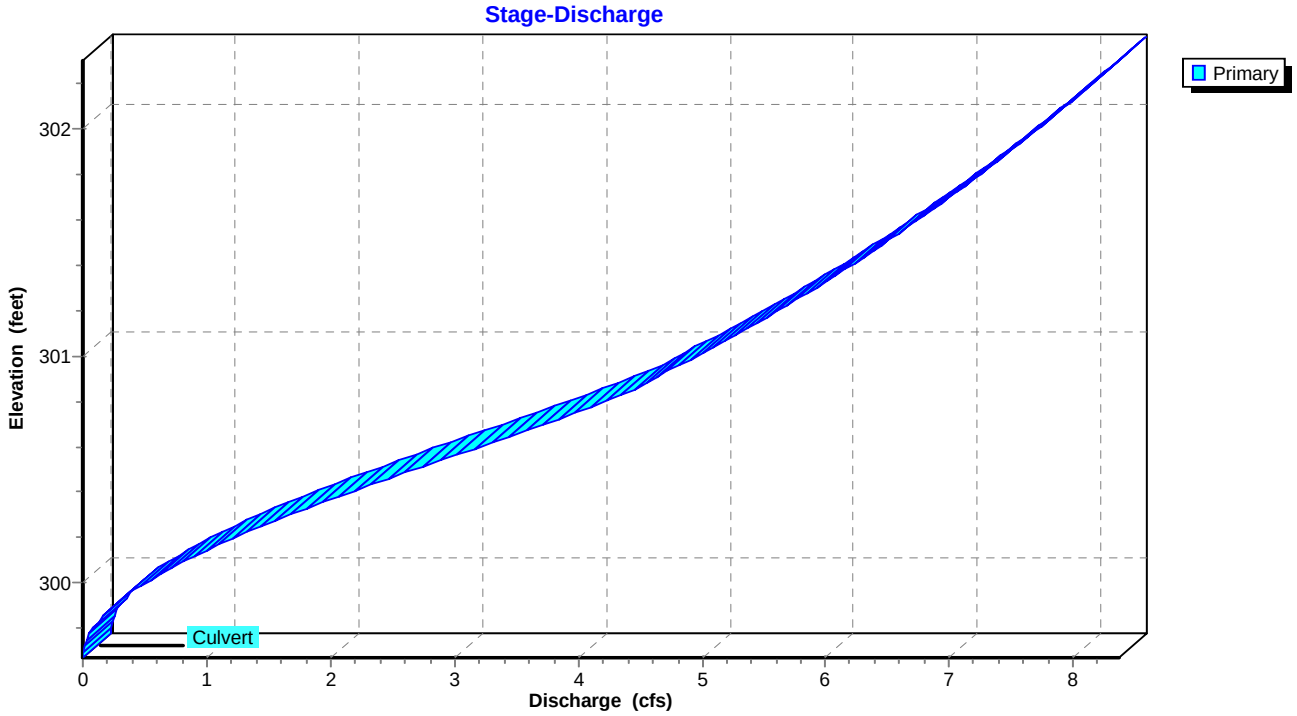
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.04 cfs @ 12.12 hrs HW=300.76' TW=298.86' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.04 cfs @ 3.56 fps)

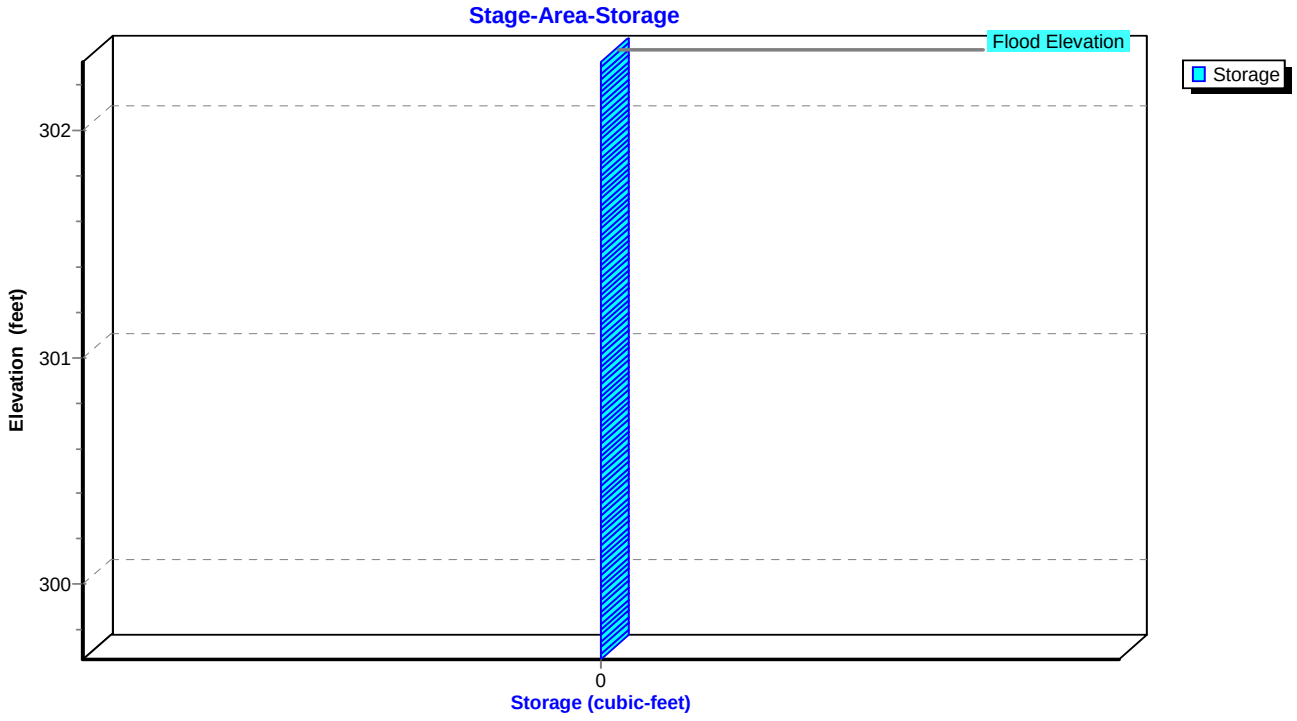
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.67	0.00
8.00	0.00	299.67	0.00
8.50	0.01	299.71	0.01
9.00	0.02	299.74	0.02
9.50	0.04	299.76	0.04
10.00	0.07	299.79	0.07
10.50	0.11	299.82	0.11
11.00	0.16	299.85	0.16
11.50	0.30	299.92	0.30
12.00	**2.06**	**300.38**	**2.06**
12.50	**1.17**	**300.19**	**1.17**
13.00	0.45	299.98	0.45
13.50	0.35	299.94	0.35
14.00	0.29	299.91	0.29
14.50	0.25	299.90	0.25
15.00	0.22	299.88	0.22
15.50	0.19	299.87	0.19
16.00	0.15	299.85	0.15
16.50	0.14	299.84	0.14
17.00	0.12	299.83	0.12
17.50	0.11	299.82	0.11
18.00	0.10	299.81	0.10
18.50	0.09	299.80	0.09
19.00	0.08	299.80	0.08
19.50	0.08	299.80	0.08
20.00	0.08	299.79	0.08
20.50	0.07	299.79	0.07
21.00	0.07	299.79	0.07
21.50	0.07	299.79	0.07
22.00	0.06	299.78	0.06
22.50	0.06	299.78	0.06
23.00	0.06	299.78	0.06
23.50	0.05	299.77	0.05
24.00	0.05	299.77	0.05

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

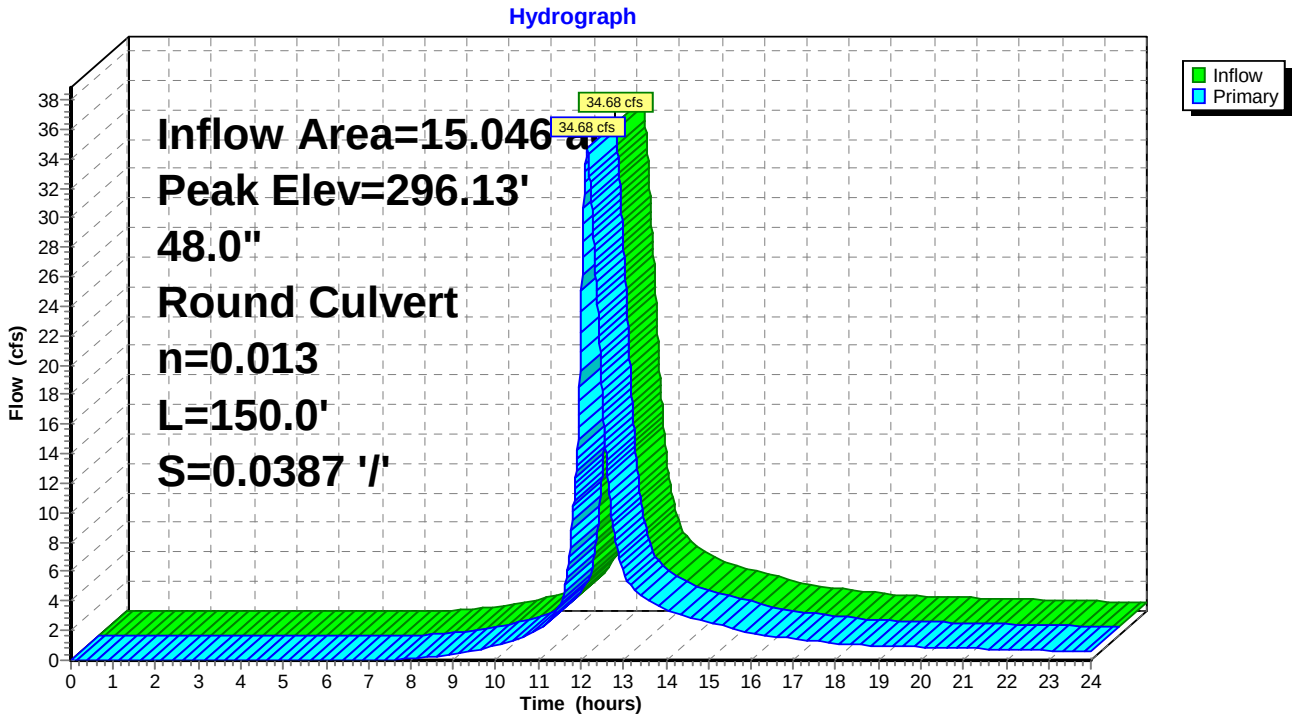
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 2.95" for 10-Year event
Inflow = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af
Outflow = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af, Atten= 0%, Lag= 0.0 min
Primary = 34.68 cfs @ 12.15 hrs, Volume= 3.697 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.13' @ 12.15 hrs
Flood Elev= 298.50'

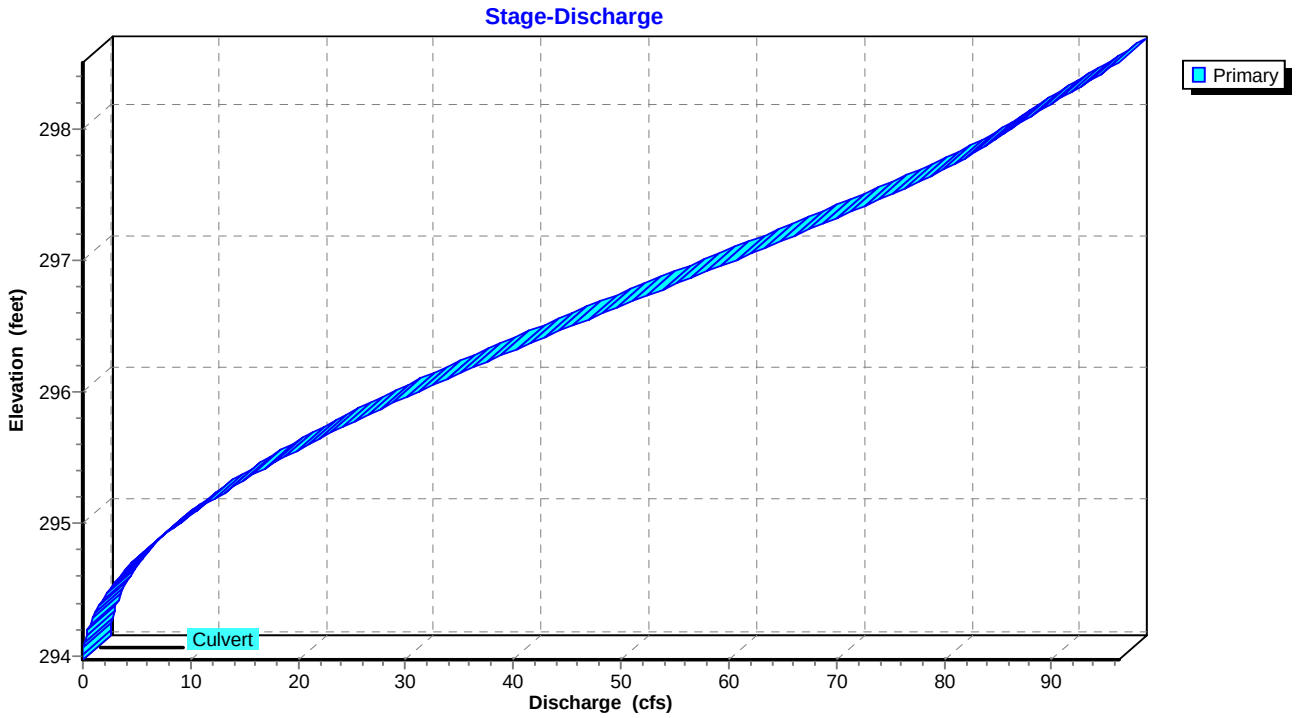
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=34.67 cfs @ 12.15 hrs HW=296.13' TW=289.08' (Dynamic Tailwater)
1=Culvert (Inlet Controls 34.67 cfs @ 5.01 fps)

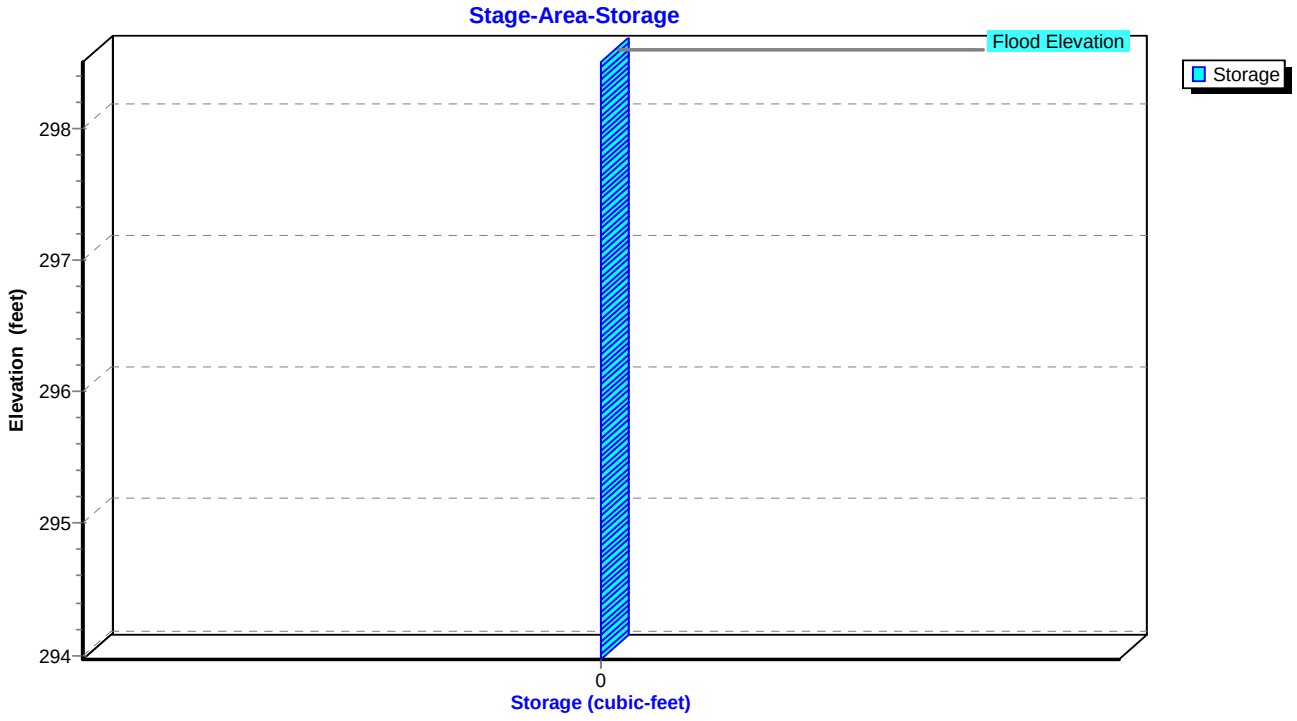
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.97	0.00
6.50	0.00	293.97	0.00
7.00	0.01	294.00	0.01
7.50	0.04	294.03	0.04
8.00	0.10	294.08	0.10
8.50	0.23	294.13	0.23
9.00	0.42	294.19	0.42
9.50	0.67	294.24	0.67
10.00	0.98	294.30	0.98
10.50	1.44	294.37	1.44
11.00	2.07	294.46	2.07
11.50	3.61	294.62	3.61
12.00	**22.23**	**295.66**	**22.23**
12.50	**18.25**	**295.48**	**18.25**
13.00	6.13	294.82	6.13
13.50	4.19	294.67	4.19
14.00	3.42	294.60	3.42
14.50	2.92	294.55	2.92
15.00	2.56	294.51	2.56
15.50	2.21	294.47	2.21
16.00	1.84	294.43	1.84
16.50	1.60	294.40	1.60
17.00	1.44	294.37	1.44
17.50	1.28	294.35	1.28
18.00	1.12	294.33	1.12
18.50	1.03	294.31	1.03
19.00	0.98	294.30	0.98
19.50	0.93	294.29	0.93
20.00	0.88	294.29	0.88
20.50	0.84	294.28	0.84
21.00	0.80	294.27	0.80
21.50	0.77	294.26	0.77
22.00	0.73	294.26	0.73
22.50	0.69	294.25	0.69
23.00	0.66	294.24	0.66
23.50	0.62	294.23	0.62
24.00	0.58	294.23	0.58

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

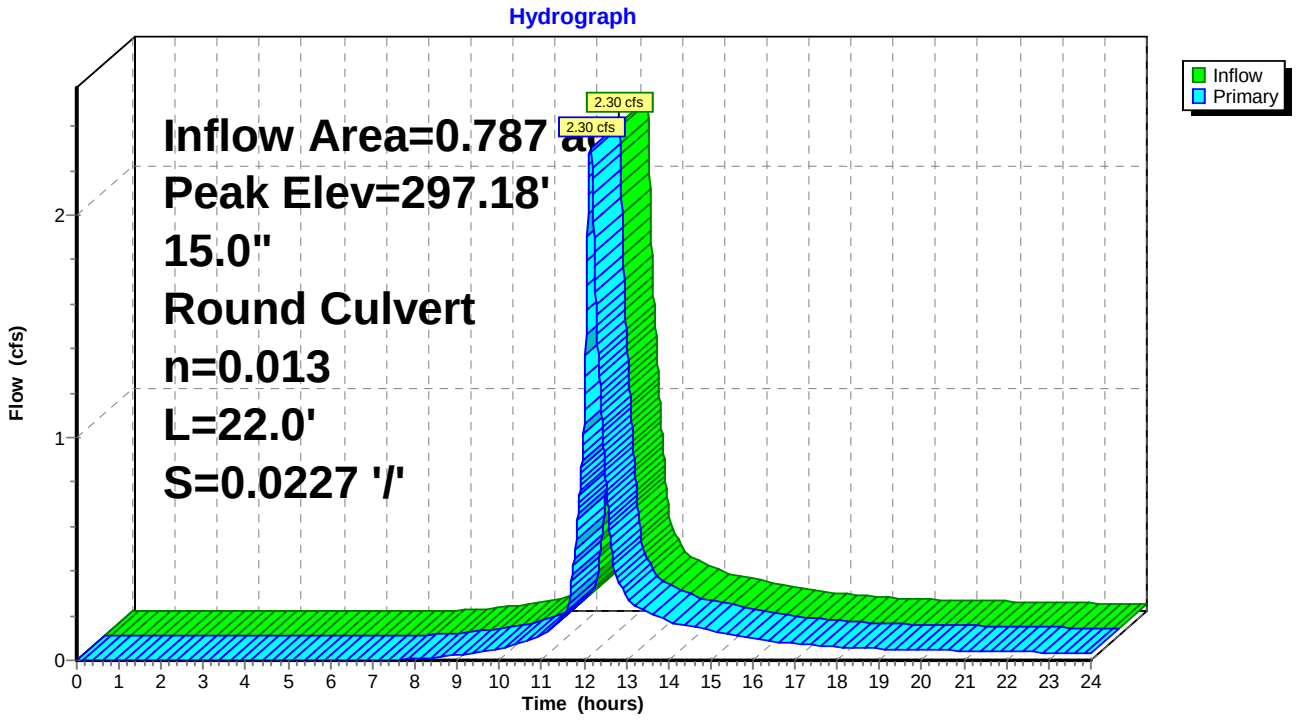
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 2.30 cfs @ 12.16 hrs, Volume= 0.195 af
Outflow = 2.30 cfs @ 12.16 hrs, Volume= 0.195 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.16 hrs, Volume= 0.195 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.18' @ 12.16 hrs
Flood Elev= 299.00'

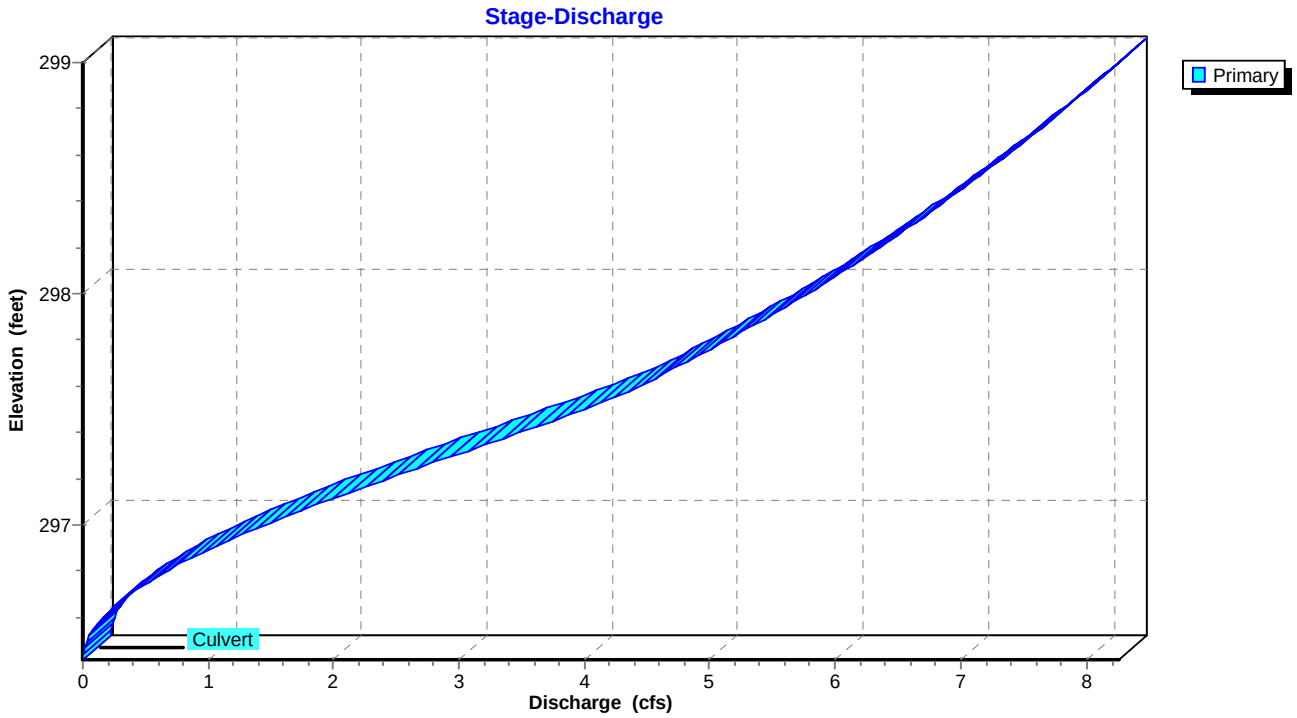
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.30 cfs @ 12.16 hrs HW=297.18' TW=296.13' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.96 fps)

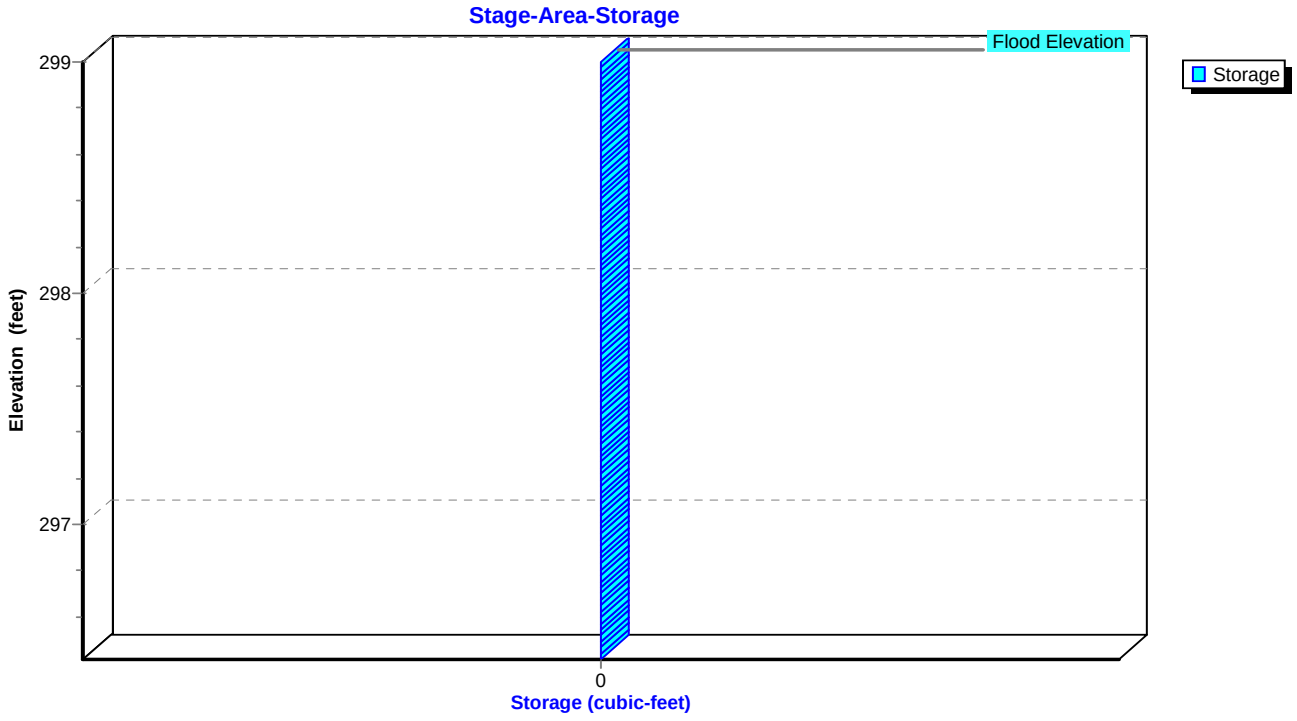
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.42	0.00
7.50	0.00	296.44	0.00
8.00	0.01	296.46	0.01
8.50	0.01	296.47	0.01
9.00	0.02	296.49	0.02
9.50	0.04	296.51	0.04
10.00	0.05	296.52	0.05
10.50	0.08	296.55	0.08
11.00	0.11	296.57	0.11
11.50	0.20	296.62	0.20
12.00	**1.07**	**296.91**	**1.07**
12.50	**0.88**	**296.86**	**0.88**
13.00	0.29	296.67	0.29
13.50	0.22	296.63	0.22
14.00	0.18	296.61	0.18
14.50	0.15	296.60	0.15
15.00	0.13	296.59	0.13
15.50	0.11	296.57	0.11
16.00	0.10	296.56	0.10
16.50	0.08	296.55	0.08
17.00	0.08	296.54	0.08
17.50	0.07	296.54	0.07
18.00	0.06	296.53	0.06
18.50	0.05	296.52	0.05
19.00	0.05	296.52	0.05
19.50	0.05	296.52	0.05
20.00	0.05	296.52	0.05
20.50	0.04	296.51	0.04
21.00	0.04	296.51	0.04
21.50	0.04	296.51	0.04
22.00	0.04	296.51	0.04
22.50	0.04	296.51	0.04
23.00	0.03	296.50	0.03
23.50	0.03	296.50	0.03
24.00	0.03	296.50	0.03

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

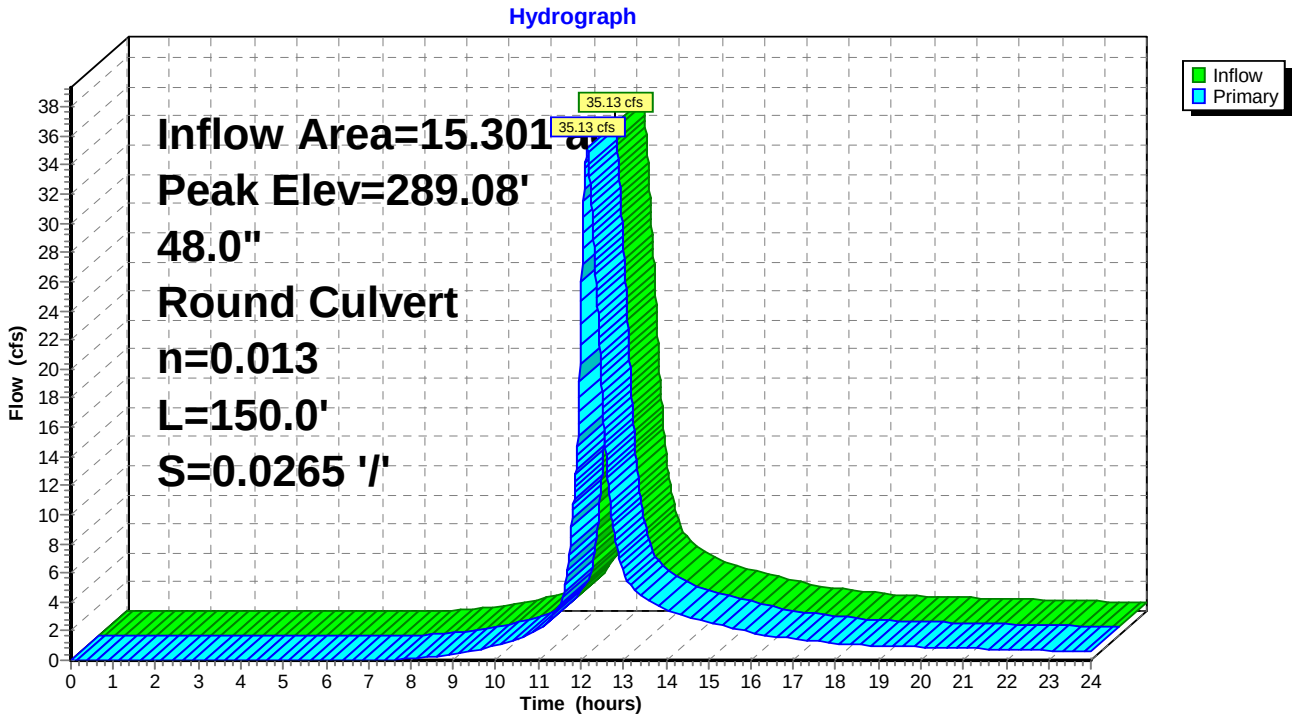
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 2.95" for 10-Year event
Inflow = 35.13 cfs @ 12.15 hrs, Volume= 3.758 af
Outflow = 35.13 cfs @ 12.15 hrs, Volume= 3.758 af, Atten= 0%, Lag= 0.0 min
Primary = 35.13 cfs @ 12.15 hrs, Volume= 3.758 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 289.08' @ 12.15 hrs
Flood Elev= 292.50'

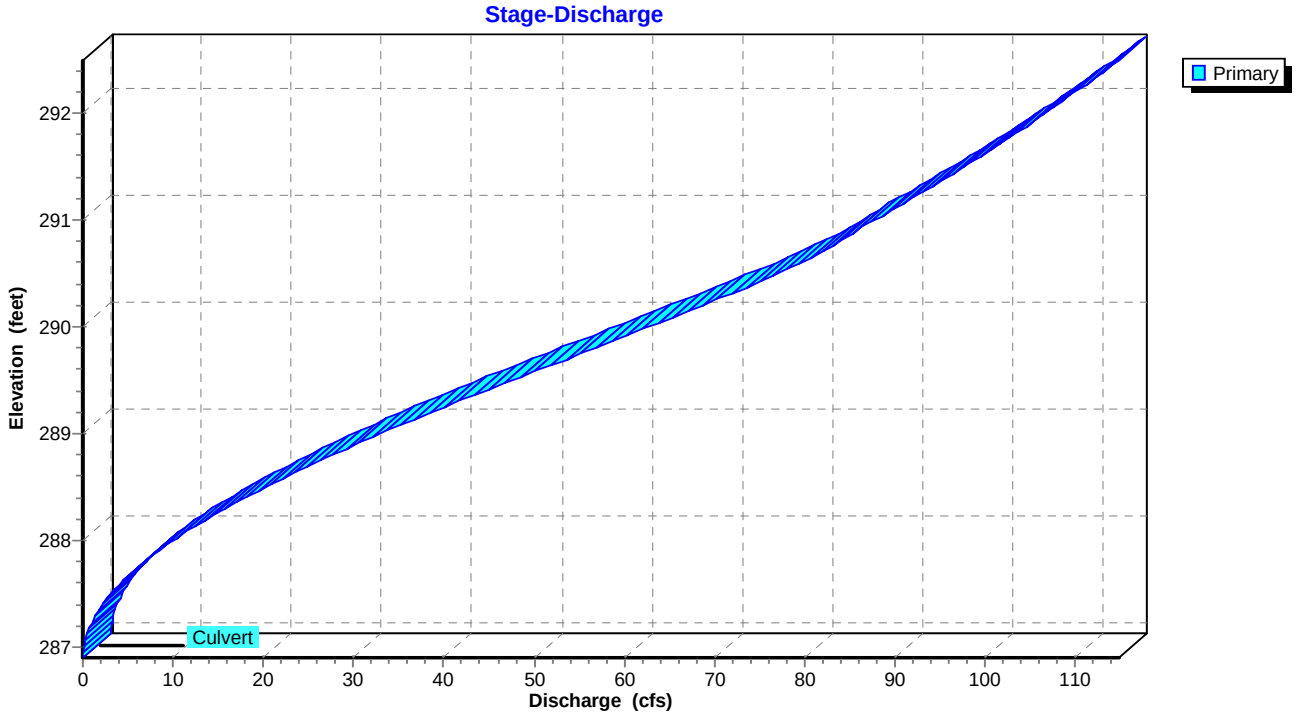
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=35.12 cfs @ 12.15 hrs HW=289.08' TW=285.23' (Dynamic Tailwater)
1=Culvert (Inlet Controls 35.12 cfs @ 5.02 fps)

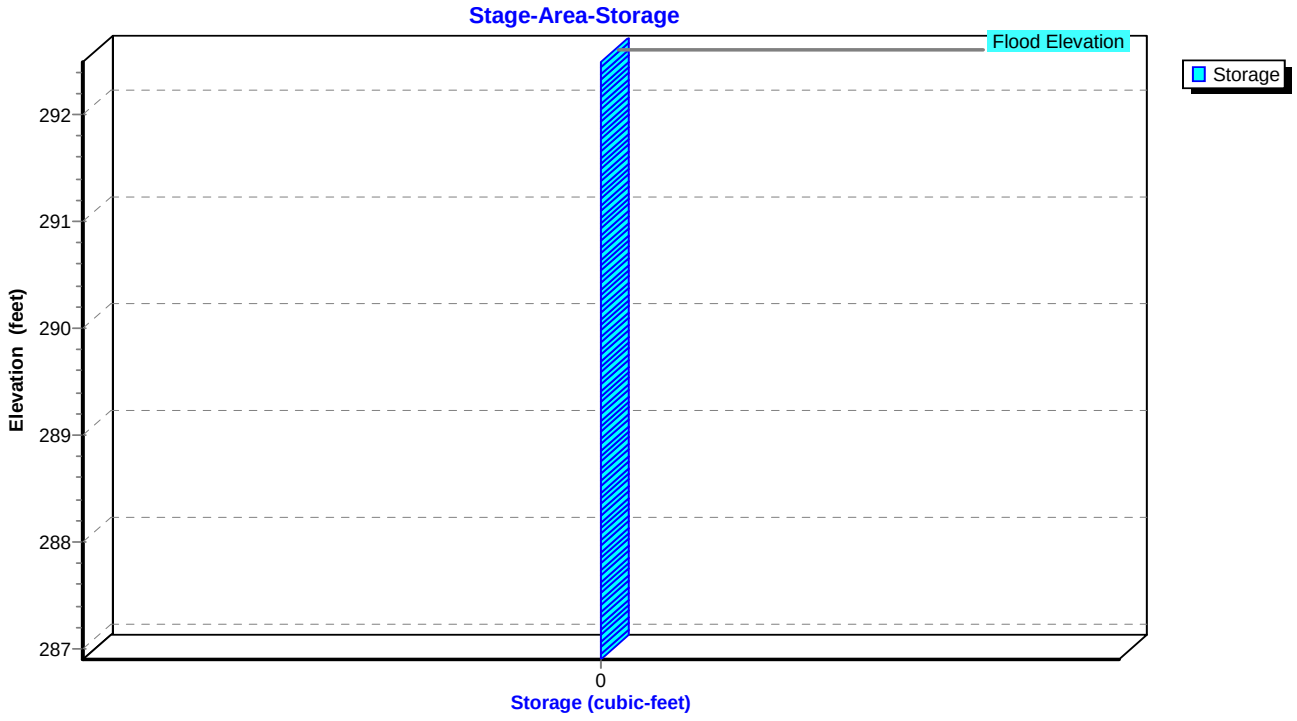
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.90	0.00
5.50	0.00	286.90	0.00
6.00	0.00	286.90	0.00
6.50	0.00	286.90	0.00
7.00	0.01	286.93	0.01
7.50	0.04	286.96	0.04
8.00	0.11	287.01	0.11
8.50	0.23	287.06	0.23
9.00	0.43	287.12	0.43
9.50	0.68	287.18	0.68
10.00	0.99	287.23	0.99
10.50	1.46	287.31	1.46
11.00	2.11	287.39	2.11
11.50	3.68	287.55	3.68
12.00	**23.08**	**288.62**	**23.08**
12.50	**18.40**	**288.42**	**18.40**
13.00	6.21	287.76	6.21
13.50	4.26	287.60	4.26
14.00	3.48	287.53	3.48
14.50	2.97	287.49	2.97
15.00	2.61	287.45	2.61
15.50	2.24	287.41	2.24
16.00	1.87	287.36	1.87
16.50	1.63	287.33	1.63
17.00	1.46	287.31	1.46
17.50	1.30	287.28	1.30
18.00	1.14	287.26	1.14
18.50	1.04	287.24	1.04
19.00	0.99	287.23	0.99
19.50	0.94	287.23	0.94
20.00	0.89	287.22	0.89
20.50	0.85	287.21	0.85
21.00	0.82	287.20	0.82
21.50	0.78	287.20	0.78
22.00	0.74	287.19	0.74
22.50	0.70	287.18	0.70
23.00	0.67	287.17	0.67
23.50	0.63	287.17	0.63
24.00	0.59	287.16	0.59

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

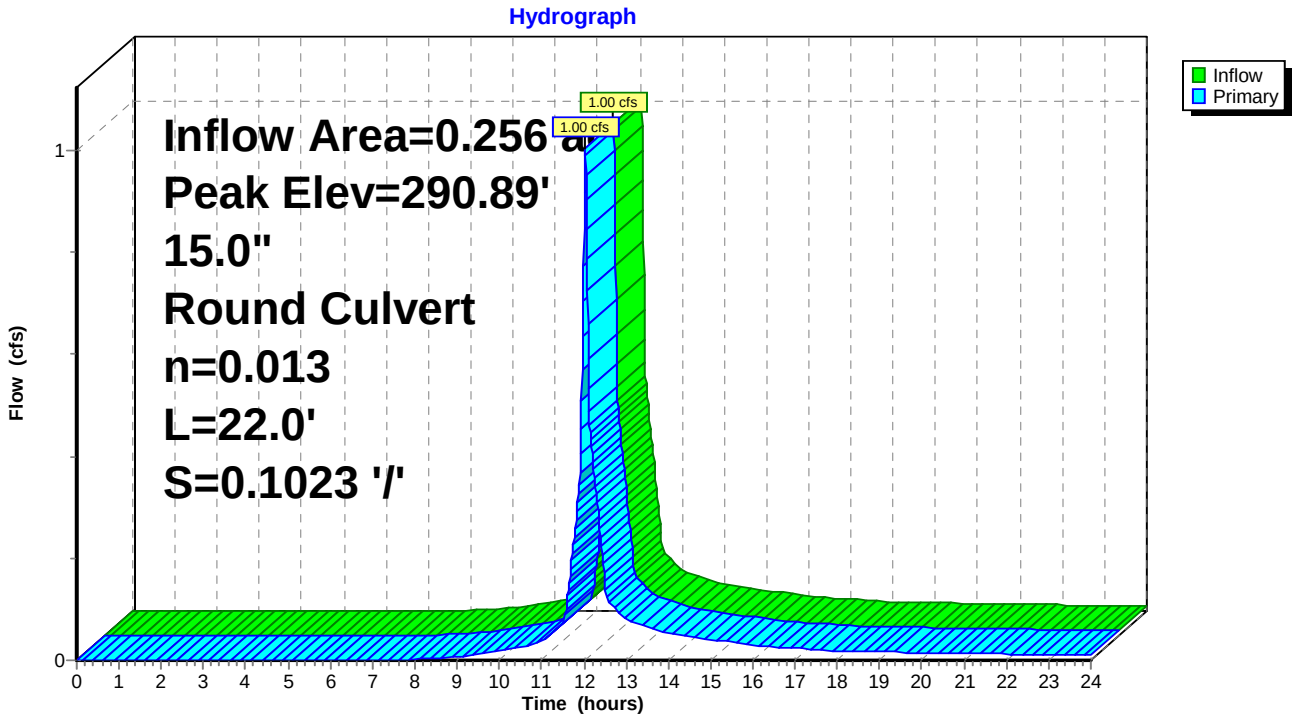
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 2.89" for 10-Year event
Inflow = 1.00 cfs @ 12.03 hrs, Volume= 0.062 af
Outflow = 1.00 cfs @ 12.03 hrs, Volume= 0.062 af, Atten= 0%, Lag= 0.0 min
Primary = 1.00 cfs @ 12.03 hrs, Volume= 0.062 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 290.89' @ 12.03 hrs
Flood Elev= 293.00'

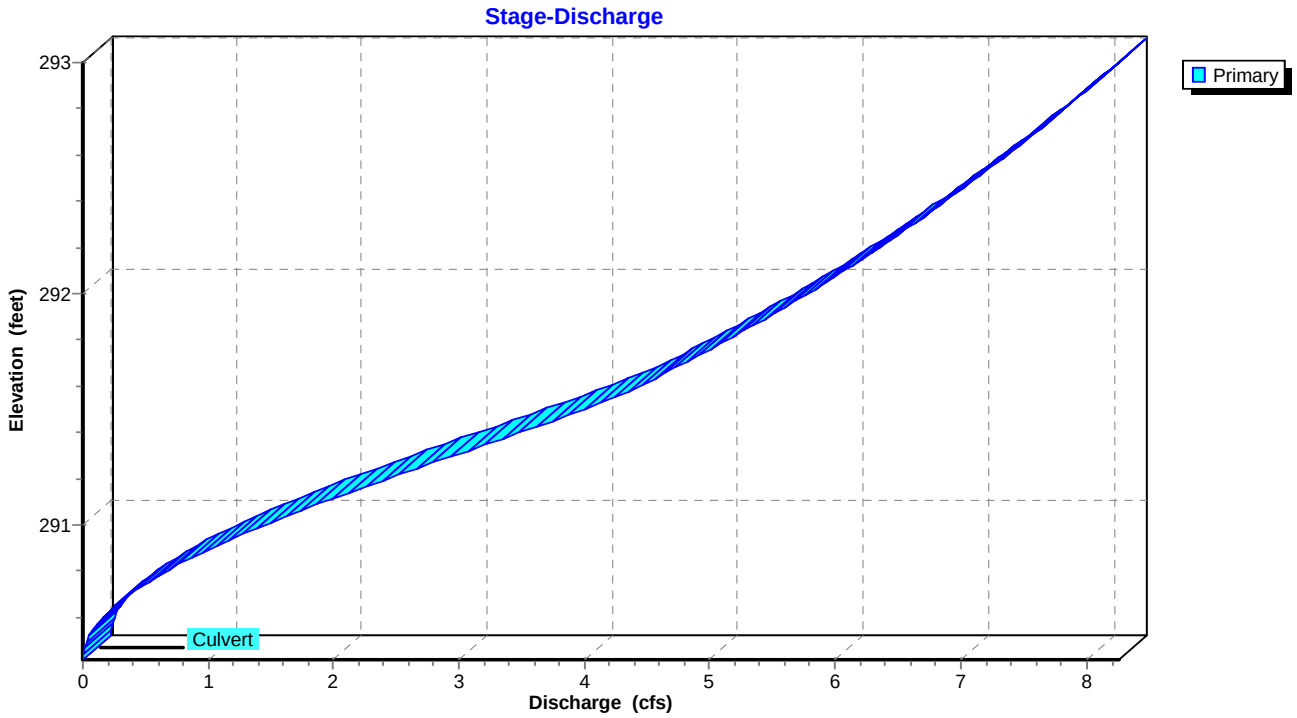
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.00 cfs @ 12.03 hrs HW=290.89' TW=288.79' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.00 cfs @ 2.34 fps)

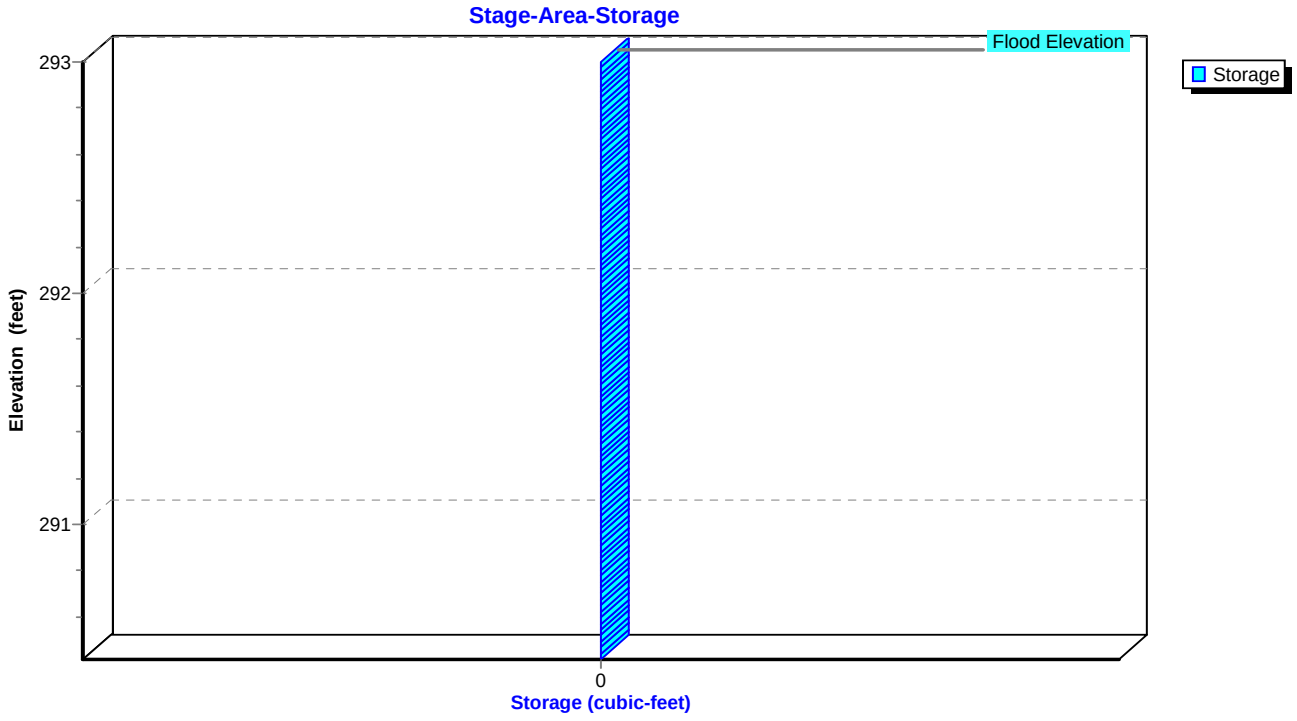
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.42	0.00
6.50	0.00	290.42	0.00
7.00	0.00	290.42	0.00
7.50	0.00	290.42	0.00
8.00	0.00	290.44	0.00
8.50	0.00	290.45	0.00
9.00	0.01	290.46	0.01
9.50	0.01	290.47	0.01
10.00	0.02	290.48	0.02
10.50	0.03	290.49	0.03
11.00	0.04	290.51	0.04
11.50	0.07	290.54	0.07
12.00	**0.84**	**290.85**	**0.84**
12.50	**0.15**	**290.60**	**0.15**
13.00	0.08	290.55	0.08
13.50	0.07	290.54	0.07
14.00	0.05	290.52	0.05
14.50	0.05	290.52	0.05
15.00	0.04	290.51	0.04
15.50	0.03	290.50	0.03
16.00	0.03	290.50	0.03
16.50	0.03	290.49	0.03
17.00	0.02	290.49	0.02
17.50	0.02	290.48	0.02
18.00	0.02	290.48	0.02
18.50	0.02	290.48	0.02
19.00	0.02	290.48	0.02
19.50	0.02	290.48	0.02
20.00	0.01	290.47	0.01
20.50	0.01	290.47	0.01
21.00	0.01	290.47	0.01
21.50	0.01	290.47	0.01
22.00	0.01	290.47	0.01
22.50	0.01	290.47	0.01
23.00	0.01	290.47	0.01
23.50	0.01	290.47	0.01
24.00	0.01	290.46	0.01

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

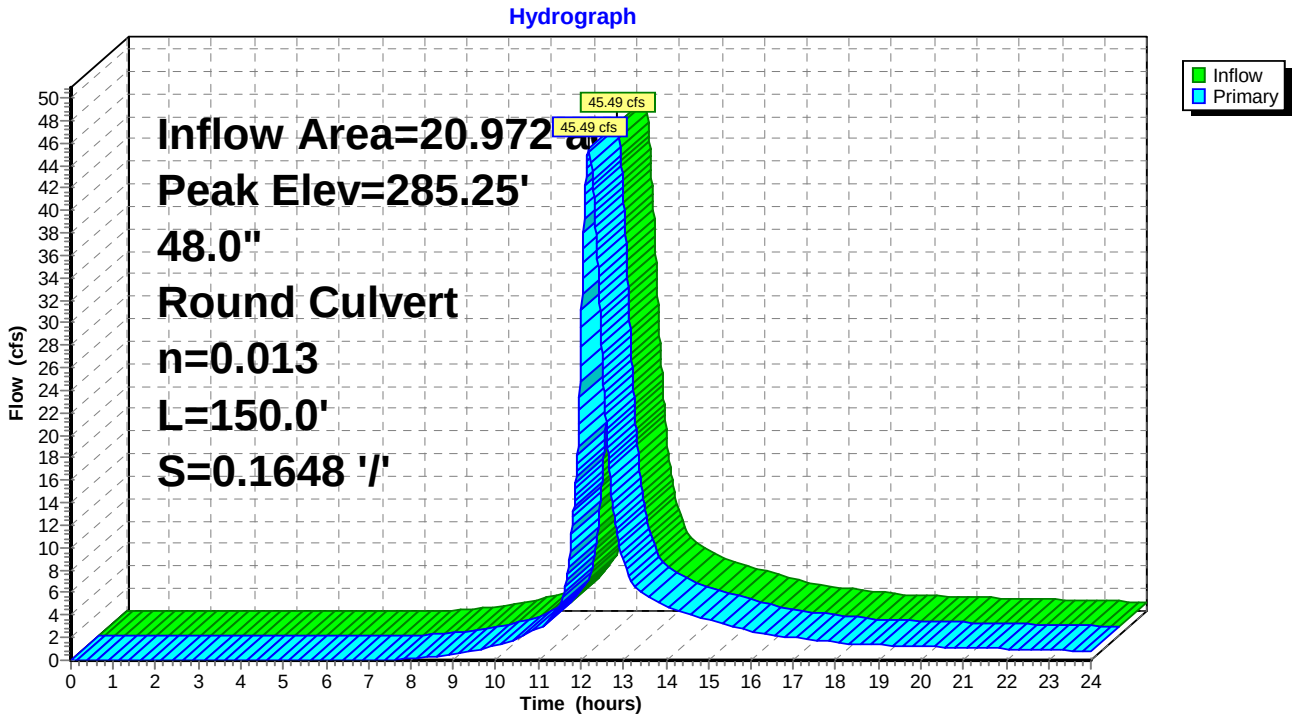
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 2.93" for 10-Year event
Inflow = 45.49 cfs @ 12.18 hrs, Volume= 5.120 af
Outflow = 45.49 cfs @ 12.18 hrs, Volume= 5.120 af, Atten= 0%, Lag= 0.0 min
Primary = 45.49 cfs @ 12.18 hrs, Volume= 5.120 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 285.25' @ 12.18 hrs
Flood Elev= 287.25'

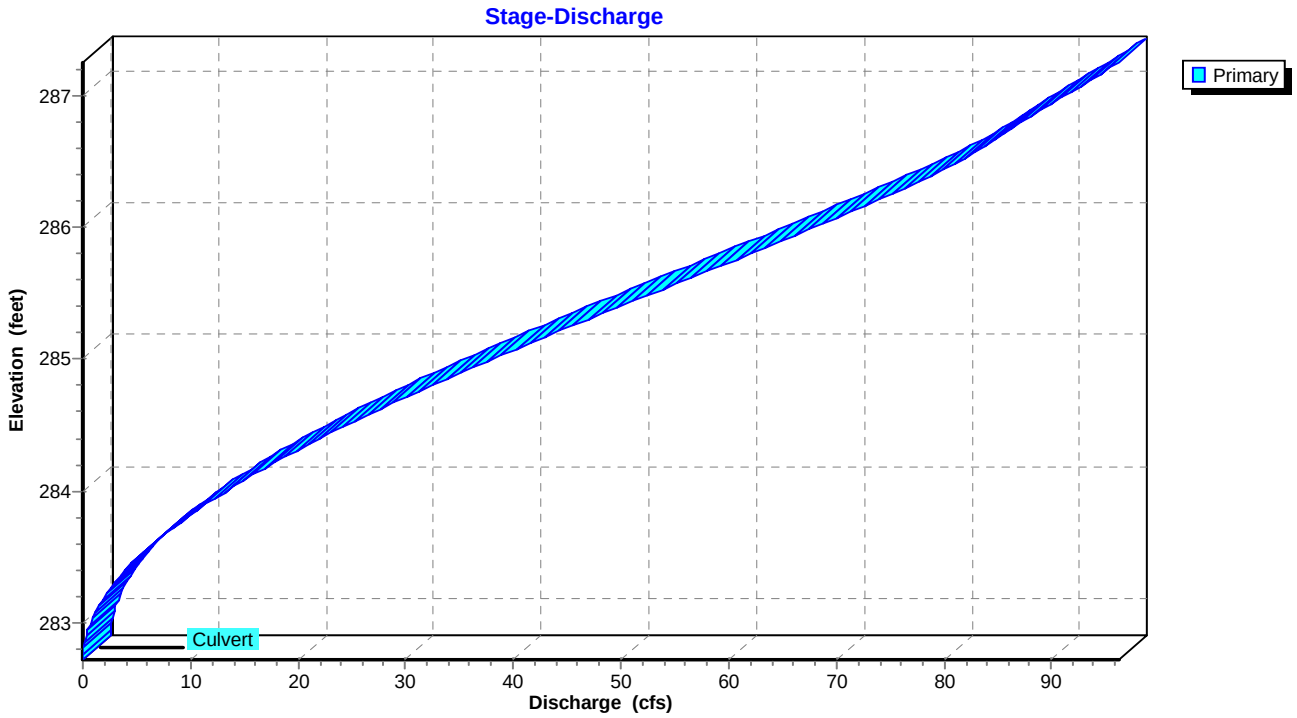
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=45.48 cfs @ 12.18 hrs HW=285.25' (Free Discharge)
1=Culvert (Inlet Controls 45.48 cfs @ 5.42 fps)

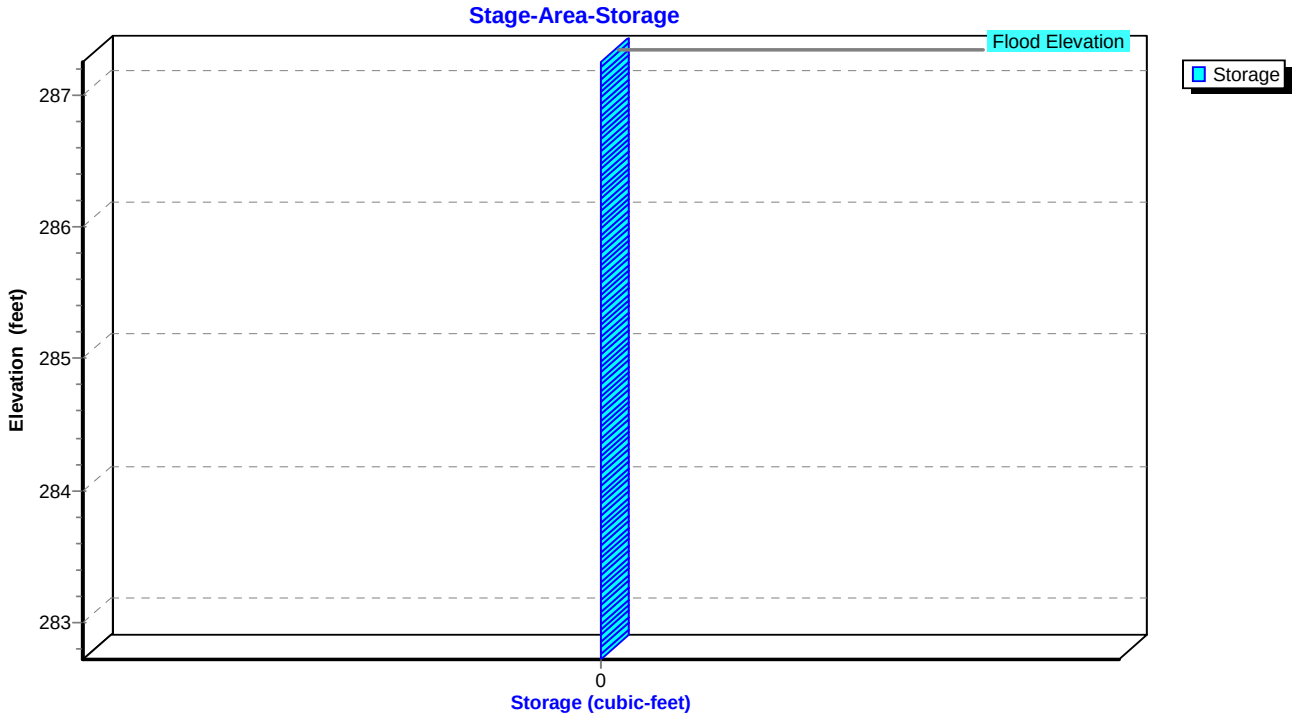
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.72	0.00
5.50	0.00	282.72	0.00
6.00	0.00	282.72	0.00
6.50	0.00	282.72	0.00
7.00	0.01	282.75	0.01
7.50	0.04	282.78	0.04
8.00	0.12	282.84	0.12
8.50	0.29	282.90	0.29
9.00	0.55	282.97	0.55
9.50	0.89	283.04	0.89
10.00	1.31	283.11	1.31
10.50	1.93	283.19	1.93
11.00	2.80	283.29	2.80
11.50	4.83	283.47	4.83
12.00	**27.86**	**284.63**	**27.86**
12.50	**27.31**	**284.61**	**27.31**
13.00	8.80	283.75	8.80
13.50	5.88	283.55	5.88
14.00	4.81	283.47	4.81
14.50	4.09	283.41	4.09
15.00	3.59	283.37	3.59
15.50	3.09	283.32	3.09
16.00	2.59	283.27	2.59
16.50	2.24	283.23	2.24
17.00	2.01	283.20	2.01
17.50	1.79	283.17	1.79
18.00	1.57	283.14	1.57
18.50	1.43	283.12	1.43
19.00	1.36	283.11	1.36
19.50	1.29	283.10	1.29
20.00	1.23	283.09	1.23
20.50	1.17	283.08	1.17
21.00	1.12	283.08	1.12
21.50	1.07	283.07	1.07
22.00	1.02	283.06	1.02
22.50	0.97	283.05	0.97
23.00	0.91	283.04	0.91
23.50	0.86	283.03	0.86
24.00	0.81	283.02	0.81

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

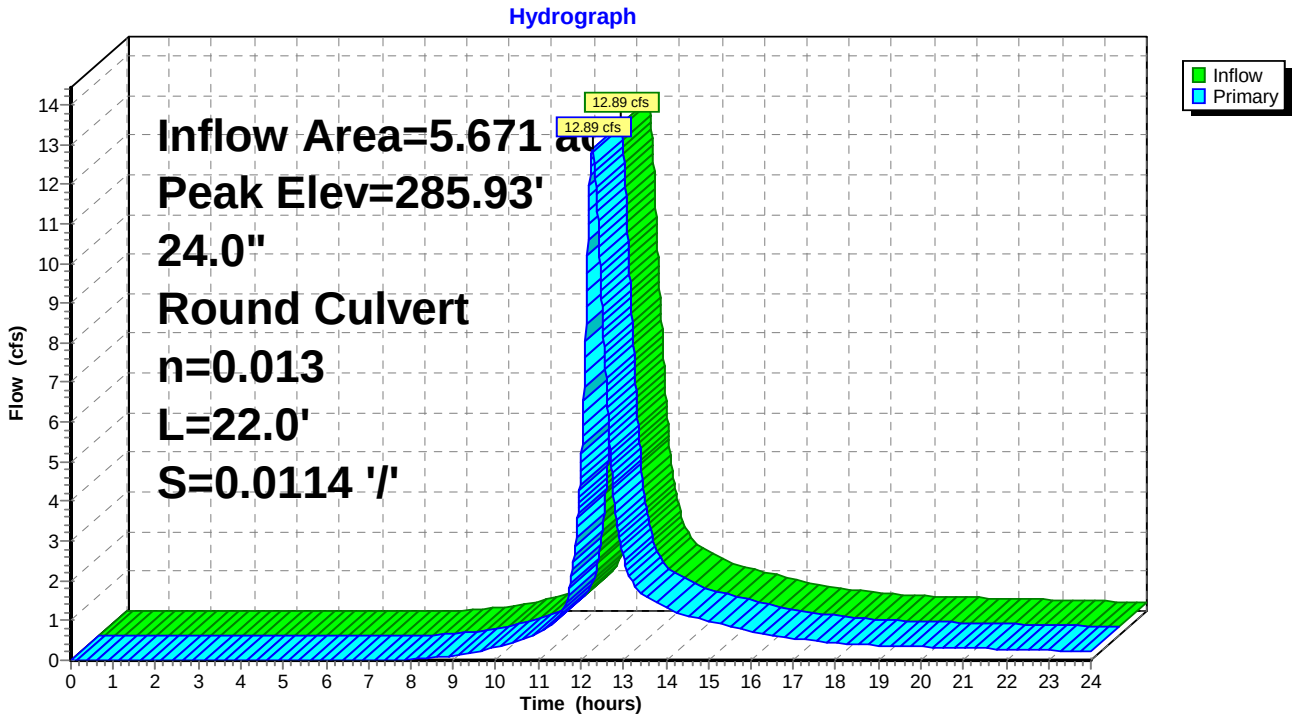
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 2.88" for 10-Year event
Inflow = 12.89 cfs @ 12.29 hrs, Volume= 1.362 af
Outflow = 12.89 cfs @ 12.29 hrs, Volume= 1.362 af, Atten= 0%, Lag= 0.0 min
Primary = 12.89 cfs @ 12.29 hrs, Volume= 1.362 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 285.93' @ 12.25 hrs
Flood Elev= 286.00'

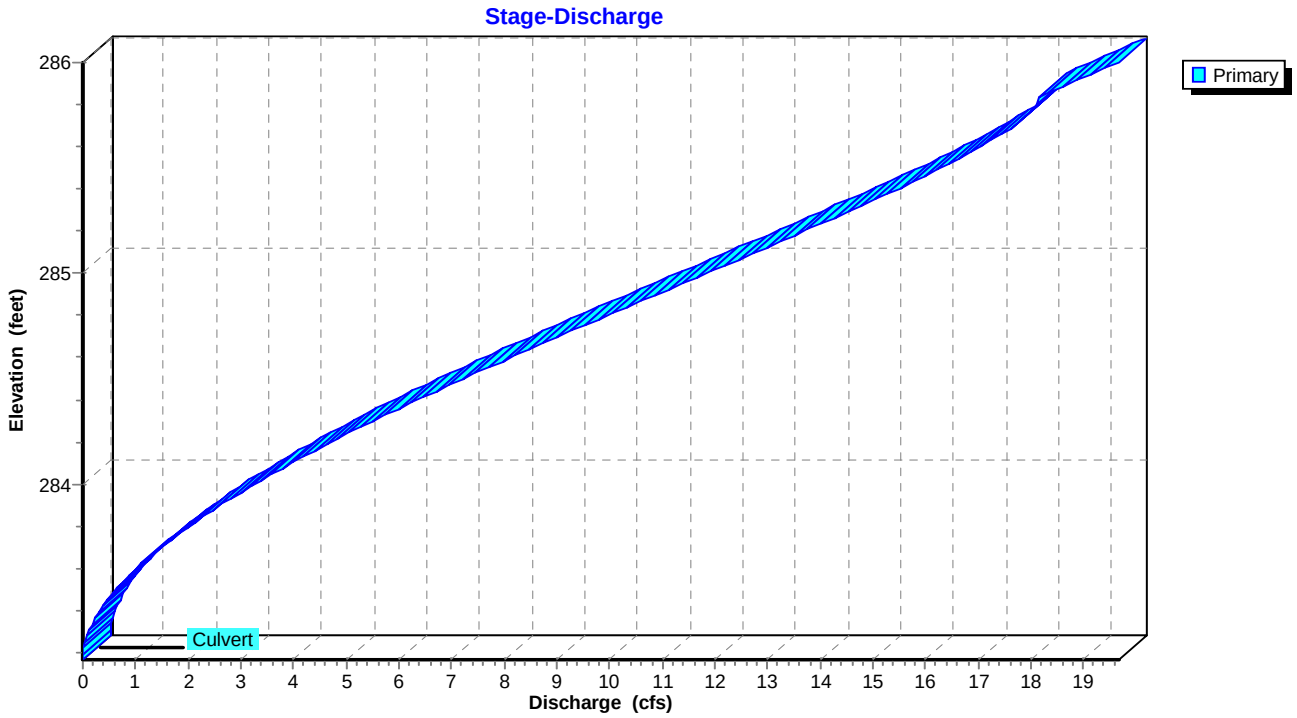
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.03 cfs @ 12.29 hrs HW=285.90' TW=285.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 13.03 cfs @ 4.15 fps)

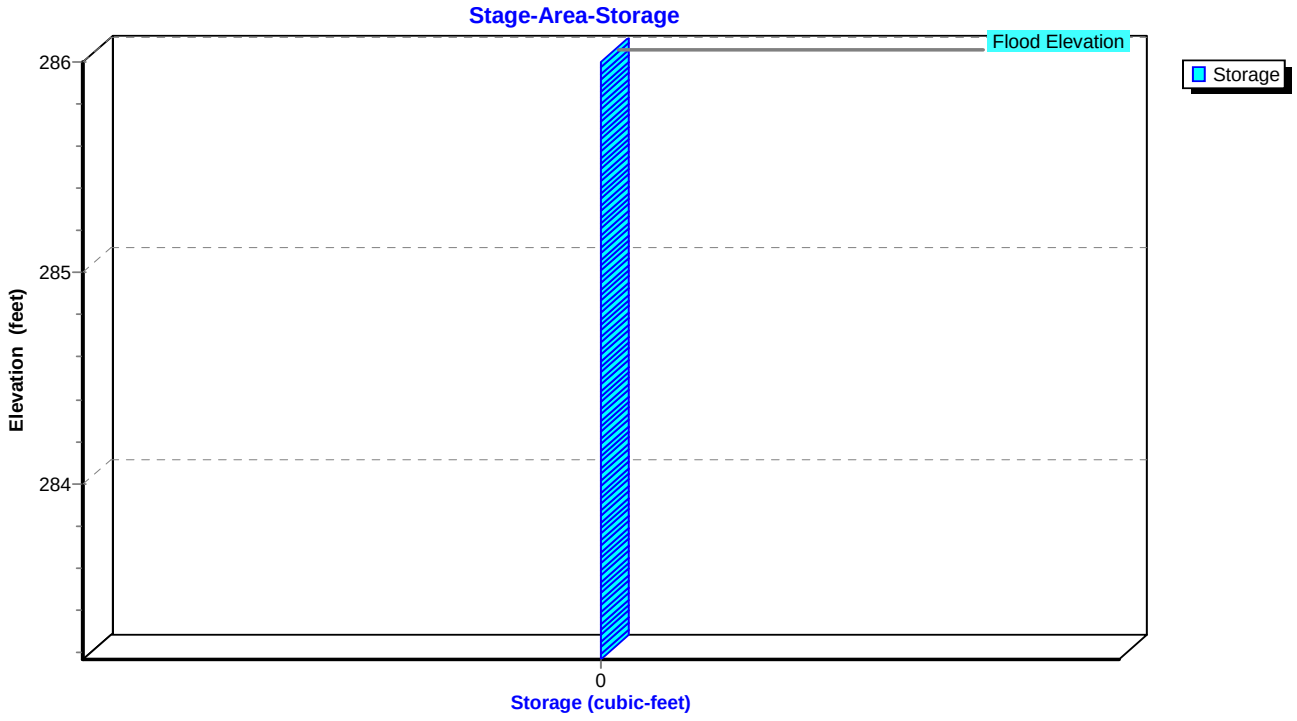
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.17	0.00
6.50	0.00	283.17	0.00
7.00	0.00	283.17	0.00
7.50	0.00	283.17	0.00
8.00	0.02	283.23	0.02
8.50	0.06	283.27	0.06
9.00	0.12	283.31	0.12
9.50	0.21	283.36	0.21
10.00	0.31	283.40	0.31
10.50	0.47	283.47	0.47
11.00	0.69	283.55	0.69
11.50	1.14	283.70	1.14
12.00	**4.78**	**284.74**	**4.78**
12.50	**8.91**	**285.03**	**8.91**
13.00	2.60	284.02	2.60
13.50	1.62	283.81	1.62
14.00	1.33	283.73	1.33
14.50	1.12	283.67	1.12
15.00	0.99	283.63	0.99
15.50	0.85	283.59	0.85
16.00	0.72	283.55	0.72
16.50	0.61	283.51	0.61
17.00	0.55	283.49	0.55
17.50	0.49	283.47	0.49
18.00	0.43	283.45	0.43
18.50	0.39	283.43	0.39
19.00	0.37	283.42	0.37
19.50	0.35	283.41	0.35
20.00	0.33	283.41	0.33
20.50	0.32	283.40	0.32
21.00	0.30	283.40	0.30
21.50	0.29	283.39	0.29
22.00	0.28	283.39	0.28
22.50	0.26	283.38	0.26
23.00	0.25	283.37	0.25
23.50	0.23	283.37	0.23
24.00	0.22	283.36	0.22

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	284.19	4.63	285.21	13.79
283.19	0.00	284.21	4.79	285.23	13.97
283.21	0.01	284.23	4.94	285.25	14.15
283.23	0.02	284.25	5.10	285.27	14.33
283.25	0.04	284.27	5.26	285.29	14.51
283.27	0.06	284.29	5.42	285.31	14.69
283.29	0.09	284.31	5.58	285.33	14.86
283.31	0.12	284.33	5.75	285.35	15.04
283.33	0.15	284.35	5.91	285.37	15.21
283.35	0.19	284.37	6.08	285.39	15.38
283.37	0.24	284.39	6.25	285.41	15.55
283.39	0.28	284.41	6.42	285.43	15.72
283.41	0.34	284.43	6.59	285.45	15.88
283.43	0.39	284.45	6.76	285.47	16.05
283.45	0.45	284.47	6.94	285.49	16.21
283.47	0.52	284.49	7.11	285.51	16.36
283.49	0.58	284.51	7.29	285.53	16.52
283.51	0.65	284.53	7.46	285.55	16.67
283.53	0.73	284.55	7.64	285.57	16.82
283.55	0.80	284.57	7.82	285.59	16.96
283.57	0.88	284.59	8.00	285.61	17.10
283.59	0.97	284.61	8.18	285.63	17.23
283.61	1.05	284.63	8.36	285.65	17.36
283.63	1.14	284.65	8.55	285.67	17.49
283.65	1.23	284.67	8.73	285.69	17.61
283.67	1.33	284.69	8.91	285.71	17.72
283.69	1.42	284.71	9.10	285.73	17.83
283.71	1.52	284.73	9.28	285.75	17.92
283.73	1.63	284.75	9.47	285.77	18.01
283.75	1.73	284.77	9.66	285.79	18.08
283.77	1.84	284.79	9.84	285.81	18.14
283.79	1.95	284.81	10.03	285.83	18.16
283.81	2.06	284.83	10.22	285.85	18.25
283.83	2.18	284.85	10.41	285.87	18.45
283.85	2.30	284.87	10.60	285.89	18.64
283.87	2.42	284.89	10.79	285.91	18.83
283.89	2.54	284.91	10.98	285.93	19.02
283.91	2.66	284.93	11.16	285.95	19.21
283.93	2.79	284.95	11.35	285.97	19.39
283.95	2.92	284.97	11.54	285.99	**19.58**
283.97	3.05	284.99	11.73		
283.99	3.19	285.01	11.92		
284.01	3.32	285.03	12.11		
284.03	3.46	285.05	12.30		
284.05	3.60	285.07	12.49		
284.07	3.74	285.09	12.67		
284.09	3.88	285.11	12.86		
284.11	4.03	285.13	13.05		
284.13	4.18	285.15	13.23		
284.15	4.33	285.17	13.42		
284.17	4.48	285.19	13.60		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	284.19	0	285.21	0
283.19	0	284.21	0	285.23	0
283.21	0	284.23	0	285.25	0
283.23	0	284.25	0	285.27	0
283.25	0	284.27	0	285.29	0
283.27	0	284.29	0	285.31	0
283.29	0	284.31	0	285.33	0
283.31	0	284.33	0	285.35	0
283.33	0	284.35	0	285.37	0
283.35	0	284.37	0	285.39	0
283.37	0	284.39	0	285.41	0
283.39	0	284.41	0	285.43	0
283.41	0	284.43	0	285.45	0
283.43	0	284.45	0	285.47	0
283.45	0	284.47	0	285.49	0
283.47	0	284.49	0	285.51	0
283.49	0	284.51	0	285.53	0
283.51	0	284.53	0	285.55	0
283.53	0	284.55	0	285.57	0
283.55	0	284.57	0	285.59	0
283.57	0	284.59	0	285.61	0
283.59	0	284.61	0	285.63	0
283.61	0	284.63	0	285.65	0
283.63	0	284.65	0	285.67	0
283.65	0	284.67	0	285.69	0
283.67	0	284.69	0	285.71	0
283.69	0	284.71	0	285.73	0
283.71	0	284.73	0	285.75	0
283.73	0	284.75	0	285.77	0
283.75	0	284.77	0	285.79	0
283.77	0	284.79	0	285.81	0
283.79	0	284.81	0	285.83	0
283.81	0	284.83	0	285.85	0
283.83	0	284.85	0	285.87	0
283.85	0	284.87	0	285.89	0
283.87	0	284.89	0	285.91	0
283.89	0	284.91	0	285.93	0
283.91	0	284.93	0	285.95	0
283.93	0	284.95	0	285.97	0
283.95	0	284.97	0	285.99	0
283.97	0	284.99	0		
283.99	0	285.01	0		
284.01	0	285.03	0		
284.03	0	285.05	0		
284.05	0	285.07	0		
284.07	0	285.09	0		
284.09	0	285.11	0		
284.11	0	285.13	0		
284.13	0	285.15	0		
284.15	0	285.17	0		
284.17	0	285.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

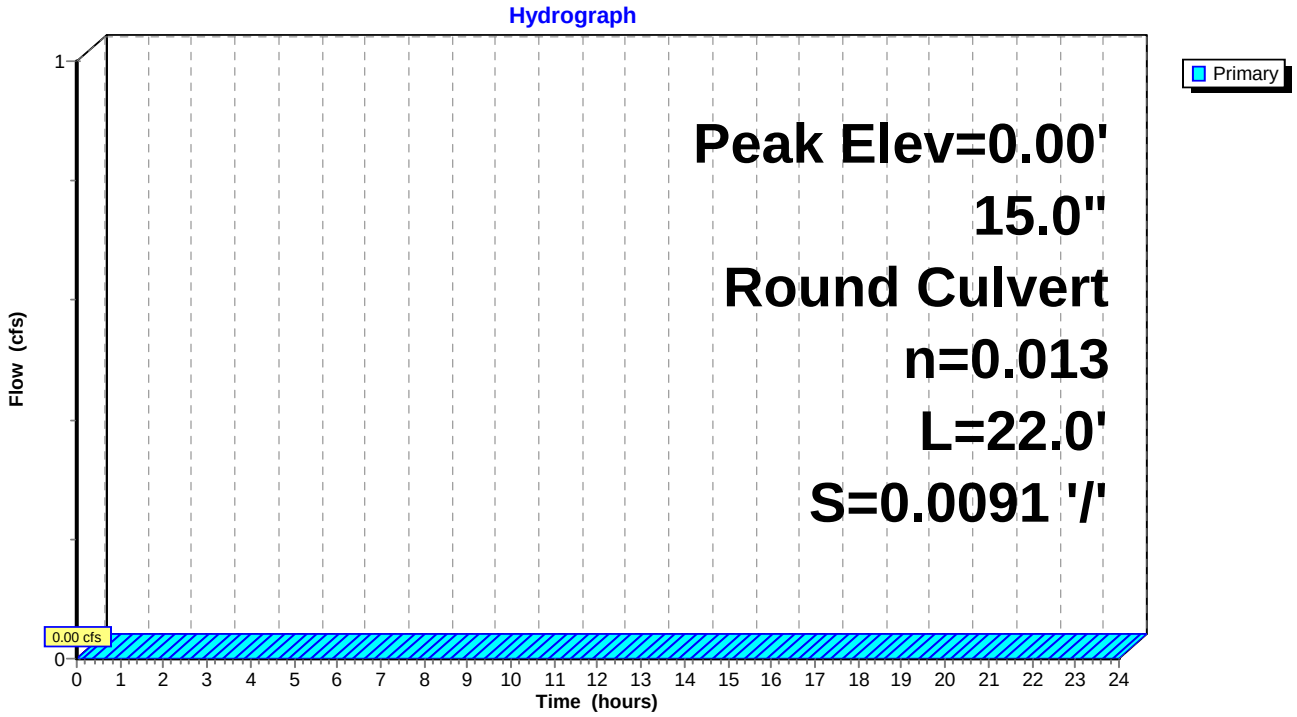
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

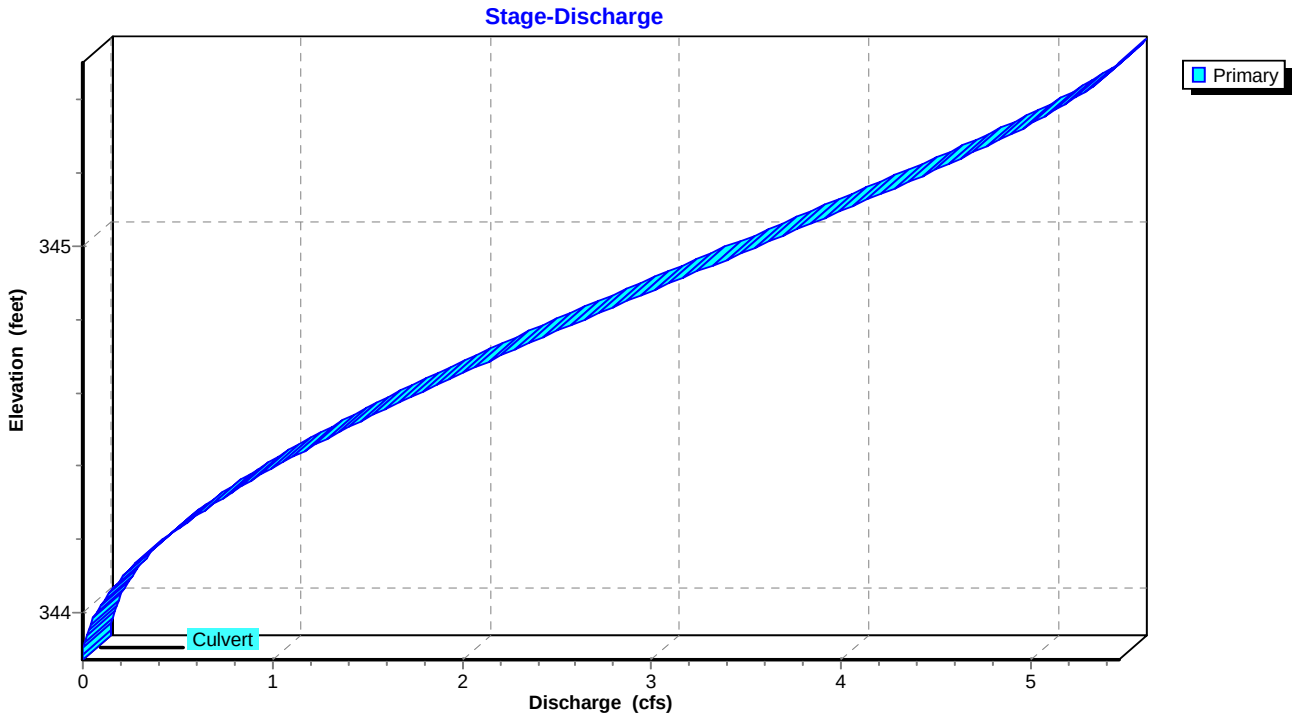
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

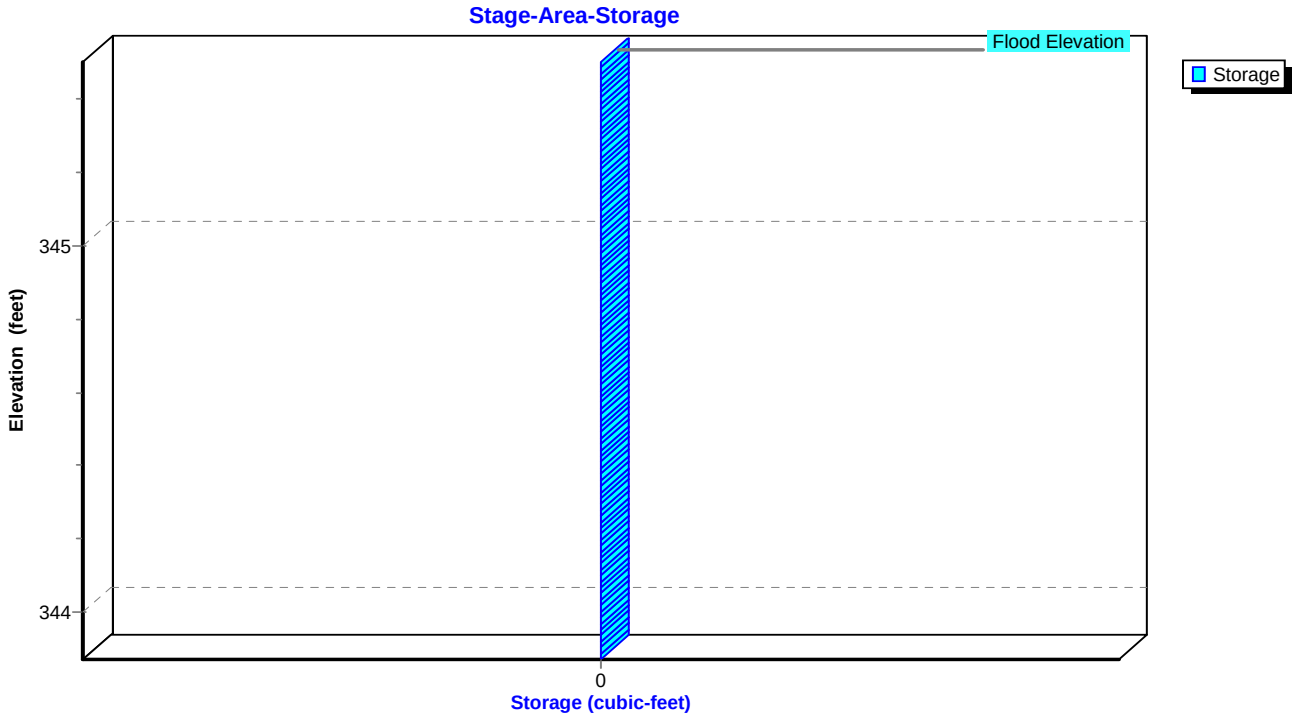
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

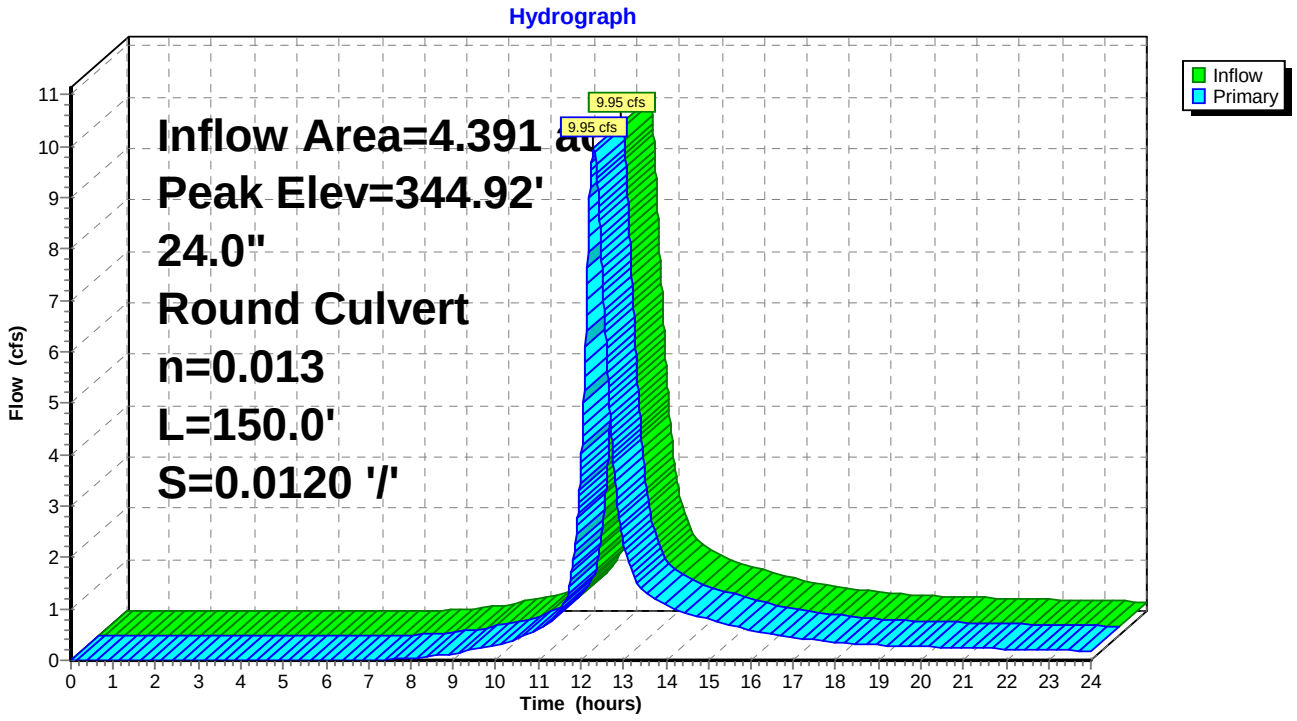
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af
Outflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af, Atten= 0%, Lag= 0.0 min
Primary = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.92' @ 12.30 hrs
Flood Elev= 347.00'

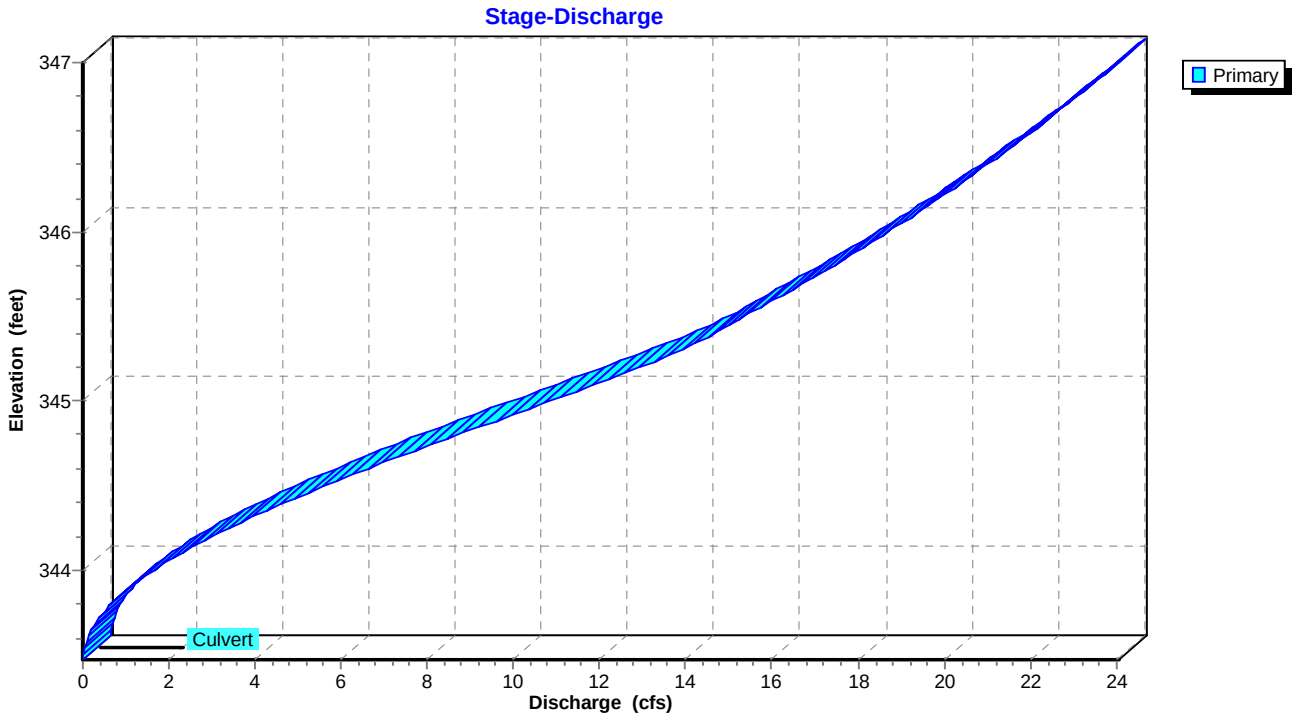
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.95 cfs @ 12.30 hrs HW=344.92' TW=343.13' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.95 cfs @ 4.09 fps)

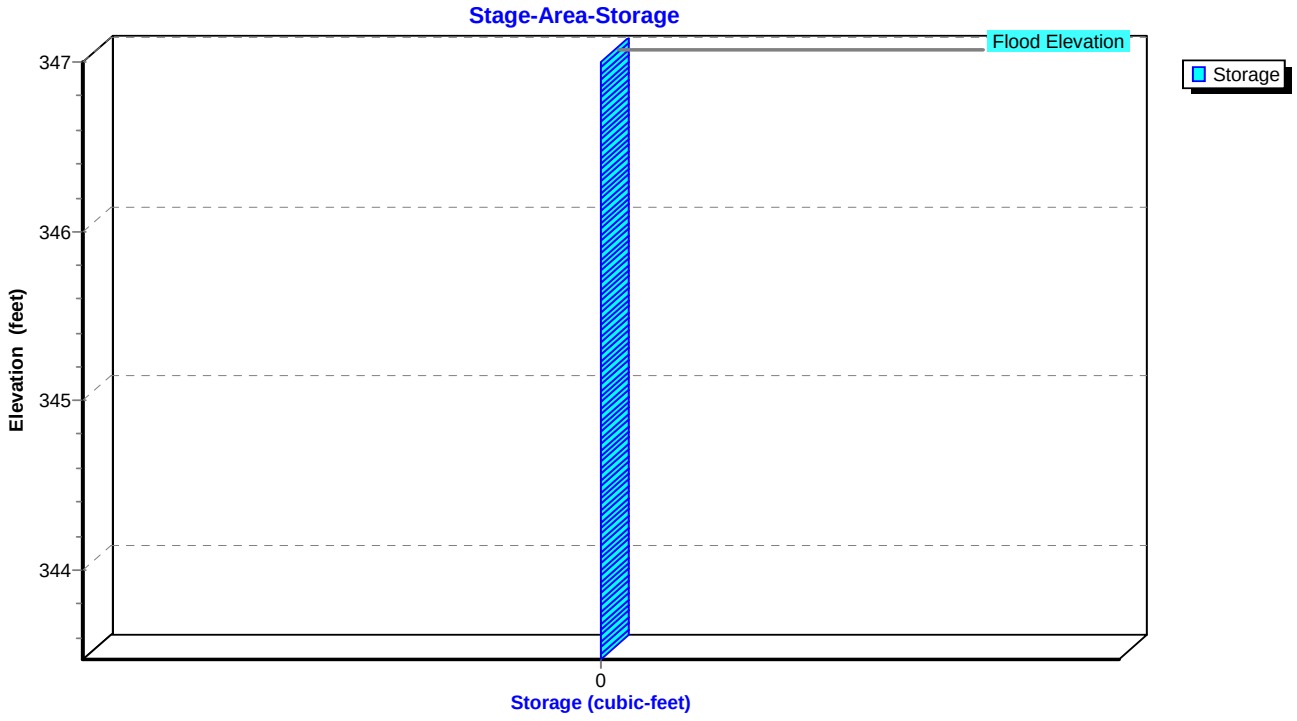
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.49	0.00
7.50	0.01	343.52	0.01
8.00	0.04	343.55	0.04
8.50	0.08	343.58	0.08
9.00	0.13	343.62	0.13
9.50	0.21	343.65	0.21
10.00	0.30	343.69	0.30
10.50	0.42	343.73	0.42
11.00	0.60	343.78	0.60
11.50	0.96	343.87	0.96
12.00	**3.71**	**344.29**	**3.71**
12.50	**7.62**	**344.70**	**7.62**
13.00	2.30	344.10	2.30
13.50	1.34	343.94	1.34
14.00	1.08	343.89	1.08
14.50	0.90	343.86	0.90
15.00	0.79	343.83	0.79
15.50	0.69	343.81	0.69
16.00	0.58	343.78	0.58
16.50	0.49	343.75	0.49
17.00	0.44	343.74	0.44
17.50	0.39	343.72	0.39
18.00	0.35	343.71	0.35
18.50	0.31	343.69	0.31
19.00	0.29	343.69	0.29
19.50	0.28	343.68	0.28
20.00	0.27	343.68	0.27
20.50	0.25	343.67	0.25
21.00	0.24	343.67	0.24
21.50	0.23	343.66	0.23
22.00	0.22	343.66	0.22
22.50	0.21	343.65	0.21
23.00	0.20	343.65	0.20
23.50	0.19	343.64	0.19
24.00	0.18	343.64	0.18

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.47	**0**	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		
345.27	0		
345.32	0		
345.37	0		
345.42	0		
345.47	0		
345.52	0		
345.57	0		
345.62	0		
345.67	0		
345.72	0		
345.77	0		
345.82	0		
345.87	0		
345.92	0		
345.97	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

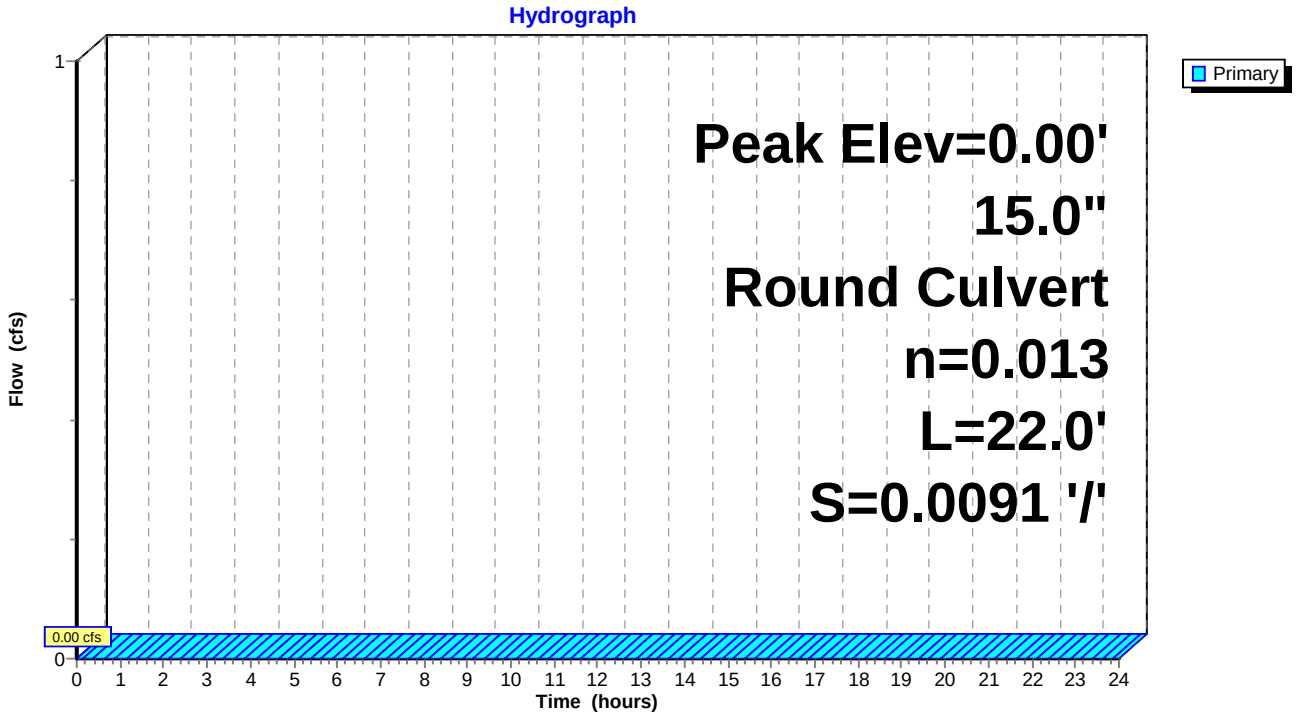
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

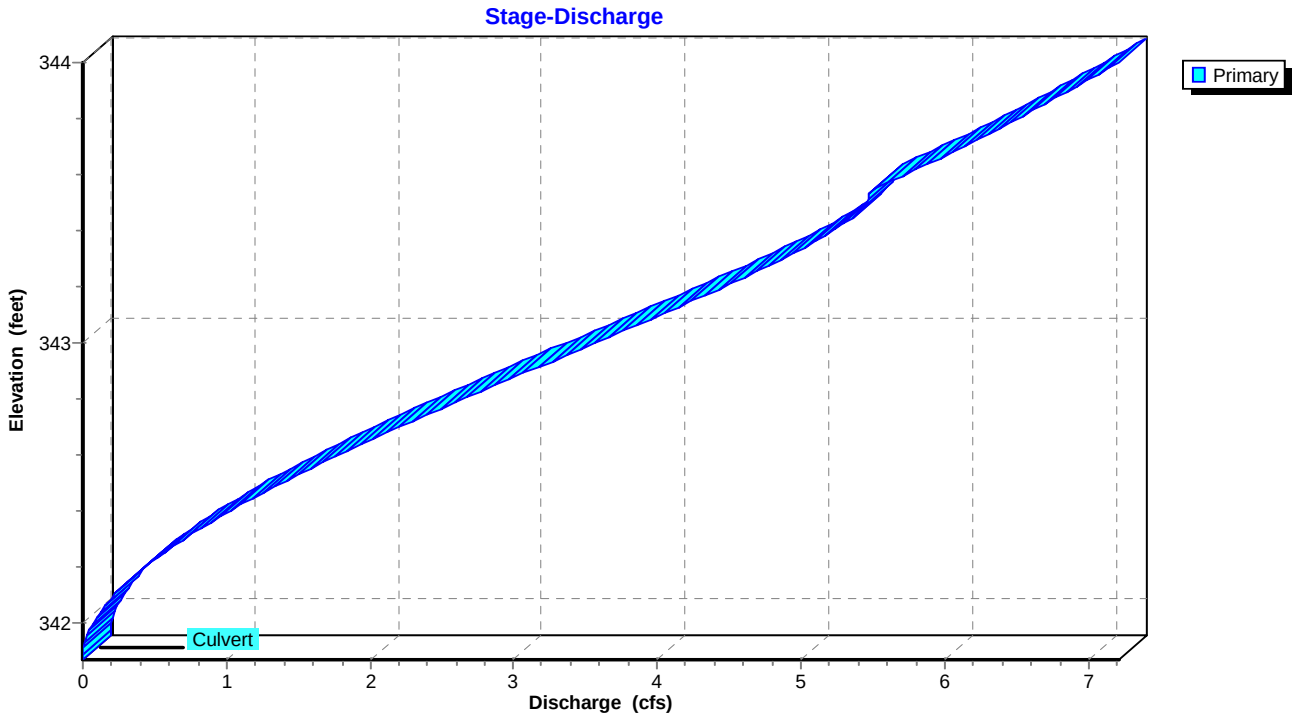
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
1=Culvert (Controls 0.00 cfs)

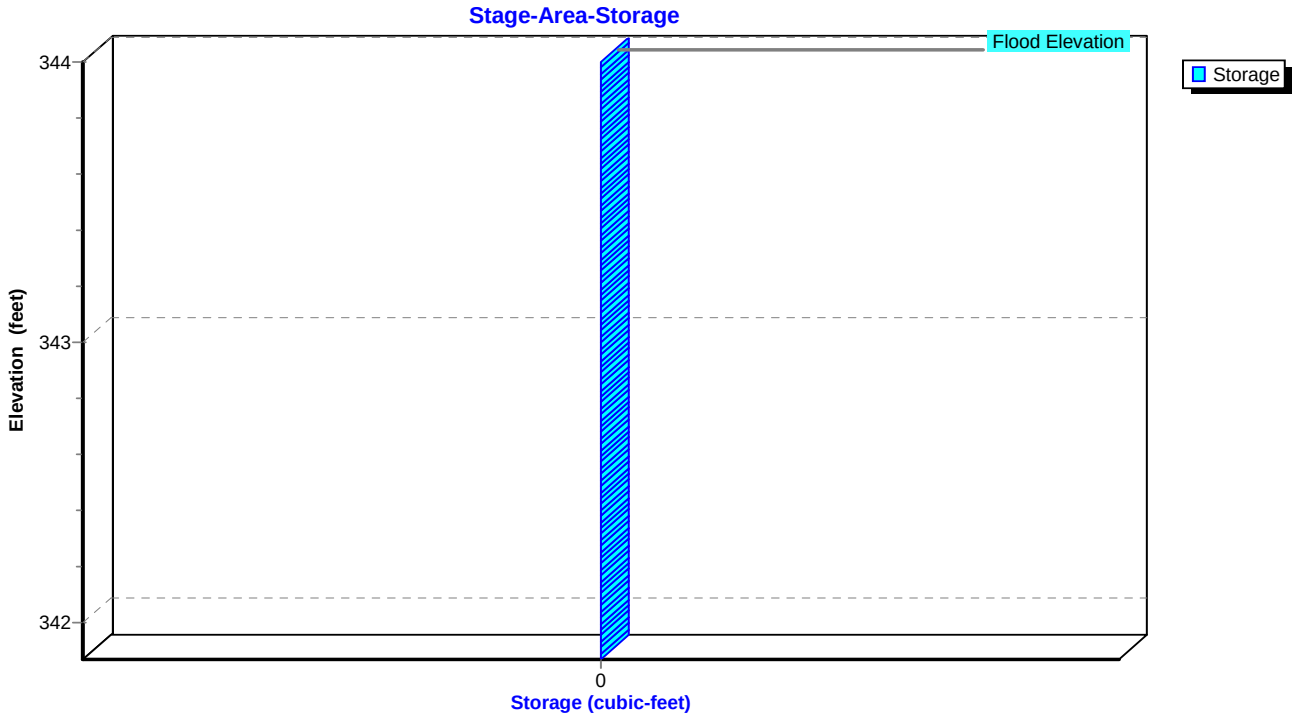
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

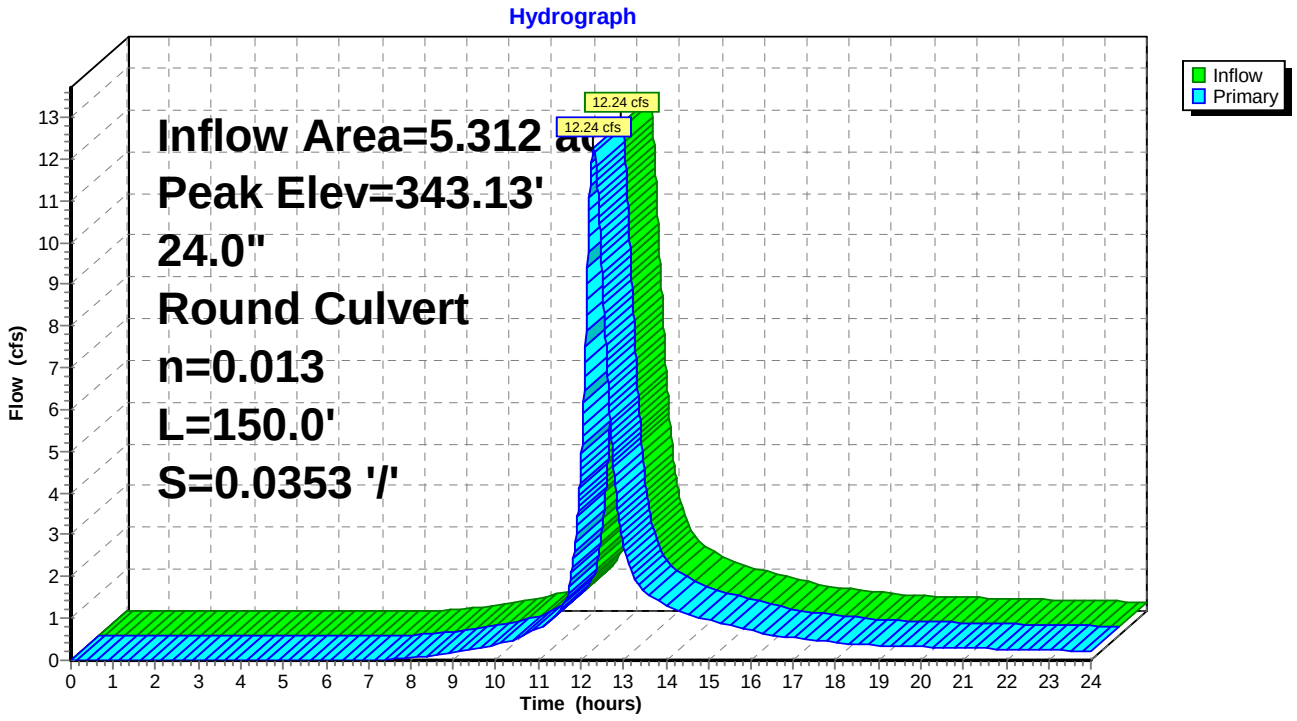
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 3.10" for 10-Year event
Inflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af
Outflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af, Atten= 0%, Lag= 0.0 min
Primary = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.13' @ 12.30 hrs
Flood Elev= 345.00'

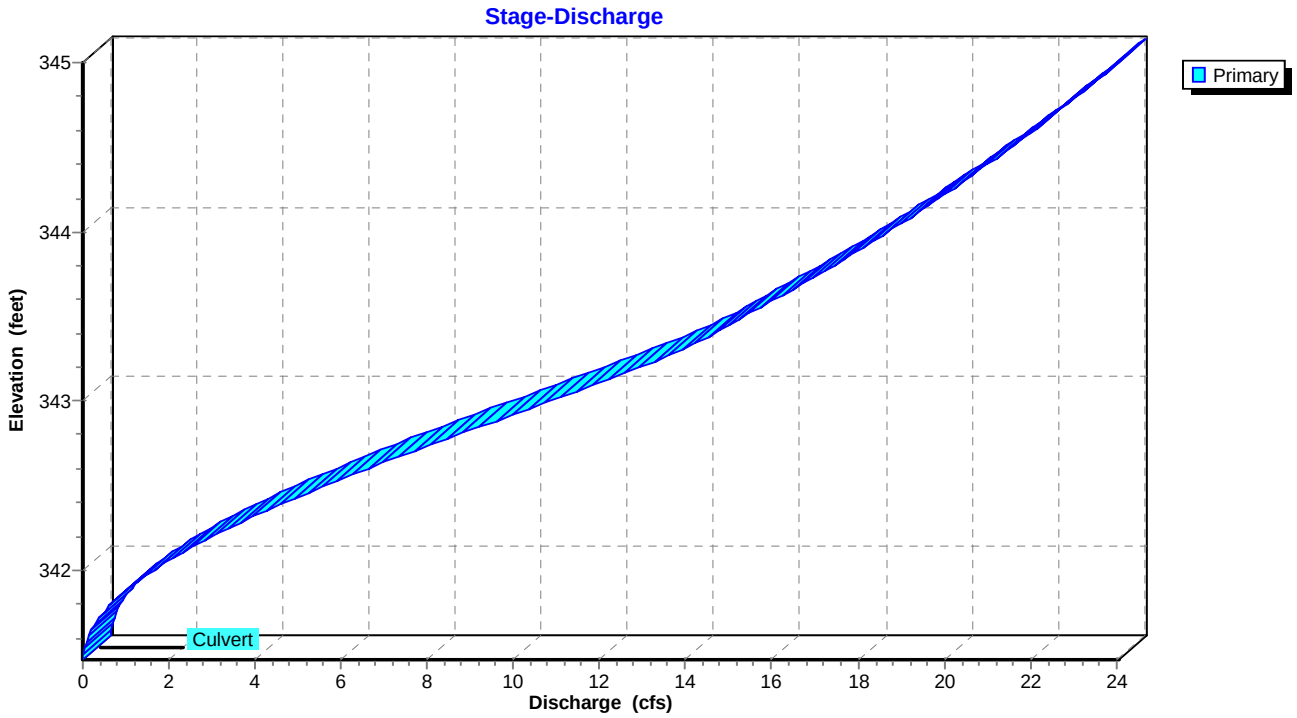
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.24 cfs @ 12.30 hrs HW=343.13' TW=337.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 12.24 cfs @ 4.39 fps)

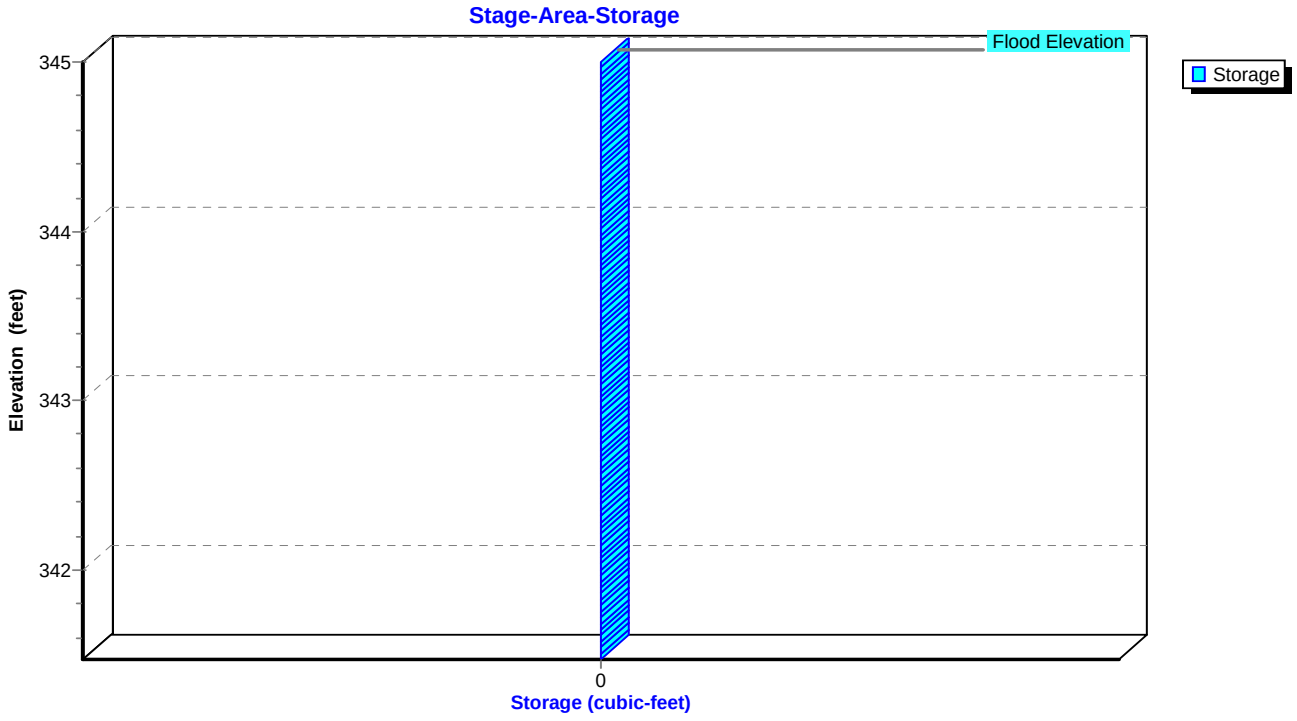
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.01	341.50	0.01
7.50	0.02	341.53	0.02
8.00	0.06	341.56	0.06
8.50	0.10	341.60	0.10
9.00	0.17	341.64	0.17
9.50	0.26	341.68	0.26
10.00	0.37	341.72	0.37
10.50	0.53	341.76	0.53
11.00	0.75	341.82	0.75
11.50	1.19	341.92	1.19
12.00	**4.58**	**342.39**	**4.58**
12.50	**9.28**	**342.85**	**9.28**
13.00	2.78	342.17	2.78
13.50	1.62	342.00	1.62
14.00	1.32	341.94	1.32
14.50	1.10	341.90	1.10
15.00	0.96	341.87	0.96
15.50	0.83	341.84	0.83
16.00	0.70	341.81	0.70
16.50	0.60	341.78	0.60
17.00	0.54	341.77	0.54
17.50	0.48	341.75	0.48
18.00	0.42	341.73	0.42
18.50	0.38	341.72	0.38
19.00	0.36	341.71	0.36
19.50	0.34	341.70	0.34
20.00	0.32	341.70	0.32
20.50	0.31	341.69	0.31
21.00	0.29	341.69	0.29
21.50	0.28	341.68	0.28
22.00	0.27	341.68	0.27
22.50	0.25	341.67	0.25
23.00	0.24	341.67	0.24
23.50	0.23	341.66	0.23
24.00	0.21	341.66	0.21

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

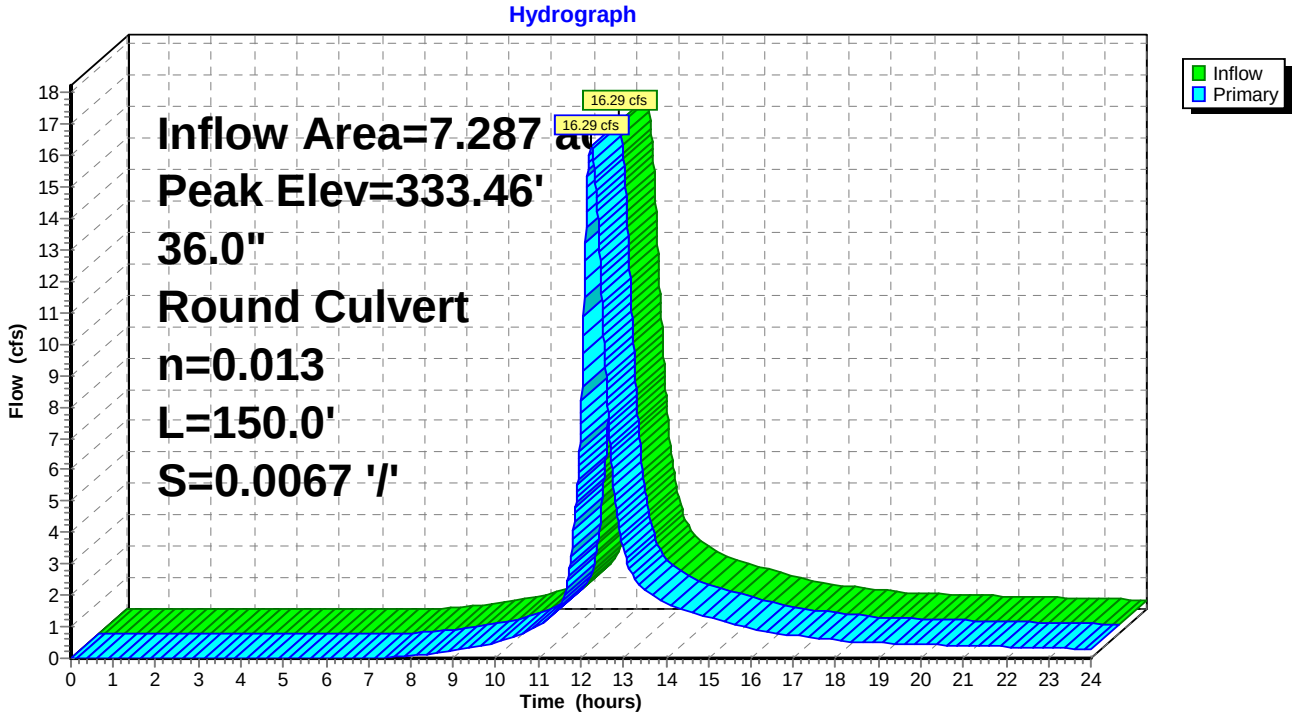
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.46' @ 12.24 hrs
Flood Elev= 337.75'

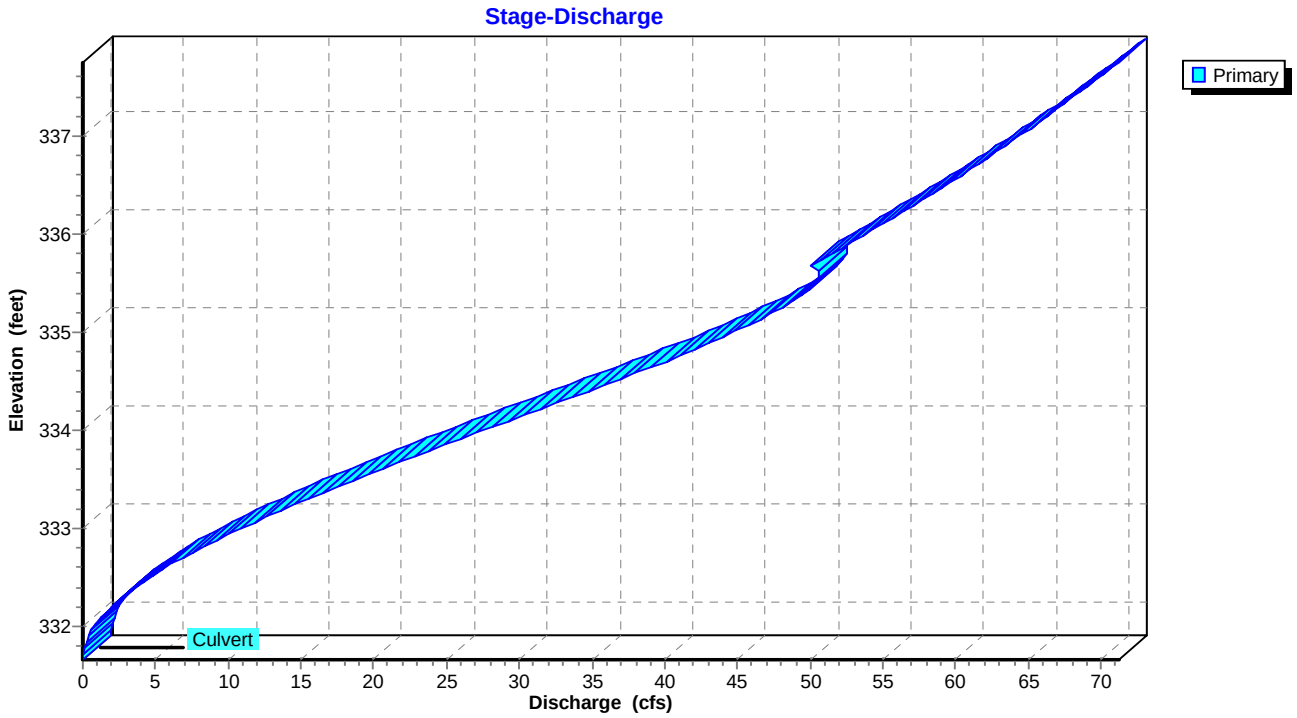
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.30 cfs @ 12.24 hrs HW=333.46' TW=332.28' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.30 cfs @ 5.32 fps)

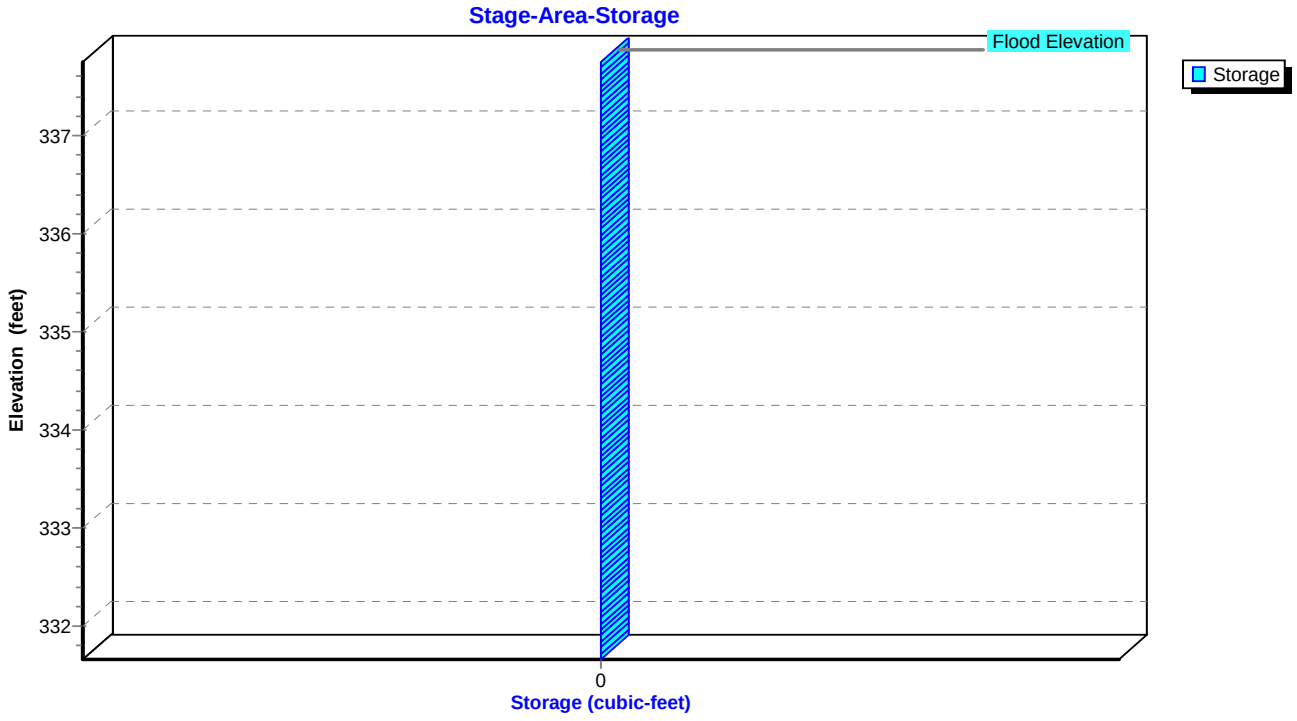
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.68	0.00
7.00	0.01	331.70	0.01
7.50	0.03	331.74	0.03
8.00	0.07	331.78	0.07
8.50	0.14	331.82	0.14
9.00	0.23	331.86	0.23
9.50	0.36	331.90	0.36
10.00	0.51	331.95	0.51
10.50	0.73	332.00	0.73
11.00	1.04	332.06	1.04
11.50	1.70	332.17	1.70
12.00	**7.45**	**332.78**	**7.45**
12.50	**11.34**	**333.09**	**11.34**
13.00	3.49	332.39	3.49
13.50	2.16	332.24	2.16
14.00	1.76	332.18	1.76
14.50	1.48	332.14	1.48
15.00	1.30	332.11	1.30
15.50	1.12	332.08	1.12
16.00	0.94	332.04	0.94
16.50	0.81	332.02	0.81
17.00	0.72	332.00	0.72
17.50	0.64	331.98	0.64
18.00	0.57	331.96	0.57
18.50	0.51	331.95	0.51
19.00	0.49	331.94	0.49
19.50	0.46	331.93	0.46
20.00	0.44	331.93	0.44
20.50	0.42	331.92	0.42
21.00	0.40	331.92	0.40
21.50	0.38	331.91	0.38
22.00	0.36	331.91	0.36
22.50	0.34	331.90	0.34
23.00	0.33	331.89	0.33
23.50	0.31	331.89	0.31
24.00	0.29	331.88	0.29

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

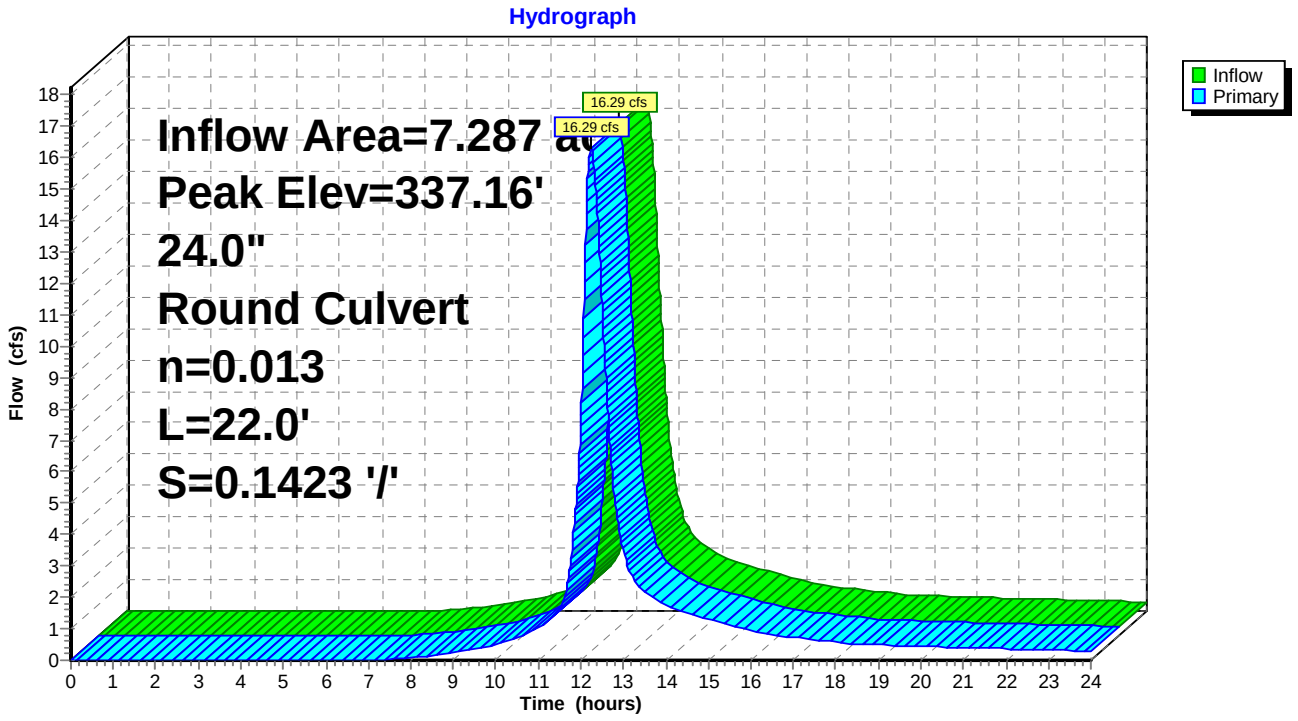
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.16' @ 12.24 hrs
Flood Elev= 339.50'

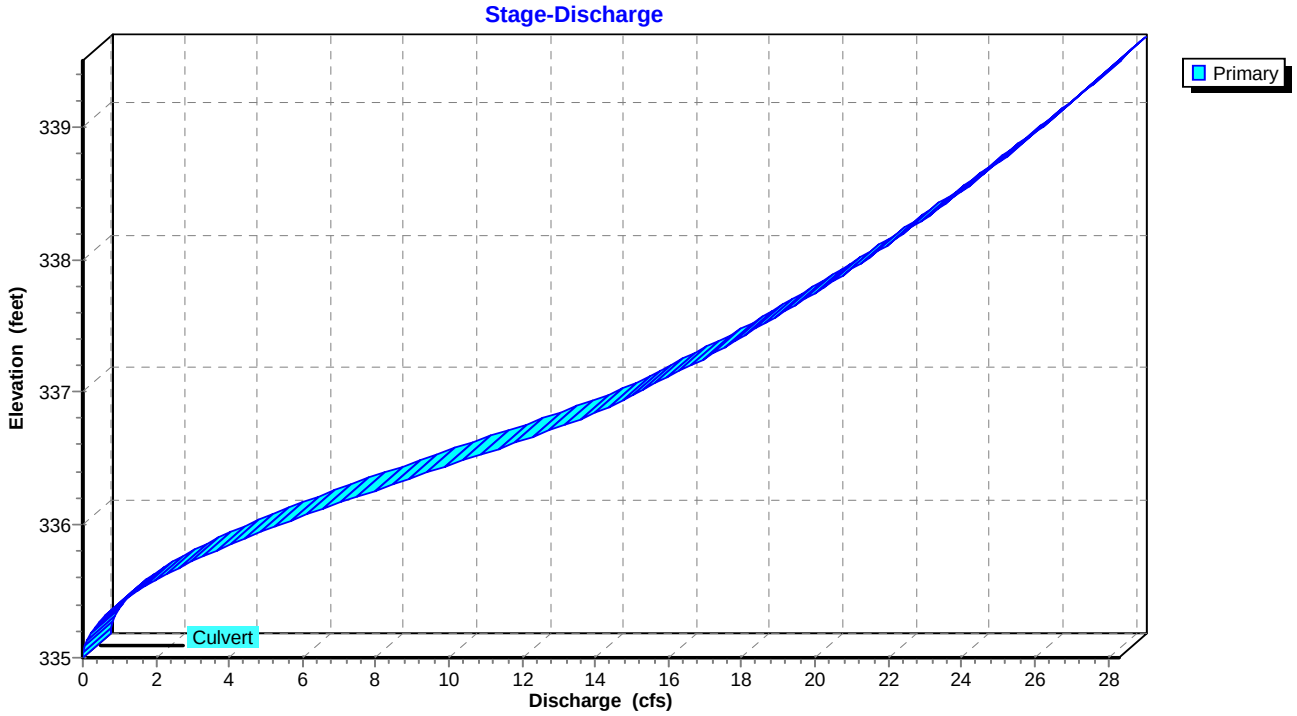
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.29 cfs @ 12.24 hrs HW=337.16' TW=333.46' (Dynamic Tailwater)
1=Culvert (Inlet Controls 16.29 cfs @ 5.18 fps)

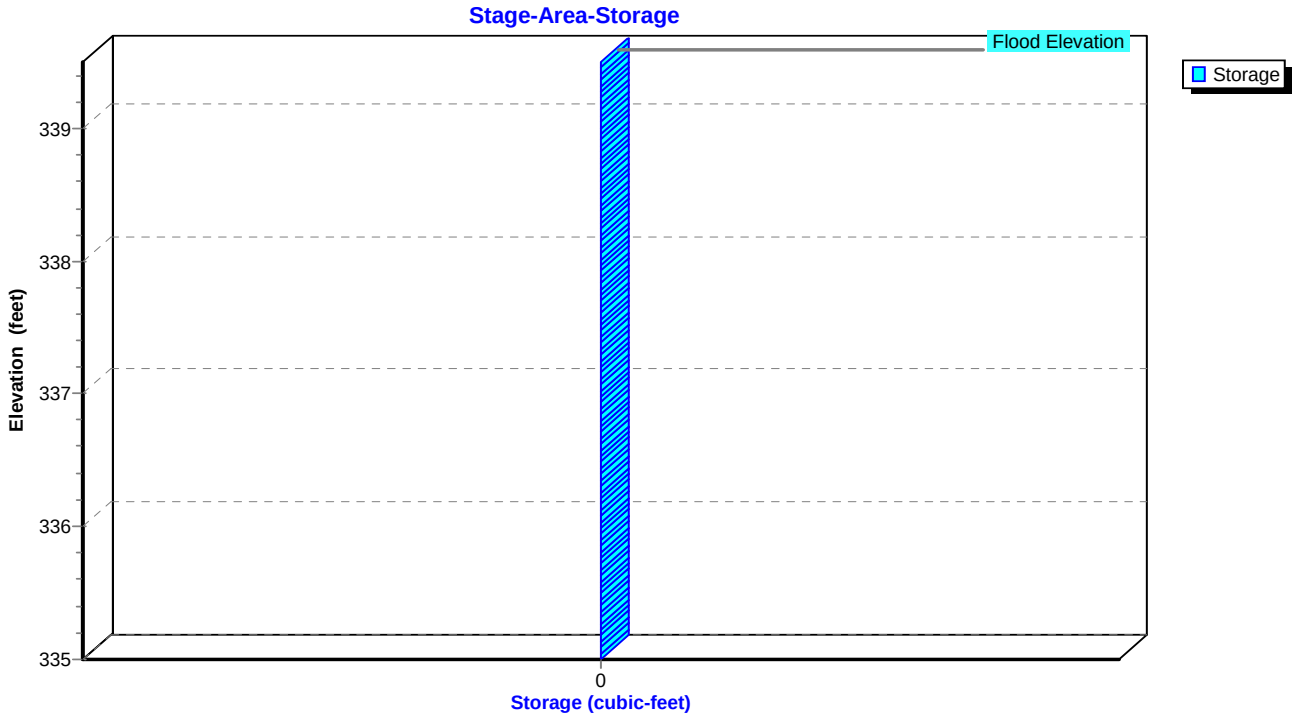
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.01	335.03	0.01
7.50	0.03	335.06	0.03
8.00	0.07	335.11	0.07
8.50	0.14	335.15	0.14
9.00	0.23	335.19	0.23
9.50	0.36	335.24	0.36
10.00	0.51	335.29	0.51
10.50	0.73	335.35	0.73
11.00	1.04	335.42	1.04
11.50	1.70	335.54	1.70
12.00	**7.45**	**336.21**	**7.45**
12.50	**11.34**	**336.58**	**11.34**
13.00	3.49	335.79	3.49
13.50	2.16	335.61	2.16
14.00	1.76	335.55	1.76
14.50	1.48	335.50	1.48
15.00	1.30	335.47	1.30
15.50	1.12	335.43	1.12
16.00	0.94	335.40	0.94
16.50	0.81	335.36	0.81
17.00	0.72	335.35	0.72
17.50	0.64	335.33	0.64
18.00	0.57	335.30	0.57
18.50	0.51	335.29	0.51
19.00	0.49	335.28	0.49
19.50	0.46	335.27	0.46
20.00	0.44	335.27	0.44
20.50	0.42	335.26	0.42
21.00	0.40	335.25	0.40
21.50	0.38	335.25	0.38
22.00	0.36	335.24	0.36
22.50	0.34	335.24	0.34
23.00	0.33	335.23	0.33
23.50	0.31	335.22	0.31
24.00	0.29	335.22	0.29

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

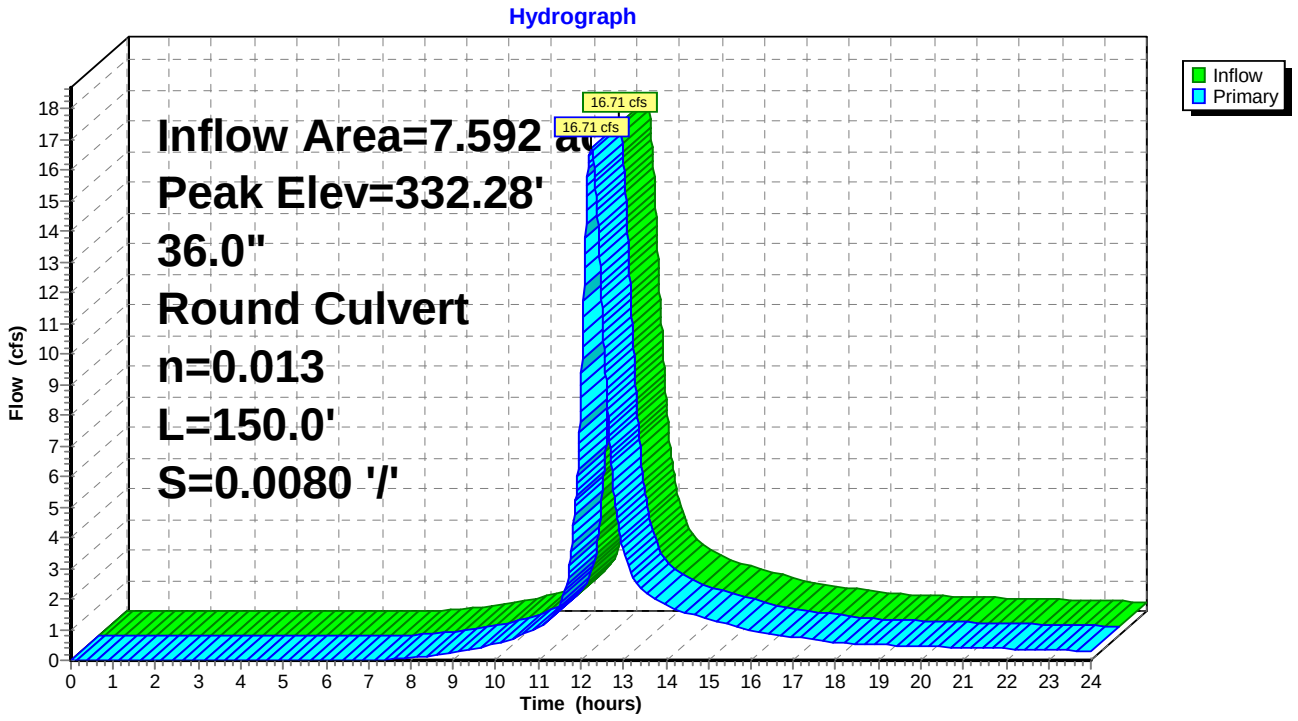
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 3.05" for 10-Year event
Inflow = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af
Outflow = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af, Atten= 0%, Lag= 0.0 min
Primary = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.28' @ 12.23 hrs
Flood Elev= 335.00'

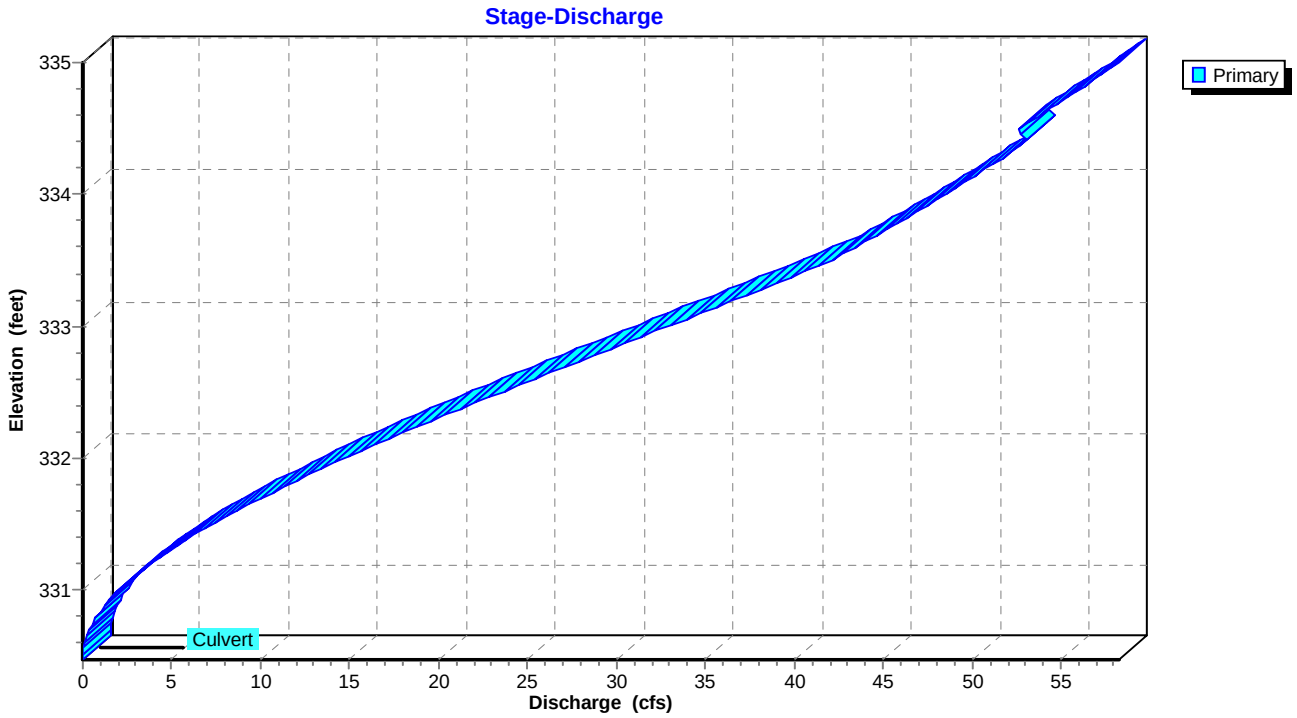
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.74 cfs @ 12.23 hrs HW=332.28' TW=331.06' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.74 cfs @ 5.40 fps)

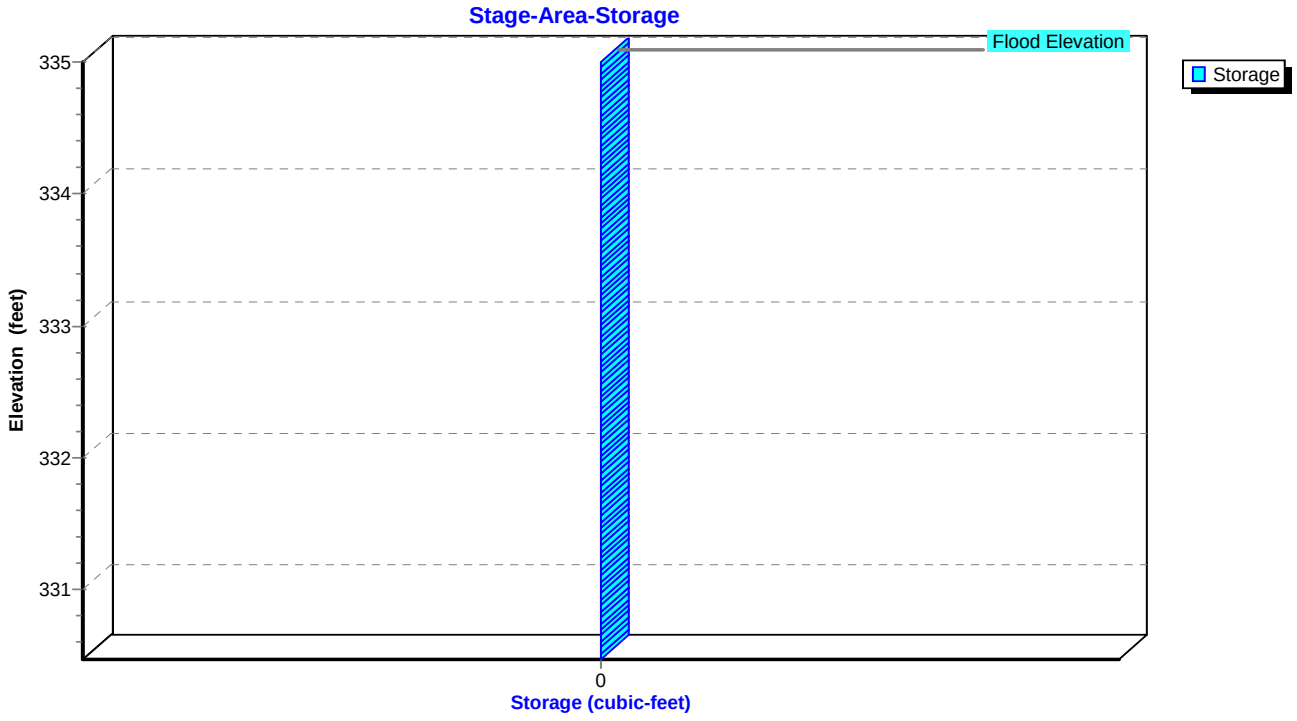
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.48	0.00
7.00	0.01	330.50	0.01
7.50	0.03	330.54	0.03
8.00	0.07	330.58	0.07
8.50	0.14	330.61	0.14
9.00	0.24	330.66	0.24
9.50	0.37	330.70	0.37
10.00	0.53	330.74	0.53
10.50	0.76	330.79	0.76
11.00	1.08	330.85	1.08
11.50	1.79	330.96	1.79
12.00	**8.56**	**331.63**	**8.56**
12.50	**11.50**	**331.87**	**11.50**
13.00	3.58	331.18	3.58
13.50	2.24	331.02	2.24
14.00	1.82	330.97	1.82
14.50	1.53	330.93	1.53
15.00	1.35	330.90	1.35
15.50	1.16	330.87	1.16
16.00	0.97	330.84	0.97
16.50	0.84	330.81	0.84
17.00	0.75	330.79	0.75
17.50	0.67	330.77	0.67
18.00	0.59	330.76	0.59
18.50	0.53	330.74	0.53
19.00	0.50	330.74	0.50
19.50	0.48	330.73	0.48
20.00	0.45	330.72	0.45
20.50	0.43	330.72	0.43
21.00	0.41	330.71	0.41
21.50	0.40	330.71	0.40
22.00	0.38	330.70	0.38
22.50	0.36	330.70	0.36
23.00	0.34	330.69	0.34
23.50	0.32	330.68	0.32
24.00	0.30	330.68	0.30

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

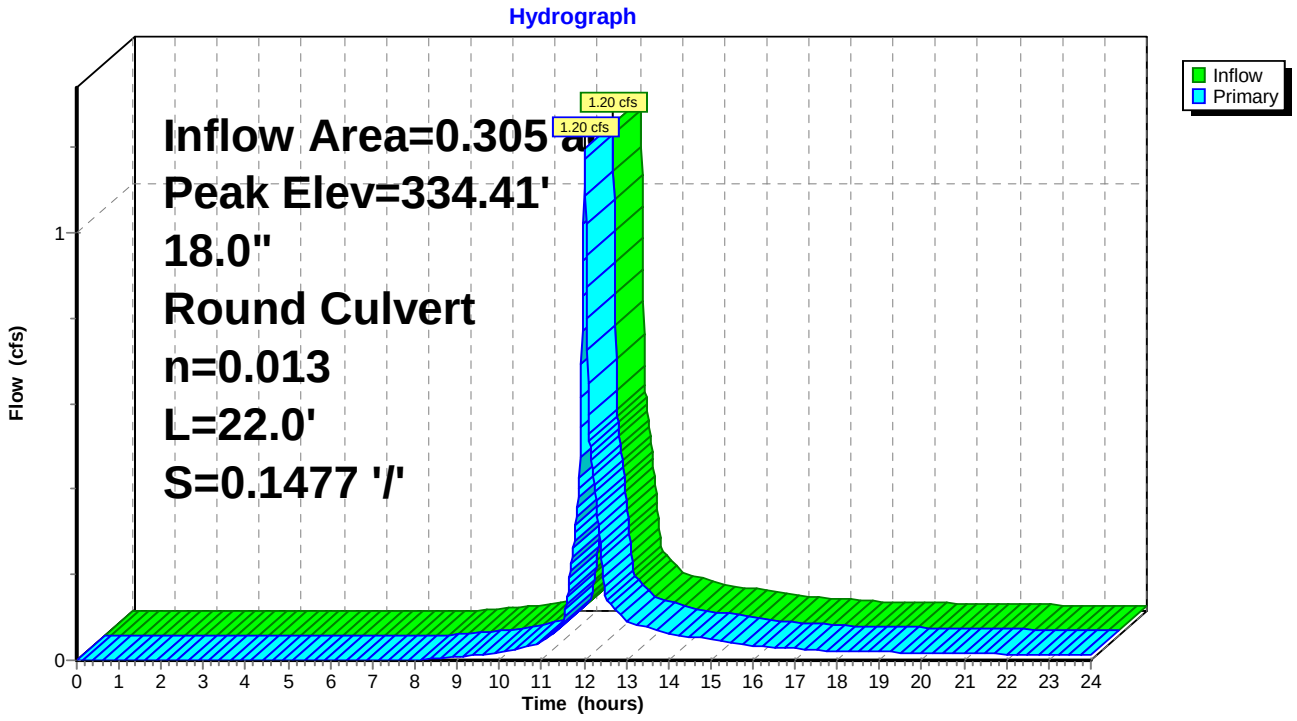
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af
Outflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af, Atten= 0%, Lag= 0.0 min
Primary = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.41' @ 12.02 hrs
Flood Elev= 336.50'

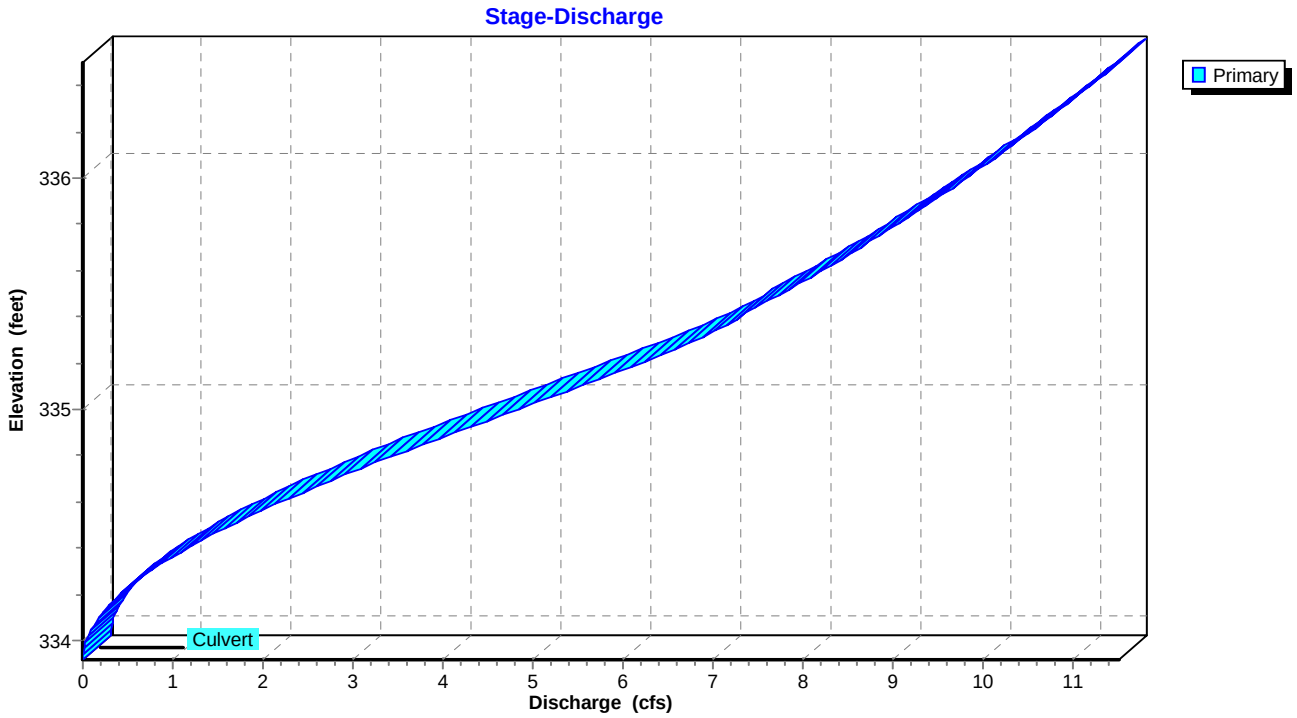
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.19 cfs @ 12.02 hrs HW=334.41' TW=331.69' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.19 cfs @ 2.38 fps)

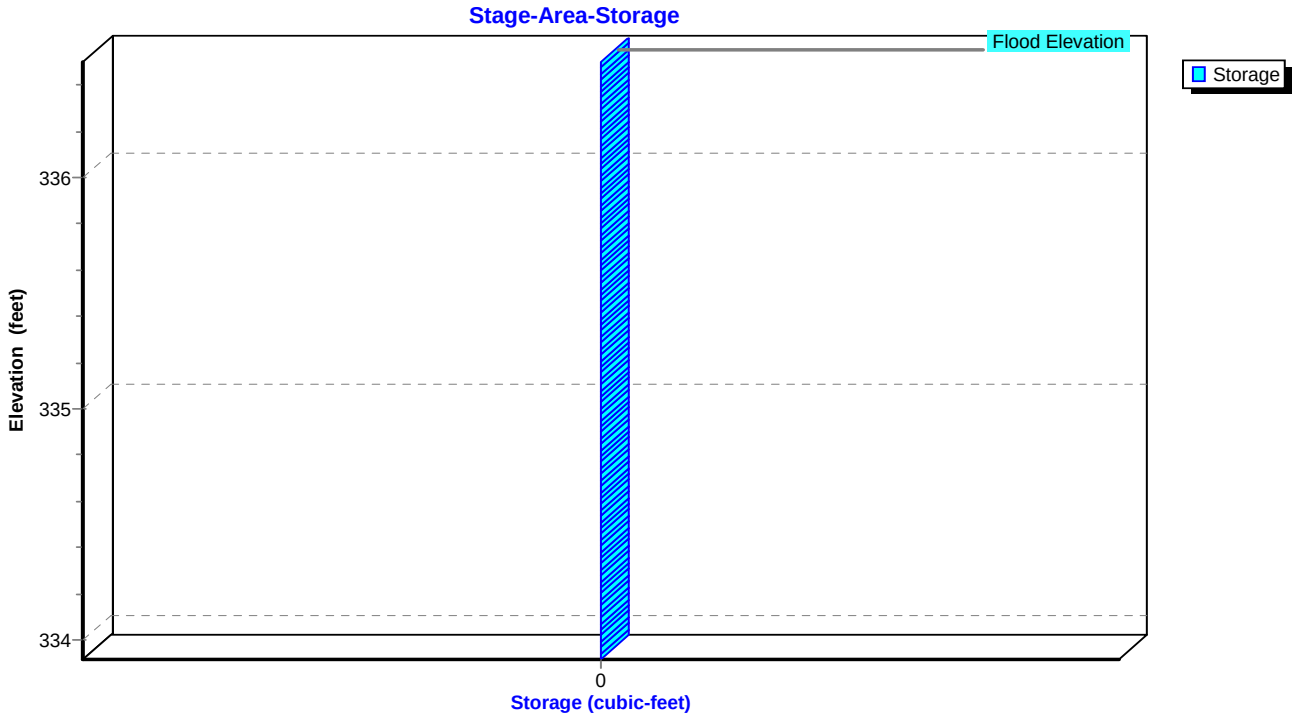
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.93	0.00
8.50	0.00	333.95	0.00
9.00	0.01	333.96	0.01
9.50	0.01	333.97	0.01
10.00	0.02	333.98	0.02
10.50	0.03	333.99	0.03
11.00	0.04	334.01	0.04
11.50	0.08	334.04	0.08
12.00	**1.11**	**334.39**	**1.11**
12.50	**0.16**	**334.09**	**0.16**
13.00	0.09	334.05	0.09
13.50	0.08	334.04	0.08
14.00	0.06	334.03	0.06
14.50	0.05	334.02	0.05
15.00	0.05	334.01	0.05
15.50	0.04	334.01	0.04
16.00	0.03	334.00	0.03
16.50	0.03	333.99	0.03
17.00	0.03	333.99	0.03
17.50	0.02	333.99	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.98	0.02
19.50	0.02	333.98	0.02
20.00	0.02	333.98	0.02
20.50	0.02	333.97	0.02
21.00	0.02	333.97	0.02
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

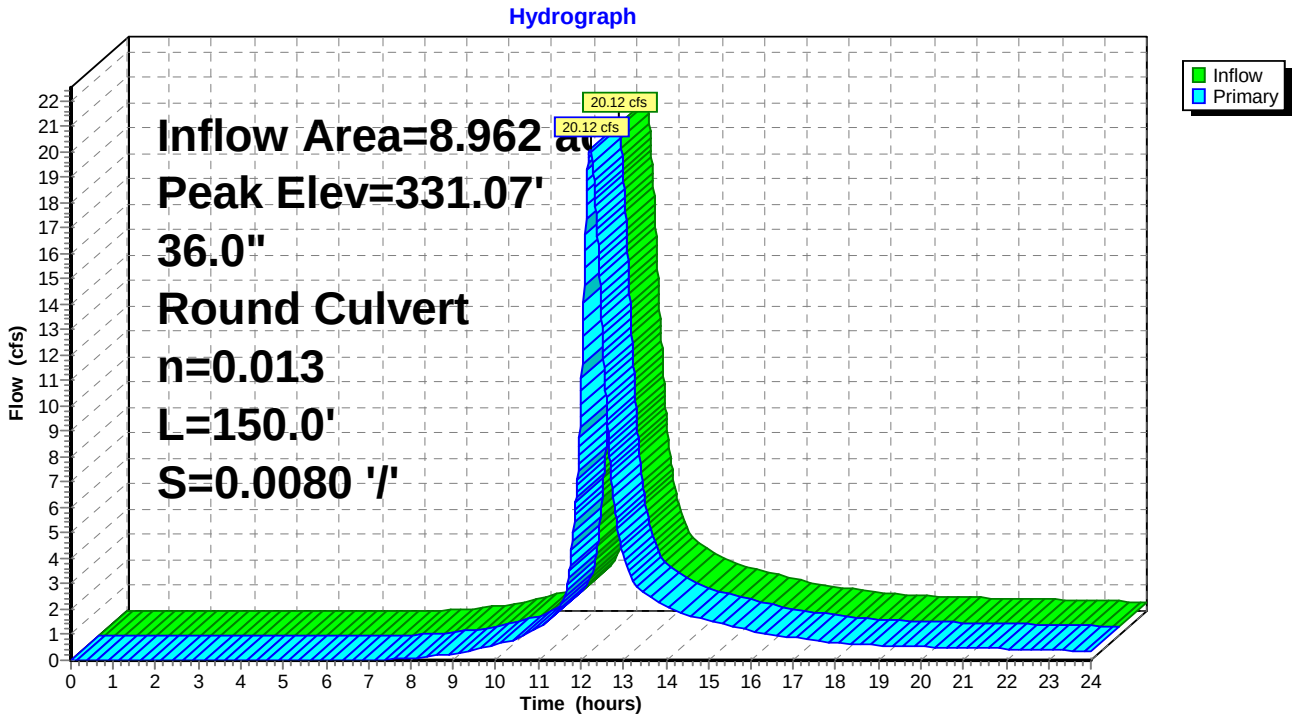
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.01" for 10-Year event
Inflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af
Outflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af, Atten= 0%, Lag= 0.0 min
Primary = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.07' @ 12.21 hrs
Flood Elev= 337.00'

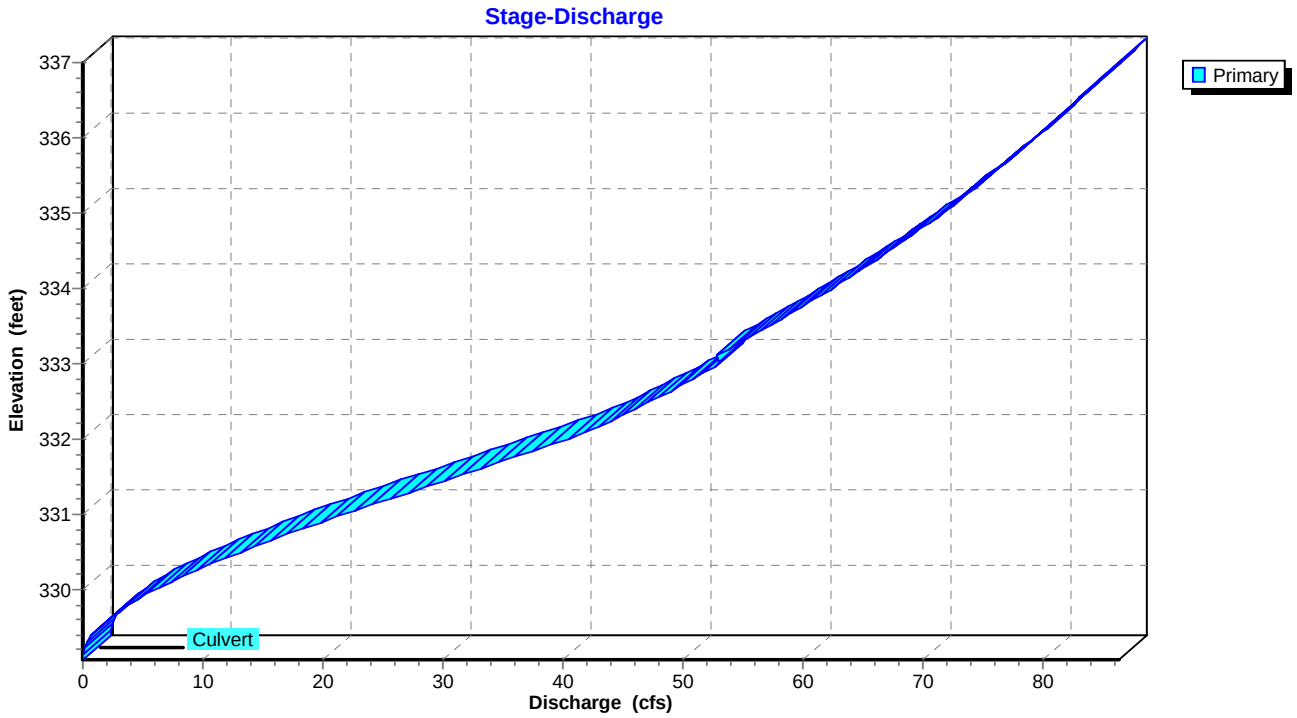
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.16 cfs @ 12.22 hrs HW=331.07' TW=329.75' (Dynamic Tailwater)
1=Culvert (Outlet Controls 20.16 cfs @ 5.72 fps)

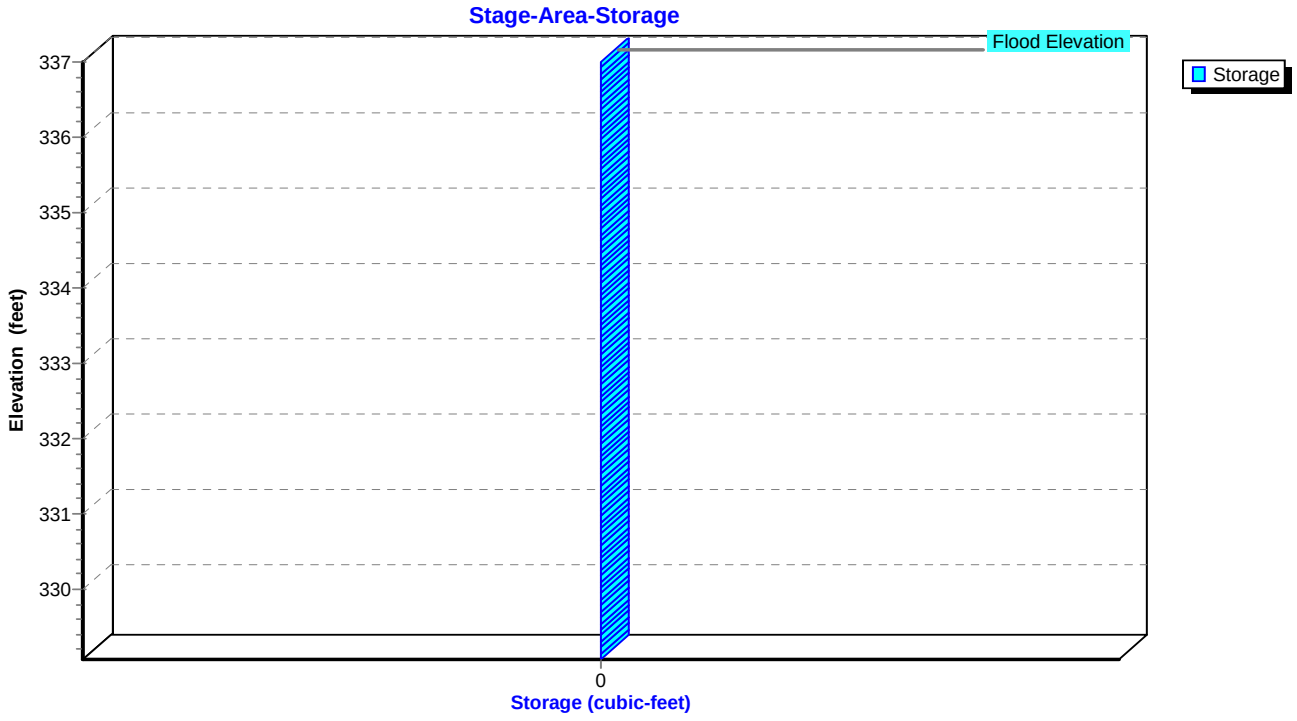
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.08	0.00
7.00	0.01	329.10	0.01
7.50	0.03	329.14	0.03
8.00	0.08	329.18	0.08
8.50	0.15	329.22	0.15
9.00	0.27	329.27	0.27
9.50	0.42	329.31	0.42
10.00	0.60	329.36	0.60
10.50	0.87	329.41	0.87
11.00	1.25	329.48	1.25
11.50	2.08	329.60	2.08
12.00	**10.09**	**330.35**	**10.09**
12.50	**13.12**	**330.57**	**13.12**
13.00	4.09	329.83	4.09
13.50	2.60	329.67	2.60
14.00	2.12	329.61	2.12
14.50	1.79	329.56	1.79
15.00	1.57	329.53	1.57
15.50	1.36	329.50	1.36
16.00	1.14	329.46	1.14
16.50	0.98	329.44	0.98
17.00	0.88	329.42	0.88
17.50	0.78	329.40	0.78
18.00	0.69	329.38	0.69
18.50	0.62	329.36	0.62
19.00	0.59	329.36	0.59
19.50	0.56	329.35	0.56
20.00	0.53	329.34	0.53
20.50	0.51	329.34	0.51
21.00	0.49	329.33	0.49
21.50	0.46	329.32	0.46
22.00	0.44	329.32	0.44
22.50	0.42	329.31	0.42
23.00	0.40	329.31	0.40
23.50	0.38	329.30	0.38
24.00	0.35	329.29	0.35

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

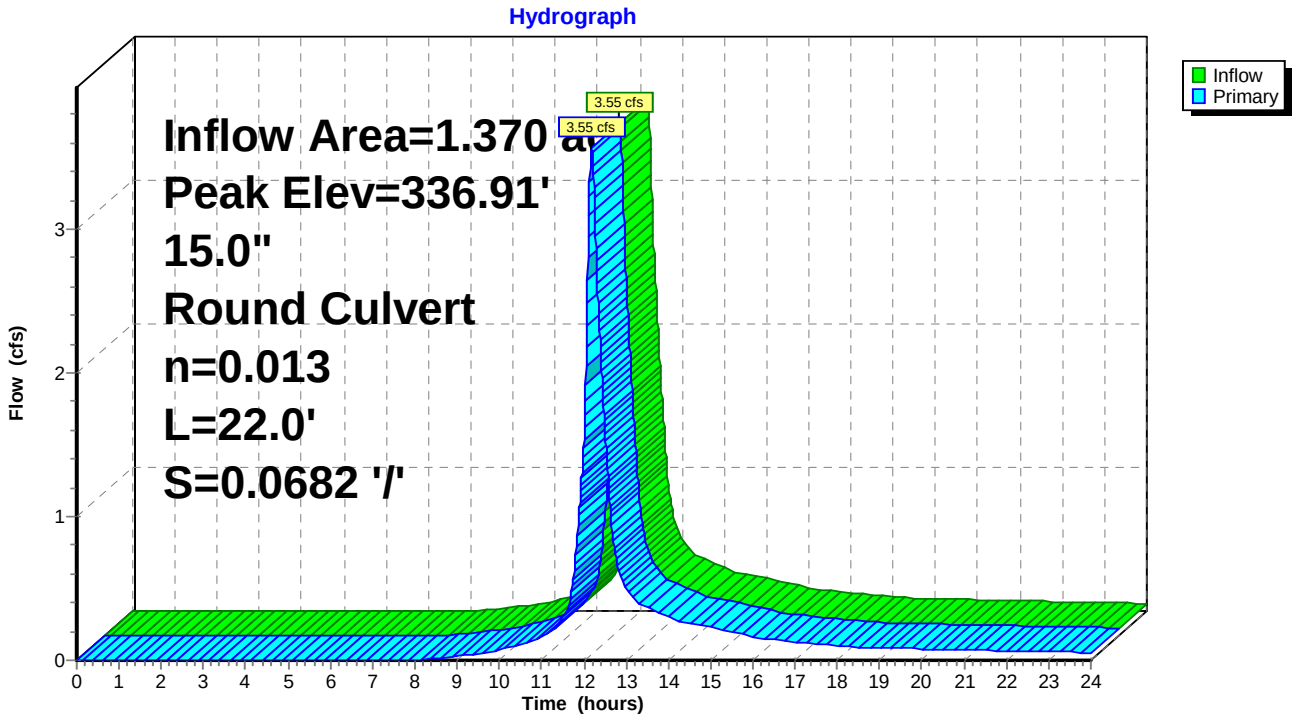
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.79" for 10-Year event
Inflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af
Outflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af, Atten= 0%, Lag= 0.0 min
Primary = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.91' @ 12.19 hrs
Flood Elev= 338.50'

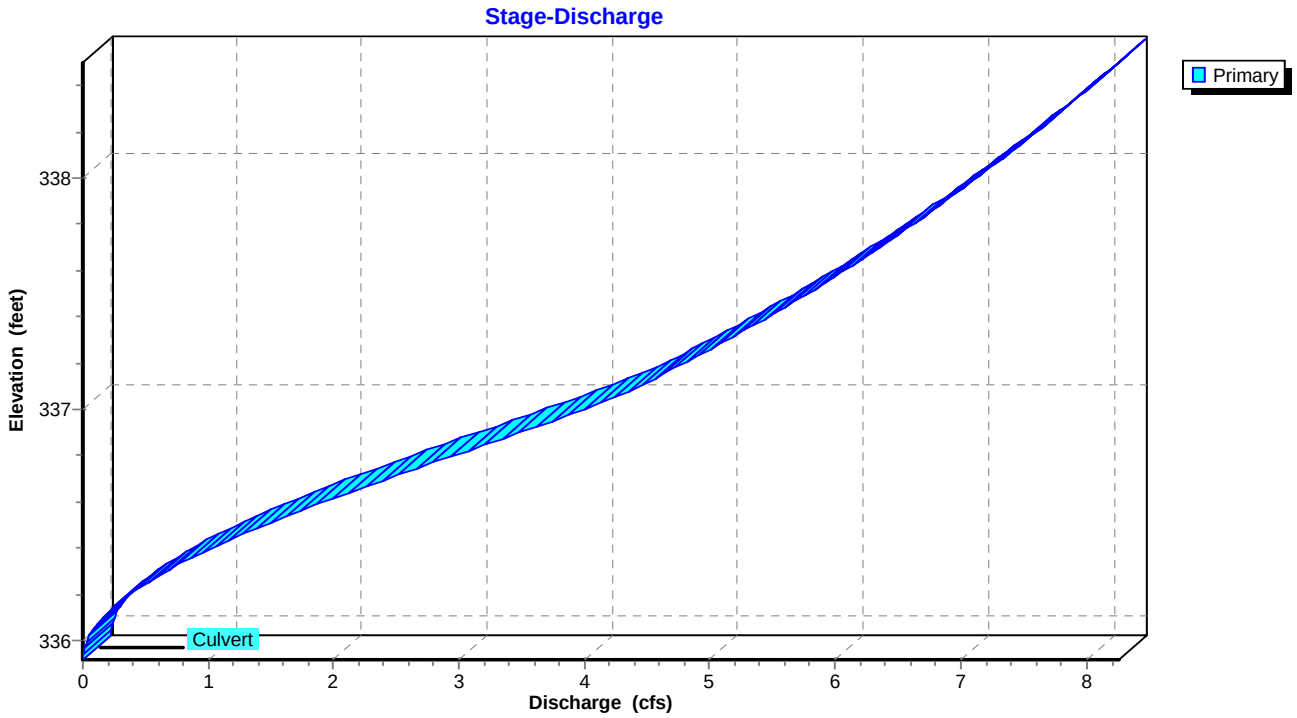
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.55 cfs @ 12.19 hrs HW=336.91' TW=331.06' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.55 cfs @ 3.39 fps)

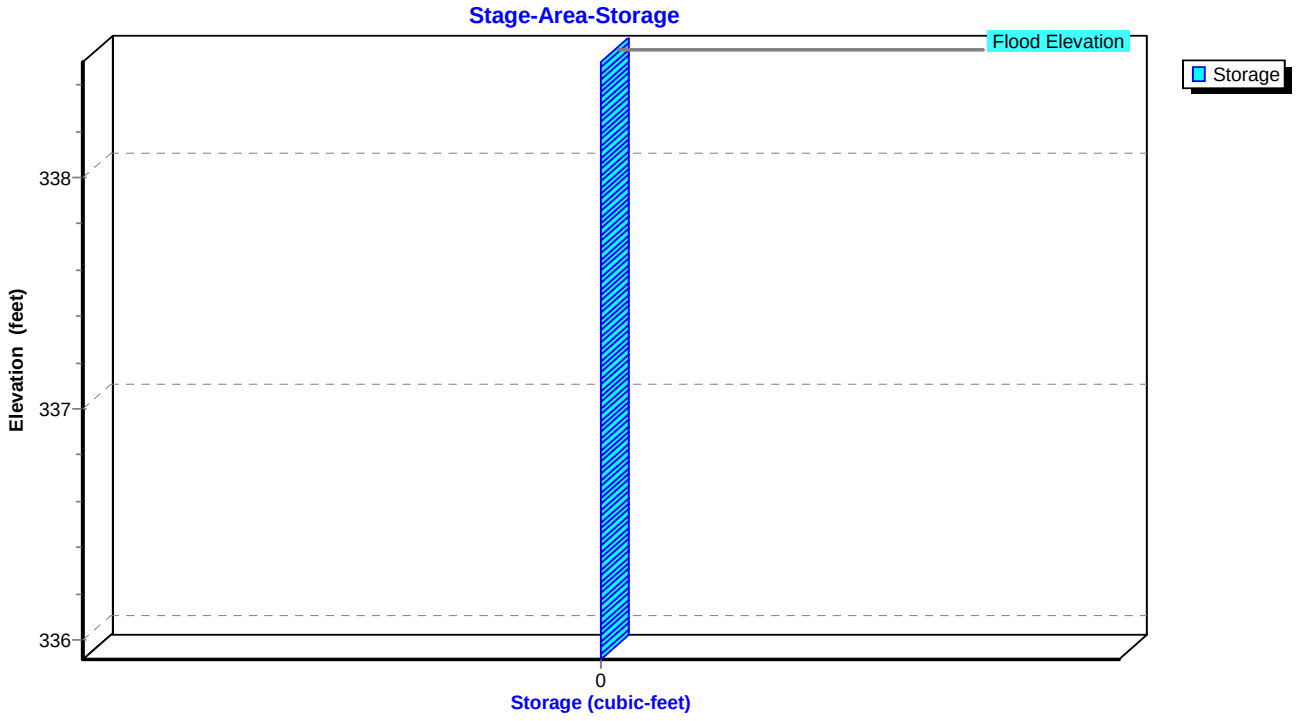
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.94	0.00
8.50	0.01	335.97	0.01
9.00	0.03	335.99	0.03
9.50	0.05	336.02	0.05
10.00	0.07	336.04	0.07
10.50	0.11	336.07	0.11
11.00	0.17	336.11	0.17
11.50	0.29	336.17	0.29
12.00	**1.54**	**336.52**	**1.54**
12.50	**1.61**	**336.54**	**1.61**
13.00	0.51	336.25	0.51
13.50	0.37	336.20	0.37
14.00	0.30	336.17	0.30
14.50	0.26	336.15	0.26
15.00	0.23	336.14	0.23
15.50	0.20	336.12	0.20
16.00	0.16	336.10	0.16
16.50	0.14	336.09	0.14
17.00	0.13	336.08	0.13
17.50	0.11	336.07	0.11
18.00	0.10	336.06	0.10
18.50	0.09	336.06	0.09
19.00	0.09	336.05	0.09
19.50	0.08	336.05	0.08
20.00	0.08	336.05	0.08
20.50	0.07	336.04	0.07
21.00	0.07	336.04	0.07
21.50	0.07	336.04	0.07
22.00	0.06	336.03	0.06
22.50	0.06	336.03	0.06
23.00	0.06	336.03	0.06
23.50	0.06	336.03	0.06
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

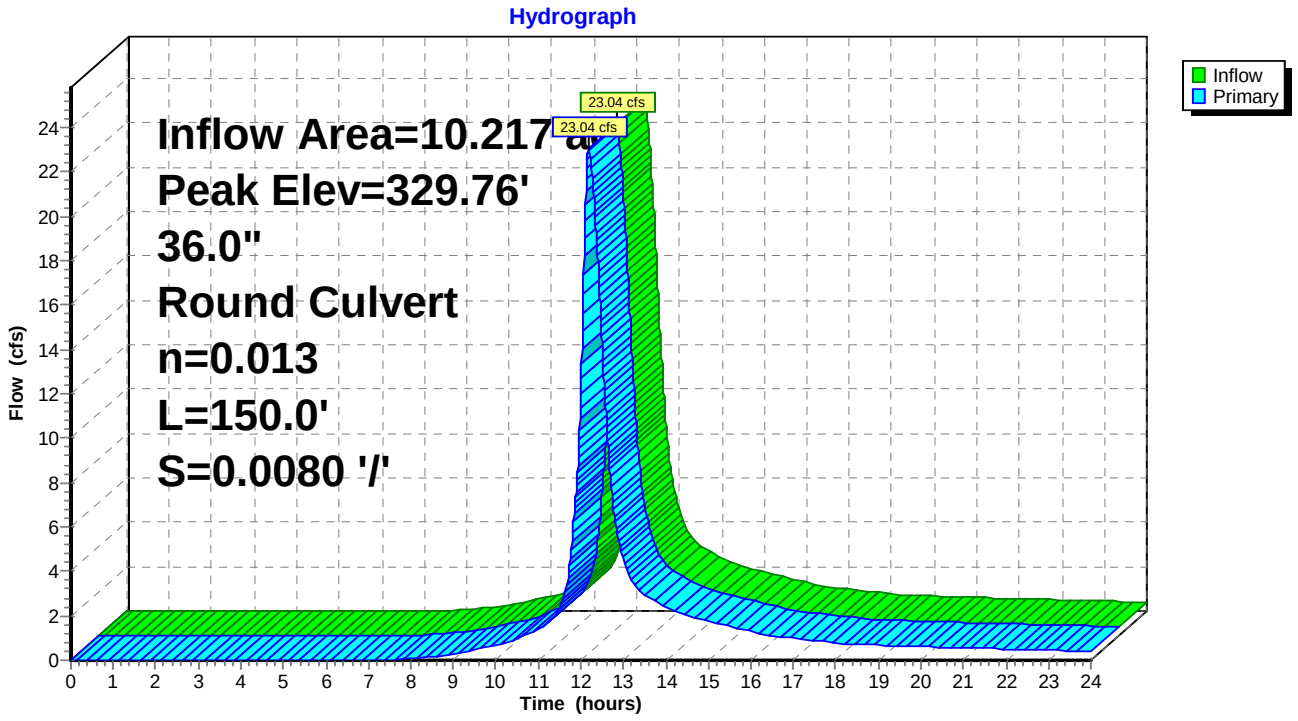
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 2.99" for 10-Year event
Inflow = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af
Outflow = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af, Atten= 0%, Lag= 0.0 min
Primary = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.76' @ 12.19 hrs
Flood Elev= 335.75'

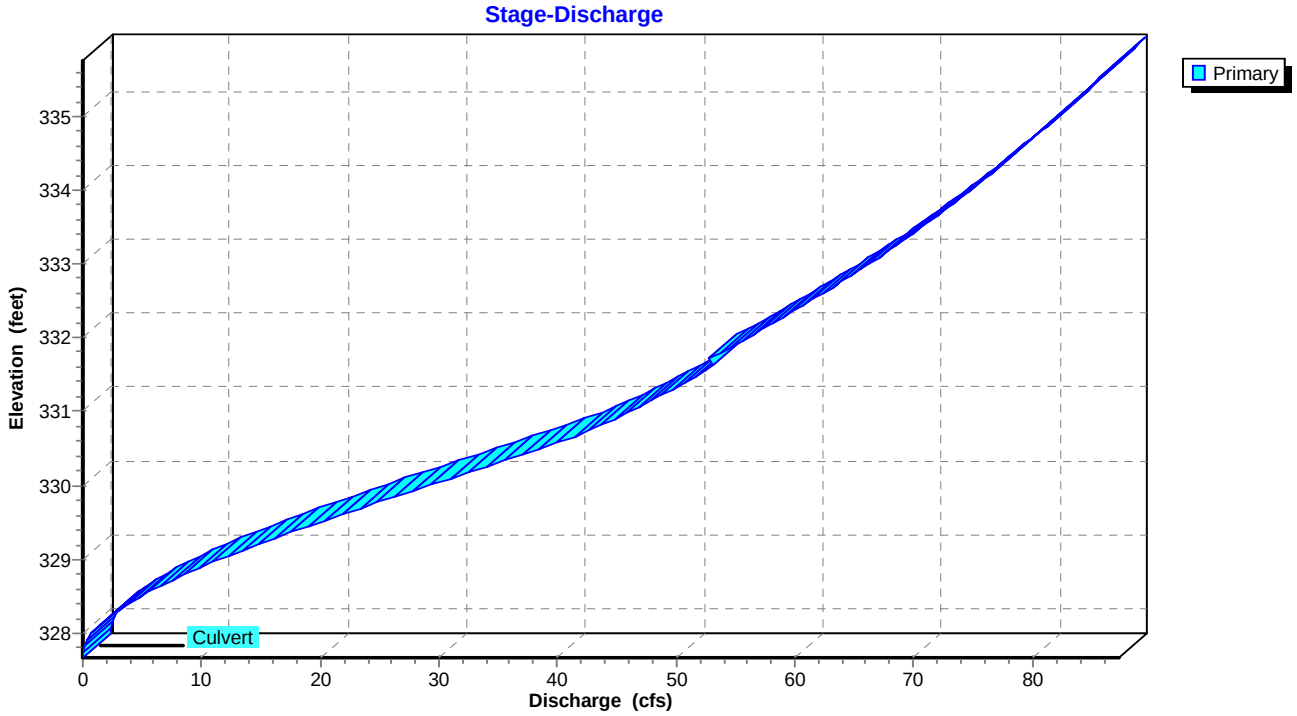
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=23.02 cfs @ 12.19 hrs HW=329.76' TW=328.26' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 23.02 cfs @ 6.16 fps)

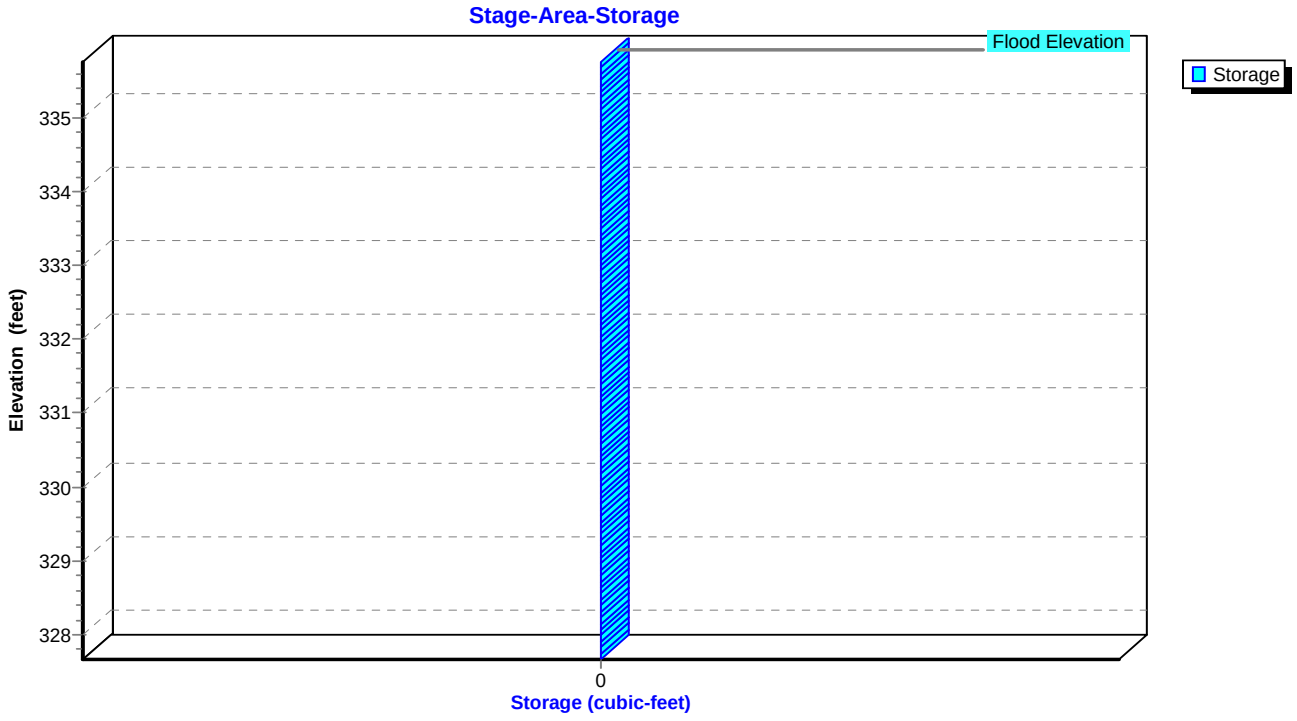
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.68	0.00
7.00	0.01	327.70	0.01
7.50	0.03	327.74	0.03
8.00	0.08	327.78	0.08
8.50	0.16	327.83	0.16
9.00	0.29	327.87	0.29
9.50	0.46	327.92	0.46
10.00	0.67	327.97	0.67
10.50	0.98	328.04	0.98
11.00	1.41	328.11	1.41
11.50	2.38	328.24	2.38
12.00	**12.00**	**329.07**	**12.00**
12.50	**14.25**	**329.21**	**14.25**
13.00	4.52	328.47	4.52
13.50	2.93	328.30	2.93
14.00	2.39	328.24	2.39
14.50	2.02	328.20	2.02
15.00	1.78	328.16	1.78
15.50	1.53	328.13	1.53
16.00	1.28	328.09	1.28
16.50	1.11	328.06	1.11
17.00	0.99	328.04	0.99
17.50	0.88	328.02	0.88
18.00	0.77	328.00	0.77
18.50	0.70	327.98	0.70
19.00	0.67	327.97	0.67
19.50	0.64	327.97	0.64
20.00	0.60	327.96	0.60
20.50	0.58	327.95	0.58
21.00	0.55	327.95	0.55
21.50	0.53	327.94	0.53
22.00	0.50	327.93	0.50
22.50	0.48	327.93	0.48
23.00	0.45	327.92	0.45
23.50	0.43	327.91	0.43
24.00	0.40	327.91	0.40

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

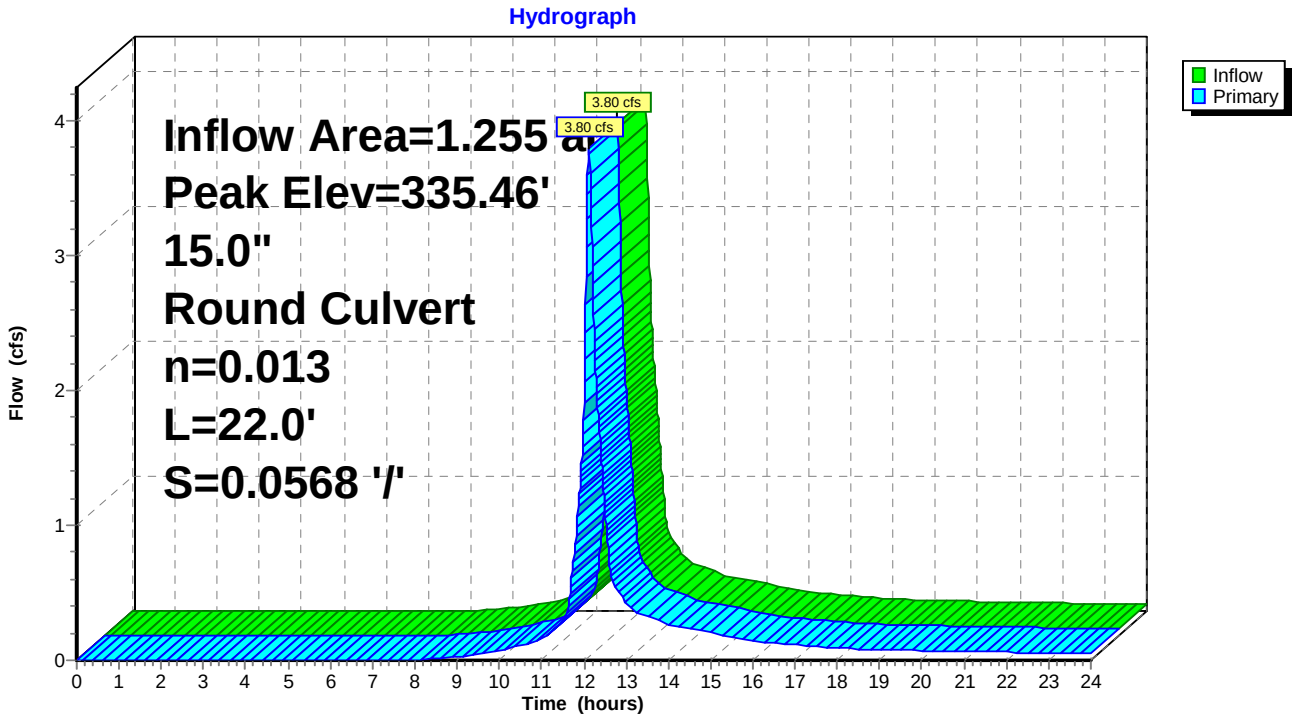
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af
Outflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.46' @ 12.12 hrs
Flood Elev= 337.00'

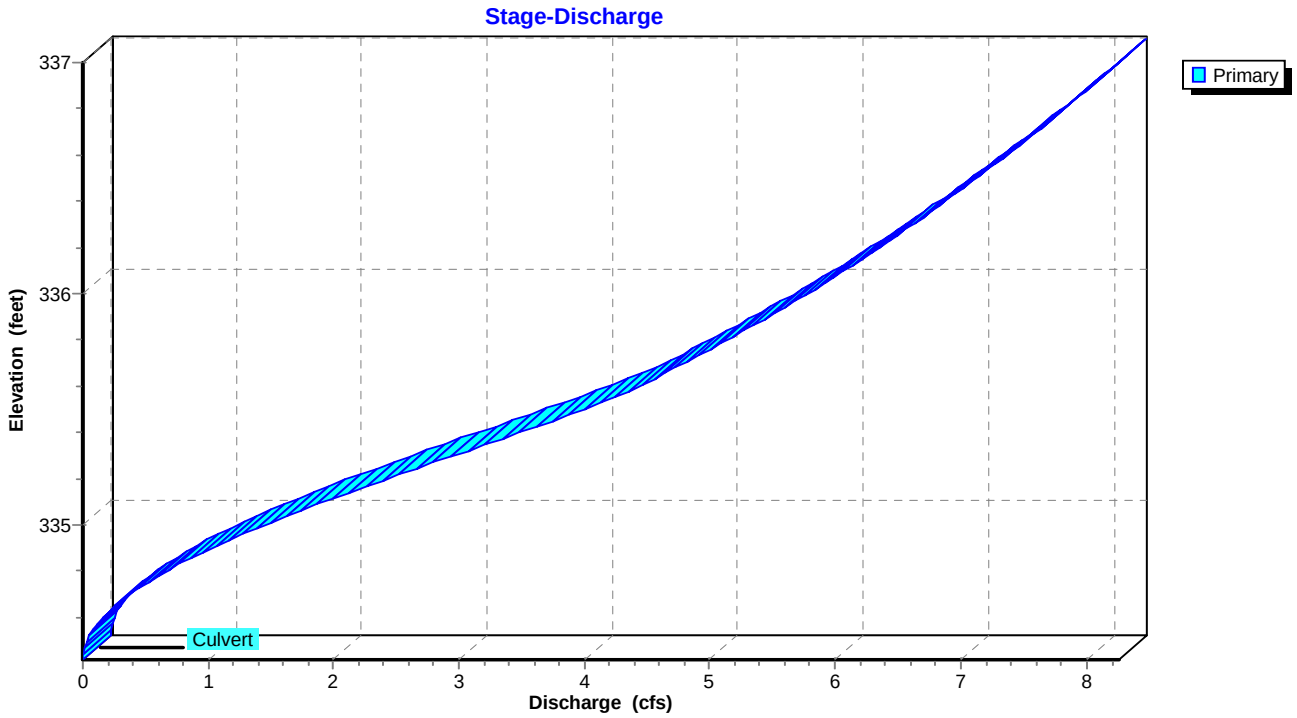
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.80 cfs @ 12.12 hrs HW=335.46' TW=329.64' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.80 cfs @ 3.47 fps)

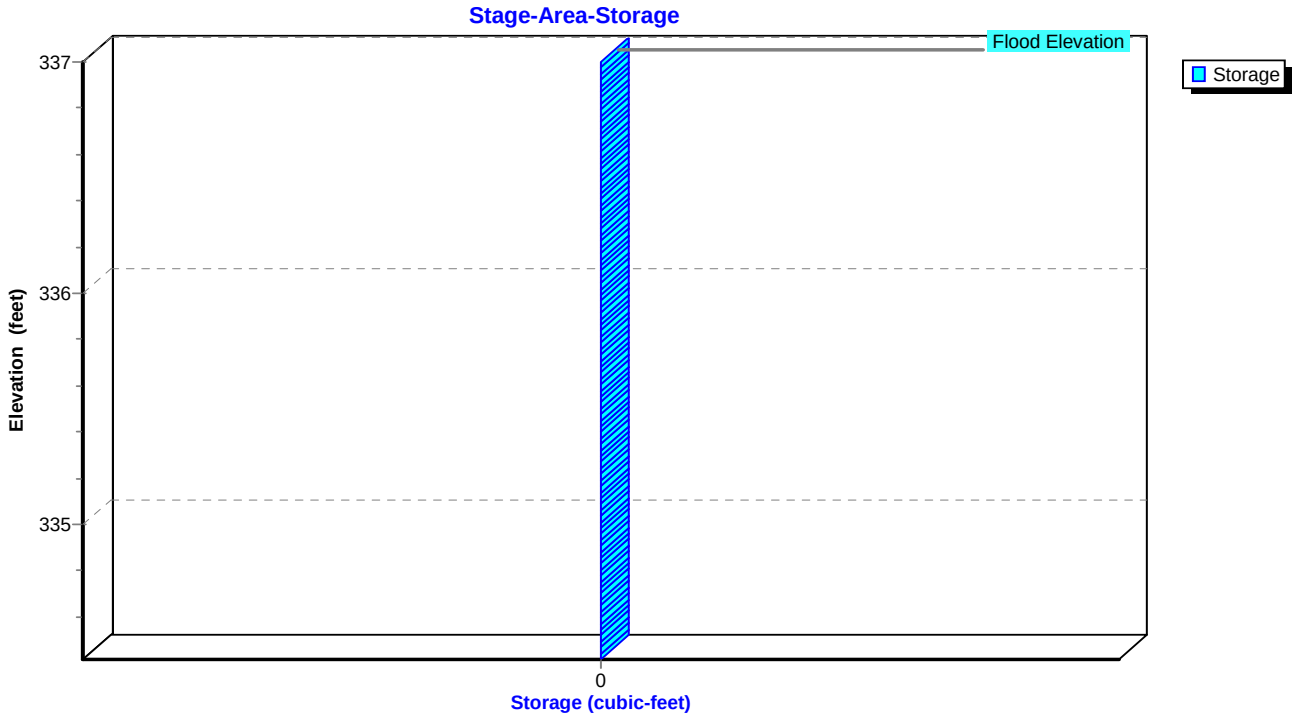
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.44	0.00
8.50	0.01	334.47	0.01
9.00	0.03	334.49	0.03
9.50	0.05	334.52	0.05
10.00	0.07	334.54	0.07
10.50	0.11	334.57	0.11
11.00	0.16	334.60	0.16
11.50	0.30	334.67	0.30
12.00	**1.91**	**335.10**	**1.91**
12.50	**1.13**	**334.93**	**1.13**
13.00	0.43	334.72	0.43
13.50	0.33	334.68	0.33
14.00	0.27	334.66	0.27
14.50	0.23	334.64	0.23
15.00	0.20	334.63	0.20
15.50	0.17	334.61	0.17
16.00	0.15	334.59	0.15
16.50	0.13	334.58	0.13
17.00	0.12	334.57	0.12
17.50	0.10	334.56	0.10
18.00	0.09	334.55	0.09
18.50	0.08	334.55	0.08
19.00	0.08	334.55	0.08
19.50	0.08	334.54	0.08
20.00	0.07	334.54	0.07
20.50	0.07	334.54	0.07
21.00	0.06	334.53	0.06
21.50	0.06	334.53	0.06
22.00	0.06	334.53	0.06
22.50	0.06	334.53	0.06
23.00	0.05	334.52	0.05
23.50	0.05	334.52	0.05
24.00	0.05	334.52	0.05

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

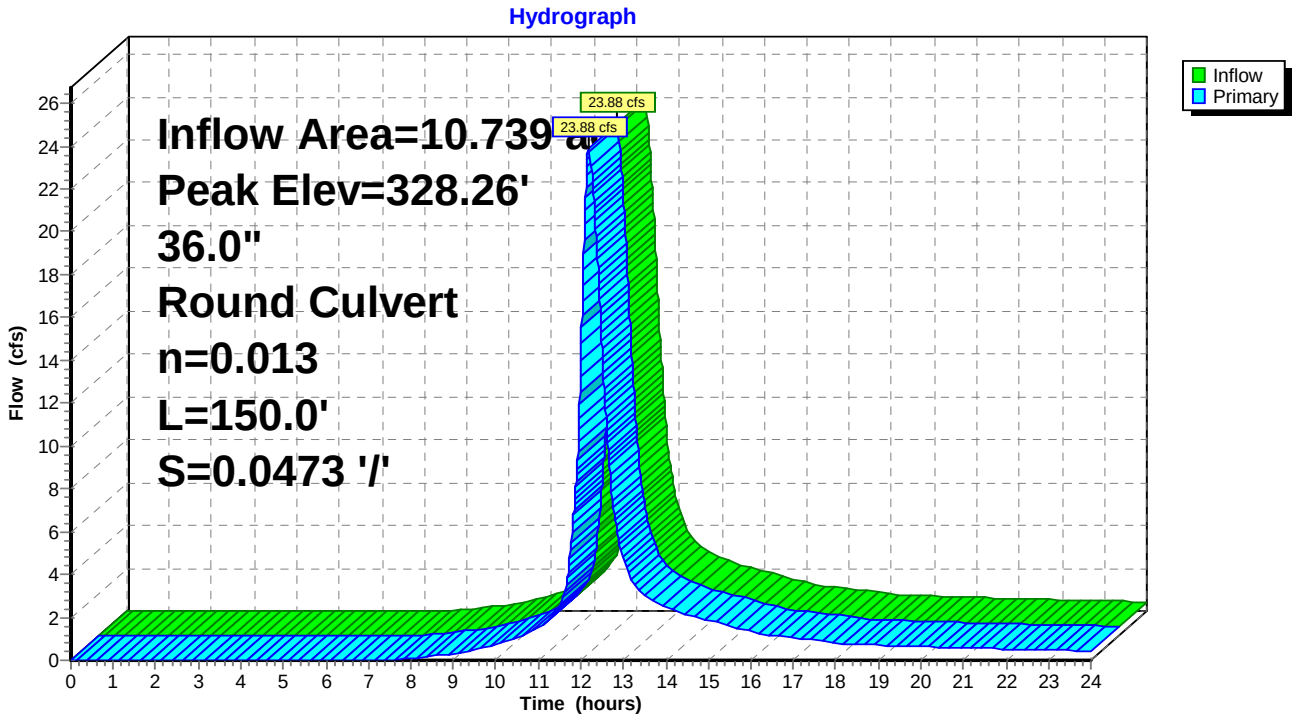
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 2.99" for 10-Year event
Inflow = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af
Outflow = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af, Atten= 0%, Lag= 0.0 min
Primary = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.26' @ 12.18 hrs
Flood Elev= 332.25'

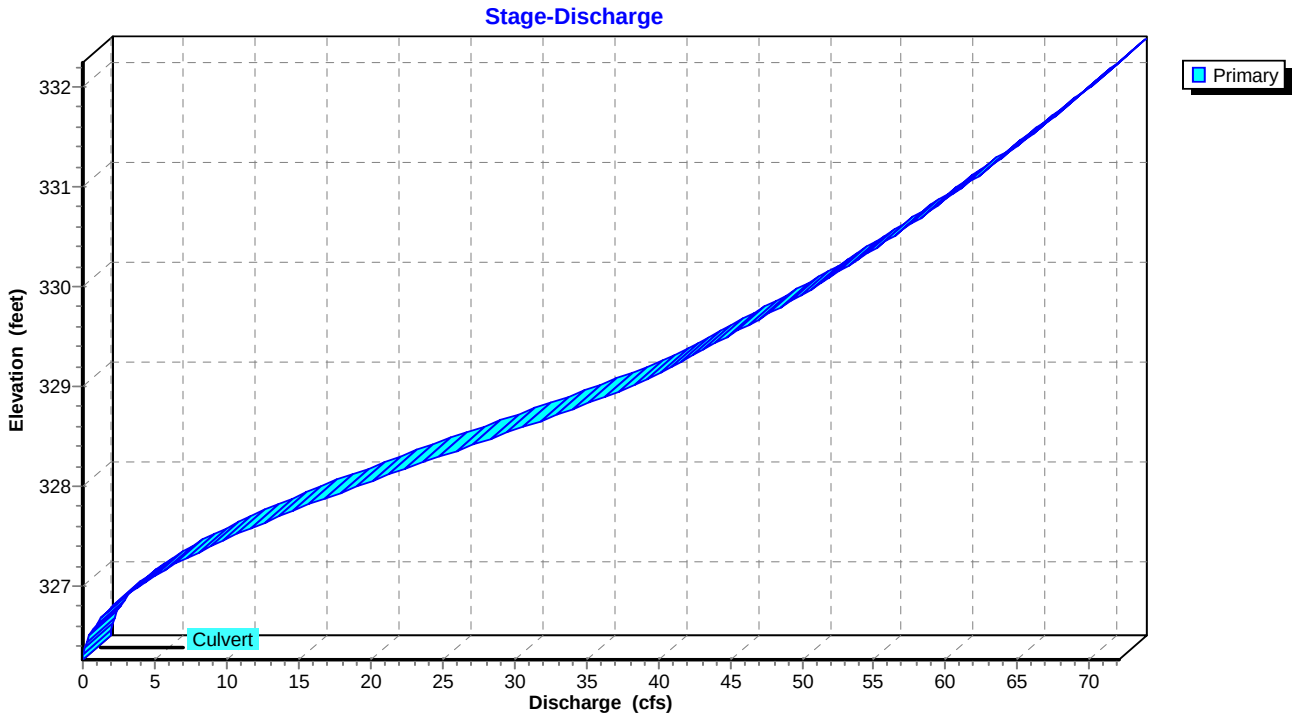
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=23.87 cfs @ 12.18 hrs HW=328.26' TW=321.05' (Dynamic Tailwater)
1=Culvert (Inlet Controls 23.87 cfs @ 4.80 fps)

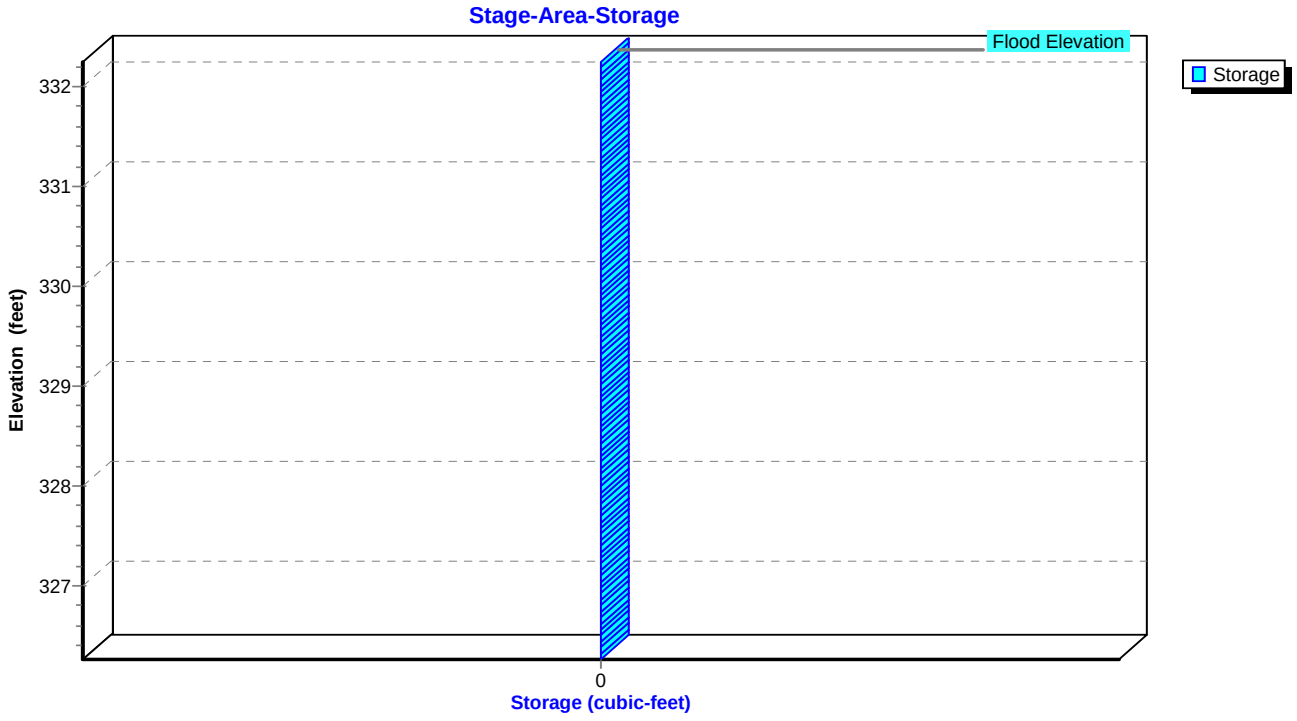
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.01	326.30	0.01
7.50	0.03	326.33	0.03
8.00	0.08	326.37	0.08
8.50	0.18	326.42	0.18
9.00	0.31	326.47	0.31
9.50	0.49	326.52	0.49
10.00	0.71	326.58	0.71
10.50	1.03	326.64	1.03
11.00	1.49	326.72	1.49
11.50	2.53	326.86	2.53
12.00	**14.00**	**327.73**	**14.00**
12.50	**14.53**	**327.76**	**14.53**
13.00	4.68	327.08	4.68
13.50	3.07	326.92	3.07
14.00	2.50	326.85	2.50
14.50	2.12	326.80	2.12
15.00	1.86	326.77	1.86
15.50	1.60	326.73	1.60
16.00	1.34	326.69	1.34
16.50	1.16	326.66	1.16
17.00	1.04	326.64	1.04
17.50	0.93	326.62	0.93
18.00	0.81	326.60	0.81
18.50	0.74	326.58	0.74
19.00	0.70	326.57	0.70
19.50	0.67	326.57	0.67
20.00	0.63	326.56	0.63
20.50	0.60	326.55	0.60
21.00	0.58	326.54	0.58
21.50	0.55	326.54	0.55
22.00	0.53	326.53	0.53
22.50	0.50	326.53	0.50
23.00	0.47	326.52	0.47
23.50	0.45	326.51	0.45
24.00	0.42	326.50	0.42

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

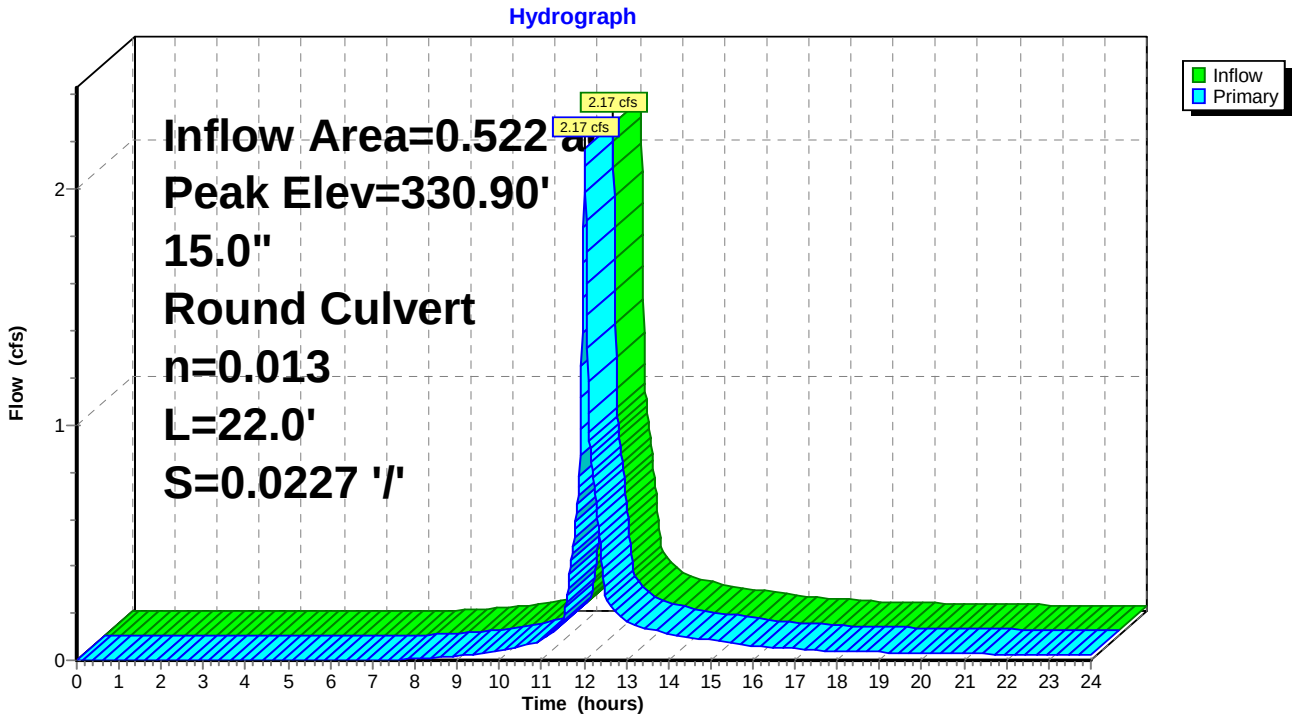
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af
Outflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min
Primary = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.90' @ 12.02 hrs
Flood Elev= 332.80'

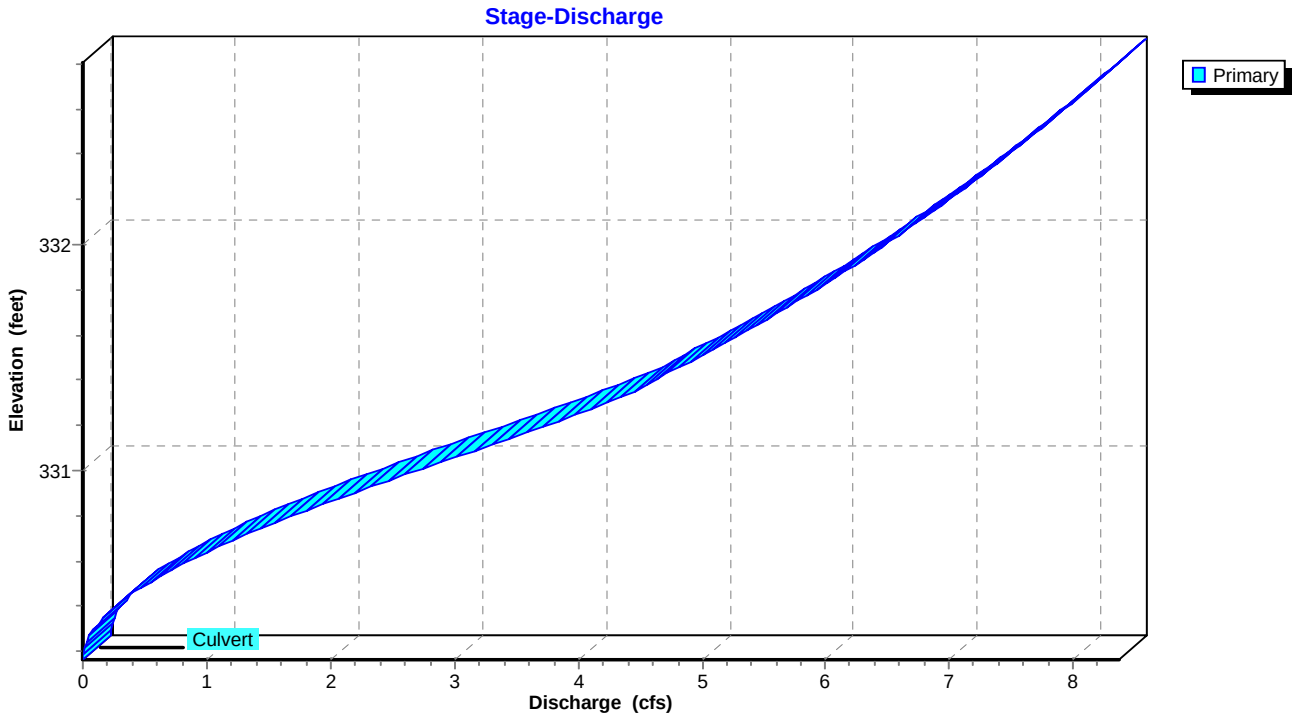
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.17 cfs @ 12.02 hrs HW=330.90' TW=327.81' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.17 cfs @ 2.91 fps)

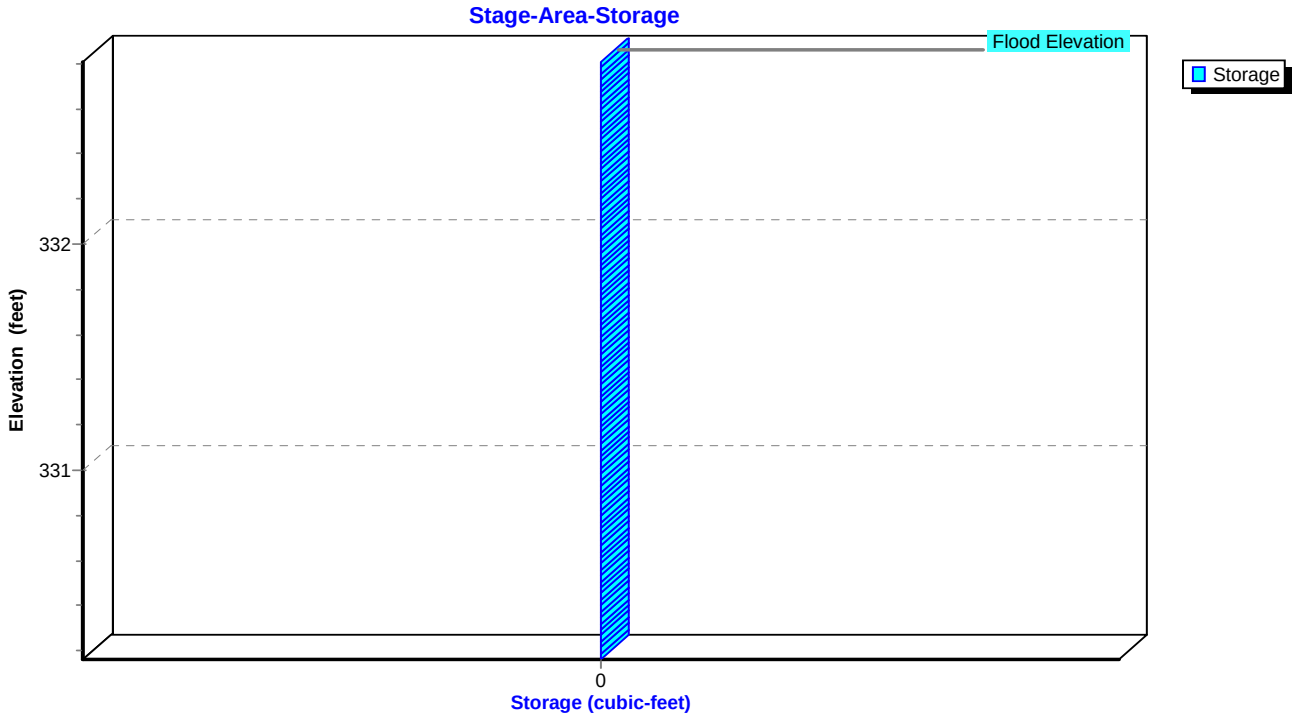
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.19	0.00
8.00	0.01	330.20	0.01
8.50	0.01	330.22	0.01
9.00	0.02	330.23	0.02
9.50	0.03	330.24	0.03
10.00	0.04	330.26	0.04
10.50	0.06	330.28	0.06
11.00	0.08	330.30	0.08
11.50	0.16	330.35	0.16
12.00	**2.00**	**330.87**	**2.00**
12.50	**0.29**	**330.41**	**0.29**
13.00	0.16	330.35	0.16
13.50	0.14	330.34	0.14
14.00	0.11	330.32	0.11
14.50	0.10	330.31	0.10
15.00	0.08	330.30	0.08
15.50	0.07	330.29	0.07
16.00	0.06	330.28	0.06
16.50	0.05	330.27	0.05
17.00	0.05	330.27	0.05
17.50	0.04	330.26	0.04
18.00	0.04	330.26	0.04
18.50	0.04	330.25	0.04
19.00	0.03	330.25	0.03
19.50	0.03	330.25	0.03
20.00	0.03	330.25	0.03
20.50	0.03	330.25	0.03
21.00	0.03	330.24	0.03
21.50	0.03	330.24	0.03
22.00	0.02	330.24	0.02
22.50	0.02	330.24	0.02
23.00	0.02	330.24	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

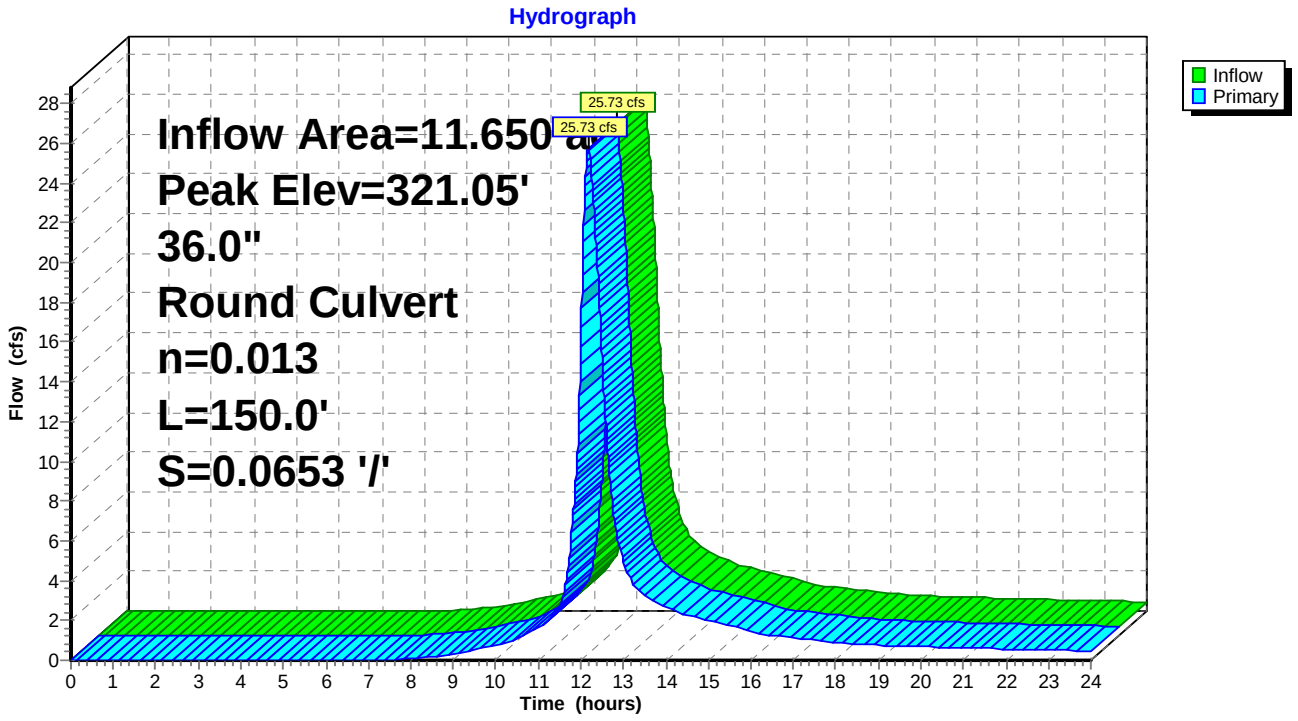
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af
Outflow = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af, Atten= 0%, Lag= 0.0 min
Primary = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.05' @ 12.17 hrs
Flood Elev= 338.50'

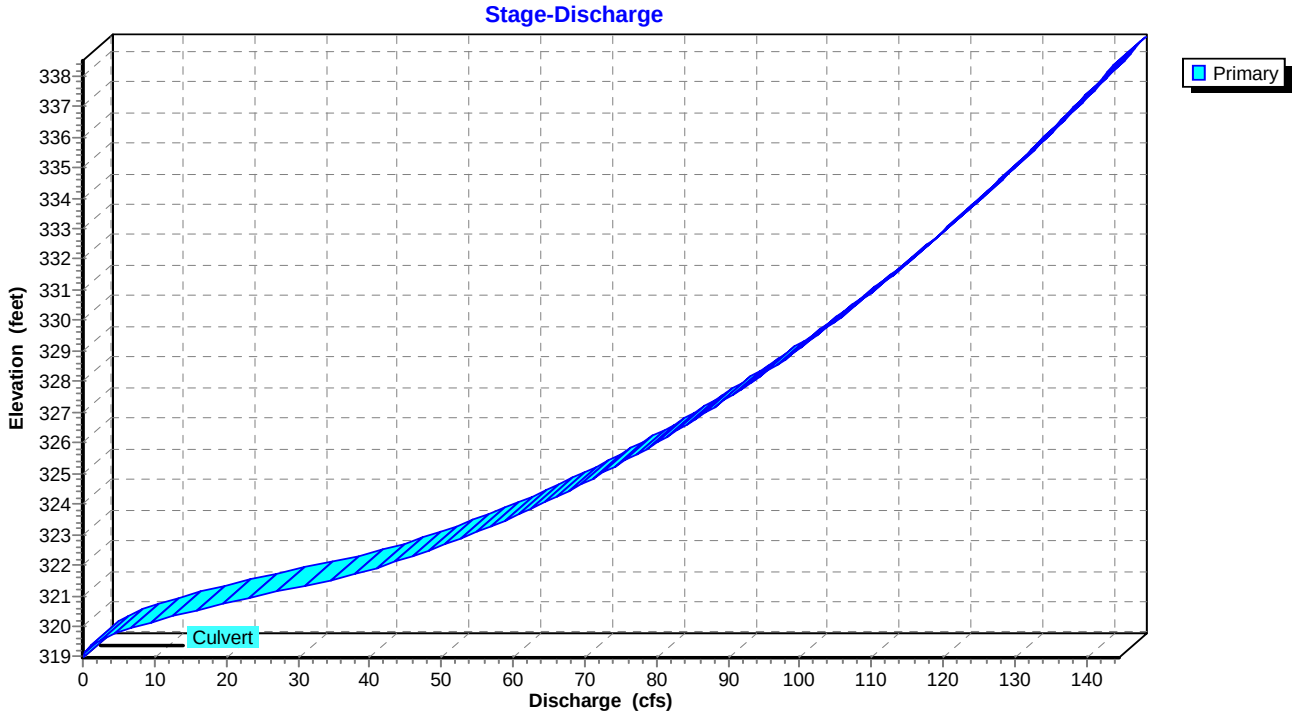
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.72 cfs @ 12.17 hrs HW=321.05' TW=311.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 25.72 cfs @ 4.91 fps)

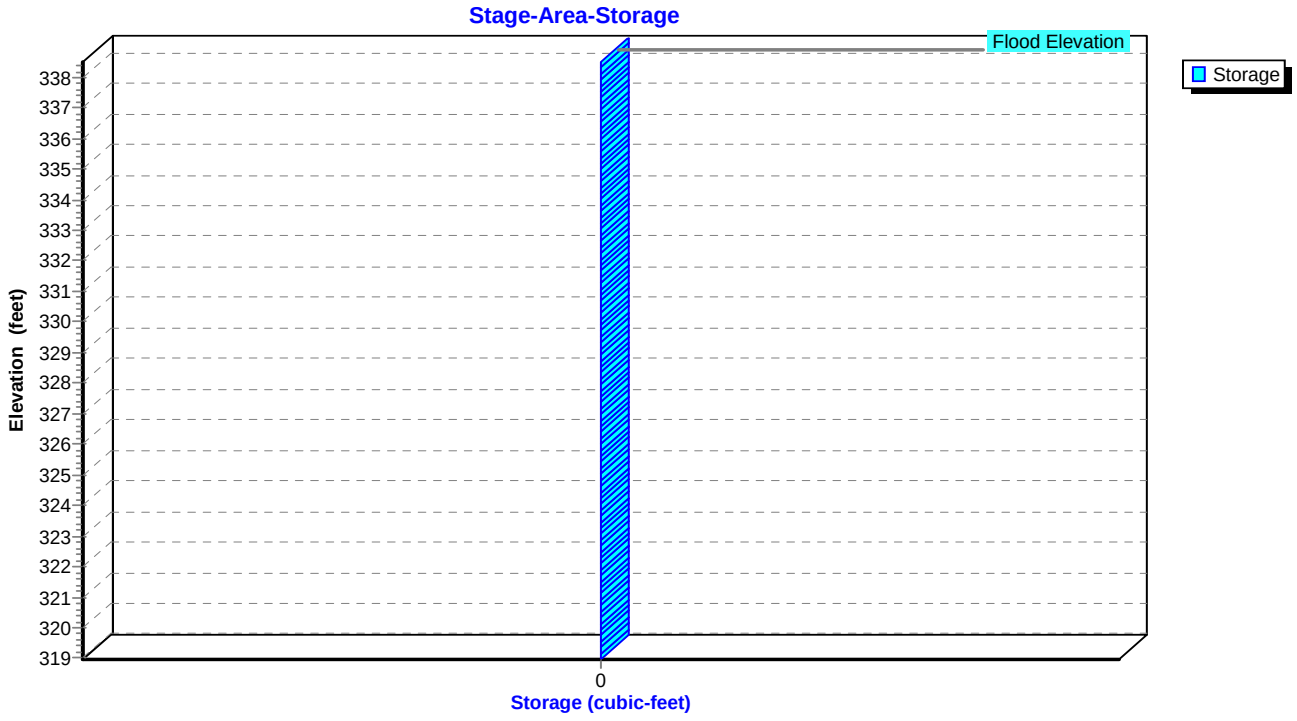
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.01	319.00	0.01
7.50	0.03	319.03	0.03
8.00	0.08	319.07	0.08
8.50	0.18	319.12	0.18
9.00	0.33	319.18	0.33
9.50	0.52	319.23	0.52
10.00	0.76	319.29	0.76
10.50	1.11	319.35	1.11
11.00	1.60	319.43	1.60
11.50	2.75	319.58	2.75
12.00	**15.79**	**320.53**	**15.79**
12.50	**15.20**	**320.50**	**15.20**
13.00	4.97	319.80	4.97
13.50	3.29	319.64	3.29
14.00	2.69	319.57	2.69
14.50	2.28	319.53	2.28
15.00	2.01	319.49	2.01
15.50	1.73	319.45	1.73
16.00	1.44	319.41	1.44
16.50	1.25	319.38	1.25
17.00	1.12	319.36	1.12
17.50	1.00	319.33	1.00
18.00	0.87	319.31	0.87
18.50	0.80	319.29	0.80
19.00	0.76	319.29	0.76
19.50	0.72	319.28	0.72
20.00	0.68	319.27	0.68
20.50	0.65	319.26	0.65
21.00	0.62	319.26	0.62
21.50	0.60	319.25	0.60
22.00	0.57	319.24	0.57
22.50	0.54	319.24	0.54
23.00	0.51	319.23	0.51
23.50	0.48	319.22	0.48
24.00	0.45	319.21	0.45

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

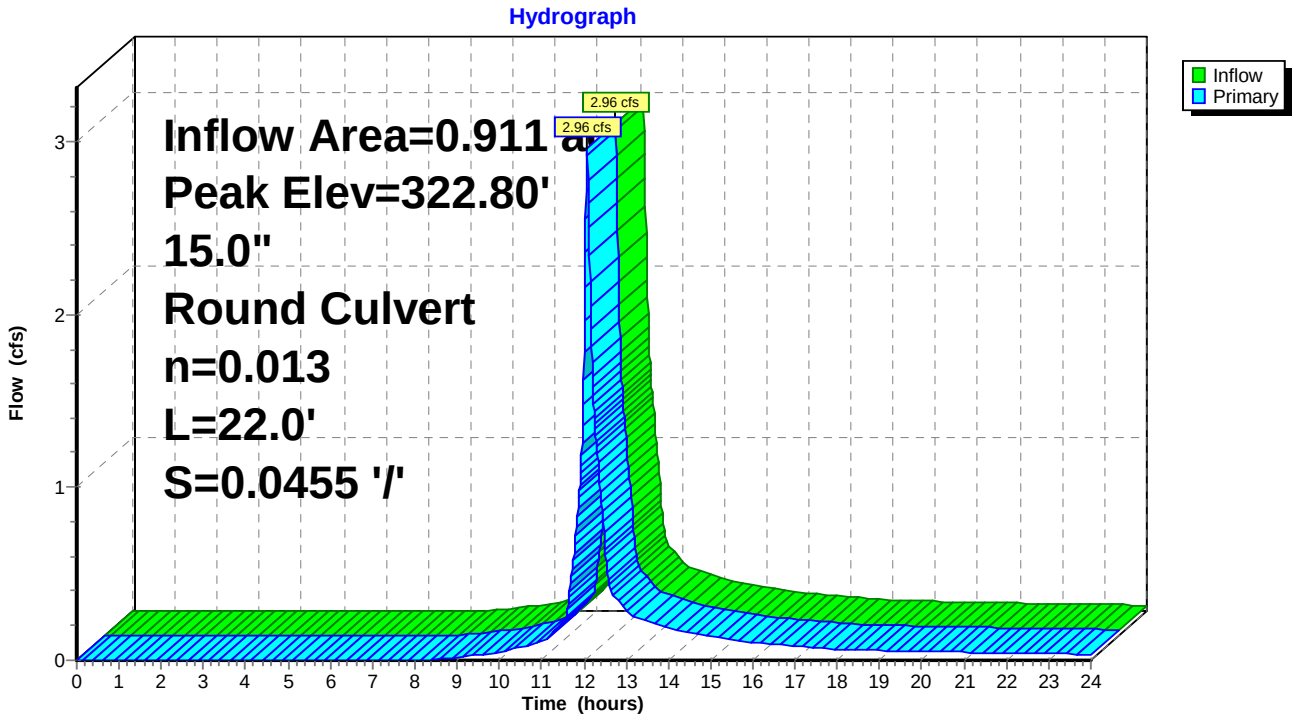
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af
Outflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af, Atten= 0%, Lag= 0.0 min
Primary = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.80' @ 12.08 hrs
Flood Elev= 324.50'

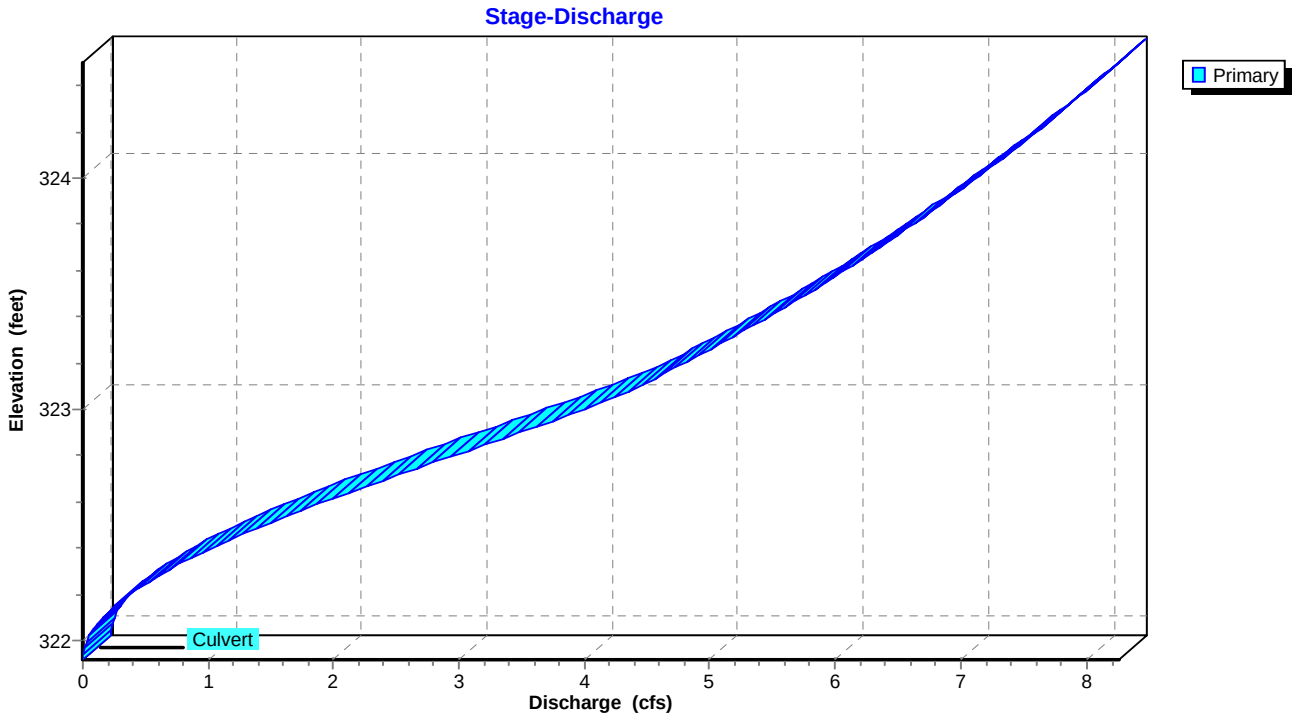
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.96 cfs @ 12.08 hrs HW=322.80' TW=320.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.96 cfs @ 3.20 fps)

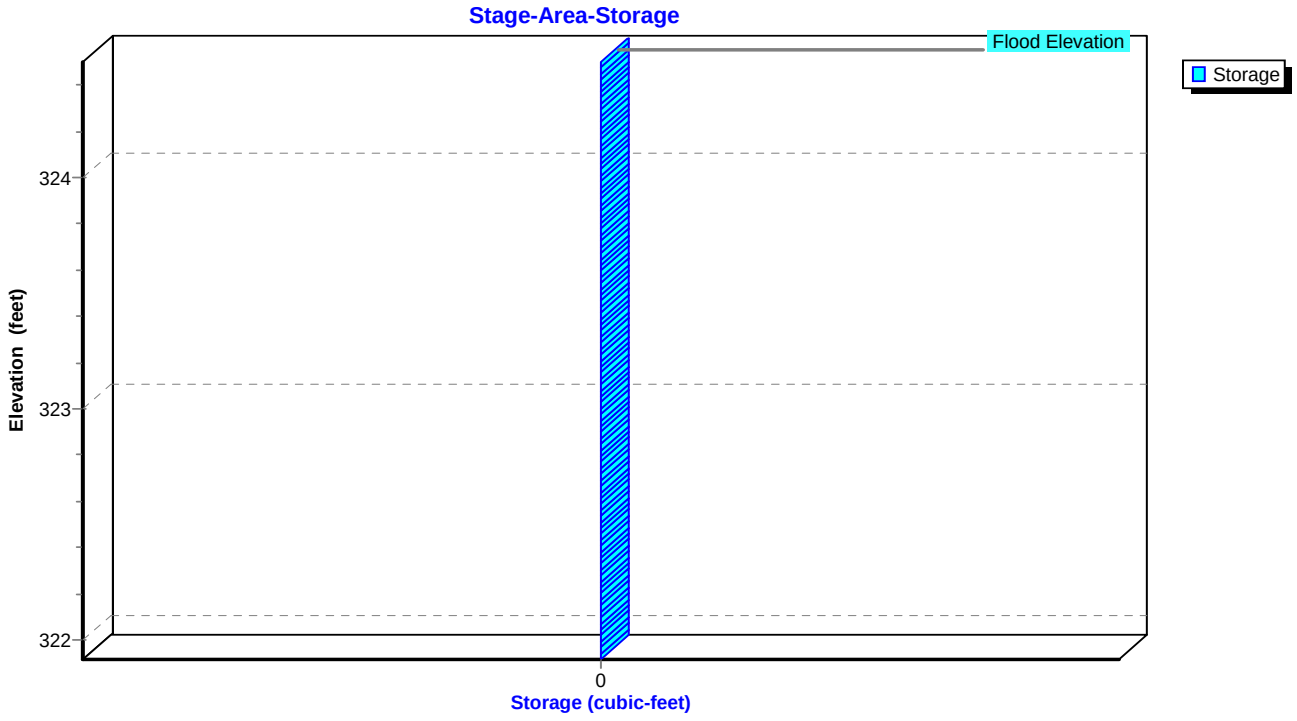
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.01	321.96	0.01
9.00	0.02	321.98	0.02
9.50	0.03	322.00	0.03
10.00	0.05	322.02	0.05
10.50	0.07	322.04	0.07
11.00	0.11	322.07	0.11
11.50	0.21	322.13	0.21
12.00	**1.79**	**322.57**	**1.79**
12.50	**0.67**	**322.30**	**0.67**
13.00	0.29	322.17	0.29
13.50	0.23	322.14	0.23
14.00	0.19	322.12	0.19
14.50	0.16	322.10	0.16
15.00	0.14	322.09	0.14
15.50	0.12	322.08	0.12
16.00	0.10	322.06	0.10
16.50	0.09	322.06	0.09
17.00	0.08	322.05	0.08
17.50	0.07	322.04	0.07
18.00	0.06	322.03	0.06
18.50	0.06	322.03	0.06
19.00	0.06	322.03	0.06
19.50	0.05	322.02	0.05
20.00	0.05	322.02	0.05
20.50	0.05	322.02	0.05
21.00	0.05	322.02	0.05
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.04	322.01	0.04
23.00	0.04	322.01	0.04
23.50	0.04	322.00	0.04
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.38' Inflow=6.04 cfs 0.715 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=6.04 cfs 0.715 af

Pond CB10: Catchbasin Peak Elev=311.52' Inflow=34.85 cfs 3.956 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=34.85 cfs 3.956 af

Pond CB10-1: CB1-1 Peak Elev=312.89' Inflow=3.45 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.45 cfs 0.209 af

Pond CB11: Catchbasin Peak Elev=300.80' Inflow=37.24 cfs 4.155 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=37.24 cfs 4.155 af

Pond CB11-1: CB1-1 Peak Elev=302.95' Inflow=2.43 cfs 0.199 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.43 cfs 0.199 af

Pond CB12: Catchbasin Peak Elev=299.51' Inflow=42.19 cfs 4.561 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=42.19 cfs 4.561 af

Pond CB12-1: CB1-1 Peak Elev=301.11' Inflow=5.33 cfs 0.406 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=5.33 cfs 0.406 af

Pond CB13: Catchbasin Peak Elev=296.49' Inflow=45.16 cfs 4.816 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=45.16 cfs 4.816 af

Pond CB13-1: CB1-1 Peak Elev=297.31' Inflow=2.99 cfs 0.254 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.99 cfs 0.254 af

Pond CB14: Catchbasin Peak Elev=289.44' Inflow=45.74 cfs 4.896 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=45.74 cfs 4.896 af

Pond CB14-1: CB1-1 Peak Elev=290.97' Inflow=1.31 cfs 0.081 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=1.31 cfs 0.081 af

Pond CB15: Catchbasin Peak Elev=285.71' Inflow=59.23 cfs 6.676 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=59.23 cfs 6.676 af

Pond CB15-1: CB1-1 Peak Elev=286.87' Inflow=16.80 cfs 1.780 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=16.80 cfs 1.780 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.21' Inflow=12.84 cfs 1.452 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=12.84 cfs 1.452 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=343.56' Inflow=15.76 cfs 1.772 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=15.76 cfs 1.772 af

Pond CB4: Catchbasin Peak Elev=333.81' Inflow=21.02 cfs 2.411 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=21.02 cfs 2.411 af

Pond CB4-1: CB1-1 Peak Elev=337.93' Inflow=21.02 cfs 2.411 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=21.02 cfs 2.411 af

Pond CB5: Catchbasin Peak Elev=332.65' Inflow=21.57 cfs 2.504 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=21.57 cfs 2.504 af

Pond CB5-1: CB1-1 Peak Elev=334.49' Inflow=1.57 cfs 0.093 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.57 cfs 0.093 af

Pond CB6: Catchbasin Peak Elev=331.48' Inflow=26.06 cfs 2.923 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=26.06 cfs 2.923 af

Pond CB6-1: CB1-1 Peak Elev=337.17' Inflow=4.66 cfs 0.419 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=4.66 cfs 0.419 af

Pond CB7: Catchbasin Peak Elev=330.17' Inflow=29.93 cfs 3.307 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=29.93 cfs 3.307 af

Pond CB7-1: CB1-1 Peak Elev=335.75' Inflow=4.97 cfs 0.384 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=4.97 cfs 0.384 af

Pond CB8: Catchbasin Peak Elev=328.62' Inflow=31.00 cfs 3.476 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=31.00 cfs 3.476 af

Pond CB8-1: CB1-1 Peak Elev=331.02' Inflow=2.81 cfs 0.169 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.81 cfs 0.169 af

Pond CB9: Catchbasin Peak Elev=321.45' Inflow=33.48 cfs 3.748 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=33.48 cfs 3.748 af

Pond CB9-1: CB1-1 Peak Elev=322.98' Inflow=3.90 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.90 cfs 0.271 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

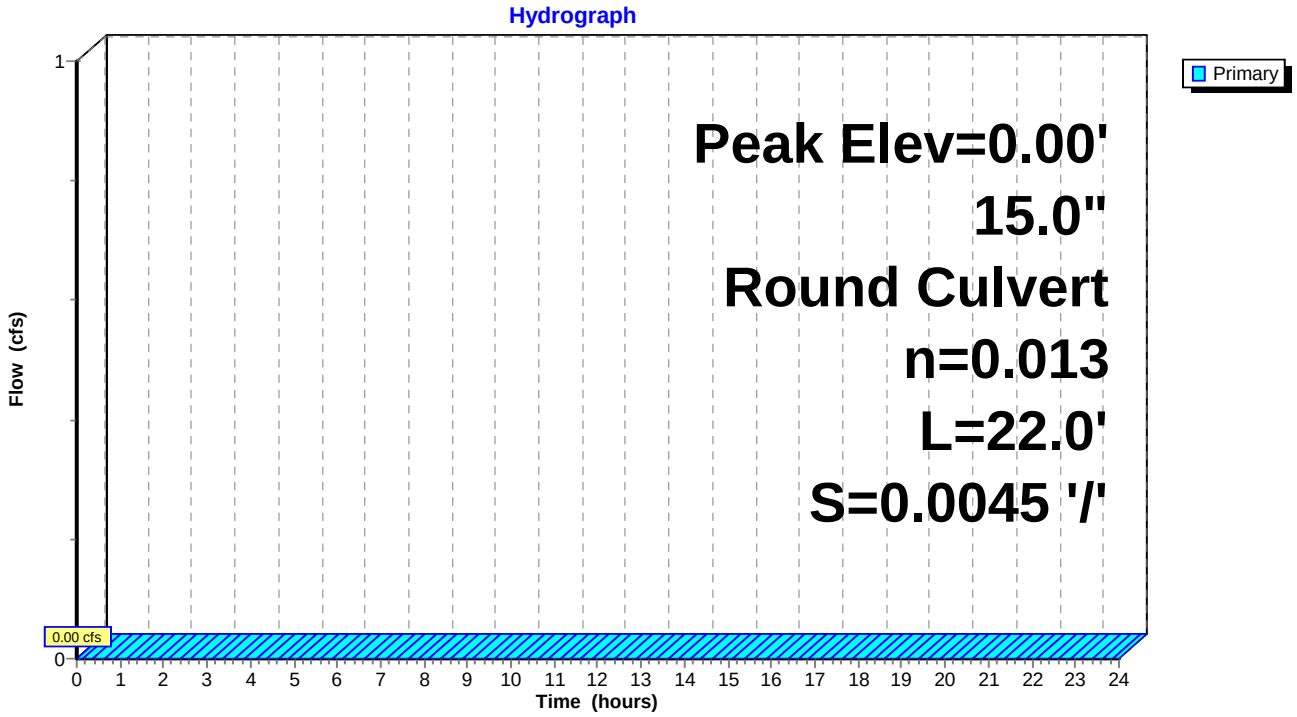
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

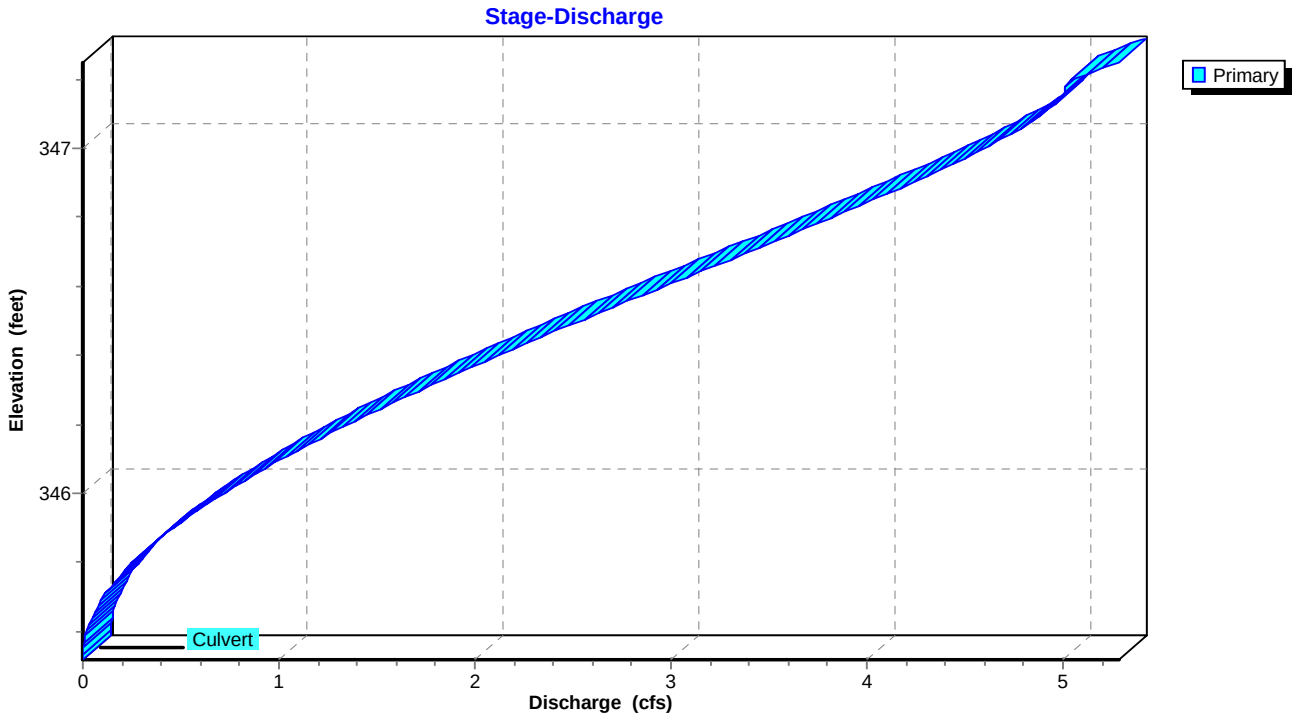
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

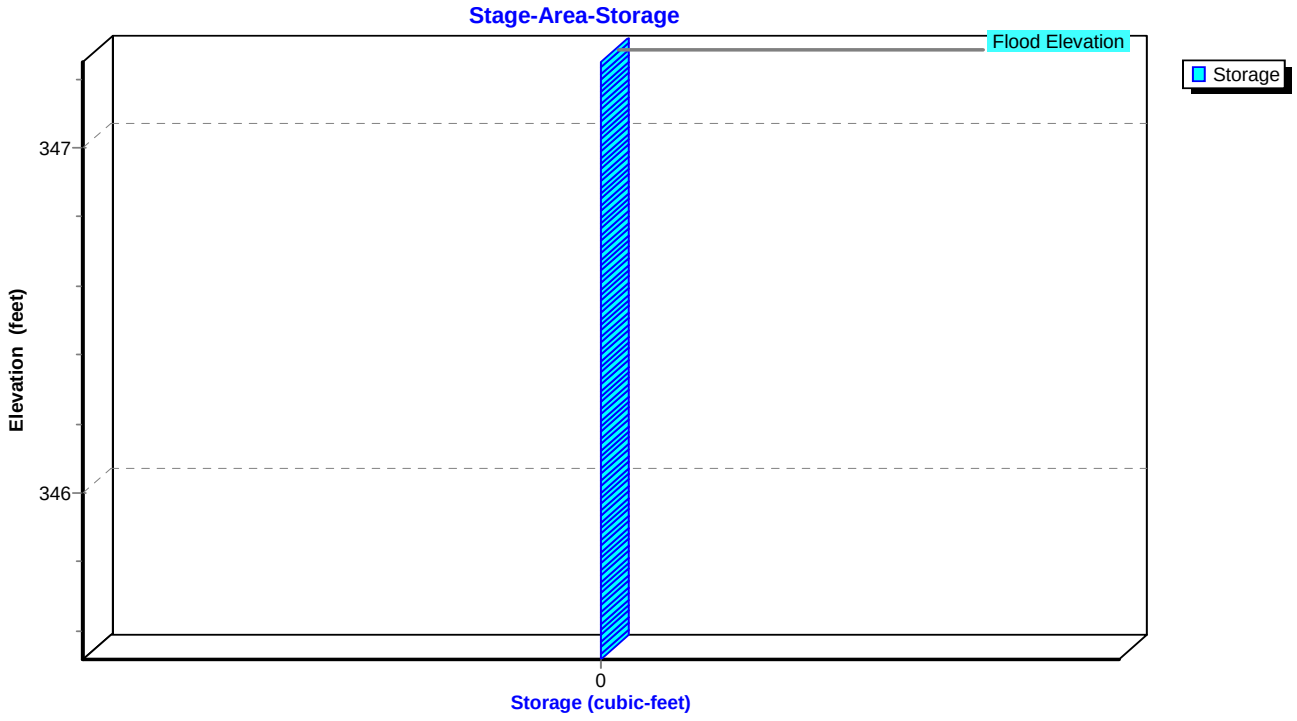
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

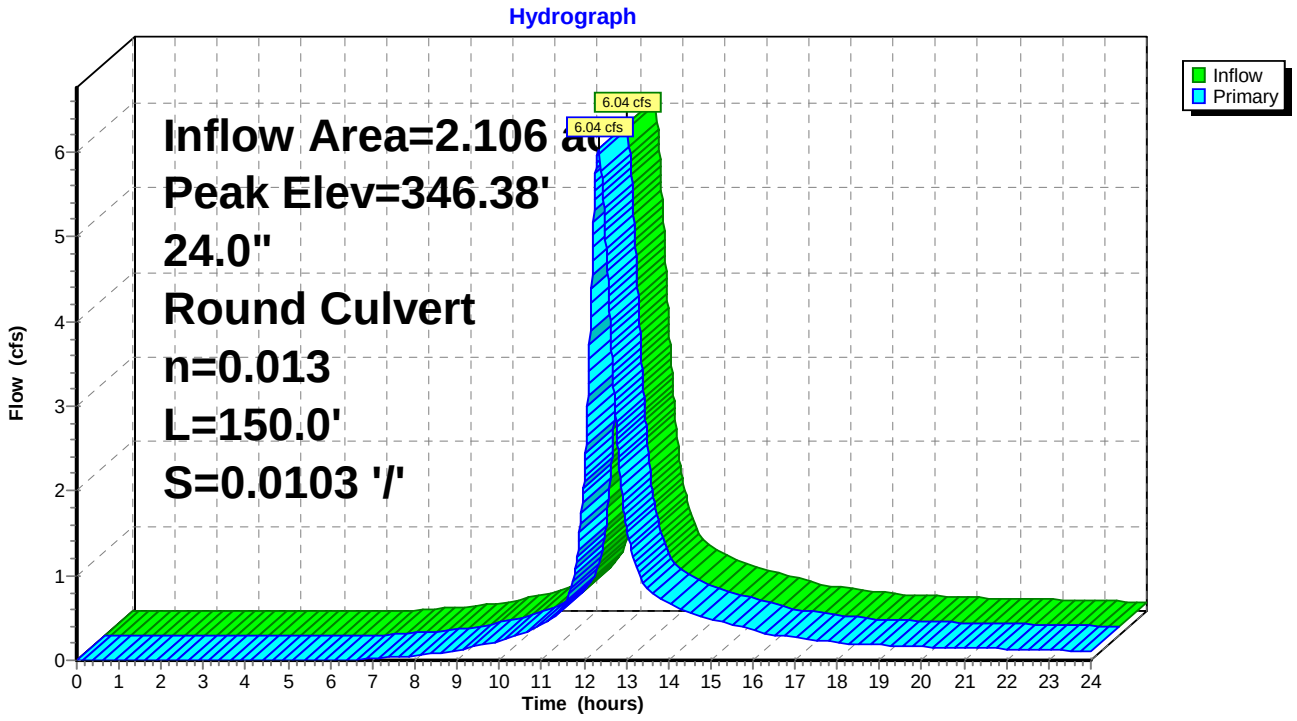
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 4.07" for 25-Year event
Inflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af
Outflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af, Atten= 0%, Lag= 0.0 min
Primary = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.38' @ 12.33 hrs
Flood Elev= 348.80'

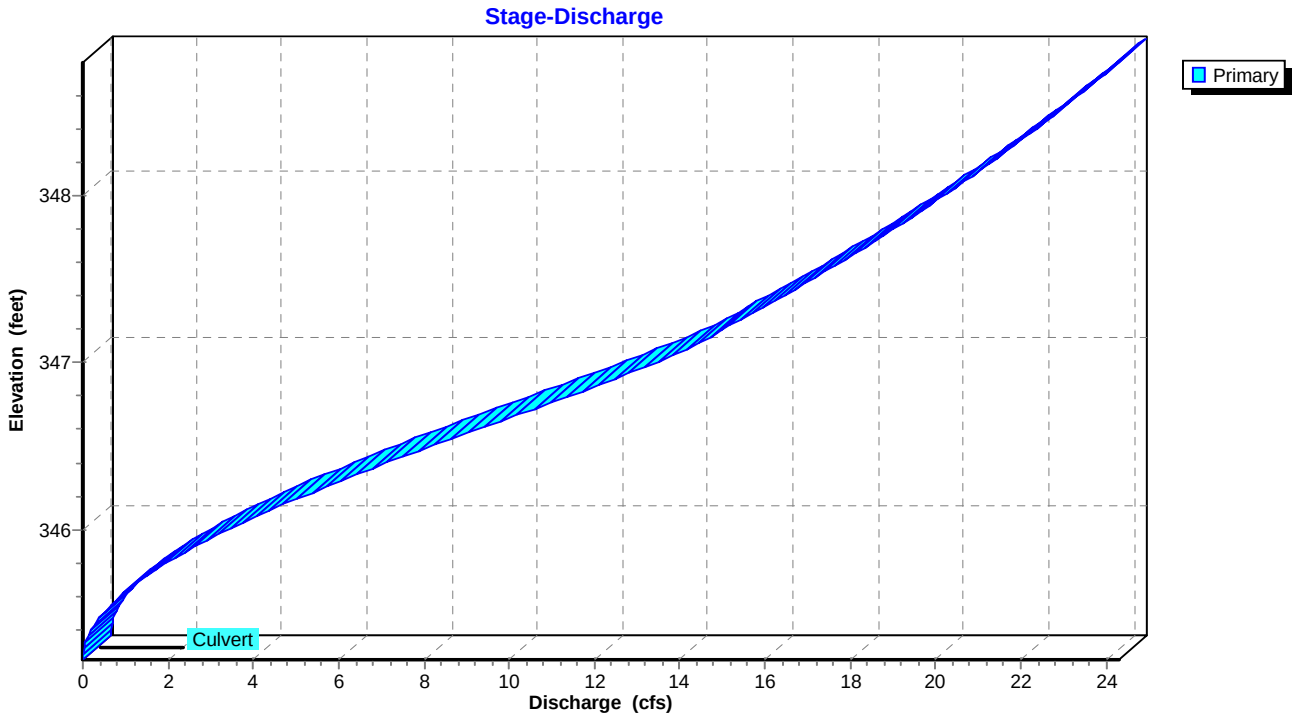
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=6.07 cfs @ 12.34 hrs HW=346.38' TW=345.18' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.07 cfs @ 4.63 fps)

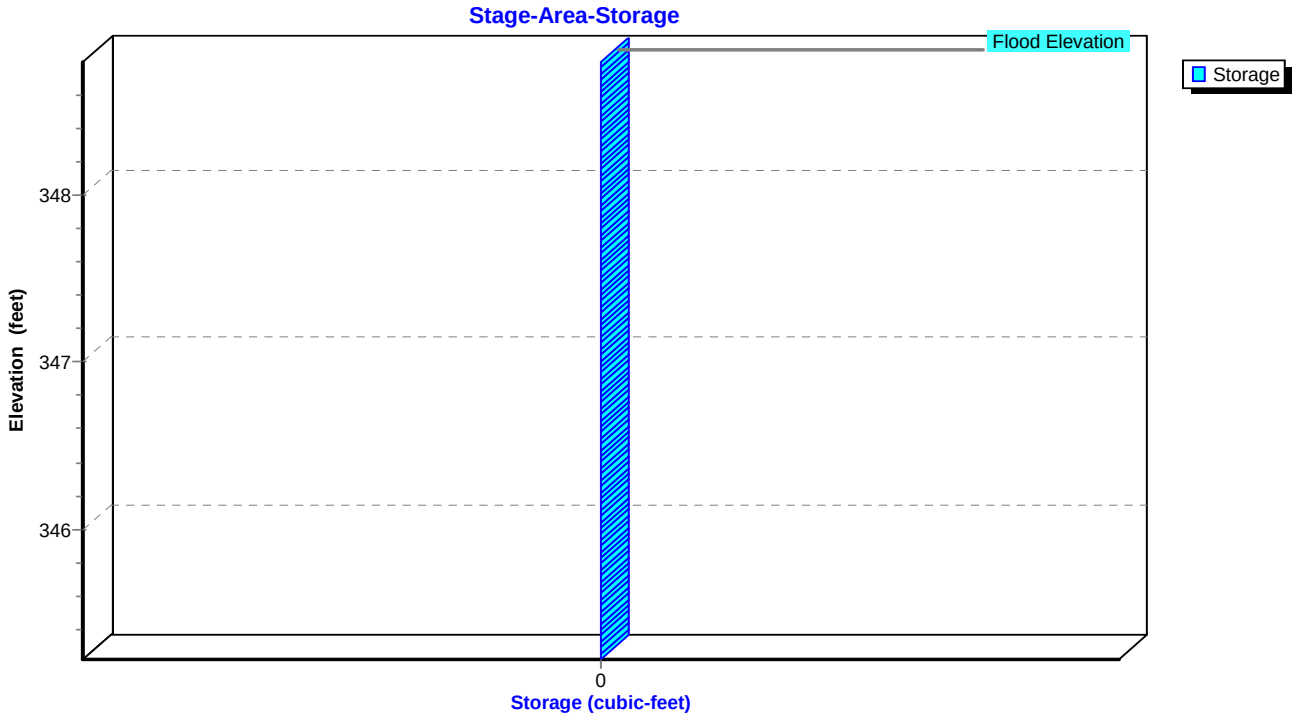
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.23	0.00
6.50	0.01	345.26	0.01
7.00	0.02	345.28	0.02
7.50	0.04	345.30	0.04
8.00	0.06	345.32	0.06
8.50	0.08	345.34	0.08
9.00	0.12	345.36	0.12
9.50	0.17	345.39	0.17
10.00	0.23	345.41	0.23
10.50	0.31	345.44	0.31
11.00	0.43	345.48	0.43
11.50	0.64	345.54	0.64
12.00	**2.10**	**345.82**	**2.10**
12.50	**5.16**	**346.24**	**5.16**
13.00	1.60	345.74	1.60
13.50	0.85	345.59	0.85
14.00	0.67	345.55	0.67
14.50	0.56	345.52	0.56
15.00	0.49	345.50	0.49
15.50	0.42	345.48	0.42
16.00	0.36	345.46	0.36
16.50	0.30	345.44	0.30
17.00	0.27	345.43	0.27
17.50	0.24	345.42	0.24
18.00	0.21	345.40	0.21
18.50	0.19	345.39	0.19
19.00	0.18	345.39	0.18
19.50	0.17	345.38	0.17
20.00	0.16	345.38	0.16
20.50	0.15	345.38	0.15
21.00	0.15	345.37	0.15
21.50	0.14	345.37	0.14
22.00	0.13	345.37	0.13
22.50	0.13	345.36	0.13
23.00	0.12	345.36	0.12
23.50	0.11	345.36	0.11
24.00	0.11	345.35	0.11

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

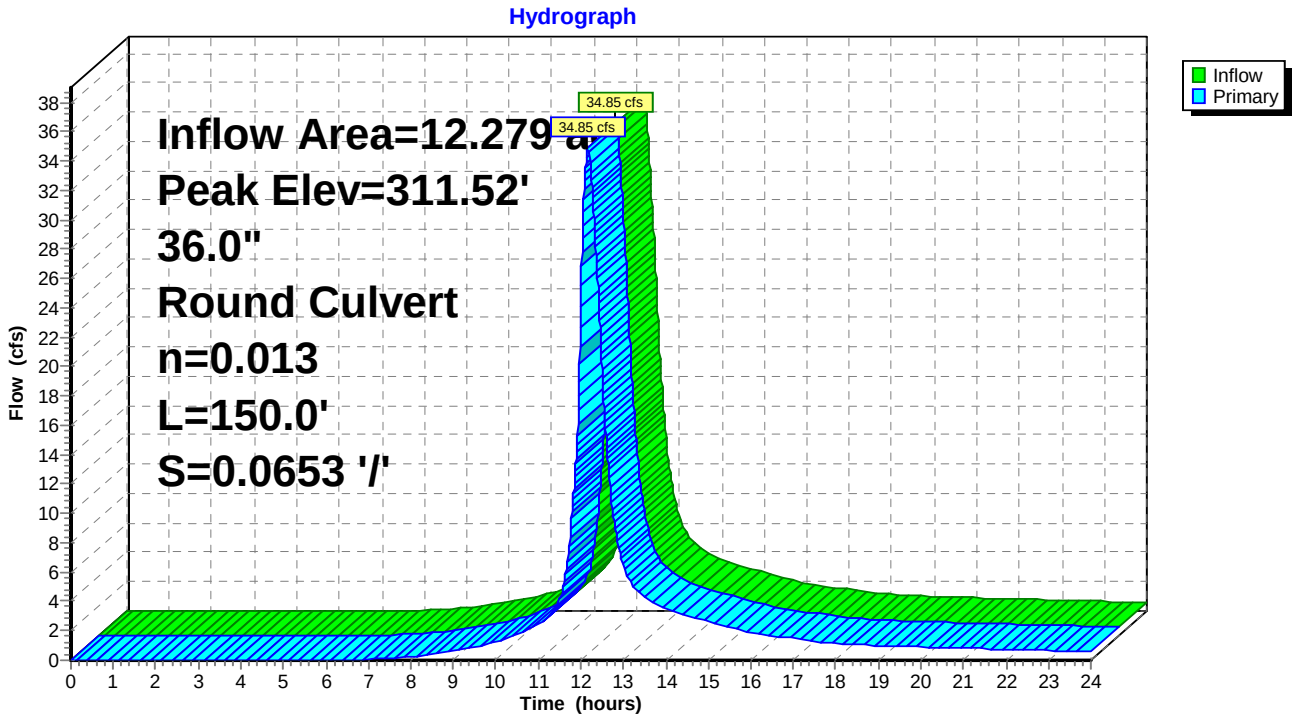
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 3.87" for 25-Year event
Inflow = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af
Outflow = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af, Atten= 0%, Lag= 0.0 min
Primary = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.52' @ 12.16 hrs
Flood Elev= 313.50'

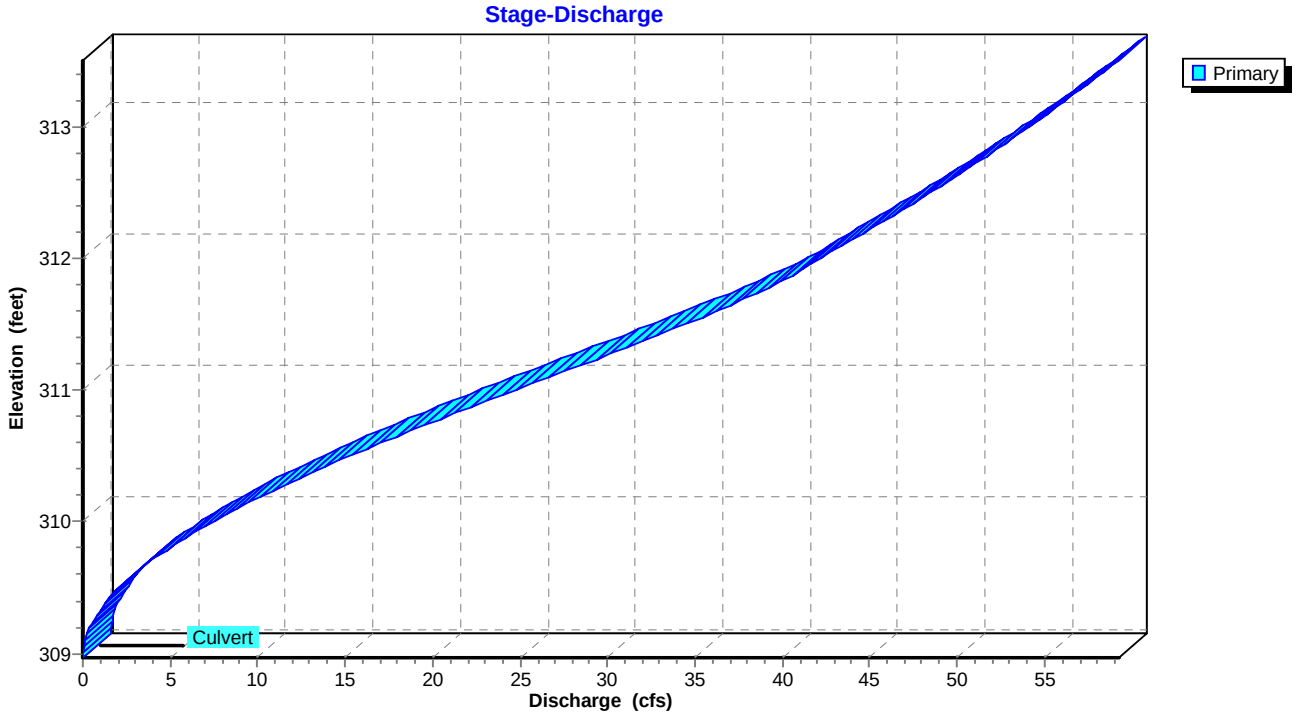
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=34.85 cfs @ 12.16 hrs HW=311.52' TW=300.80' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 34.85 cfs @ 5.44 fps)

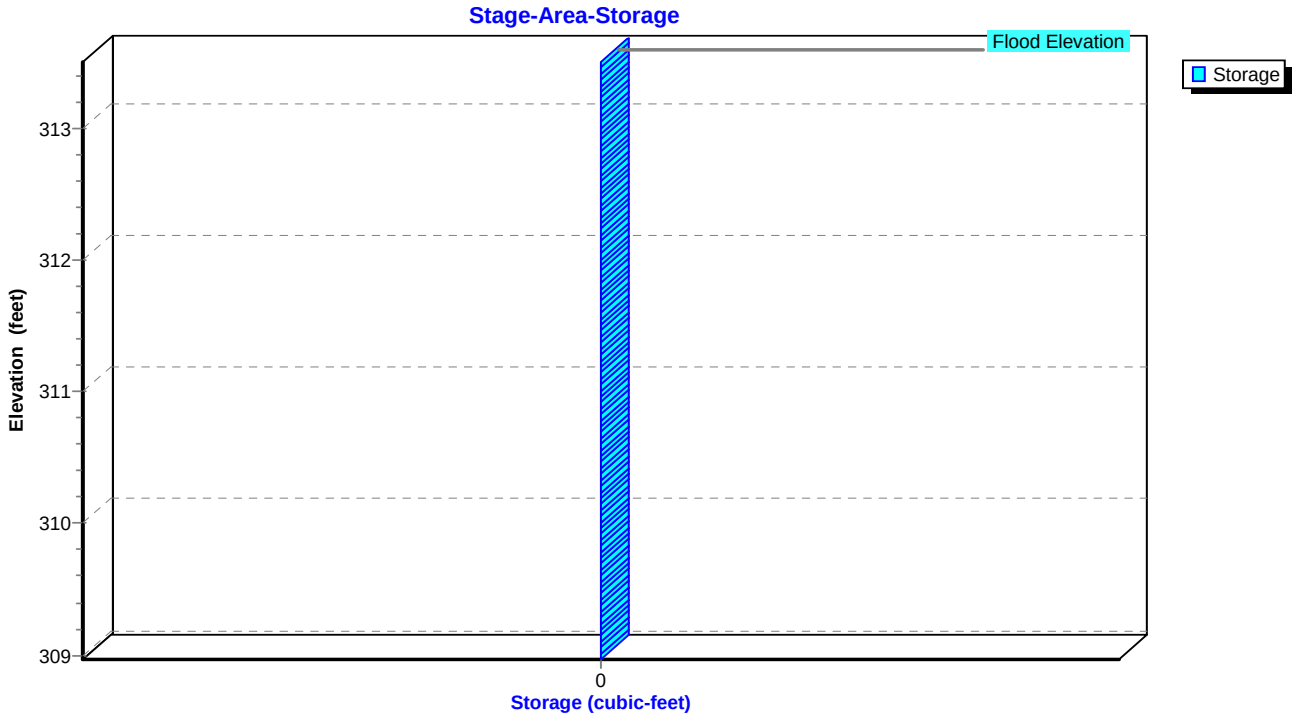
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.99	0.00
6.50	0.02	309.02	0.02
7.00	0.06	309.06	0.06
7.50	0.15	309.11	0.15
8.00	0.26	309.15	0.26
8.50	0.41	309.20	0.41
9.00	0.64	309.26	0.64
9.50	0.93	309.32	0.93
10.00	1.26	309.38	1.26
10.50	1.77	309.46	1.77
11.00	2.46	309.55	2.46
11.50	4.11	309.72	4.11
12.00	**24.09**	**310.97**	**24.09**
12.50	**19.80**	**310.75**	**19.80**
13.00	6.50	309.93	6.50
13.50	4.34	309.75	4.34
14.00	3.53	309.67	3.53
14.50	3.00	309.61	3.00
15.00	2.63	309.57	2.63
15.50	2.26	309.52	2.26
16.00	1.89	309.47	1.89
16.50	1.64	309.44	1.64
17.00	1.47	309.41	1.47
17.50	1.31	309.39	1.31
18.00	1.14	309.36	1.14
18.50	1.04	309.34	1.04
19.00	0.99	309.33	0.99
19.50	0.94	309.32	0.94
20.00	0.89	309.31	0.89
20.50	0.85	309.31	0.85
21.00	0.82	309.30	0.82
21.50	0.78	309.29	0.78
22.00	0.74	309.28	0.74
22.50	0.70	309.27	0.70
23.00	0.67	309.27	0.67
23.50	0.63	309.26	0.63
24.00	0.59	309.25	0.59

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

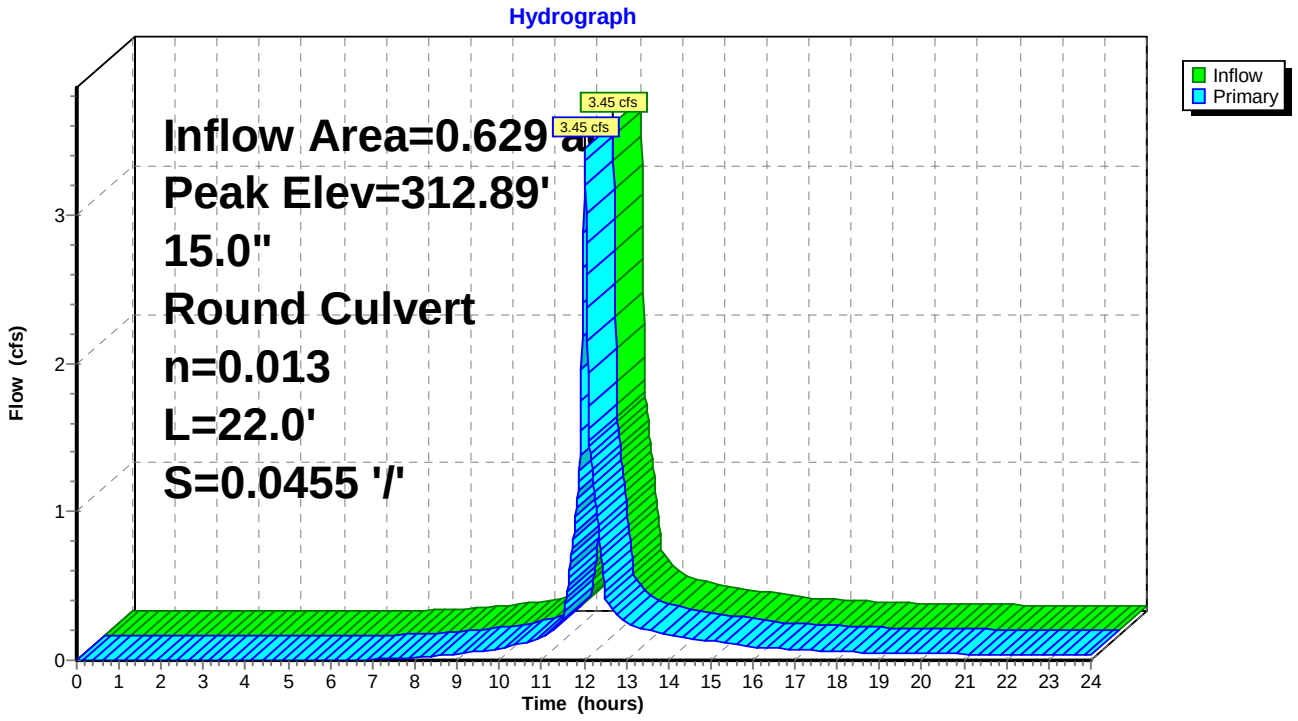
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.99" for 25-Year event
Inflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.89' @ 12.02 hrs
Flood Elev= 314.50'

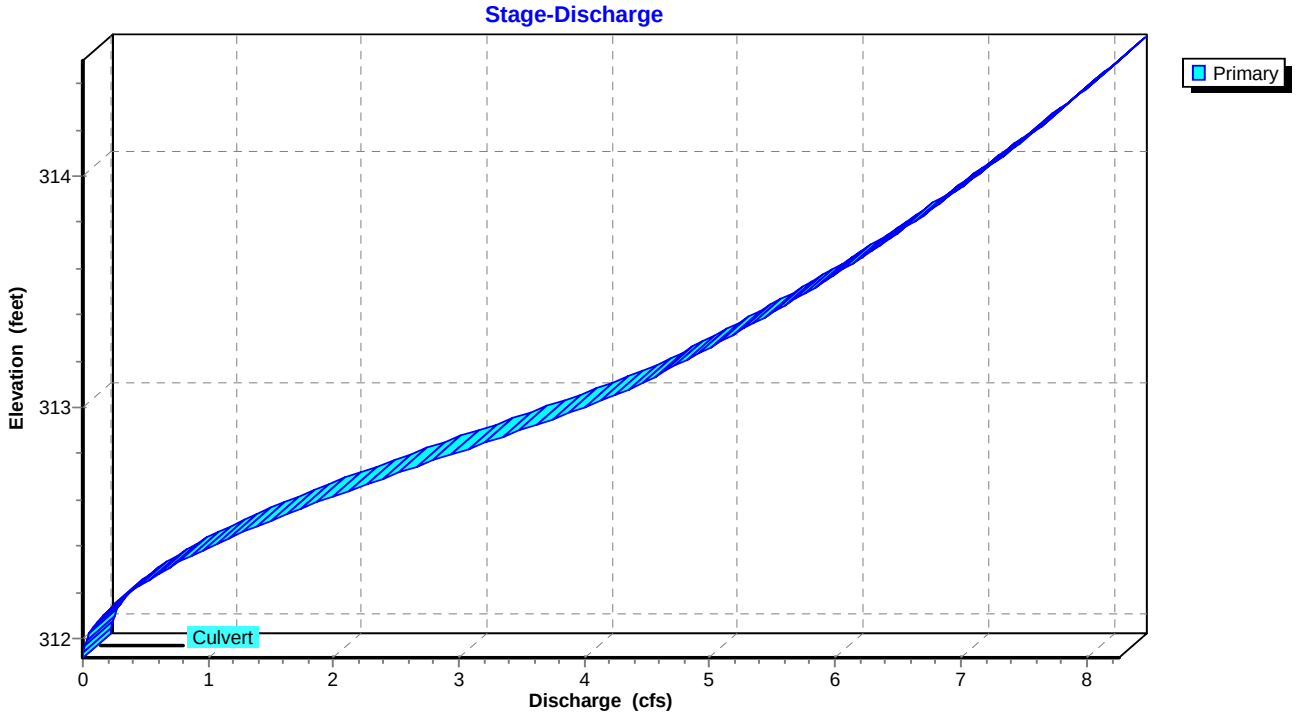
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.45 cfs @ 12.02 hrs HW=312.89' TW=311.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.45 cfs @ 3.36 fps)

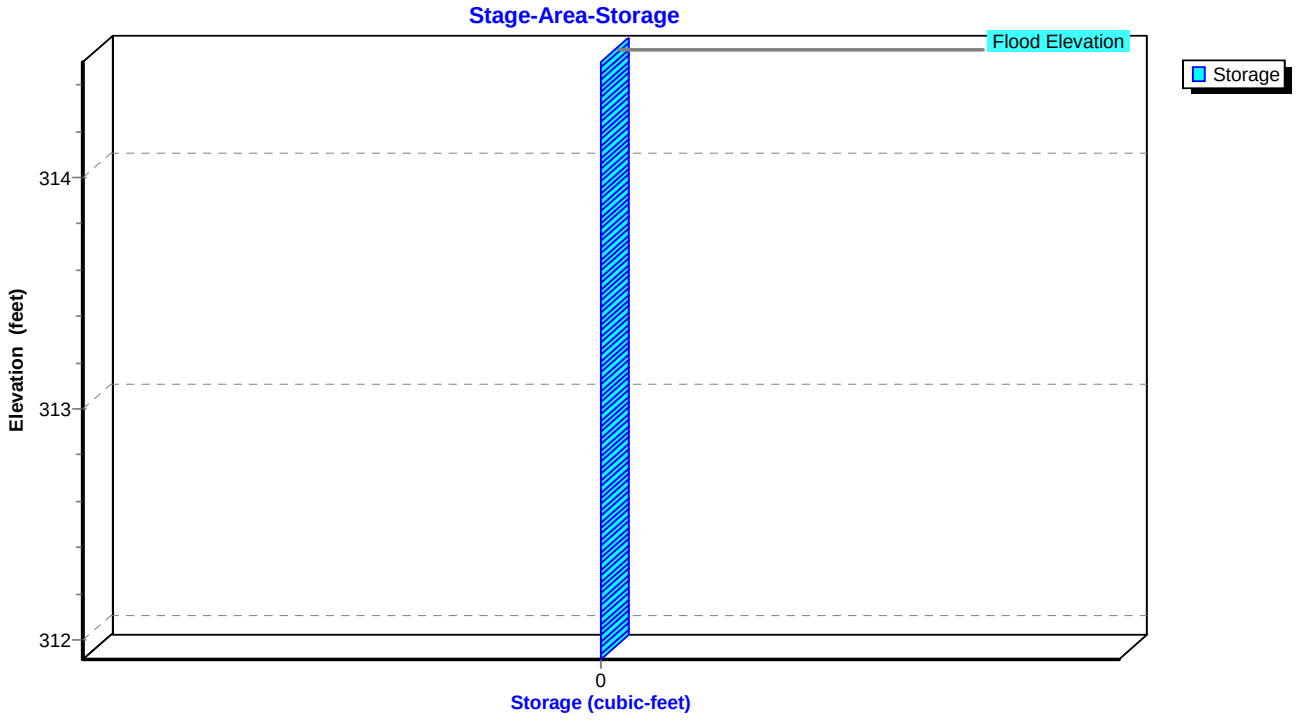
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.94	0.00
7.00	0.01	311.96	0.01
7.50	0.01	311.97	0.01
8.00	0.02	311.98	0.02
8.50	0.03	312.00	0.03
9.00	0.04	312.01	0.04
9.50	0.06	312.03	0.06
10.00	0.08	312.05	0.08
10.50	0.11	312.07	0.11
11.00	0.15	312.10	0.15
11.50	0.27	312.16	0.27
12.00	**3.13**	**312.83**	**3.13**
12.50	**0.45**	**312.23**	**0.45**
13.00	0.25	312.15	0.25
13.50	0.21	312.13	0.21
14.00	0.17	312.11	0.17
14.50	0.15	312.09	0.15
15.00	0.13	312.08	0.13
15.50	0.11	312.07	0.11
16.00	0.09	312.06	0.09
16.50	0.08	312.05	0.08
17.00	0.07	312.04	0.07
17.50	0.06	312.03	0.06
18.00	0.06	312.03	0.06
18.50	0.05	312.02	0.05
19.00	0.05	312.02	0.05
19.50	0.05	312.02	0.05
20.00	0.05	312.02	0.05
20.50	0.04	312.01	0.04
21.00	0.04	312.01	0.04
21.50	0.04	312.01	0.04
22.00	0.04	312.01	0.04
22.50	0.04	312.00	0.04
23.00	0.03	312.00	0.03
23.50	0.03	312.00	0.03
24.00	0.03	312.00	0.03

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

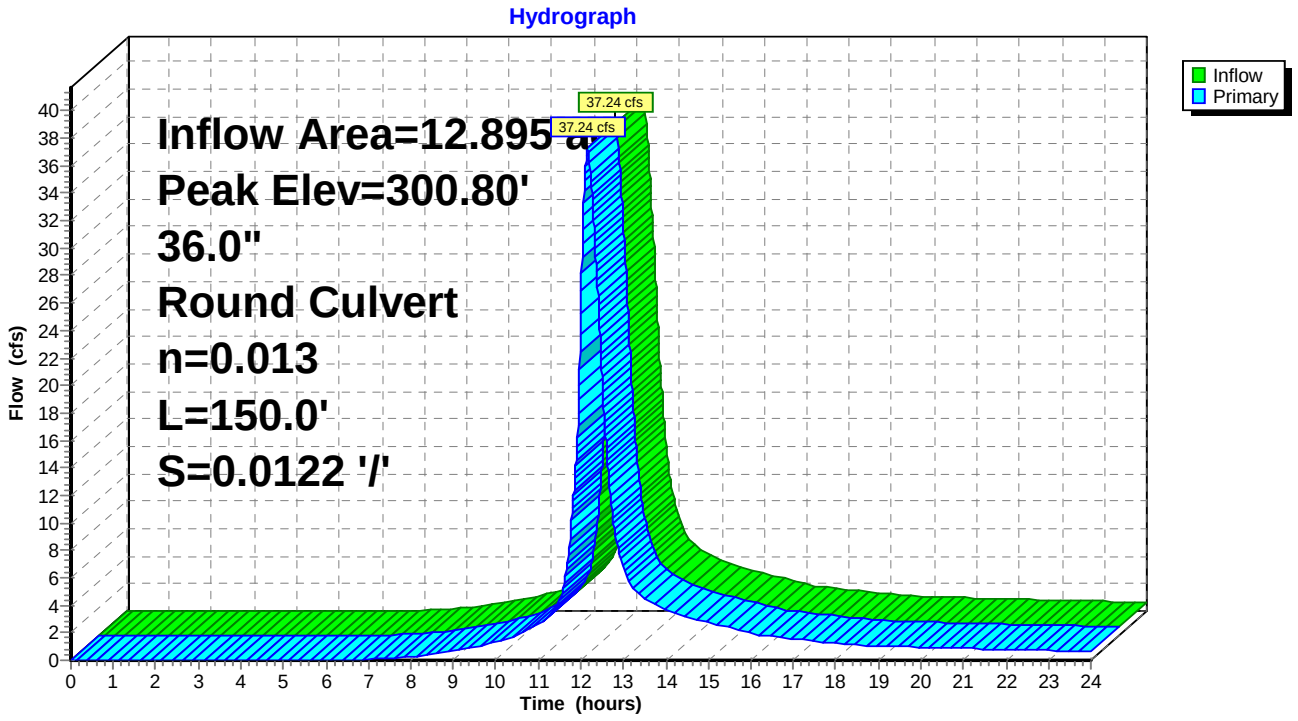
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 3.87" for 25-Year event
Inflow = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af
Outflow = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af, Atten= 0%, Lag= 0.0 min
Primary = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.80' @ 12.16 hrs
Flood Elev= 303.50'

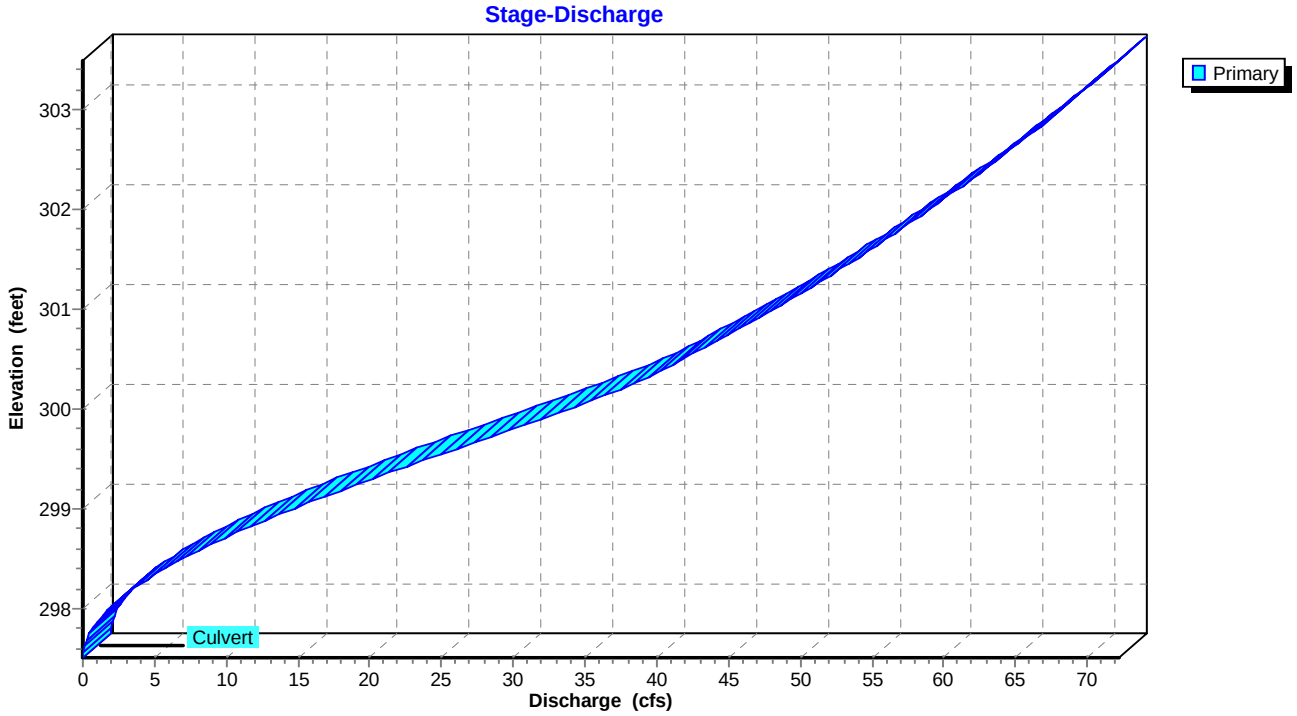
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=37.36 cfs @ 12.16 hrs HW=300.80' TW=299.50' (Dynamic Tailwater)
1=Culvert (Outlet Controls 37.36 cfs @ 5.99 fps)

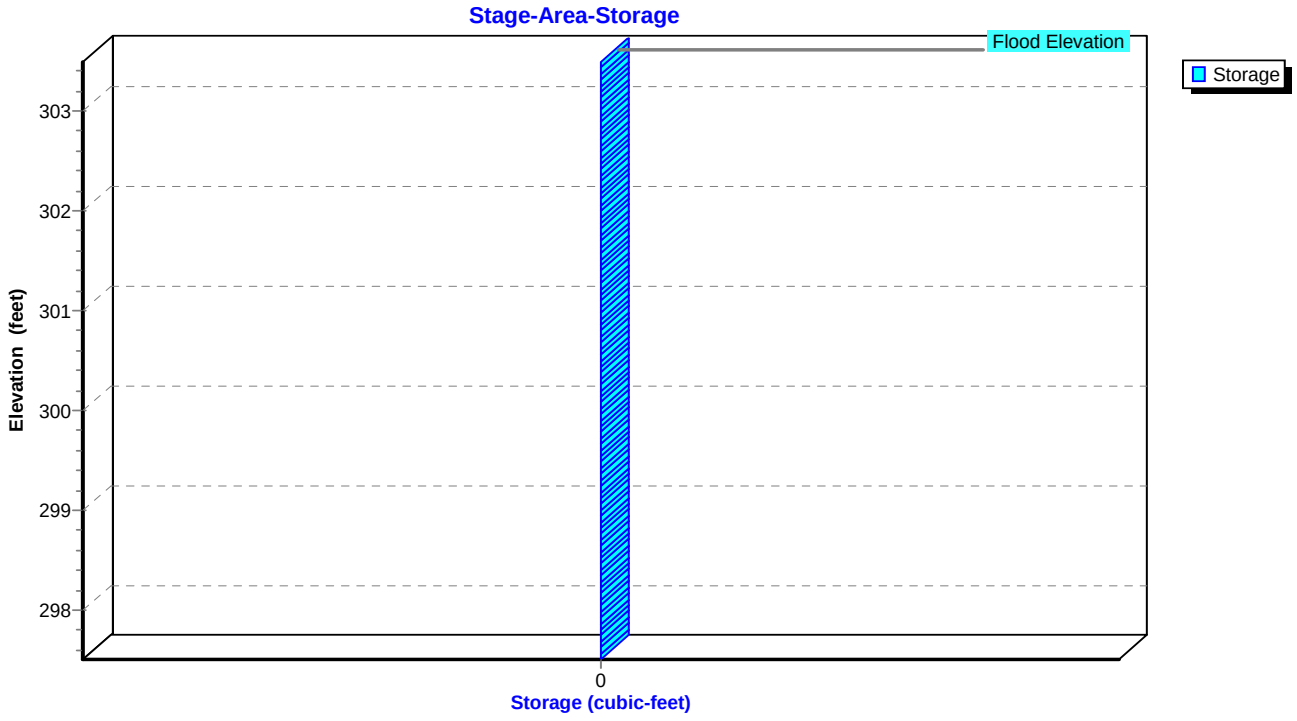
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.52	0.00
6.50	0.02	297.56	0.02
7.00	0.07	297.61	0.07
7.50	0.15	297.66	0.15
8.00	0.27	297.71	0.27
8.50	0.44	297.76	0.44
9.00	0.67	297.82	0.67
9.50	0.97	297.89	0.97
10.00	1.33	297.95	1.33
10.50	1.86	298.04	1.86
11.00	2.59	298.14	2.59
11.50	4.34	298.34	4.34
12.00	**25.29**	**299.87**	**25.29**
12.50	**20.61**	**299.60**	**20.61**
13.00	6.78	298.58	6.78
13.50	4.55	298.36	4.55
14.00	3.70	298.27	3.70
14.50	3.15	298.21	3.15
15.00	2.76	298.16	2.76
15.50	2.37	298.11	2.37
16.00	1.98	298.05	1.98
16.50	1.72	298.01	1.72
17.00	1.54	297.99	1.54
17.50	1.37	297.96	1.37
18.00	1.20	297.93	1.20
18.50	1.10	297.91	1.10
19.00	1.04	297.90	1.04
19.50	0.99	297.89	0.99
20.00	0.94	297.88	0.94
20.50	0.90	297.87	0.90
21.00	0.86	297.86	0.86
21.50	0.82	297.85	0.82
22.00	0.78	297.84	0.78
22.50	0.74	297.84	0.74
23.00	0.70	297.83	0.70
23.50	0.66	297.82	0.66
24.00	0.62	297.81	0.62

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

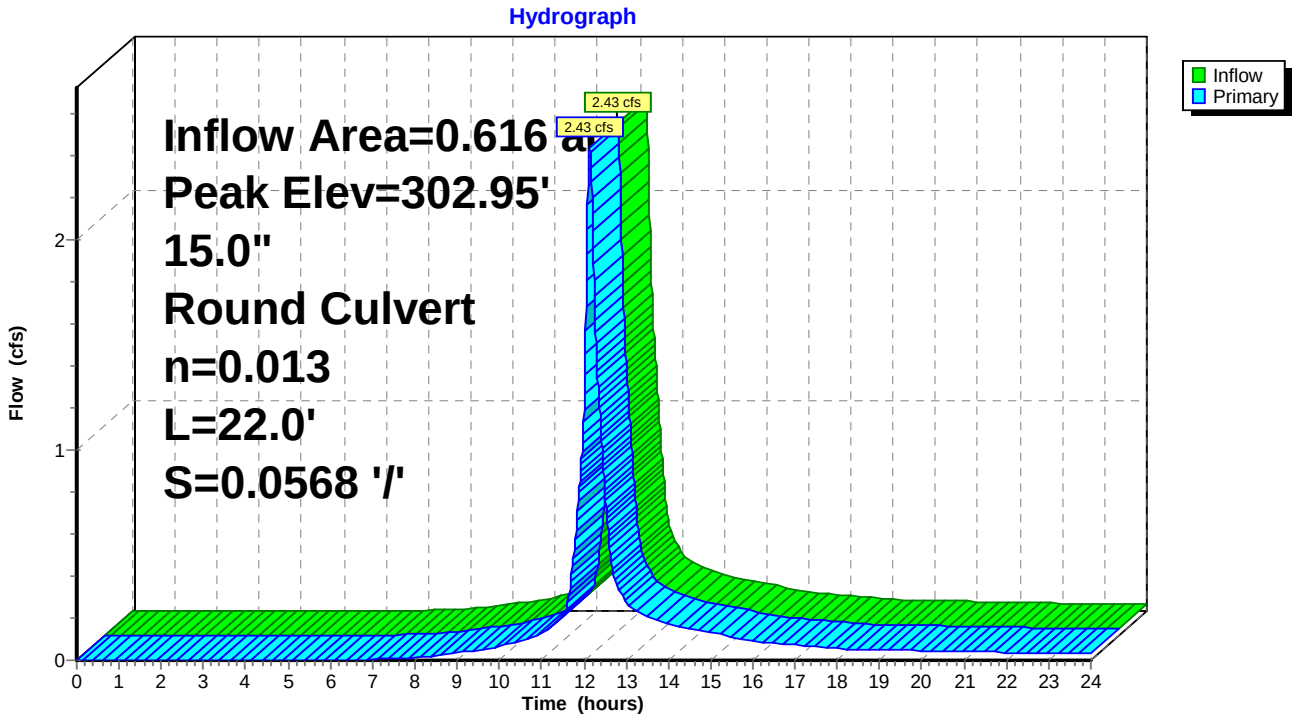
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af
Outflow = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af, Atten= 0%, Lag= 0.0 min
Primary = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.95' @ 12.14 hrs
Flood Elev= 304.80'

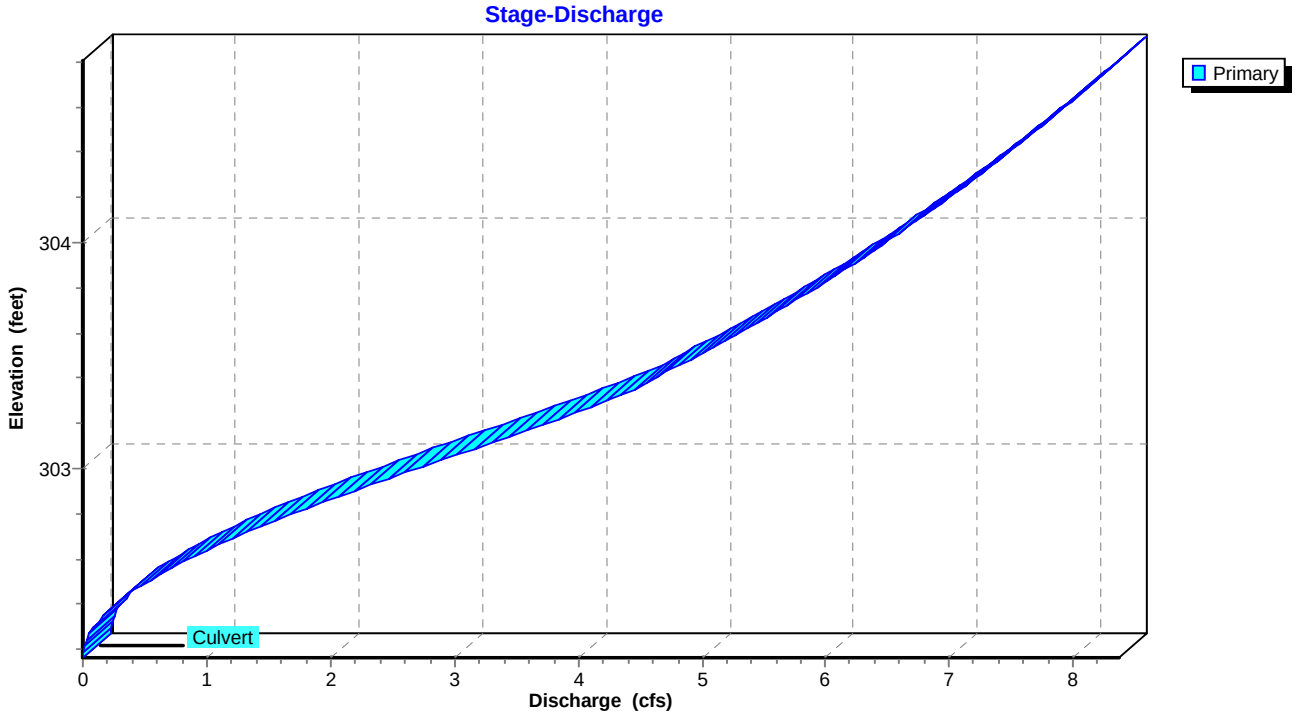
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.43 cfs @ 12.14 hrs HW=302.95' TW=300.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.43 cfs @ 3.01 fps)

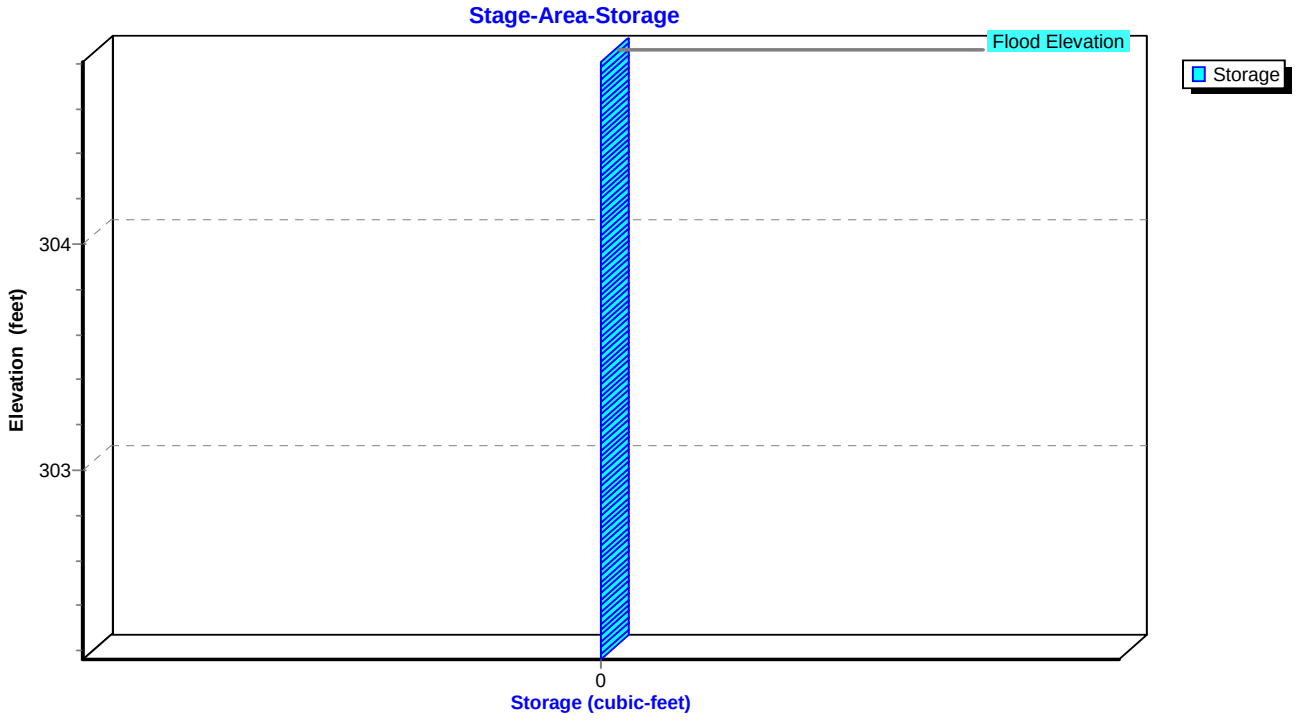
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.20	0.00
7.50	0.01	302.21	0.01
8.00	0.01	302.22	0.01
8.50	0.02	302.24	0.02
9.00	0.03	302.25	0.03
9.50	0.05	302.27	0.05
10.00	0.07	302.29	0.07
10.50	0.09	302.31	0.09
11.00	0.13	302.33	0.13
11.50	0.22	302.38	0.22
12.00	**1.19**	**302.69**	**1.19**
12.50	**0.81**	**302.59**	**0.81**
13.00	0.28	302.41	0.28
13.50	0.21	302.38	0.21
14.00	0.17	302.36	0.17
14.50	0.15	302.34	0.15
15.00	0.13	302.33	0.13
15.50	0.11	302.32	0.11
16.00	0.09	302.31	0.09
16.50	0.08	302.30	0.08
17.00	0.07	302.29	0.07
17.50	0.06	302.28	0.06
18.00	0.06	302.28	0.06
18.50	0.05	302.27	0.05
19.00	0.05	302.27	0.05
19.50	0.05	302.27	0.05
20.00	0.04	302.26	0.04
20.50	0.04	302.26	0.04
21.00	0.04	302.26	0.04
21.50	0.04	302.26	0.04
22.00	0.04	302.26	0.04
22.50	0.04	302.25	0.04
23.00	0.03	302.25	0.03
23.50	0.03	302.25	0.03
24.00	0.03	302.25	0.03

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

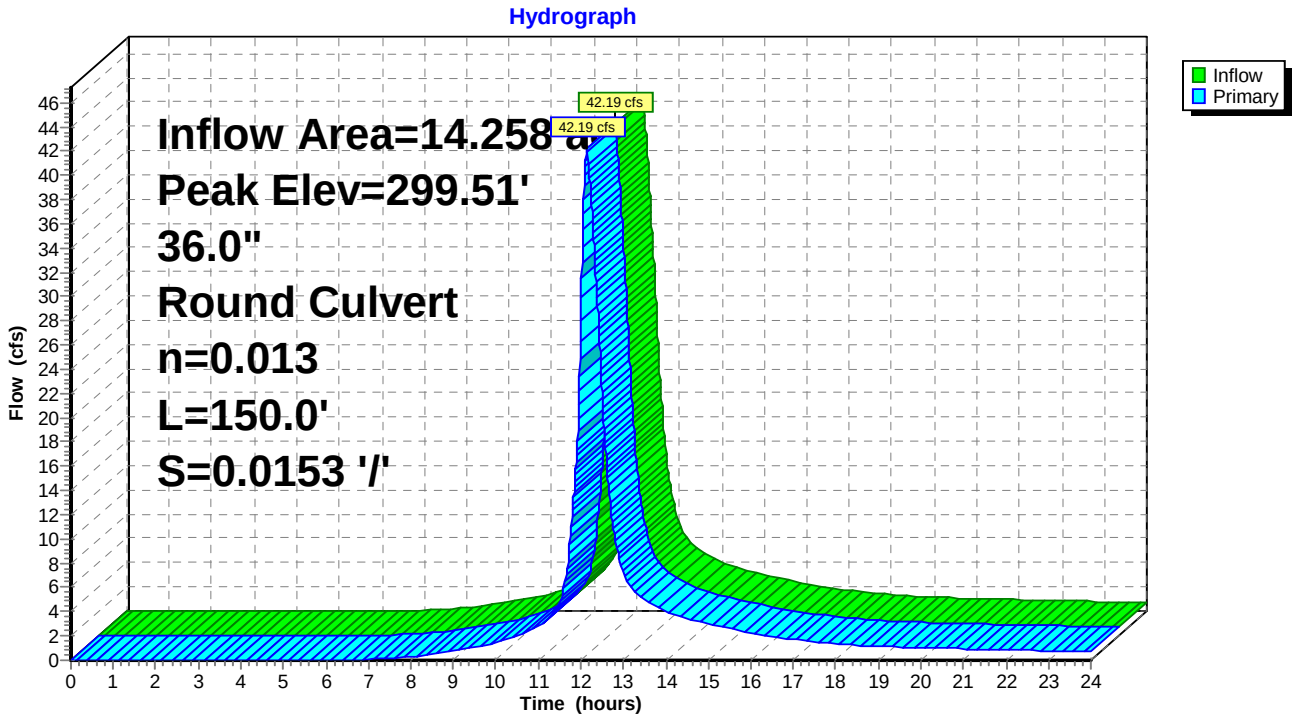
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 3.84" for 25-Year event
Inflow = 42.19 cfs @ 12.14 hrs, Volume= 4.561 af
Outflow = 42.19 cfs @ 12.14 hrs, Volume= 4.561 af, Atten= 0%, Lag= 0.0 min
Primary = 42.19 cfs @ 12.14 hrs, Volume= 4.561 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.51' @ 12.14 hrs
Flood Elev= 301.00'

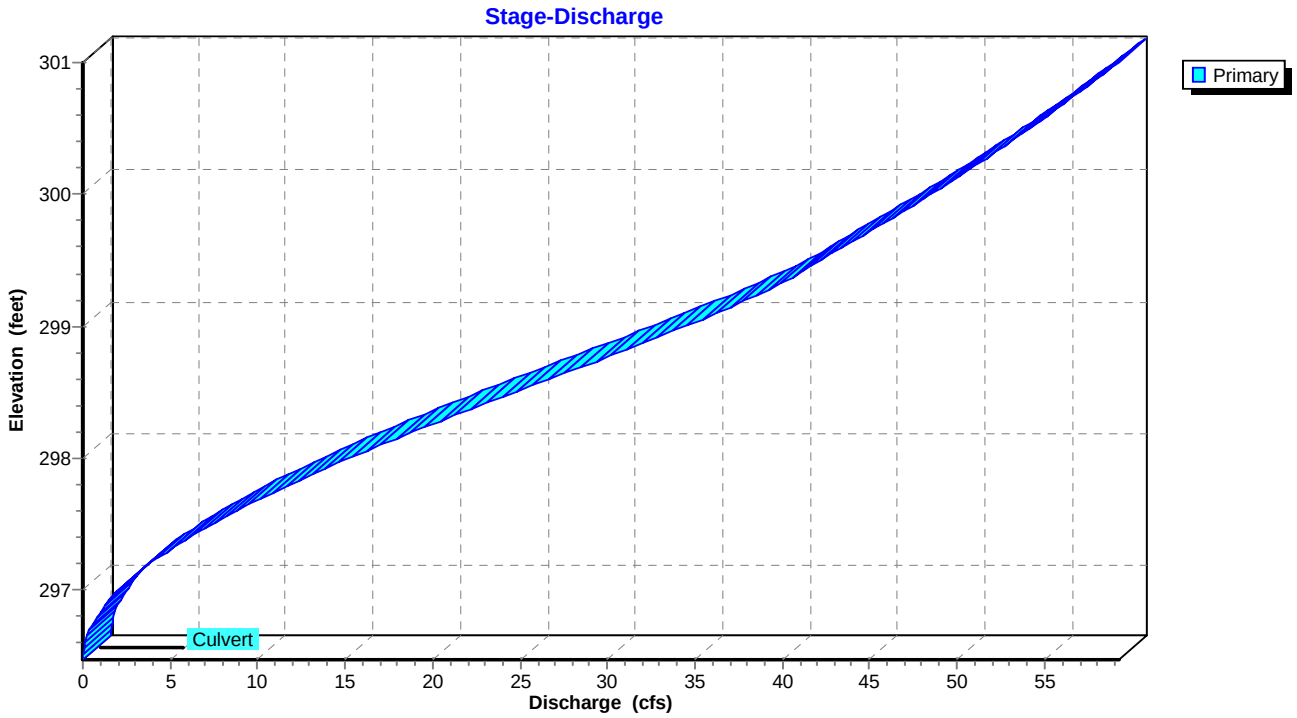
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=42.17 cfs @ 12.14 hrs HW=299.50' TW=296.49' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 42.17 cfs @ 5.97 fps)

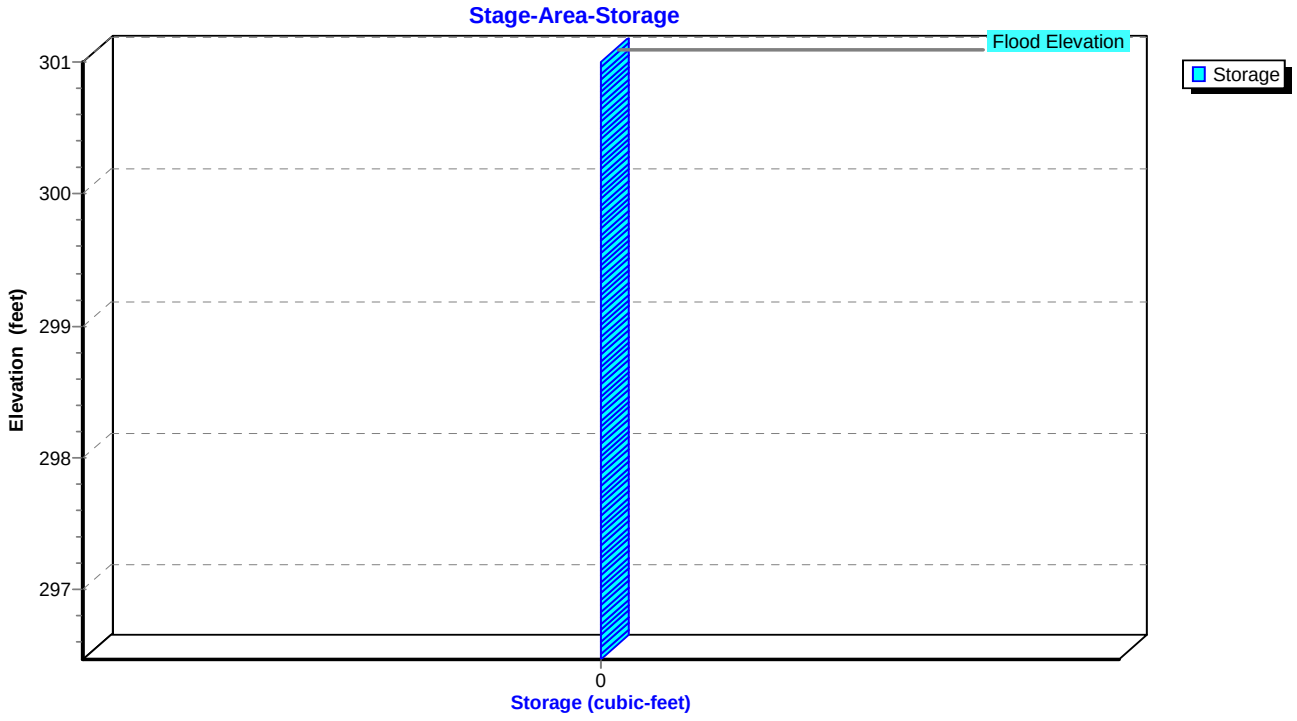
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.00	296.47	0.00
6.00	0.00	296.49	0.00
6.50	0.02	296.52	0.02
7.00	0.07	296.56	0.07
7.50	0.16	296.61	0.16
8.00	0.28	296.66	0.28
8.50	0.47	296.72	0.47
9.00	0.73	296.78	0.73
9.50	1.05	296.84	1.05
10.00	1.44	296.91	1.44
10.50	2.03	296.99	2.03
11.00	2.83	297.09	2.83
11.50	4.77	297.28	4.77
12.00	**28.06**	**298.67**	**28.06**
12.50	**22.11**	**298.37**	**22.11**
13.00	7.35	297.50	7.35
13.50	4.99	297.30	4.99
14.00	4.06	297.22	4.06
14.50	3.46	297.16	3.46
15.00	3.04	297.11	3.04
15.50	2.61	297.06	2.61
16.00	2.18	297.01	2.18
16.50	1.89	296.97	1.89
17.00	1.70	296.95	1.70
17.50	1.51	296.92	1.51
18.00	1.32	296.89	1.32
18.50	1.21	296.87	1.21
19.00	1.15	296.86	1.15
19.50	1.09	296.85	1.09
20.00	1.03	296.84	1.03
20.50	0.99	296.83	0.99
21.00	0.94	296.82	0.94
21.50	0.90	296.81	0.90
22.00	0.86	296.81	0.86
22.50	0.81	296.80	0.81
23.00	0.77	296.79	0.77
23.50	0.73	296.78	0.73
24.00	0.68	296.77	0.68

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

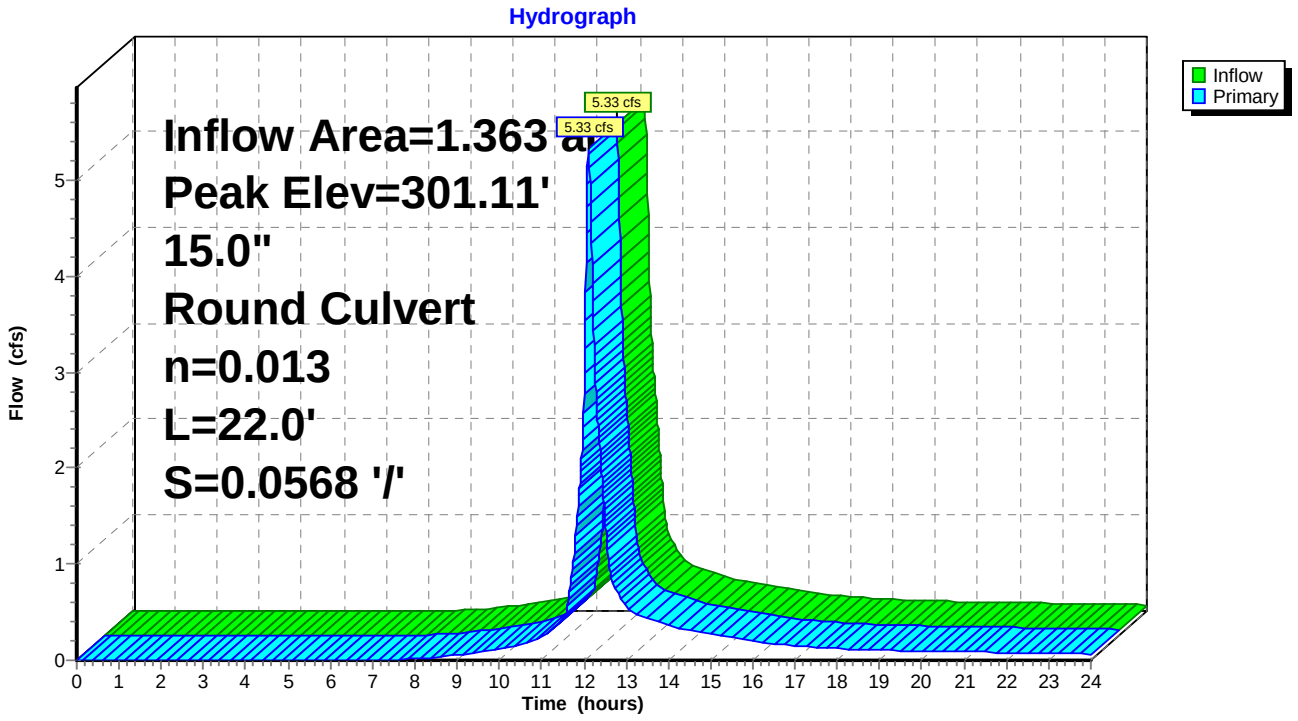
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 3.57" for 25-Year event
Inflow = 5.33 cfs @ 12.11 hrs, Volume= 0.406 af
Outflow = 5.33 cfs @ 12.11 hrs, Volume= 0.406 af, Atten= 0%, Lag= 0.0 min
Primary = 5.33 cfs @ 12.11 hrs, Volume= 0.406 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.11' @ 12.11 hrs
Flood Elev= 302.30'

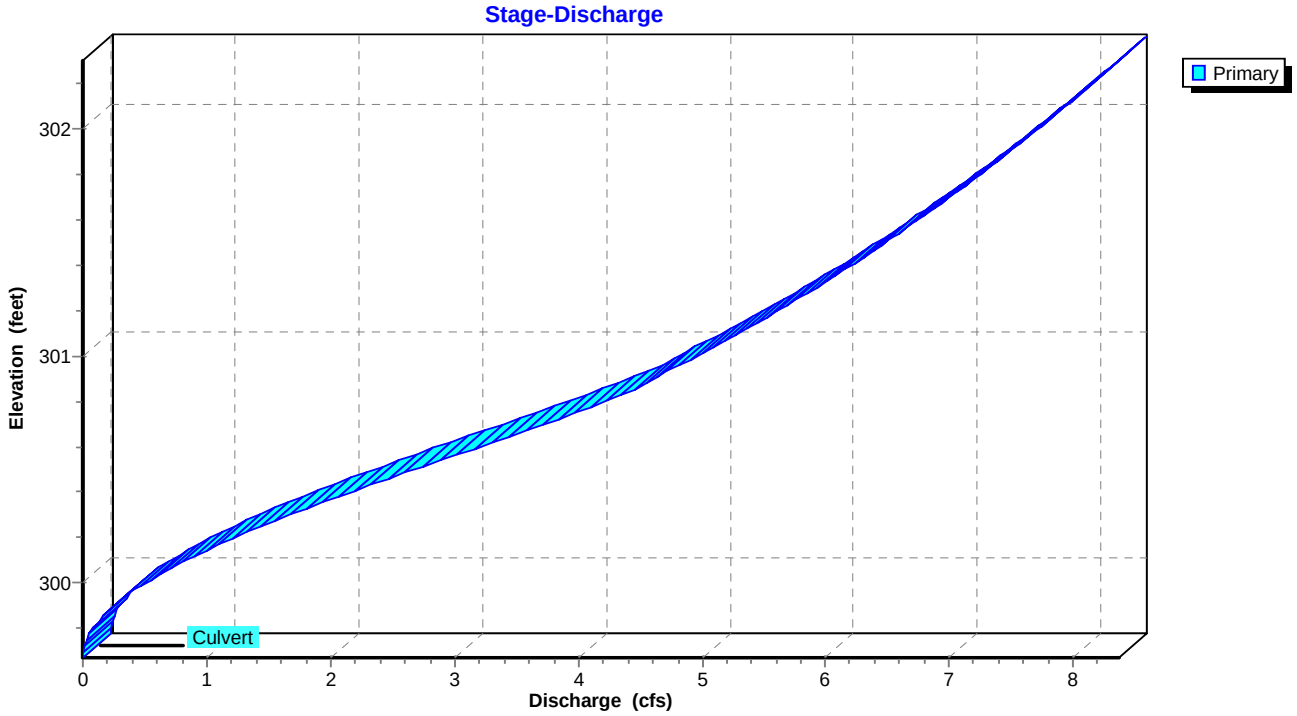
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.32 cfs @ 12.11 hrs HW=301.11' TW=299.44' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.32 cfs @ 4.34 fps)

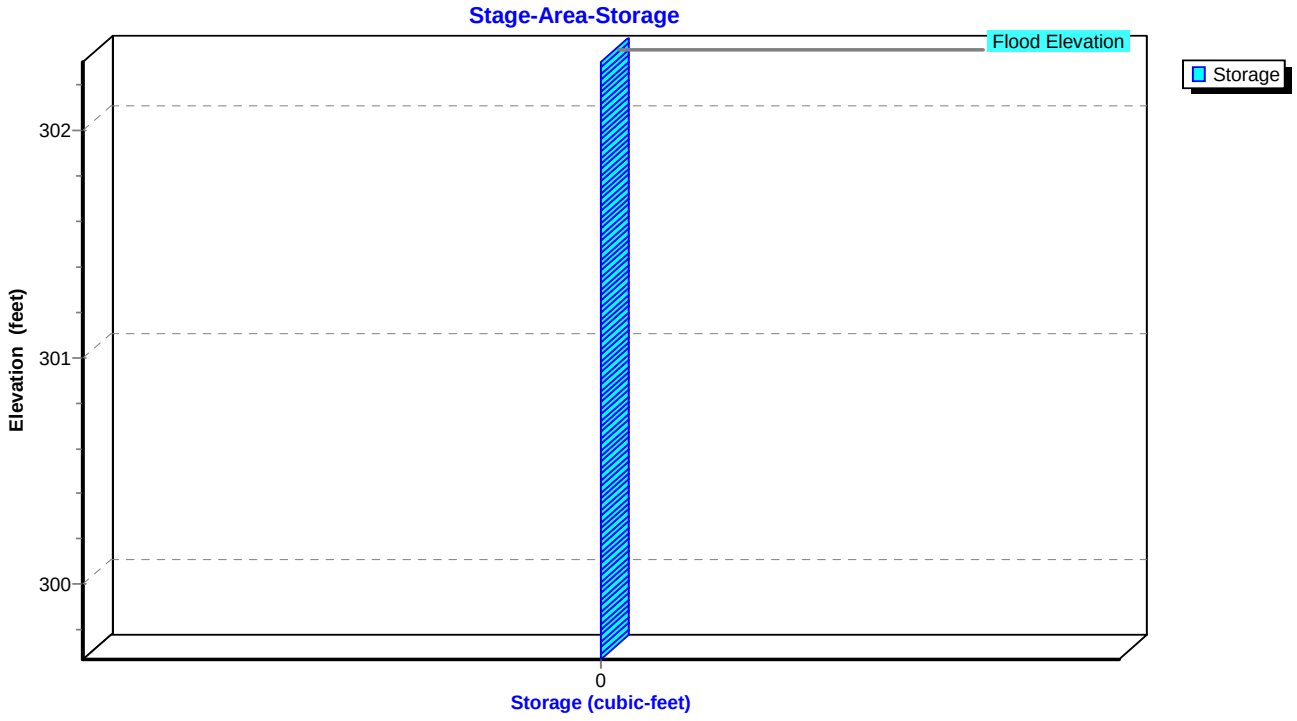
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.00	299.67	0.00
7.50	0.00	299.70	0.00
8.00	0.01	299.72	0.01
8.50	0.03	299.75	0.03
9.00	0.05	299.77	0.05
9.50	0.08	299.80	0.08
10.00	0.12	299.82	0.12
10.50	0.17	299.86	0.17
11.00	0.24	299.90	0.24
11.50	0.44	299.98	0.44
12.00	**2.77**	**300.52**	**2.77**
12.50	**1.50**	**300.26**	**1.50**
13.00	0.57	300.02	0.57
13.50	0.44	299.98	0.44
14.00	0.36	299.95	0.36
14.50	0.31	299.93	0.31
15.00	0.27	299.91	0.27
15.50	0.23	299.89	0.23
16.00	0.19	299.87	0.19
16.50	0.17	299.86	0.17
17.00	0.15	299.85	0.15
17.50	0.14	299.84	0.14
18.00	0.12	299.83	0.12
18.50	0.11	299.82	0.11
19.00	0.11	299.82	0.11
19.50	0.10	299.81	0.10
20.00	0.10	299.81	0.10
20.50	0.09	299.81	0.09
21.00	0.09	299.80	0.09
21.50	0.08	299.80	0.08
22.00	0.08	299.80	0.08
22.50	0.08	299.79	0.08
23.00	0.07	299.79	0.07
23.50	0.07	299.79	0.07
24.00	0.06	299.78	0.06

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

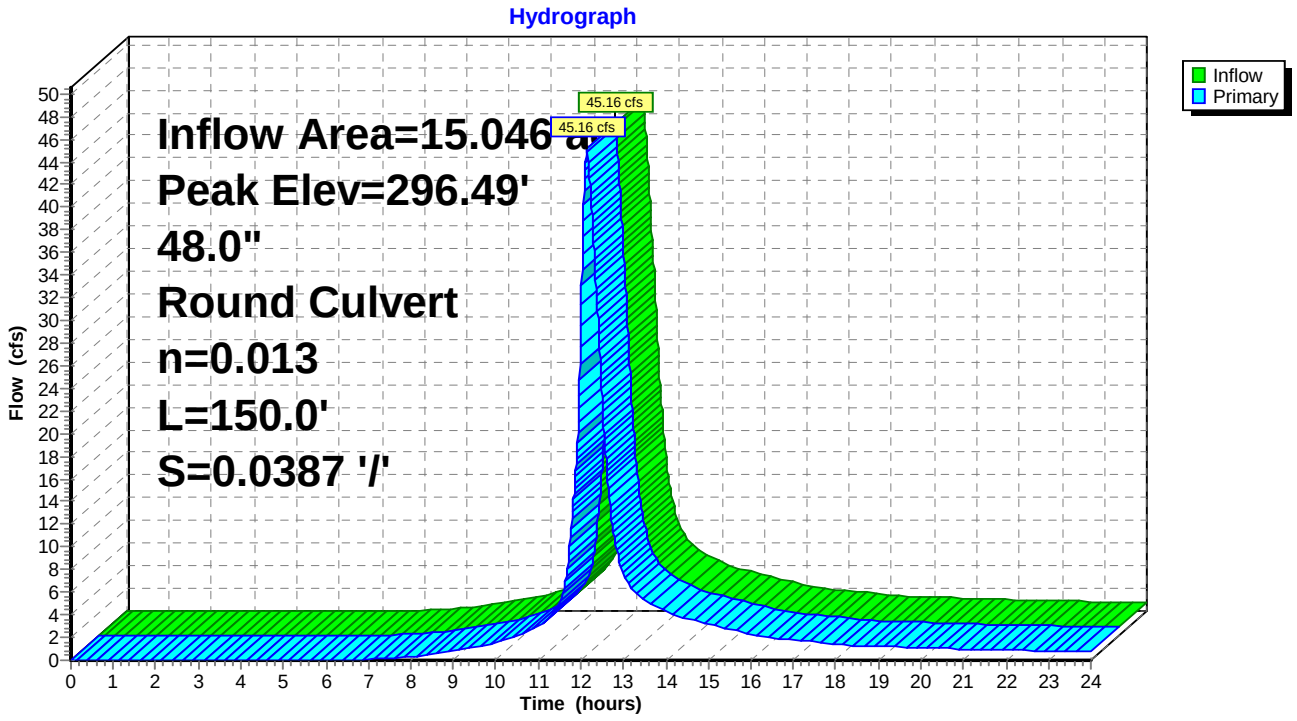
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 3.84" for 25-Year event
Inflow = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af
Outflow = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af, Atten= 0%, Lag= 0.0 min
Primary = 45.16 cfs @ 12.15 hrs, Volume= 4.816 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.49' @ 12.15 hrs
Flood Elev= 298.50'

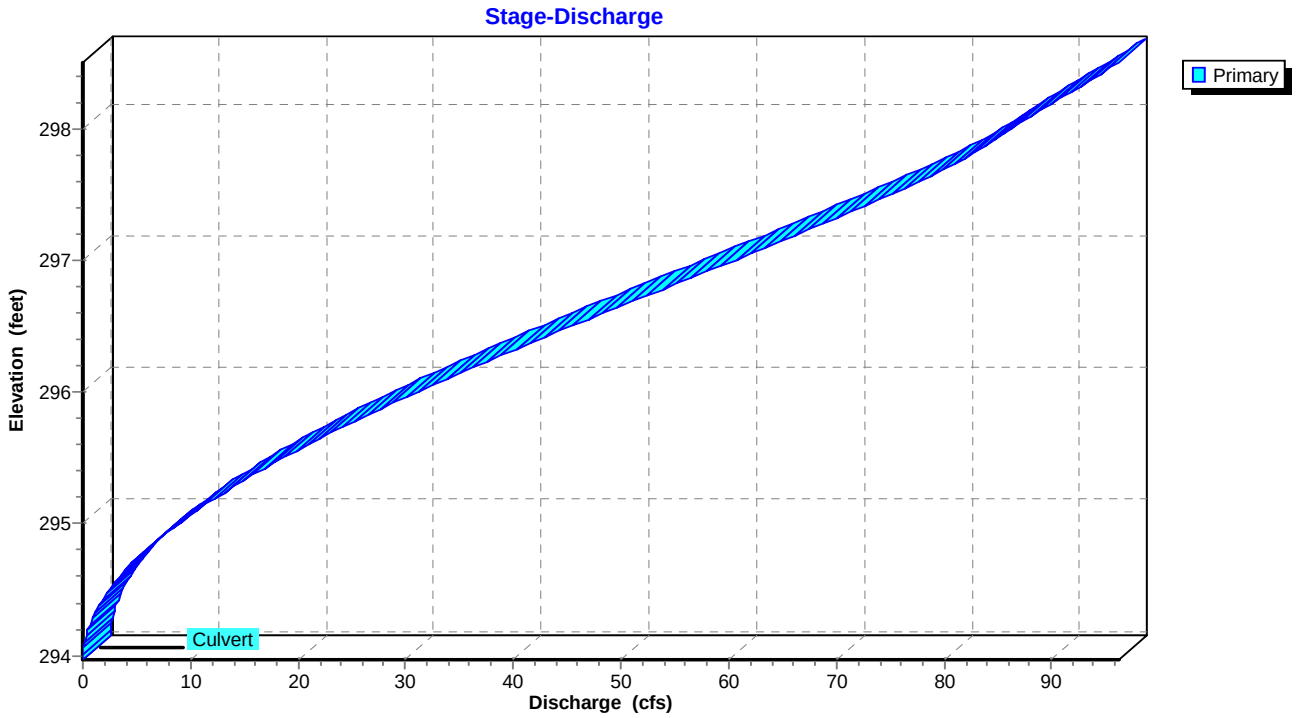
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=45.14 cfs @ 12.15 hrs HW=296.49' TW=289.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.14 cfs @ 5.41 fps)

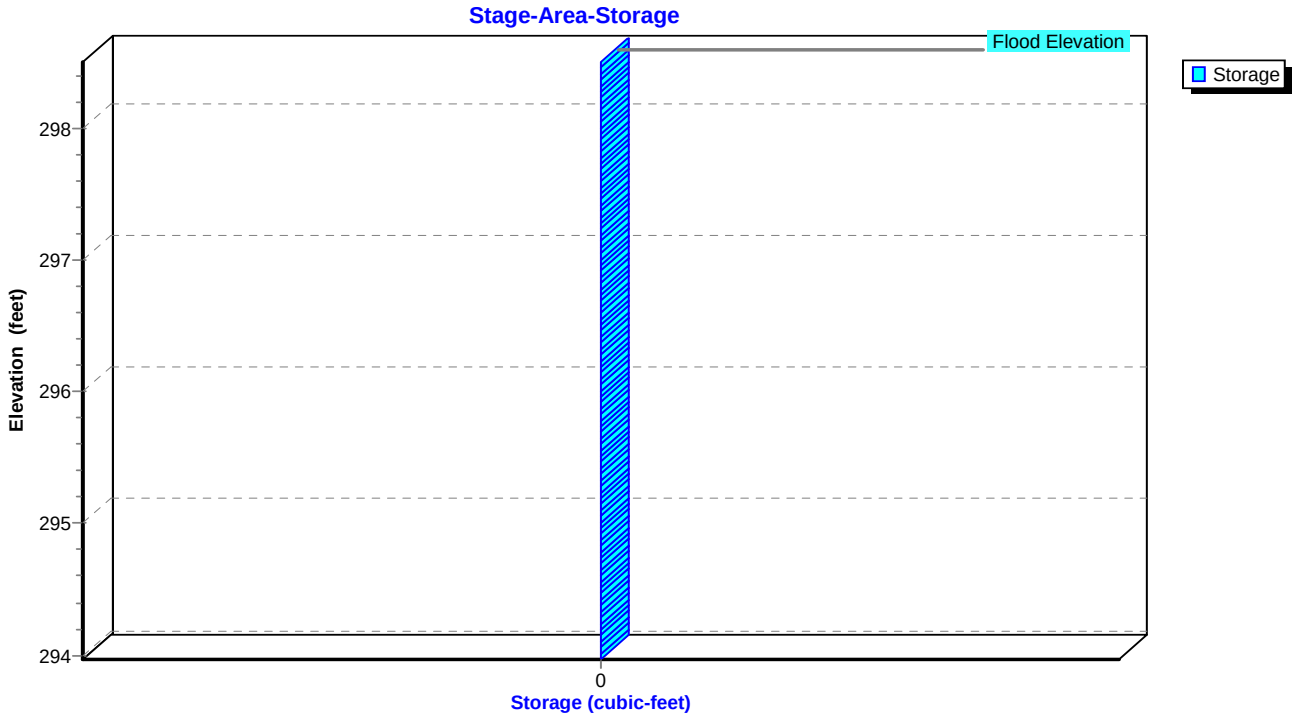
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.00	293.97	0.00
6.00	0.00	293.99	0.00
6.50	0.02	294.01	0.02
7.00	0.07	294.06	0.07
7.50	0.17	294.11	0.17
8.00	0.30	294.15	0.30
8.50	0.49	294.21	0.49
9.00	0.77	294.26	0.77
9.50	1.12	294.33	1.12
10.00	1.53	294.39	1.53
10.50	2.15	294.47	2.15
11.00	2.99	294.56	2.99
11.50	5.05	294.74	5.05
12.00	**29.47**	**295.94**	**29.47**
12.50	**23.22**	**295.70**	**23.22**
13.00	7.72	294.93	7.72
13.50	5.26	294.76	5.26
14.00	4.29	294.68	4.29
14.50	3.65	294.62	3.65
15.00	3.20	294.58	3.20
15.50	2.75	294.53	2.75
16.00	2.30	294.48	2.30
16.50	1.99	294.45	1.99
17.00	1.79	294.42	1.79
17.50	1.59	294.40	1.59
18.00	1.39	294.37	1.39
18.50	1.27	294.35	1.27
19.00	1.21	294.34	1.21
19.50	1.15	294.33	1.15
20.00	1.09	294.32	1.09
20.50	1.04	294.31	1.04
21.00	1.00	294.31	1.00
21.50	0.95	294.30	0.95
22.00	0.90	294.29	0.90
22.50	0.86	294.28	0.86
23.00	0.81	294.27	0.81
23.50	0.77	294.26	0.77
24.00	0.72	294.25	0.72

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

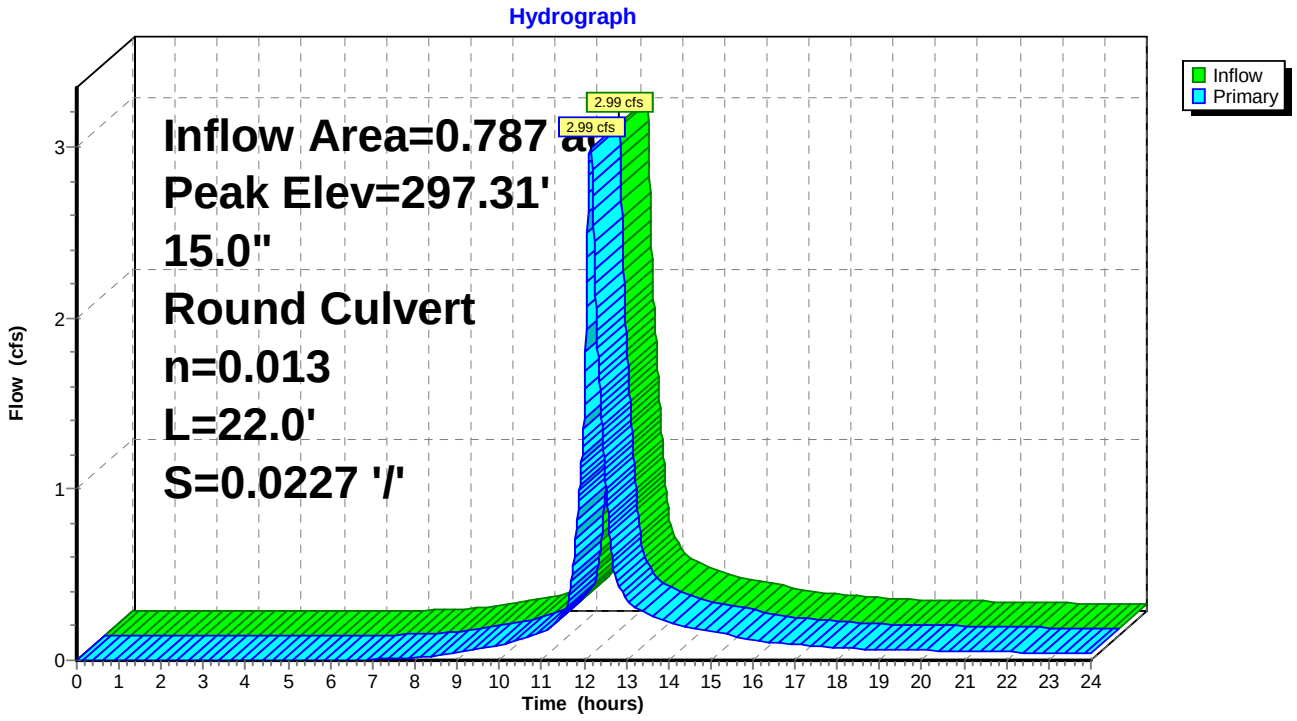
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.99 cfs @ 12.15 hrs, Volume= 0.254 af
Outflow = 2.99 cfs @ 12.15 hrs, Volume= 0.254 af, Atten= 0%, Lag= 0.0 min
Primary = 2.99 cfs @ 12.15 hrs, Volume= 0.254 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.31' @ 12.15 hrs
Flood Elev= 299.00'

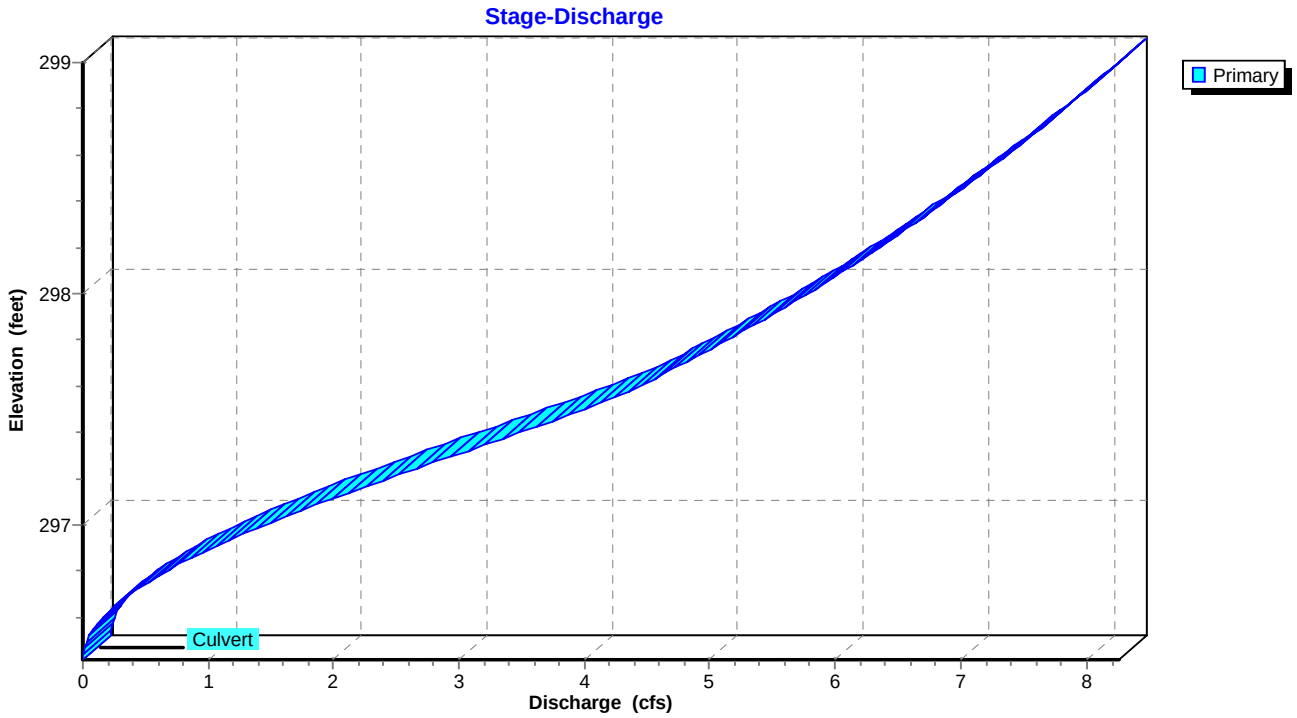
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.98 cfs @ 12.15 hrs HW=297.31' TW=296.49' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.98 cfs @ 3.21 fps)

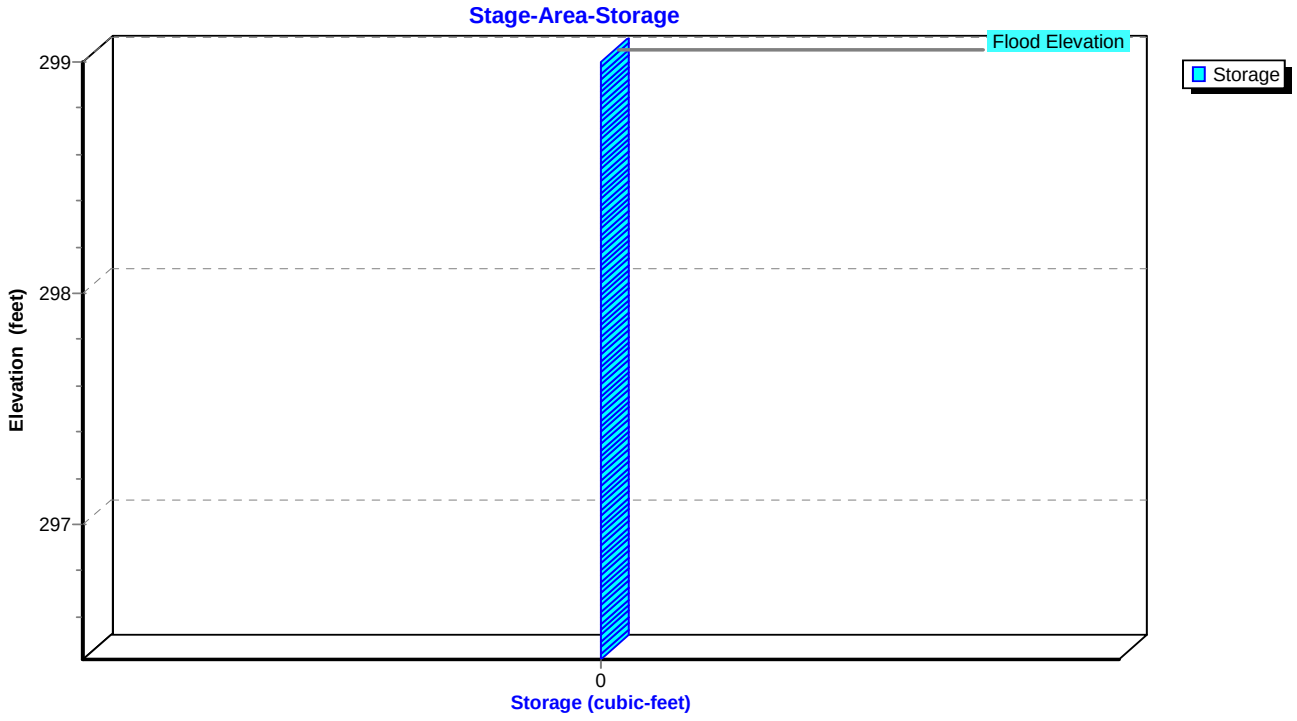
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.42	0.00
6.50	0.00	296.42	0.00
7.00	0.00	296.45	0.00
7.50	0.01	296.46	0.01
8.00	0.02	296.48	0.02
8.50	0.03	296.49	0.03
9.00	0.04	296.51	0.04
9.50	0.06	296.53	0.06
10.00	0.08	296.55	0.08
10.50	0.12	296.57	0.12
11.00	0.16	296.60	0.16
11.50	0.28	296.66	0.28
12.00	**1.42**	**296.99**	**1.42**
12.50	**1.11**	**296.92**	**1.11**
13.00	0.37	296.70	0.37
13.50	0.27	296.66	0.27
14.00	0.22	296.64	0.22
14.50	0.19	296.62	0.19
15.00	0.17	296.61	0.17
15.50	0.14	296.59	0.14
16.00	0.12	296.58	0.12
16.50	0.10	296.57	0.10
17.00	0.09	296.56	0.09
17.50	0.08	296.55	0.08
18.00	0.07	296.54	0.07
18.50	0.07	296.54	0.07
19.00	0.06	296.53	0.06
19.50	0.06	296.53	0.06
20.00	0.06	296.53	0.06
20.50	0.05	296.52	0.05
21.00	0.05	296.52	0.05
21.50	0.05	296.52	0.05
22.00	0.05	296.52	0.05
22.50	0.04	296.52	0.04
23.00	0.04	296.51	0.04
23.50	0.04	296.51	0.04
24.00	0.04	296.51	0.04

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

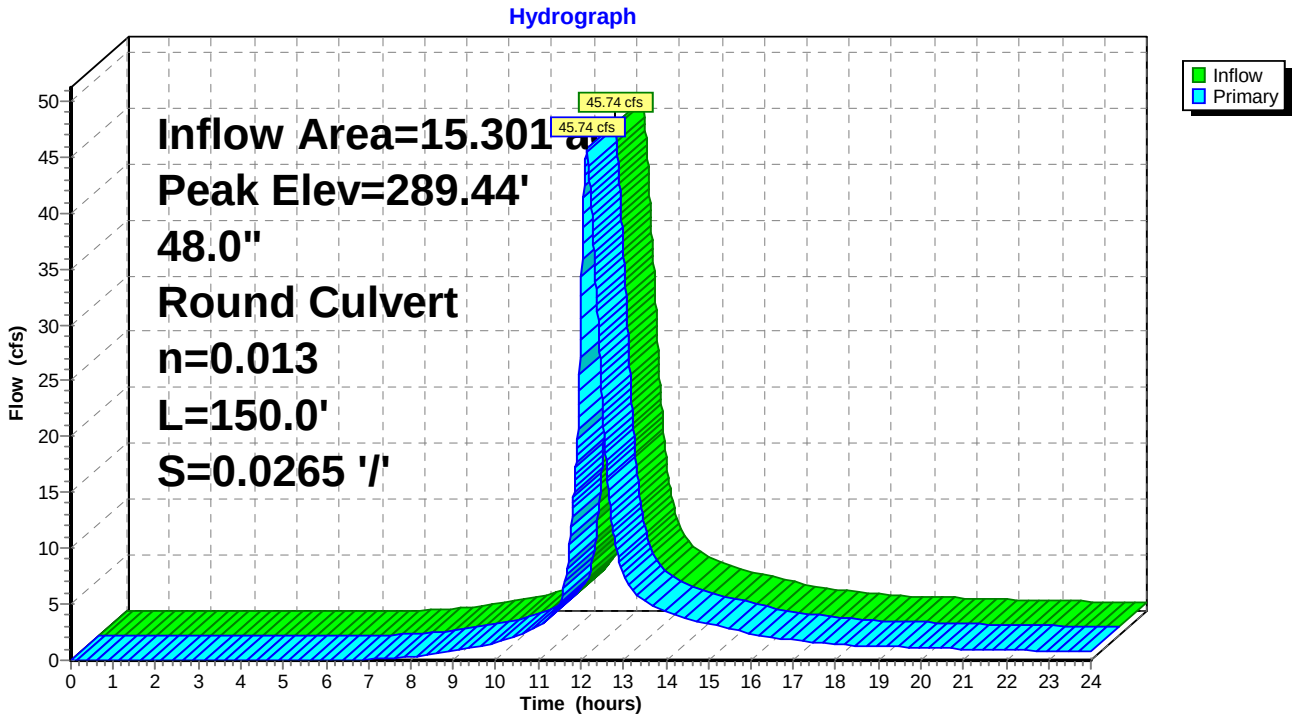
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 3.84" for 25-Year event
Inflow = 45.74 cfs @ 12.14 hrs, Volume= 4.896 af
Outflow = 45.74 cfs @ 12.14 hrs, Volume= 4.896 af, Atten= 0%, Lag= 0.0 min
Primary = 45.74 cfs @ 12.14 hrs, Volume= 4.896 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 289.44' @ 12.14 hrs
Flood Elev= 292.50'

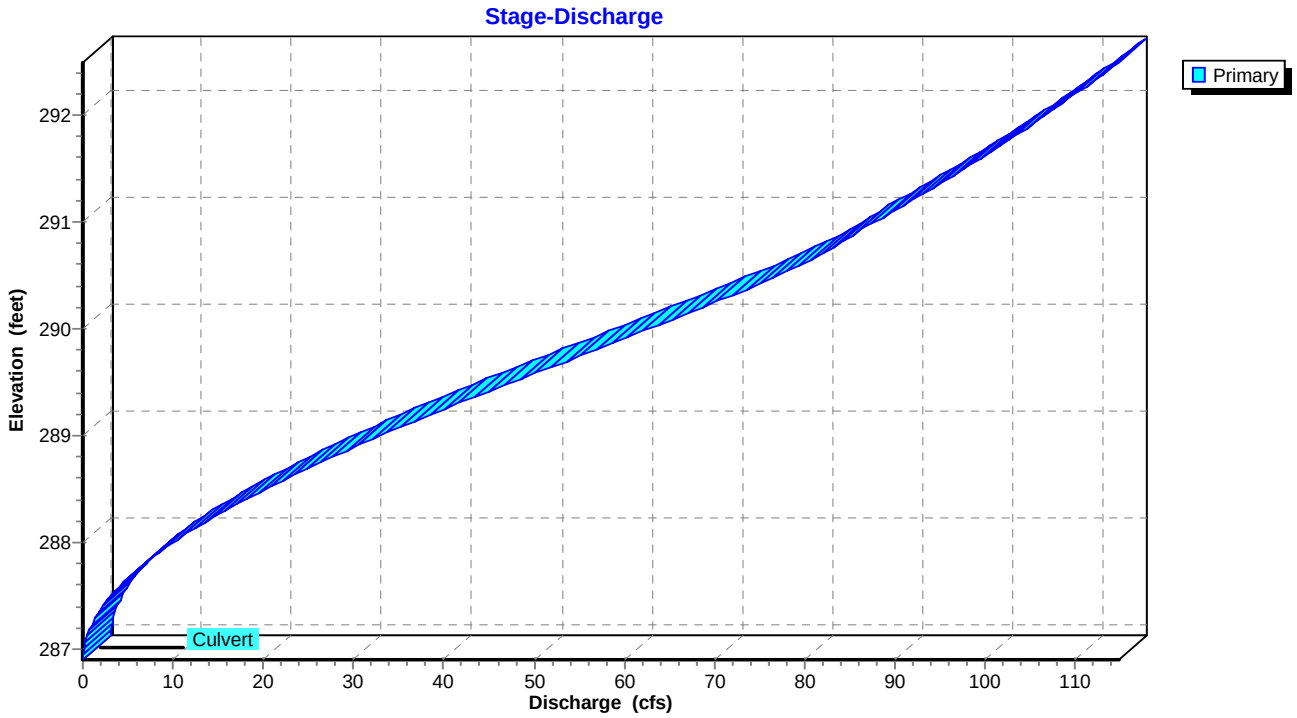
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=45.72 cfs @ 12.14 hrs HW=289.44' TW=285.68' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.72 cfs @ 5.43 fps)

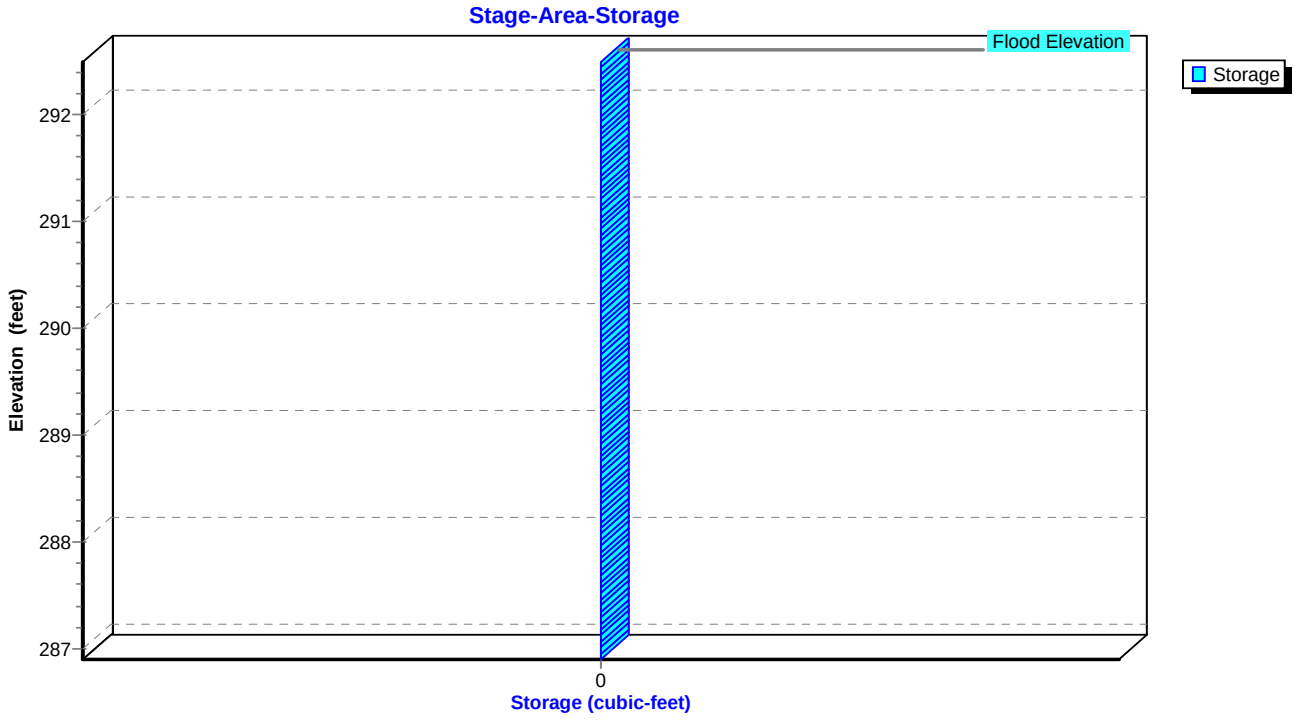
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.90	0.00
5.50	0.00	286.90	0.00
6.00	0.00	286.92	0.00
6.50	0.02	286.94	0.02
7.00	0.07	286.99	0.07
7.50	0.17	287.04	0.17
8.00	0.31	287.08	0.31
8.50	0.50	287.14	0.50
9.00	0.78	287.20	0.78
9.50	1.14	287.26	1.14
10.00	1.55	287.32	1.55
10.50	2.19	287.40	2.19
11.00	3.05	287.49	3.05
11.50	5.15	287.68	5.15
12.00	**30.58**	**288.91**	**30.58**
12.50	**23.41**	**288.63**	**23.41**
13.00	7.82	287.87	7.82
13.50	5.34	287.69	5.34
14.00	4.35	287.61	4.35
14.50	3.71	287.56	3.71
15.00	3.25	287.51	3.25
15.50	2.80	287.47	2.80
16.00	2.33	287.42	2.33
16.50	2.03	287.38	2.03
17.00	1.82	287.36	1.82
17.50	1.62	287.33	1.62
18.00	1.41	287.30	1.41
18.50	1.30	287.28	1.30
19.00	1.23	287.27	1.23
19.50	1.17	287.26	1.17
20.00	1.11	287.25	1.11
20.50	1.06	287.25	1.06
21.00	1.01	287.24	1.01
21.50	0.97	287.23	0.97
22.00	0.92	287.22	0.92
22.50	0.87	287.21	0.87
23.00	0.83	287.21	0.83
23.50	0.78	287.20	0.78
24.00	0.73	287.19	0.73

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

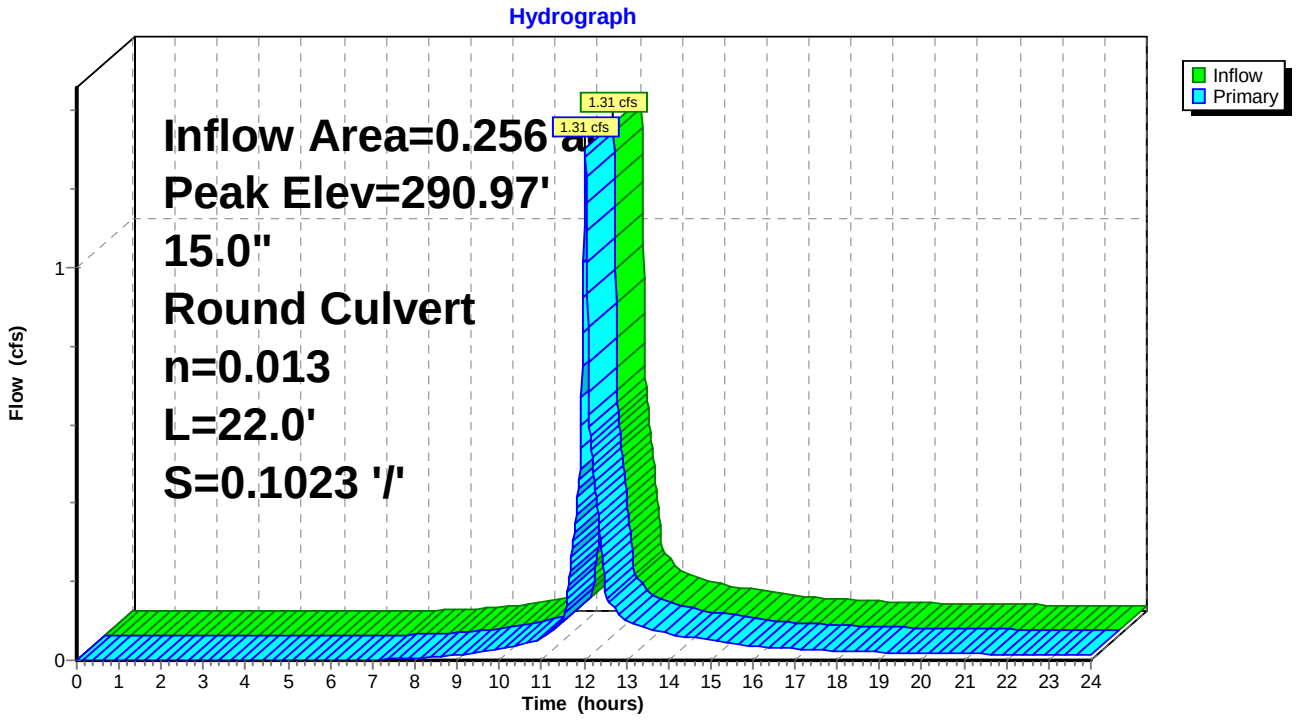
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 3.78" for 25-Year event
Inflow = 1.31 cfs @ 12.03 hrs, Volume= 0.081 af
Outflow = 1.31 cfs @ 12.03 hrs, Volume= 0.081 af, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.03 hrs, Volume= 0.081 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 290.97' @ 12.03 hrs
Flood Elev= 293.00'

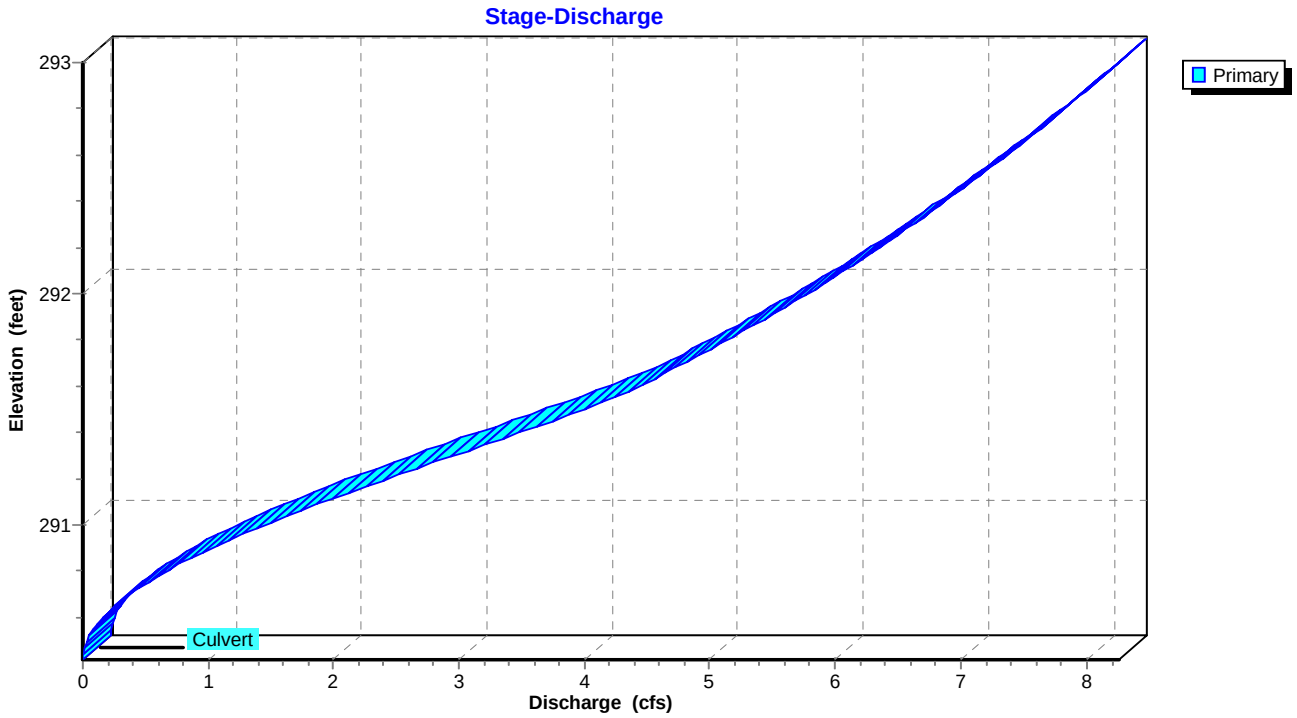
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.30 cfs @ 12.03 hrs HW=290.97' TW=289.11' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.30 cfs @ 2.52 fps)

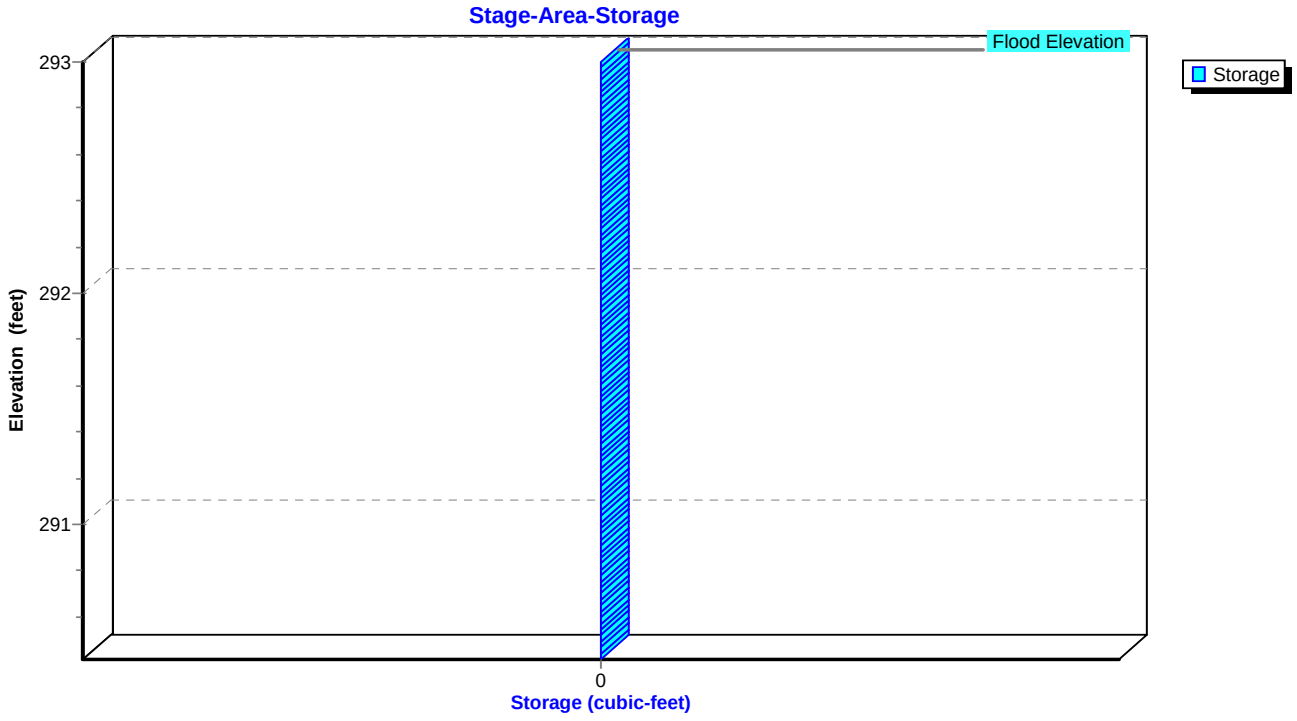
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.42	0.00
6.50	0.00	290.42	0.00
7.00	0.00	290.43	0.00
7.50	0.00	290.44	0.00
8.00	0.01	290.45	0.01
8.50	0.01	290.46	0.01
9.00	0.01	290.47	0.01
9.50	0.02	290.48	0.02
10.00	0.03	290.49	0.03
10.50	0.04	290.51	0.04
11.00	0.05	290.52	0.05
11.50	0.10	290.56	0.10
12.00	**1.11**	**290.92**	**1.11**
12.50	**0.19**	**290.62**	**0.19**
13.00	0.10	290.56	0.10
13.50	0.08	290.55	0.08
14.00	0.07	290.54	0.07
14.50	0.06	290.53	0.06
15.00	0.05	290.52	0.05
15.50	0.04	290.51	0.04
16.00	0.04	290.51	0.04
16.50	0.03	290.50	0.03
17.00	0.03	290.50	0.03
17.50	0.03	290.49	0.03
18.00	0.02	290.49	0.02
18.50	0.02	290.48	0.02
19.00	0.02	290.48	0.02
19.50	0.02	290.48	0.02
20.00	0.02	290.48	0.02
20.50	0.02	290.48	0.02
21.00	0.02	290.48	0.02
21.50	0.02	290.48	0.02
22.00	0.02	290.47	0.02
22.50	0.01	290.47	0.01
23.00	0.01	290.47	0.01
23.50	0.01	290.47	0.01
24.00	0.01	290.47	0.01

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

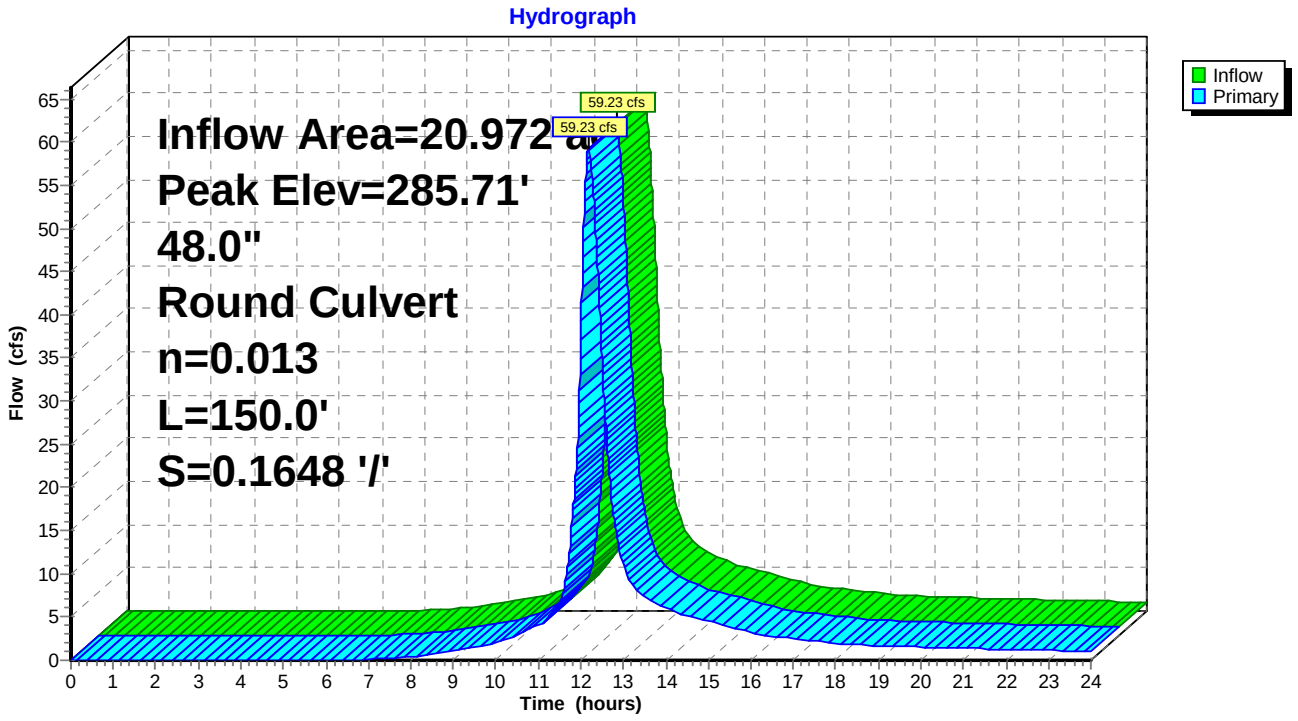
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 3.82" for 25-Year event
Inflow = 59.23 cfs @ 12.18 hrs, Volume= 6.676 af
Outflow = 59.23 cfs @ 12.18 hrs, Volume= 6.676 af, Atten= 0%, Lag= 0.0 min
Primary = 59.23 cfs @ 12.18 hrs, Volume= 6.676 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 285.71' @ 12.18 hrs
Flood Elev= 287.25'

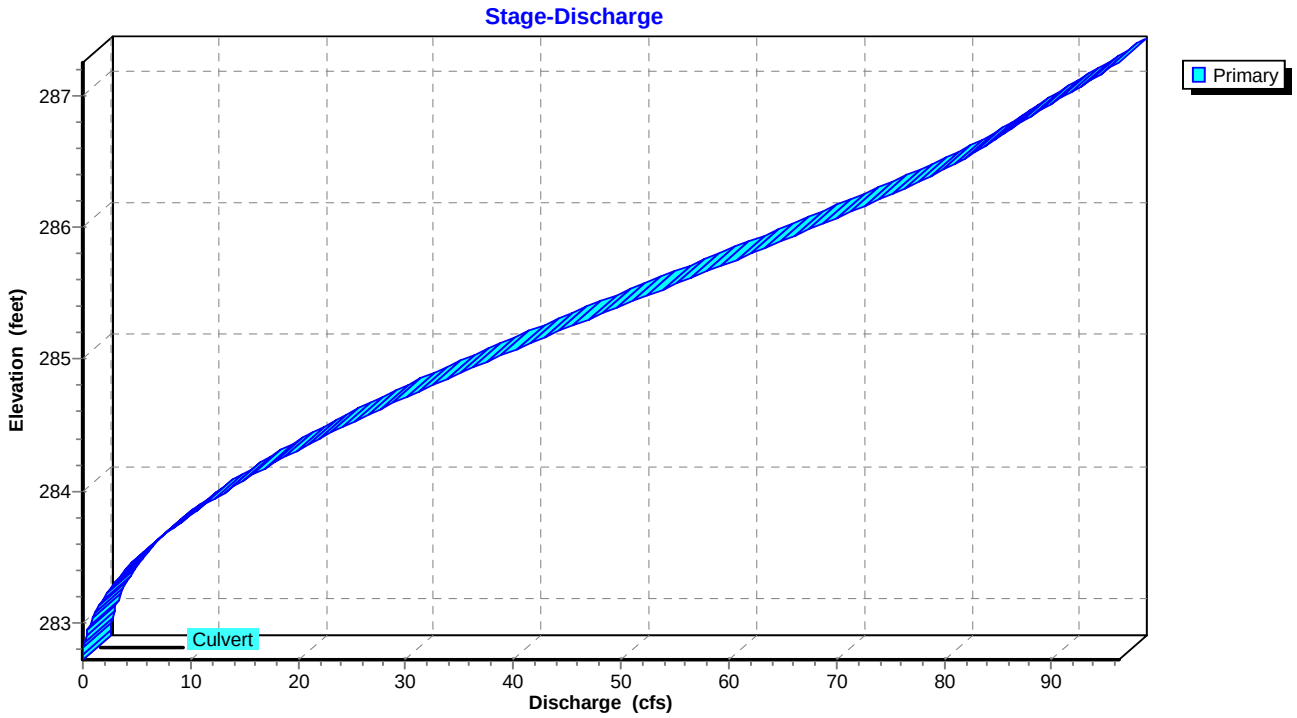
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=59.22 cfs @ 12.18 hrs HW=285.71' (Free Discharge)
1=Culvert (Inlet Controls 59.22 cfs @ 5.88 fps)

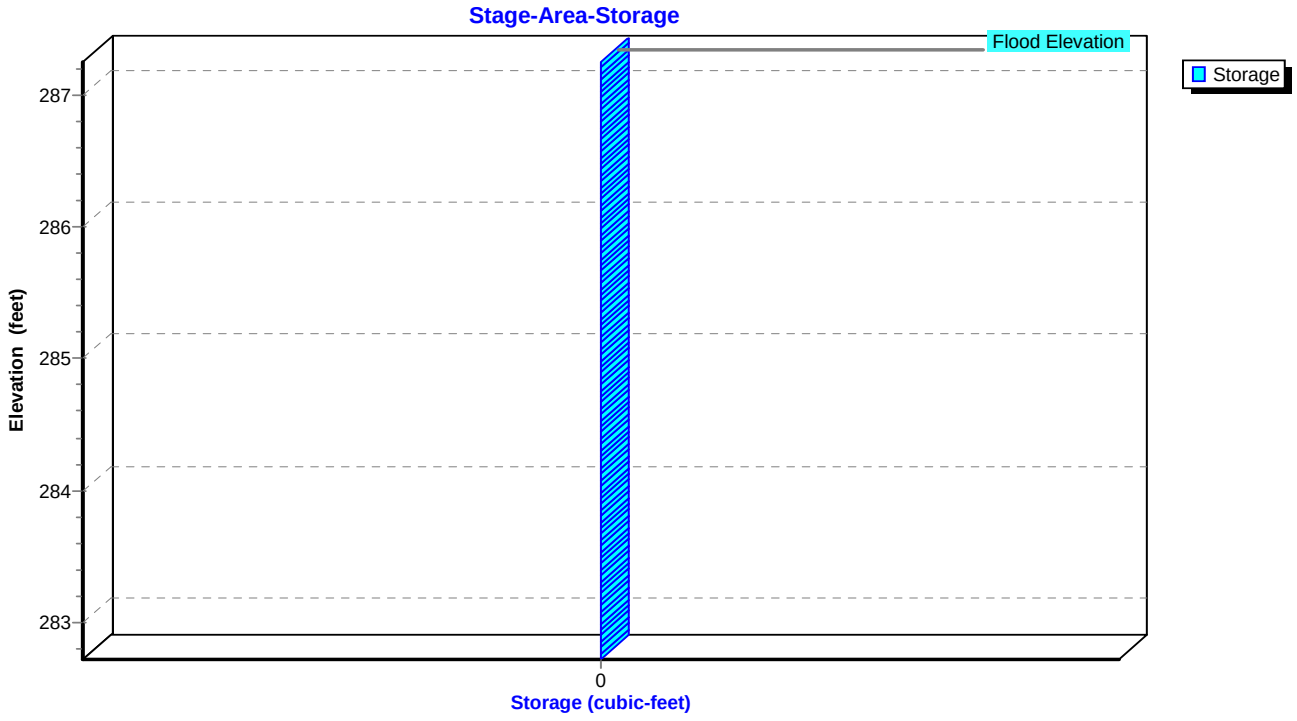
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.72	0.00
5.50	0.00	282.72	0.00
6.00	0.00	282.74	0.00
6.50	0.02	282.76	0.02
7.00	0.08	282.81	0.08
7.50	0.21	282.87	0.21
8.00	0.39	282.93	0.39
8.50	0.65	282.99	0.65
9.00	1.02	283.06	1.02
9.50	1.50	283.13	1.50
10.00	2.06	283.21	2.06
10.50	2.90	283.30	2.90
11.00	4.06	283.41	4.06
11.50	6.77	283.62	6.77
12.00	**37.05**	**284.97**	**37.05**
12.50	**34.87**	**284.89**	**34.87**
13.00	11.11	283.88	11.11
13.50	7.38	283.66	7.38
14.00	6.03	283.56	6.03
14.50	5.12	283.49	5.12
15.00	4.49	283.44	4.49
15.50	3.86	283.39	3.86
16.00	3.23	283.33	3.23
16.50	2.79	283.29	2.79
17.00	2.51	283.26	2.51
17.50	2.23	283.23	2.23
18.00	1.95	283.19	1.95
18.50	1.78	283.17	1.78
19.00	1.69	283.16	1.69
19.50	1.61	283.15	1.61
20.00	1.52	283.14	1.52
20.50	1.45	283.13	1.45
21.00	1.39	283.12	1.39
21.50	1.33	283.11	1.33
22.00	1.26	283.10	1.26
22.50	1.20	283.09	1.20
23.00	1.13	283.08	1.13
23.50	1.07	283.07	1.07
24.00	1.01	283.06	1.01

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

[58] Hint: Peaked 0.87' above defined flood level

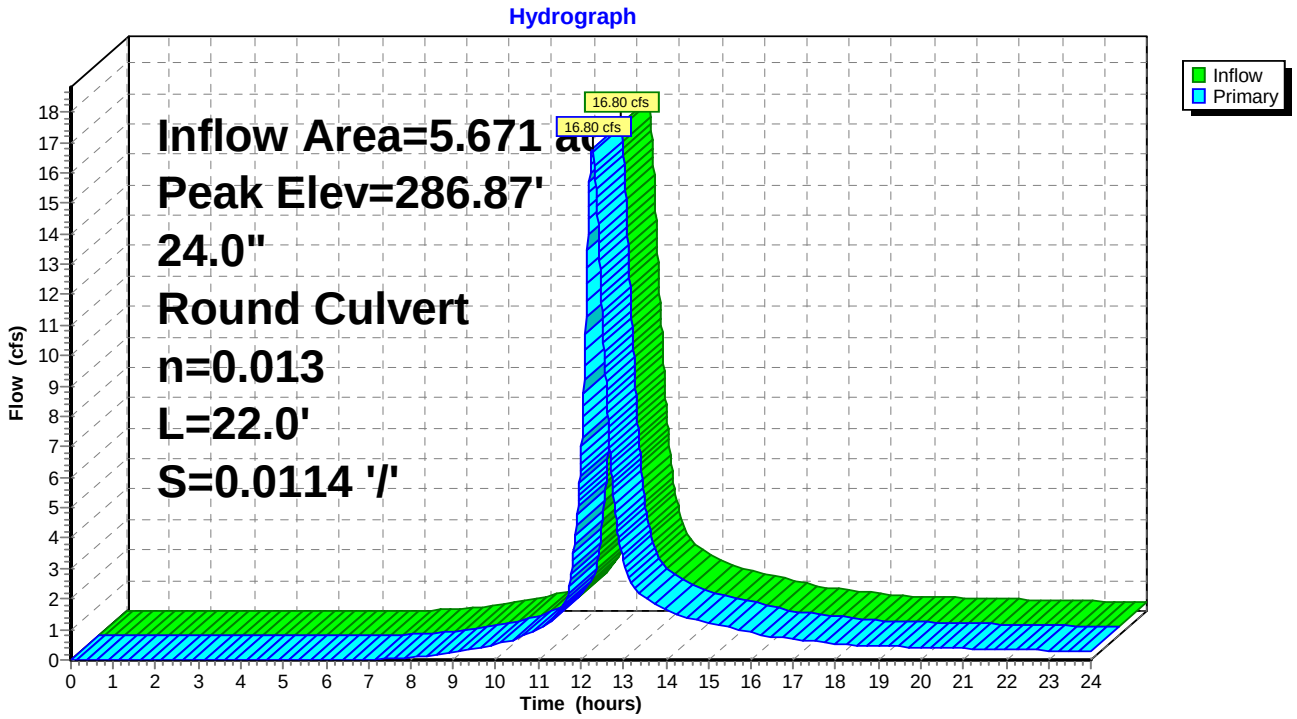
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 3.77" for 25-Year event
Inflow = 16.80 cfs @ 12.28 hrs, Volume= 1.780 af
Outflow = 16.80 cfs @ 12.28 hrs, Volume= 1.780 af, Atten= 0%, Lag= 0.0 min
Primary = 16.80 cfs @ 12.28 hrs, Volume= 1.780 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 286.87' @ 12.25 hrs
Flood Elev= 286.00'

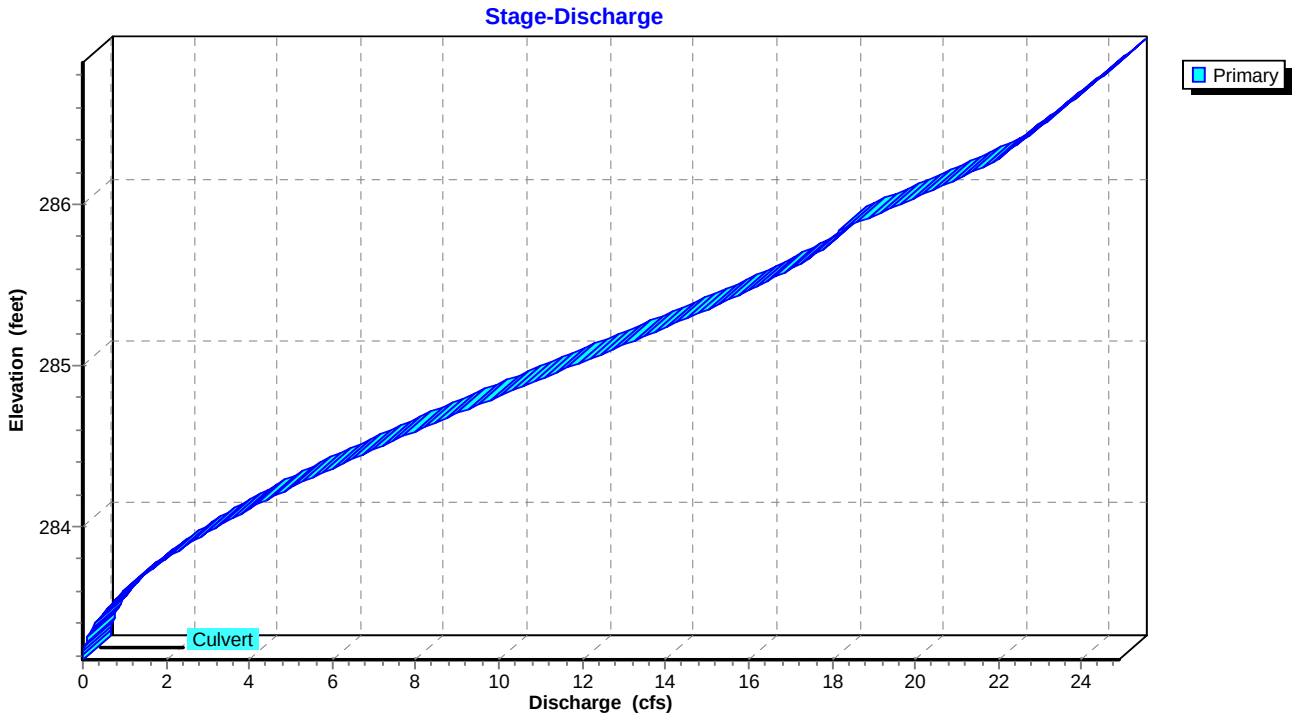
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.94 cfs @ 12.28 hrs HW=286.84' TW=285.59' (Dynamic Tailwater)
1=Culvert (Inlet Controls 16.94 cfs @ 5.39 fps)

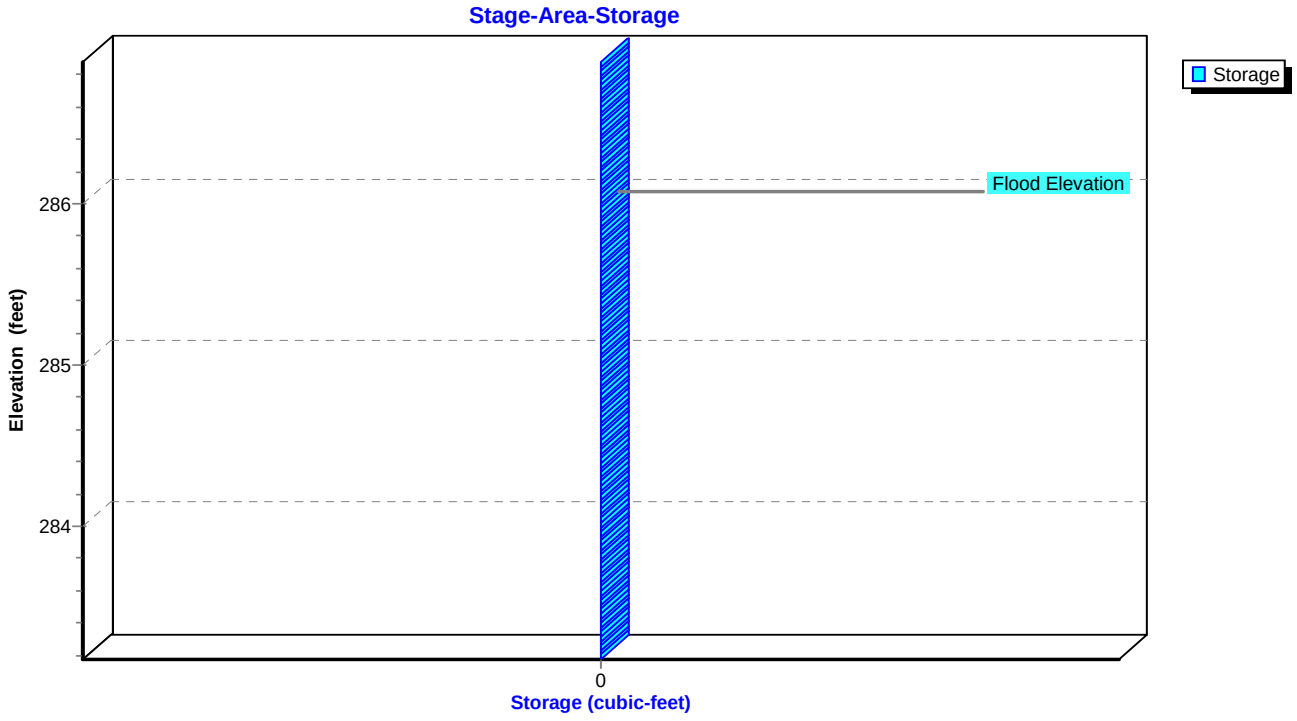
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.17	0.00
6.50	0.00	283.17	0.00
7.00	0.01	283.20	0.01
7.50	0.04	283.25	0.04
8.00	0.09	283.29	0.09
8.50	0.15	283.33	0.15
9.00	0.24	283.37	0.24
9.50	0.36	283.42	0.36
10.00	0.51	283.48	0.51
10.50	0.71	283.56	0.71
11.00	1.01	283.65	1.01
11.50	1.62	283.83	1.62
12.00	**6.47**	**285.08**	**6.47**
12.50	**11.45**	**285.50**	**11.45**
13.00	3.29	284.16	3.29
13.50	2.04	283.91	2.04
14.00	1.67	283.82	1.67
14.50	1.40	283.75	1.40
15.00	1.23	283.70	1.23
15.50	1.07	283.66	1.07
16.00	0.90	283.60	0.90
16.50	0.76	283.56	0.76
17.00	0.69	283.54	0.69
17.50	0.61	283.51	0.61
18.00	0.54	283.49	0.54
18.50	0.48	283.47	0.48
19.00	0.46	283.46	0.46
19.50	0.44	283.45	0.44
20.00	0.41	283.44	0.41
20.50	0.39	283.43	0.39
21.00	0.38	283.43	0.38
21.50	0.36	283.42	0.36
22.00	0.34	283.41	0.34
22.50	0.33	283.41	0.33
23.00	0.31	283.40	0.31
23.50	0.29	283.39	0.29
24.00	0.27	283.39	0.27

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	284.19	4.63	285.21	13.79	286.23	21.66
283.19	0.00	284.21	4.79	285.23	13.97	286.25	21.82
283.21	0.01	284.23	4.94	285.25	14.15	286.27	21.92
283.23	0.02	284.25	5.10	285.27	14.33	286.29	22.02
283.25	0.04	284.27	5.26	285.29	14.51	286.31	22.13
283.27	0.06	284.29	5.42	285.31	14.69	286.33	22.23
283.29	0.09	284.31	5.58	285.33	14.86	286.35	22.33
283.31	0.12	284.33	5.75	285.35	15.04	286.37	22.44
283.33	0.15	284.35	5.91	285.37	15.21	286.39	22.54
283.35	0.19	284.37	6.08	285.39	15.38	286.41	22.64
283.37	0.24	284.39	6.25	285.41	15.55	286.43	22.74
283.39	0.28	284.41	6.42	285.43	15.72	286.45	22.84
283.41	0.34	284.43	6.59	285.45	15.88	286.47	22.94
283.43	0.39	284.45	6.76	285.47	16.05	286.49	23.04
283.45	0.45	284.47	6.94	285.49	16.21	286.51	23.14
283.47	0.52	284.49	7.11	285.51	16.36	286.53	23.24
283.49	0.58	284.51	7.29	285.53	16.52	286.55	23.34
283.51	0.65	284.53	7.46	285.55	16.67	286.57	23.43
283.53	0.73	284.55	7.64	285.57	16.82	286.59	23.53
283.55	0.80	284.57	7.82	285.59	16.96	286.61	23.63
283.57	0.88	284.59	8.00	285.61	17.10	286.63	23.73
283.59	0.97	284.61	8.18	285.63	17.23	286.65	23.82
283.61	1.05	284.63	8.36	285.65	17.36	286.67	23.92
283.63	1.14	284.65	8.55	285.67	17.49	286.69	24.01
283.65	1.23	284.67	8.73	285.69	17.61	286.71	24.11
283.67	1.33	284.69	8.91	285.71	17.72	286.73	24.20
283.69	1.42	284.71	9.10	285.73	17.83	286.75	24.30
283.71	1.52	284.73	9.28	285.75	17.92	286.77	24.39
283.73	1.63	284.75	9.47	285.77	18.01	286.79	24.48
283.75	1.73	284.77	9.66	285.79	18.08	286.81	24.58
283.77	1.84	284.79	9.84	285.81	18.14	286.83	24.67
283.79	1.95	284.81	10.03	285.83	18.16	286.85	24.76
283.81	2.06	284.83	10.22	285.85	18.25	286.87	**24.86**
283.83	2.18	284.85	10.41	285.87	18.45		
283.85	2.30	284.87	10.60	285.89	18.64		
283.87	2.42	284.89	10.79	285.91	18.83		
283.89	2.54	284.91	10.98	285.93	19.02		
283.91	2.66	284.93	11.16	285.95	19.21		
283.93	2.79	284.95	11.35	285.97	19.39		
283.95	2.92	284.97	11.54	285.99	19.58		
283.97	3.05	284.99	11.73	286.01	19.76		
283.99	3.19	285.01	11.92	286.03	19.94		
284.01	3.32	285.03	12.11	286.05	20.12		
284.03	3.46	285.05	12.30	286.07	20.30		
284.05	3.60	285.07	12.49	286.09	20.47		
284.07	3.74	285.09	12.67	286.11	20.65		
284.09	3.88	285.11	12.86	286.13	20.82		
284.11	4.03	285.13	13.05	286.15	20.99		
284.13	4.18	285.15	13.23	286.17	21.16		
284.15	4.33	285.17	13.42	286.19	21.33		
284.17	4.48	285.19	13.60	286.21	21.50		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0		
284.42	0		
284.47	0		
284.52	0		
284.57	0		
284.62	0		
284.67	0		
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		
285.27	0		
285.32	0		
285.37	0		
285.42	0		
285.47	0		
285.52	0		
285.57	0		
285.62	0		
285.67	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

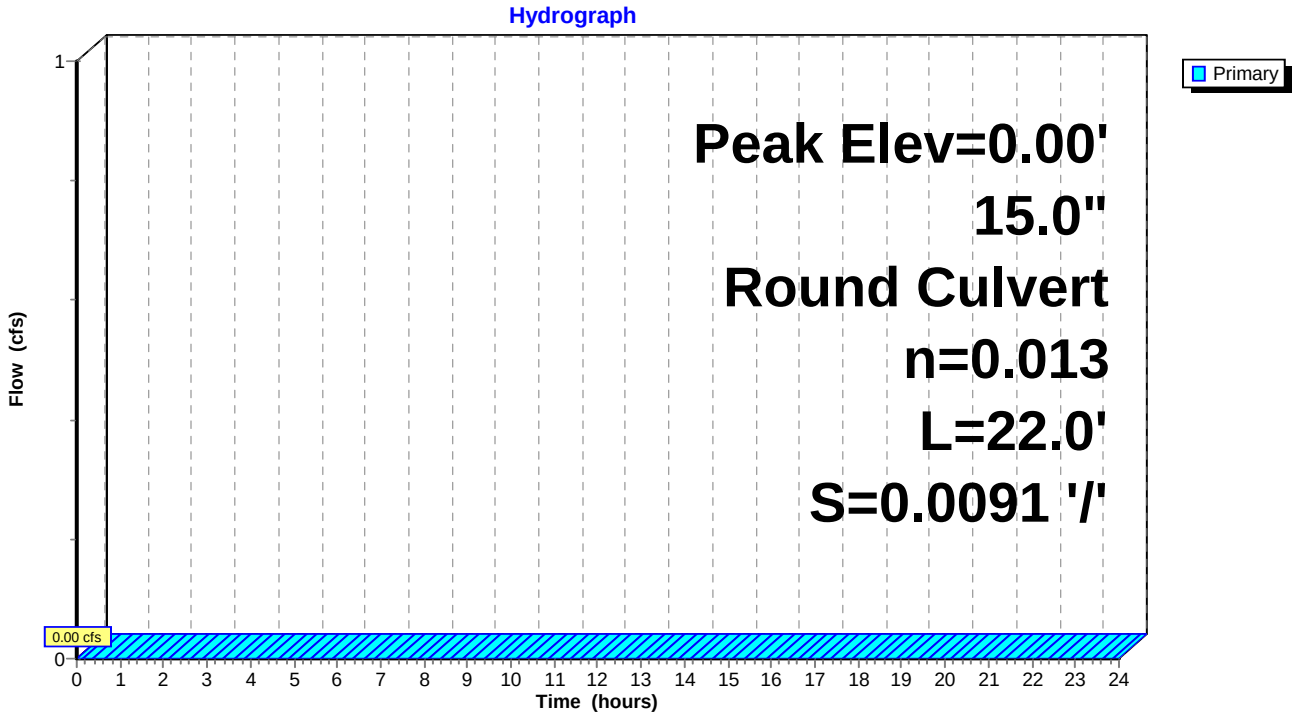
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

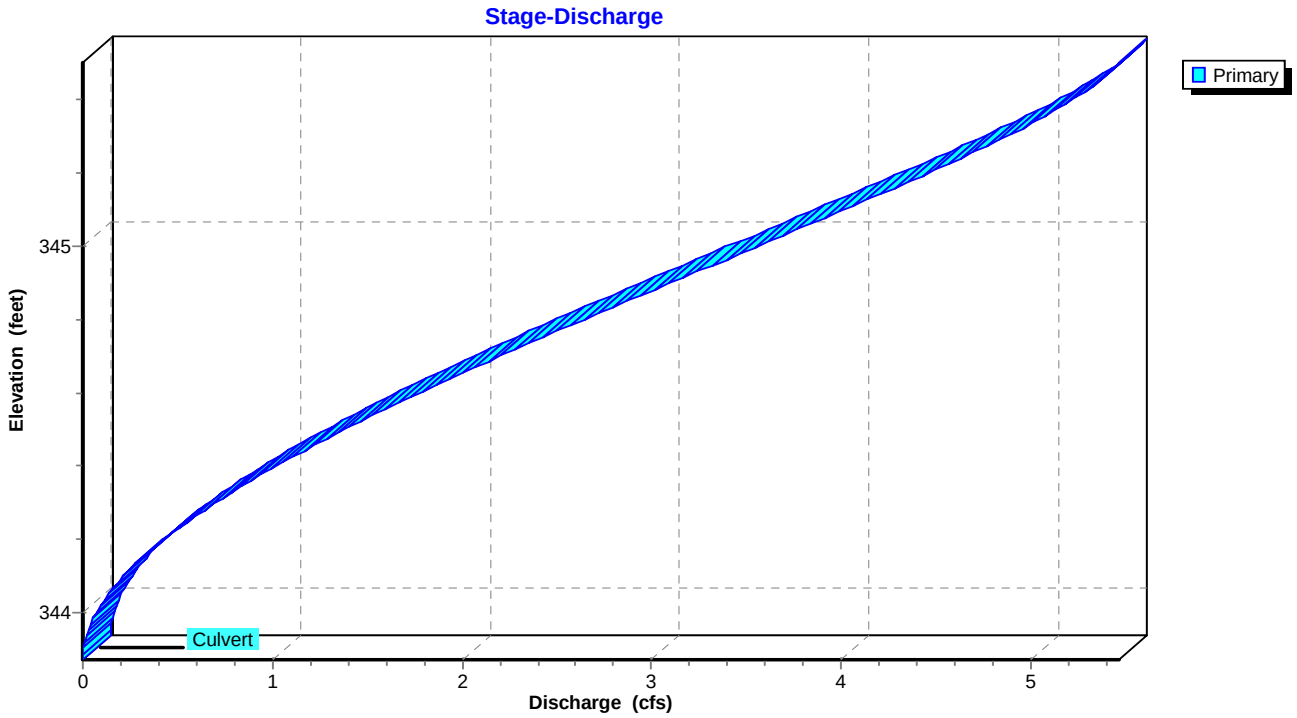
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

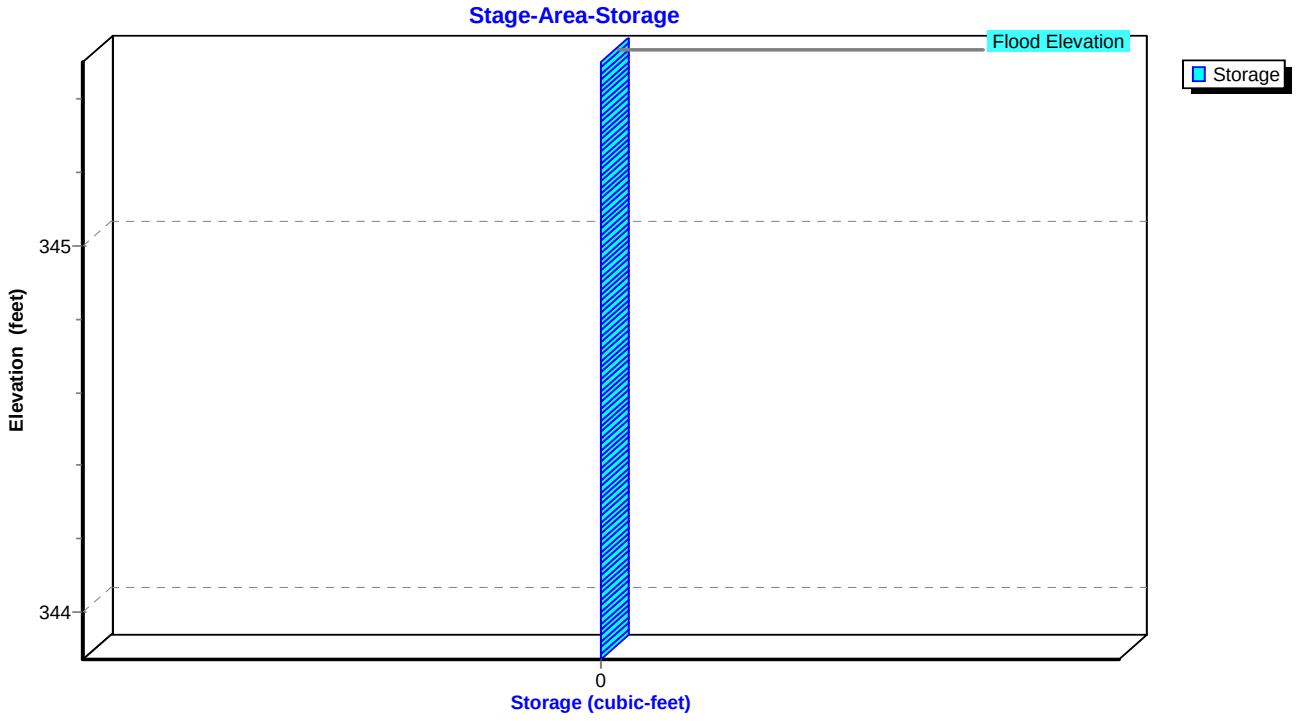
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

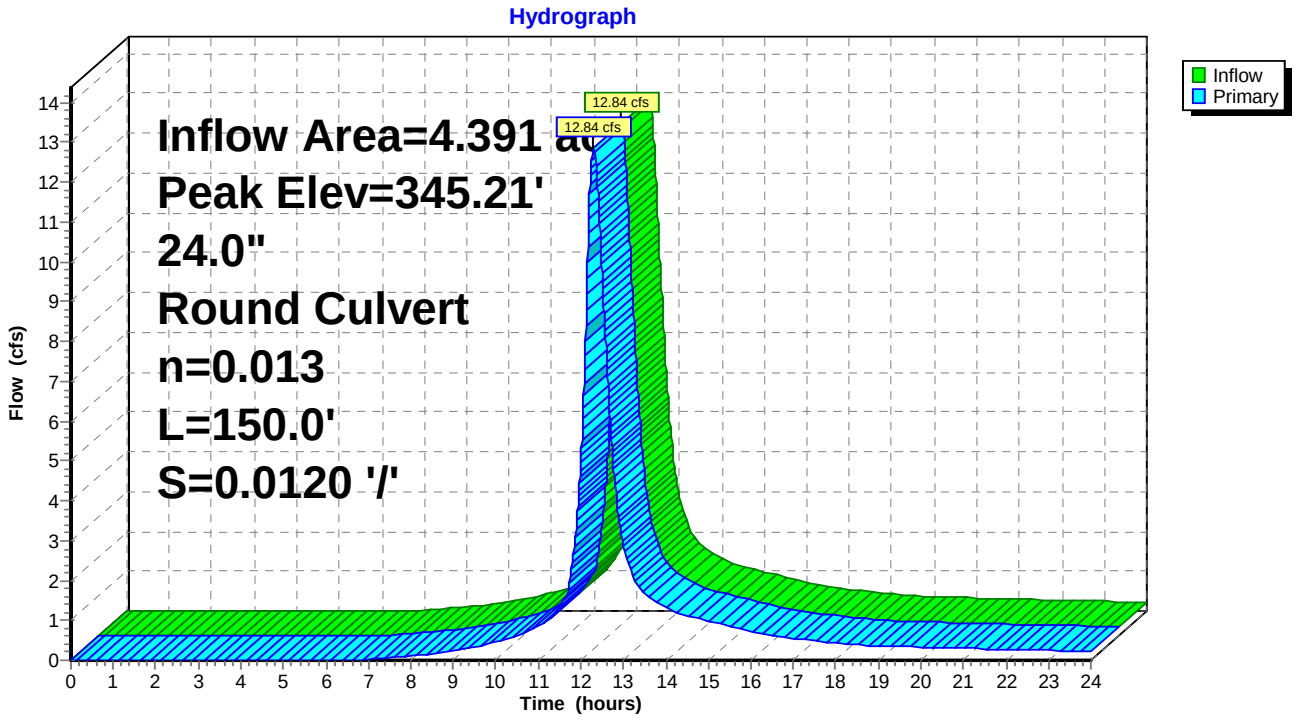
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af
Outflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af, Atten= 0%, Lag= 0.0 min
Primary = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.21' @ 12.30 hrs
Flood Elev= 347.00'

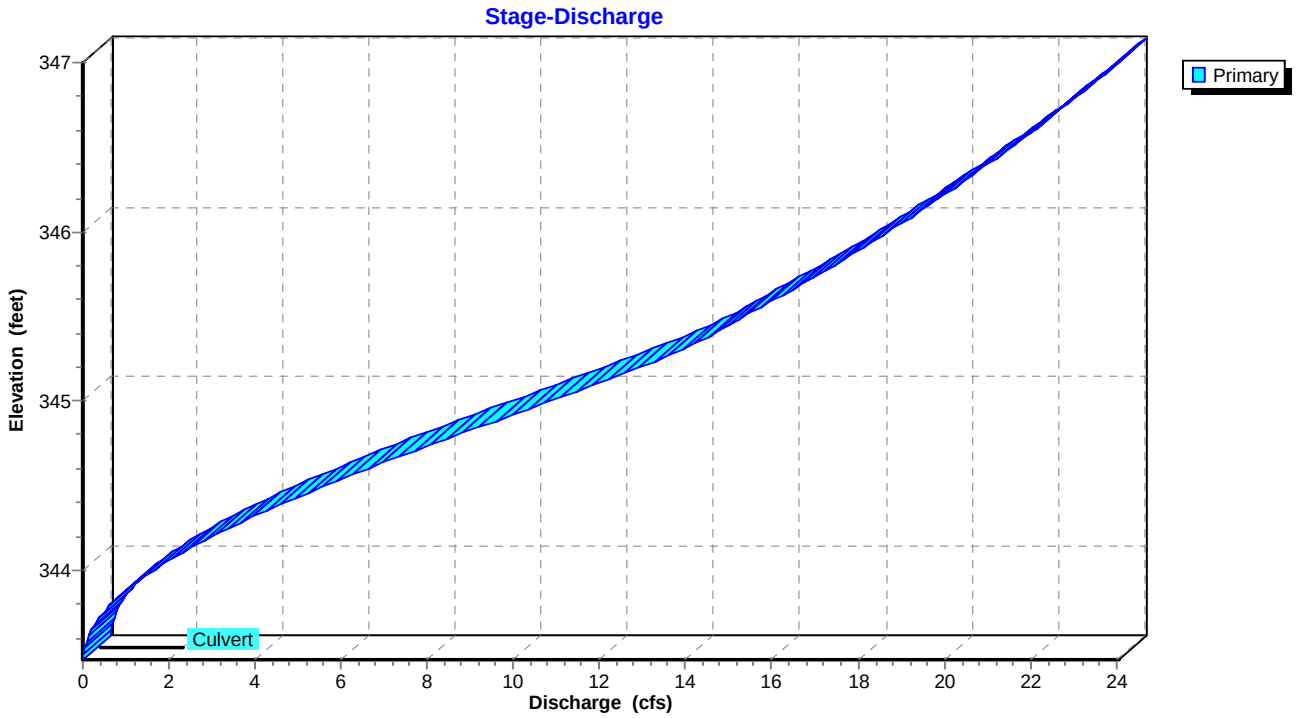
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.83 cfs @ 12.29 hrs HW=345.21' TW=343.56' (Dynamic Tailwater)
1=Culvert (Outlet Controls 12.83 cfs @ 5.91 fps)

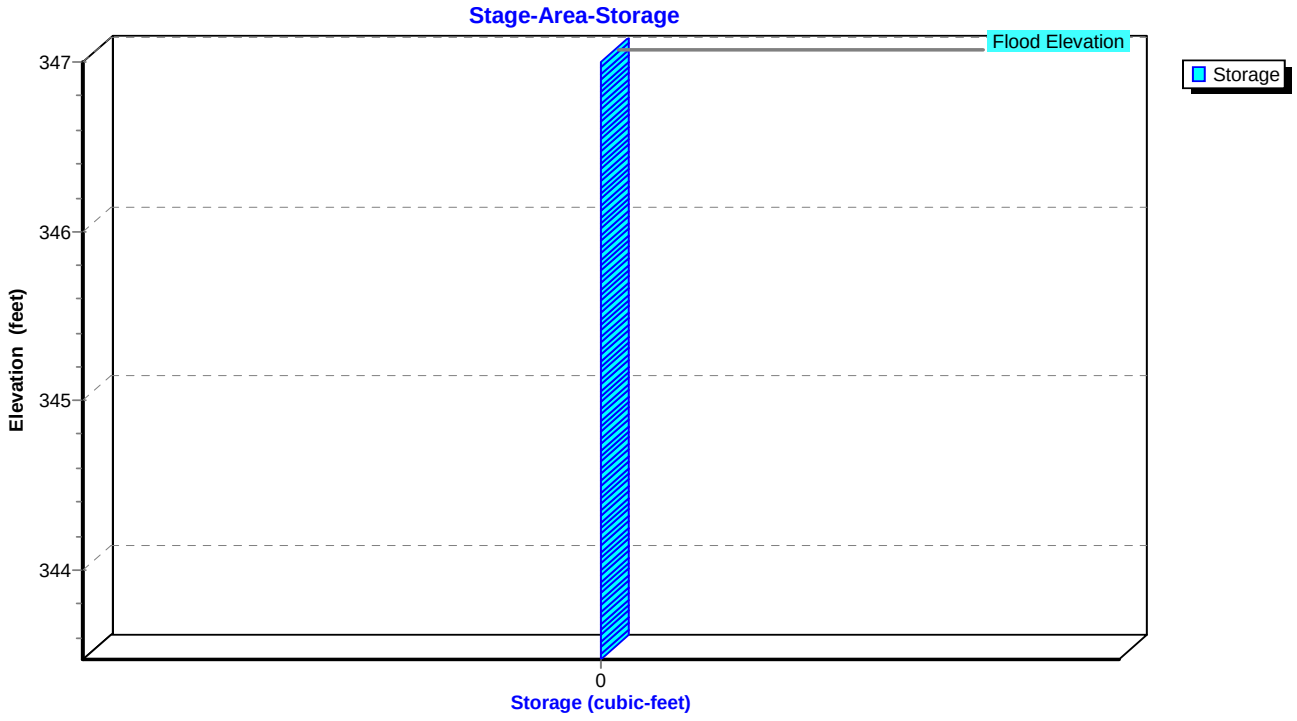
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.48	0.00
6.50	0.01	343.51	0.01
7.00	0.03	343.54	0.03
7.50	0.06	343.57	0.06
8.00	0.10	343.60	0.10
8.50	0.15	343.63	0.15
9.00	0.23	343.66	0.23
9.50	0.34	343.70	0.34
10.00	0.46	343.74	0.46
10.50	0.62	343.79	0.62
11.00	0.86	343.85	0.86
11.50	1.34	343.94	1.34
12.00	**4.95**	**344.43**	**4.95**
12.50	**9.72**	**344.89**	**9.72**
13.00	2.89	344.18	2.89
13.50	1.68	344.00	1.68
14.00	1.35	343.95	1.35
14.50	1.13	343.90	1.13
15.00	0.99	343.88	0.99
15.50	0.85	343.85	0.85
16.00	0.72	343.81	0.72
16.50	0.61	343.79	0.61
17.00	0.55	343.77	0.55
17.50	0.49	343.75	0.49
18.00	0.43	343.73	0.43
18.50	0.38	343.72	0.38
19.00	0.36	343.71	0.36
19.50	0.35	343.71	0.35
20.00	0.33	343.70	0.33
20.50	0.31	343.69	0.31
21.00	0.30	343.69	0.30
21.50	0.28	343.68	0.28
22.00	0.27	343.68	0.27
22.50	0.26	343.67	0.26
23.00	0.24	343.67	0.24
23.50	0.23	343.66	0.23
24.00	0.22	343.66	0.22

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

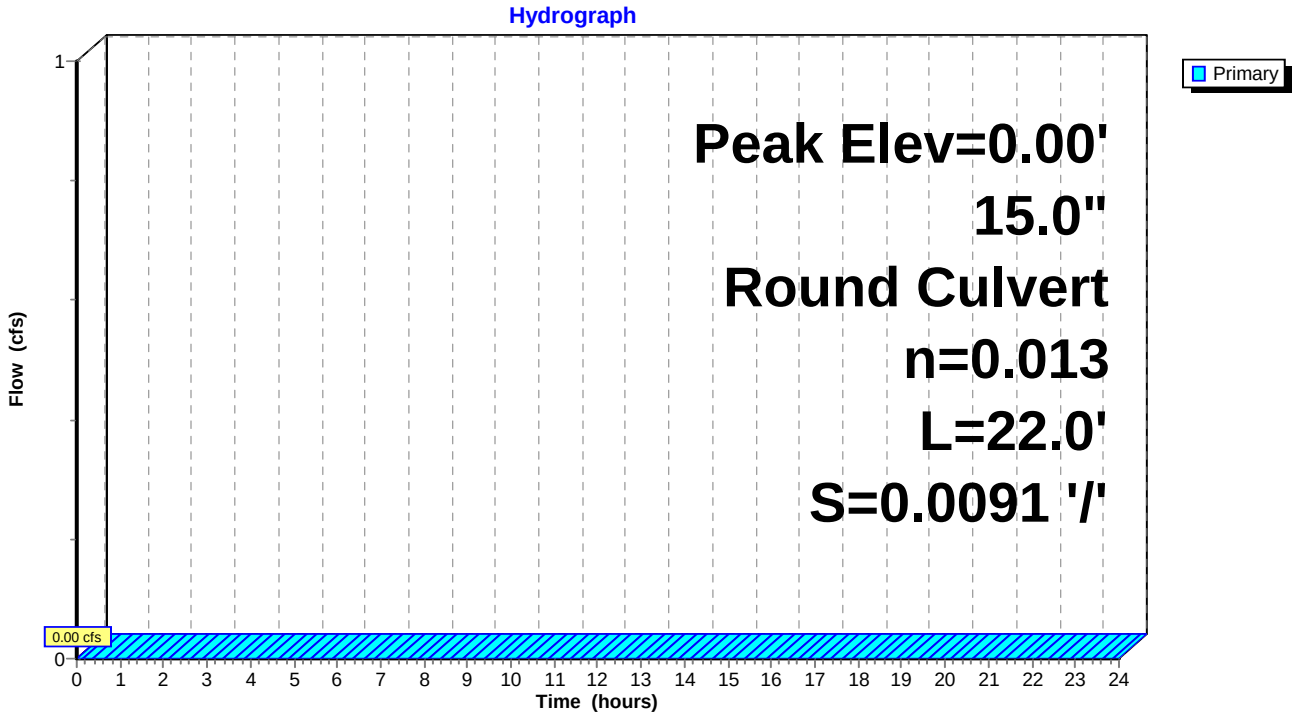
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

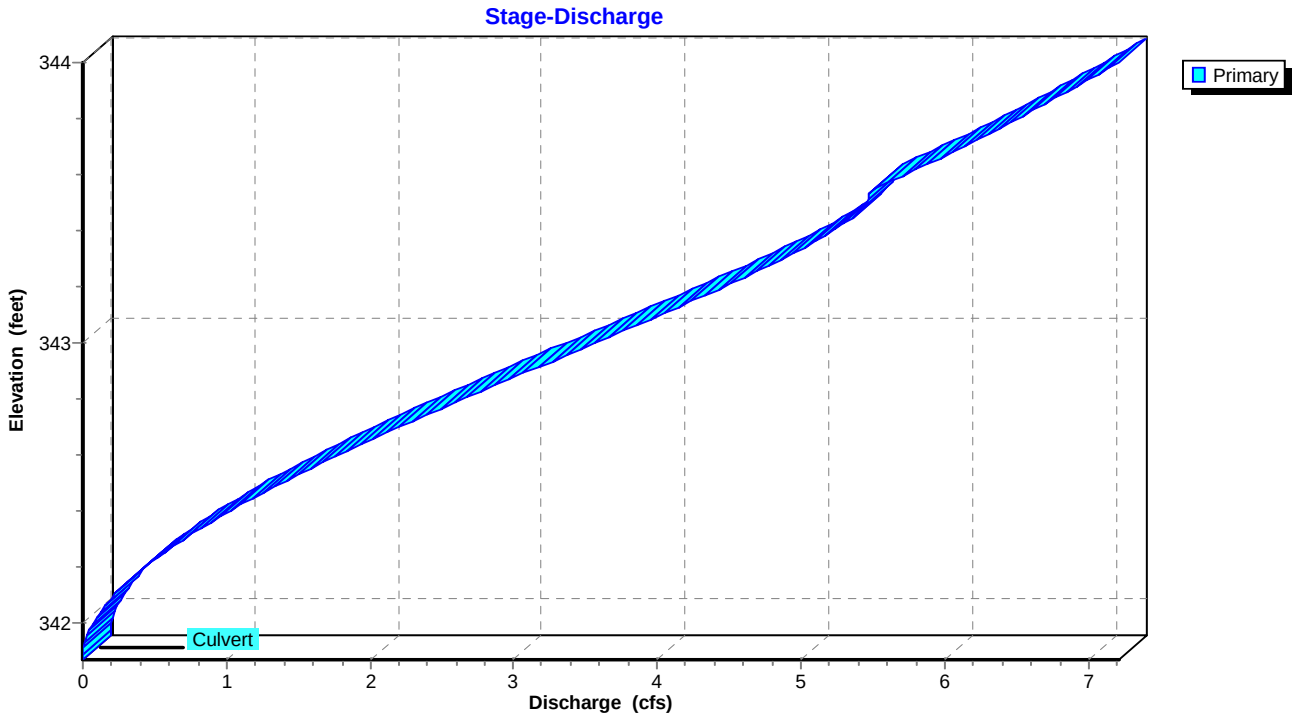
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

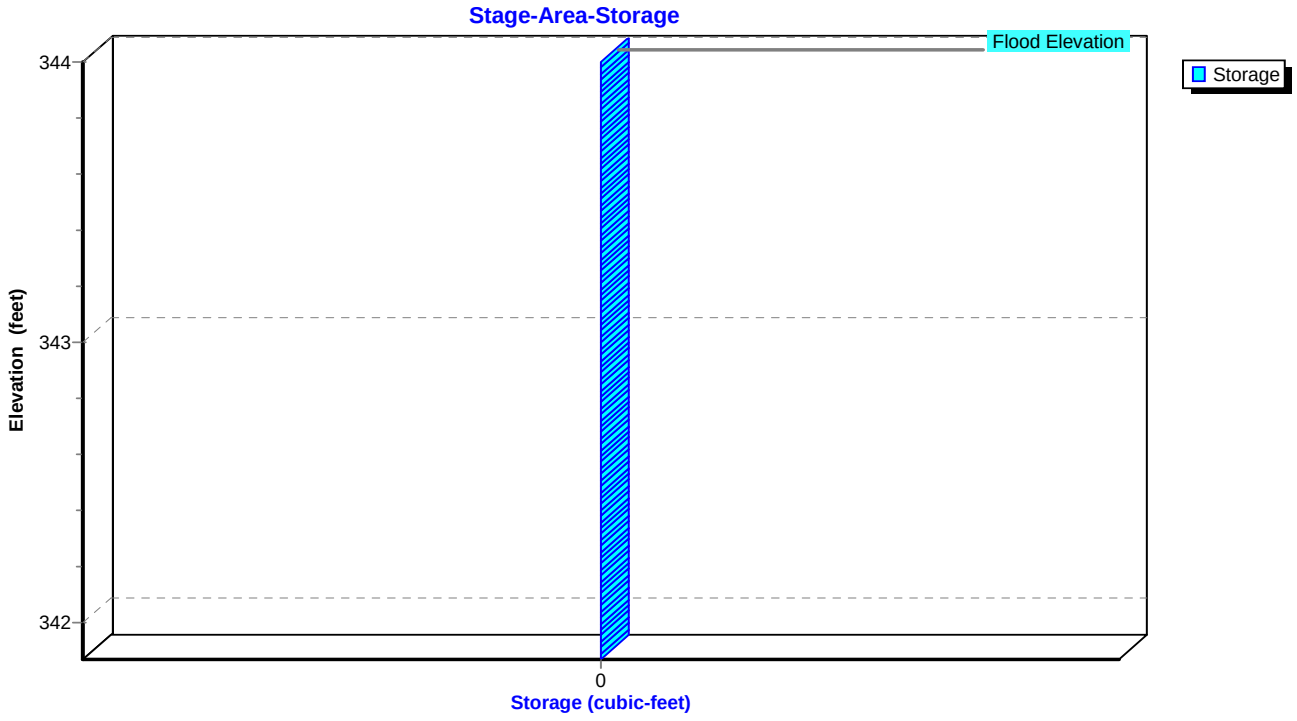
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

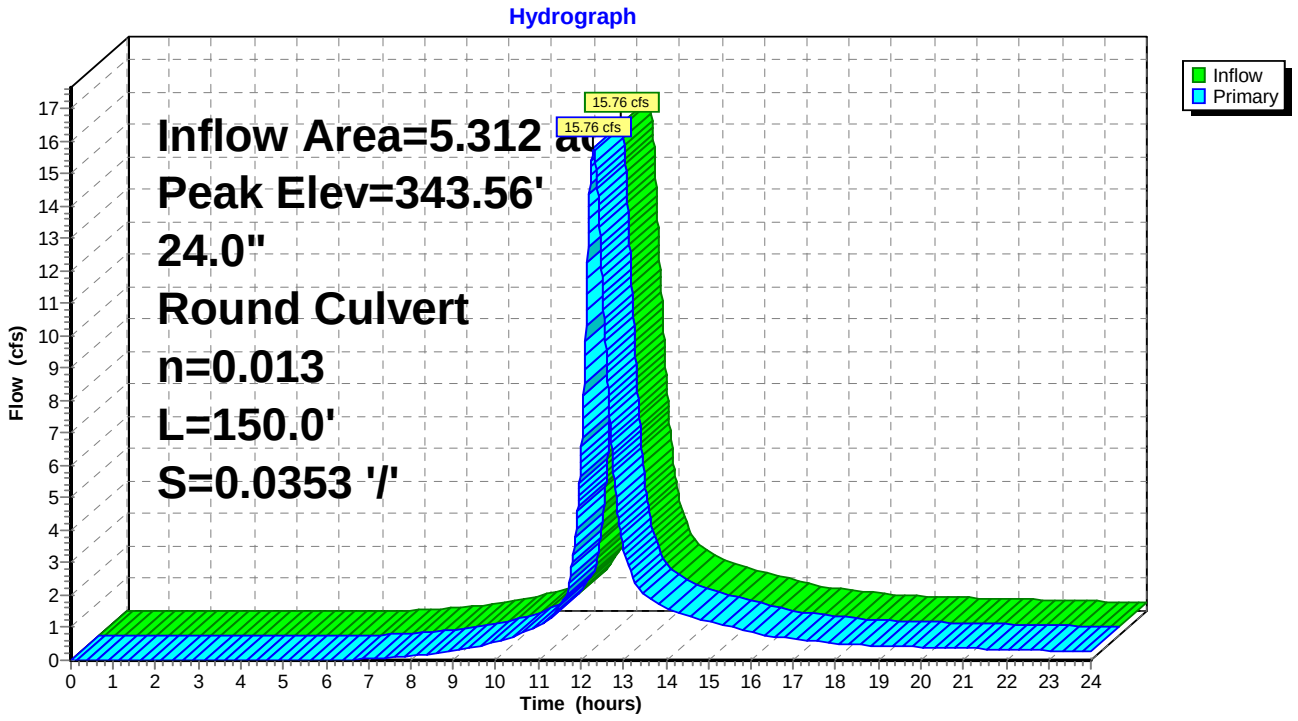
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.00" for 25-Year event
Inflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af
Outflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af, Atten= 0%, Lag= 0.0 min
Primary = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.56' @ 12.29 hrs
Flood Elev= 345.00'

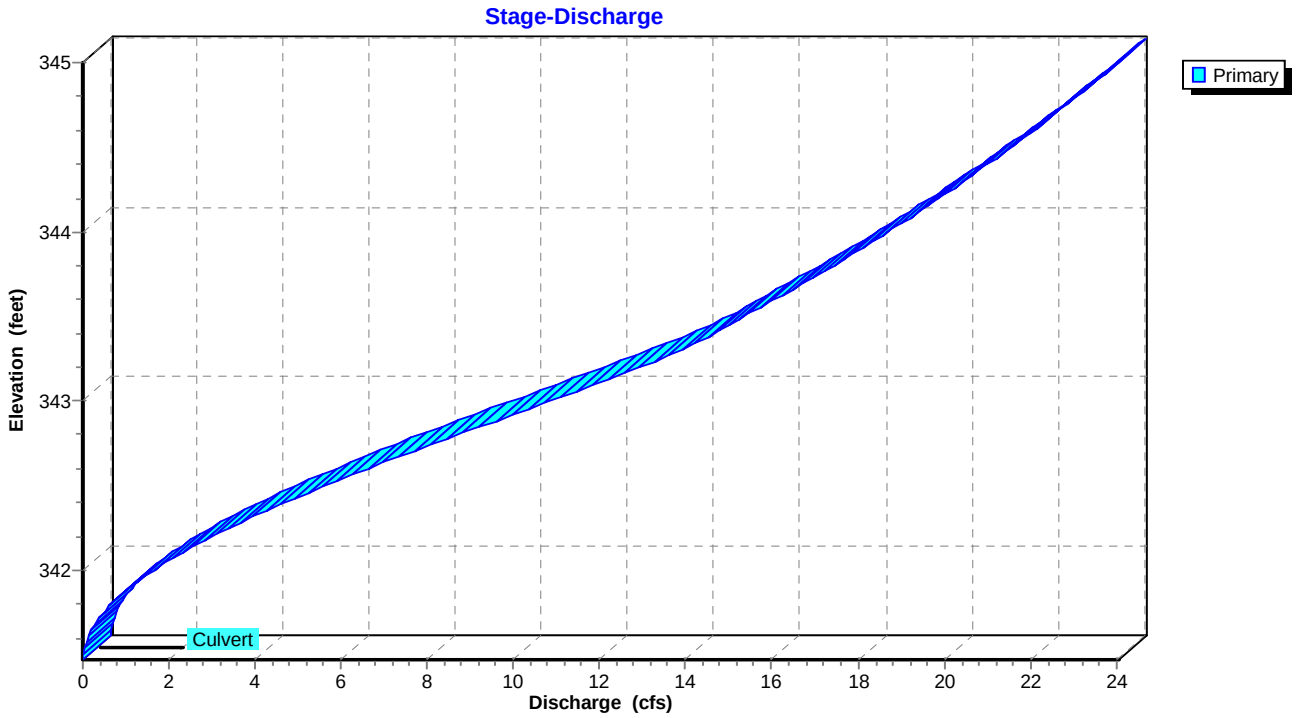
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.76 cfs @ 12.29 hrs HW=343.56' TW=337.85' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 15.76 cfs @ 5.02 fps)

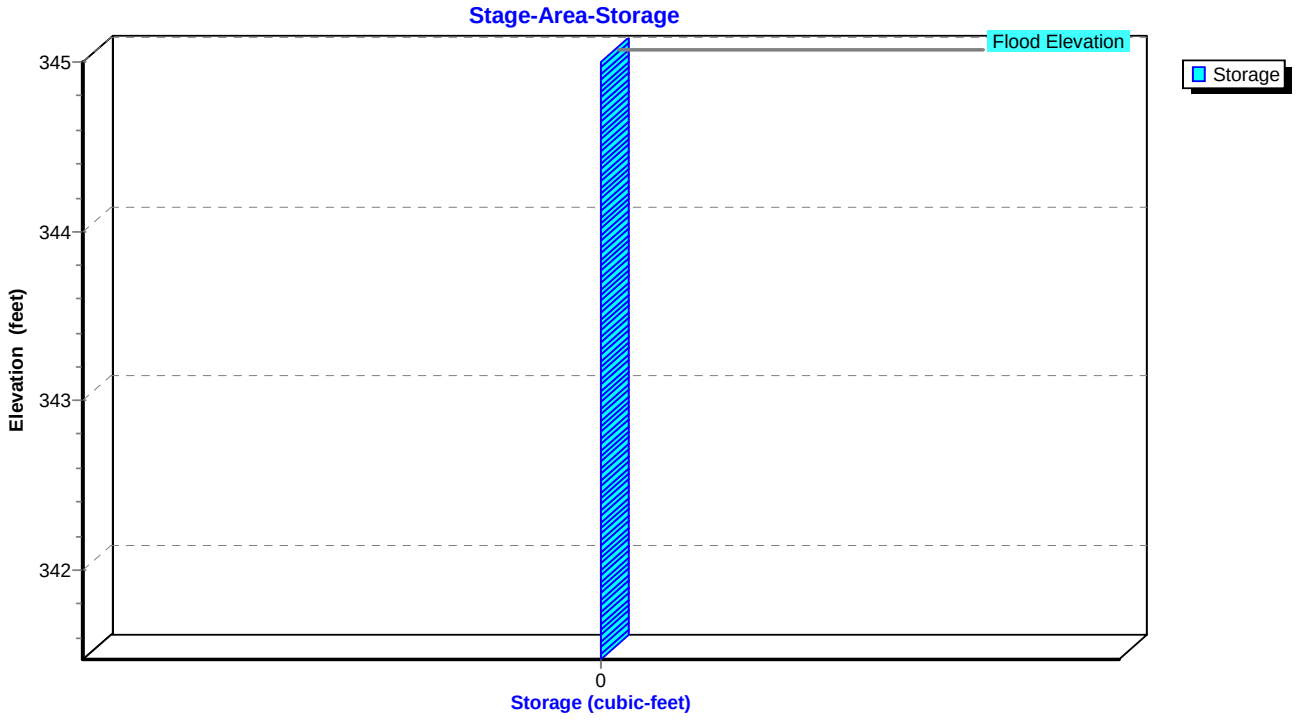
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.49	0.00
6.50	0.01	341.52	0.01
7.00	0.04	341.55	0.04
7.50	0.08	341.58	0.08
8.00	0.13	341.61	0.13
8.50	0.20	341.65	0.20
9.00	0.30	341.69	0.30
9.50	0.42	341.73	0.42
10.00	0.57	341.78	0.57
10.50	0.77	341.83	0.77
11.00	1.07	341.89	1.07
11.50	1.65	342.00	1.65
12.00	**6.09**	**342.55**	**6.09**
12.50	**11.80**	**343.09**	**11.80**
13.00	3.48	342.26	3.48
13.50	2.03	342.06	2.03
14.00	1.64	342.00	1.64
14.50	1.37	341.95	1.37
15.00	1.20	341.92	1.20
15.50	1.04	341.89	1.04
16.00	0.87	341.85	0.87
16.50	0.74	341.82	0.74
17.00	0.66	341.80	0.66
17.50	0.59	341.78	0.59
18.00	0.52	341.76	0.52
18.50	0.47	341.75	0.47
19.00	0.44	341.74	0.44
19.50	0.42	341.73	0.42
20.00	0.40	341.72	0.40
20.50	0.38	341.72	0.38
21.00	0.36	341.71	0.36
21.50	0.35	341.71	0.35
22.00	0.33	341.70	0.33
22.50	0.31	341.69	0.31
23.00	0.30	341.69	0.30
23.50	0.28	341.68	0.28
24.00	0.26	341.68	0.26

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0

Elevation (feet)	Storage (cubic-feet)
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

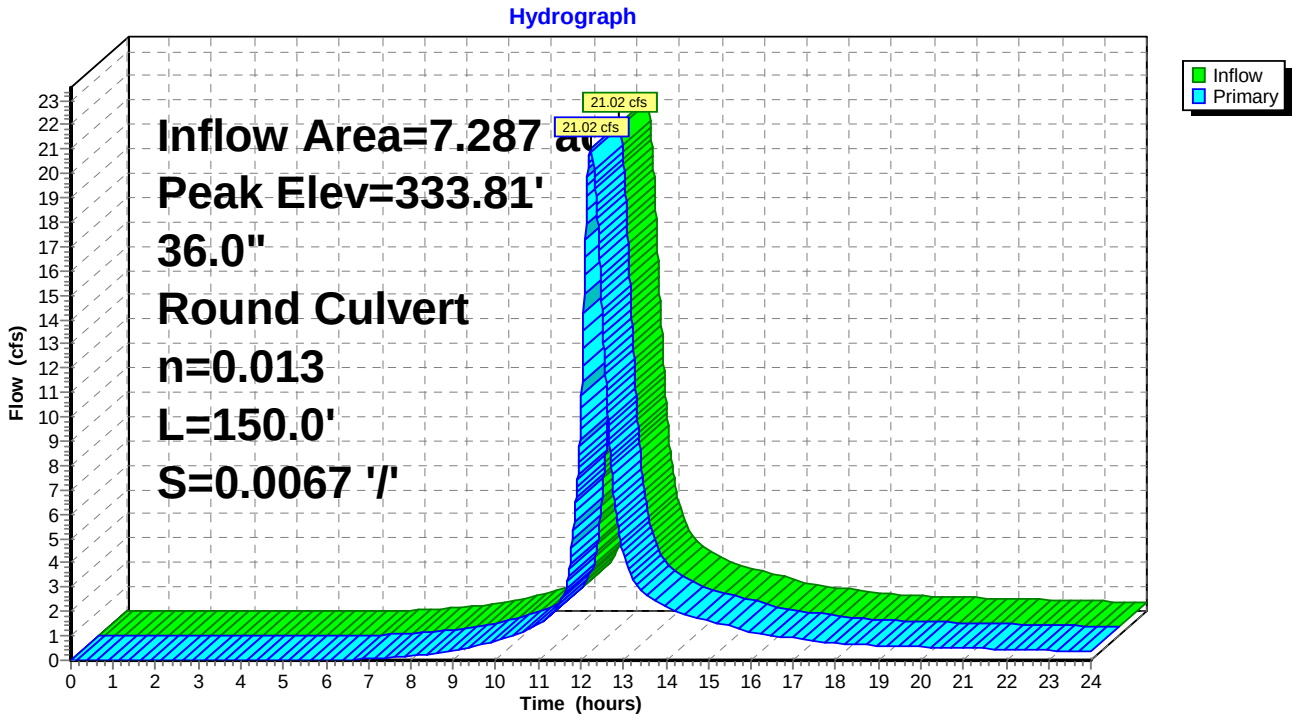
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.81' @ 12.23 hrs
Flood Elev= 337.75'

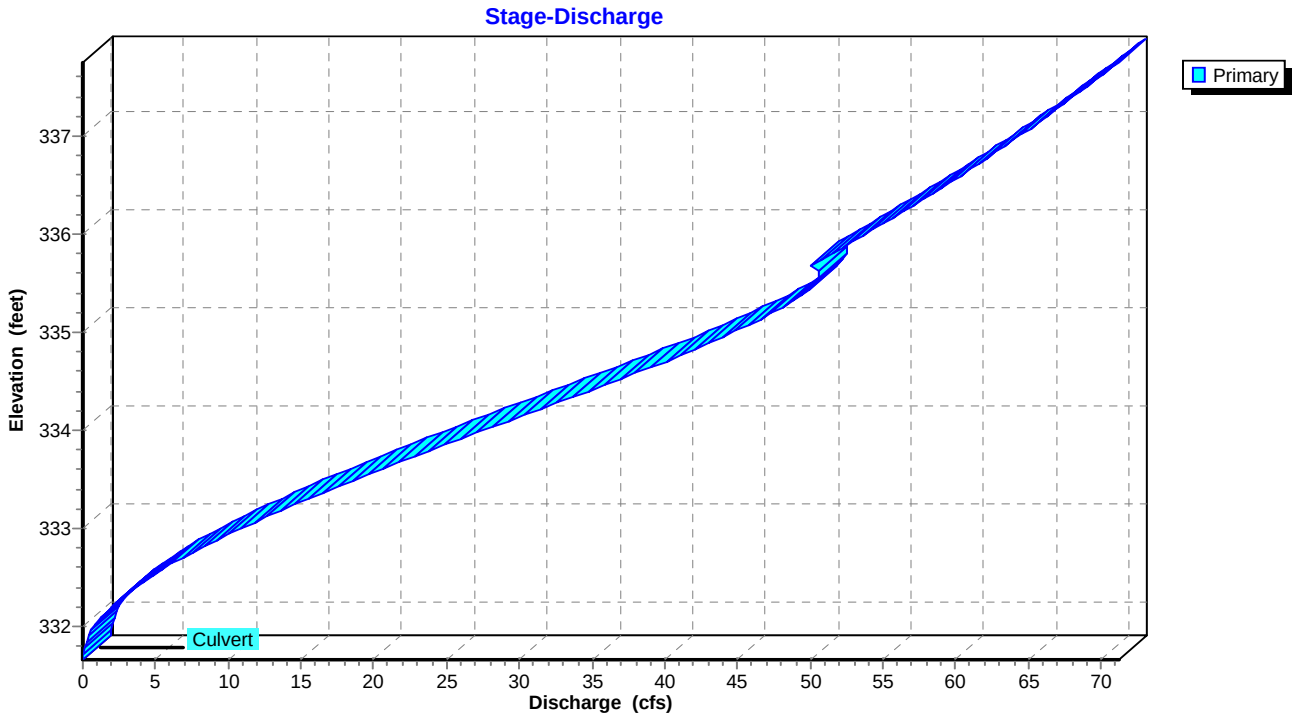
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.03 cfs @ 12.23 hrs HW=333.81' TW=332.65' (Dynamic Tailwater)
1=Culvert (Outlet Controls 21.03 cfs @ 5.45 fps)

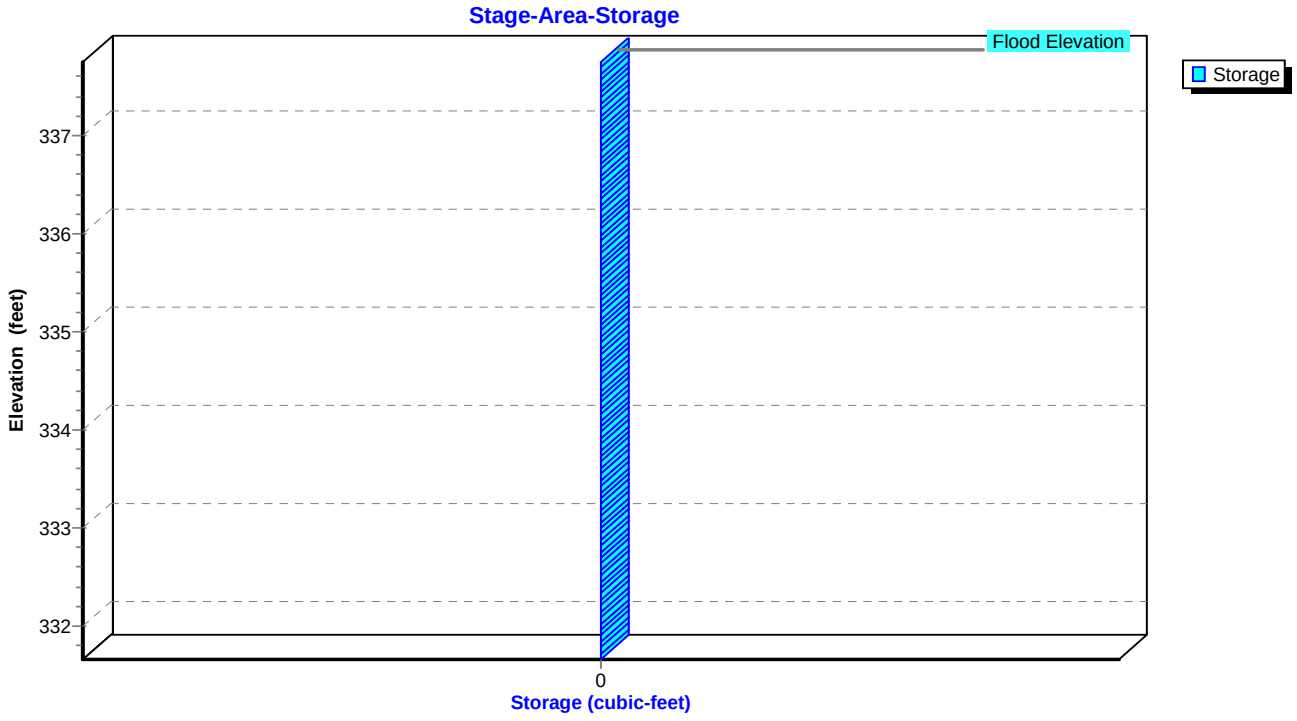
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.69	0.00
6.50	0.01	331.72	0.01
7.00	0.05	331.76	0.05
7.50	0.11	331.80	0.11
8.00	0.17	331.84	0.17
8.50	0.27	331.87	0.27
9.00	0.40	331.92	0.40
9.50	0.58	331.97	0.58
10.00	0.78	332.01	0.78
10.50	1.07	332.07	1.07
11.00	1.48	332.14	1.48
11.50	2.36	332.26	2.36
12.00	**9.89**	**332.98**	**9.89**
12.50	**14.42**	**333.32**	**14.42**
13.00	4.39	332.49	4.39
13.50	2.70	332.30	2.70
14.00	2.19	332.24	2.19
14.50	1.84	332.19	1.84
15.00	1.62	332.16	1.62
15.50	1.39	332.12	1.39
16.00	1.17	332.09	1.17
16.50	1.00	332.06	1.00
17.00	0.90	332.04	0.90
17.50	0.80	332.02	0.80
18.00	0.70	331.99	0.70
18.50	0.63	331.98	0.63
19.00	0.60	331.97	0.60
19.50	0.57	331.96	0.57
20.00	0.54	331.96	0.54
20.50	0.51	331.95	0.51
21.00	0.49	331.94	0.49
21.50	0.47	331.94	0.47
22.00	0.45	331.93	0.45
22.50	0.43	331.92	0.43
23.00	0.40	331.92	0.40
23.50	0.38	331.91	0.38
24.00	0.36	331.90	0.36

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

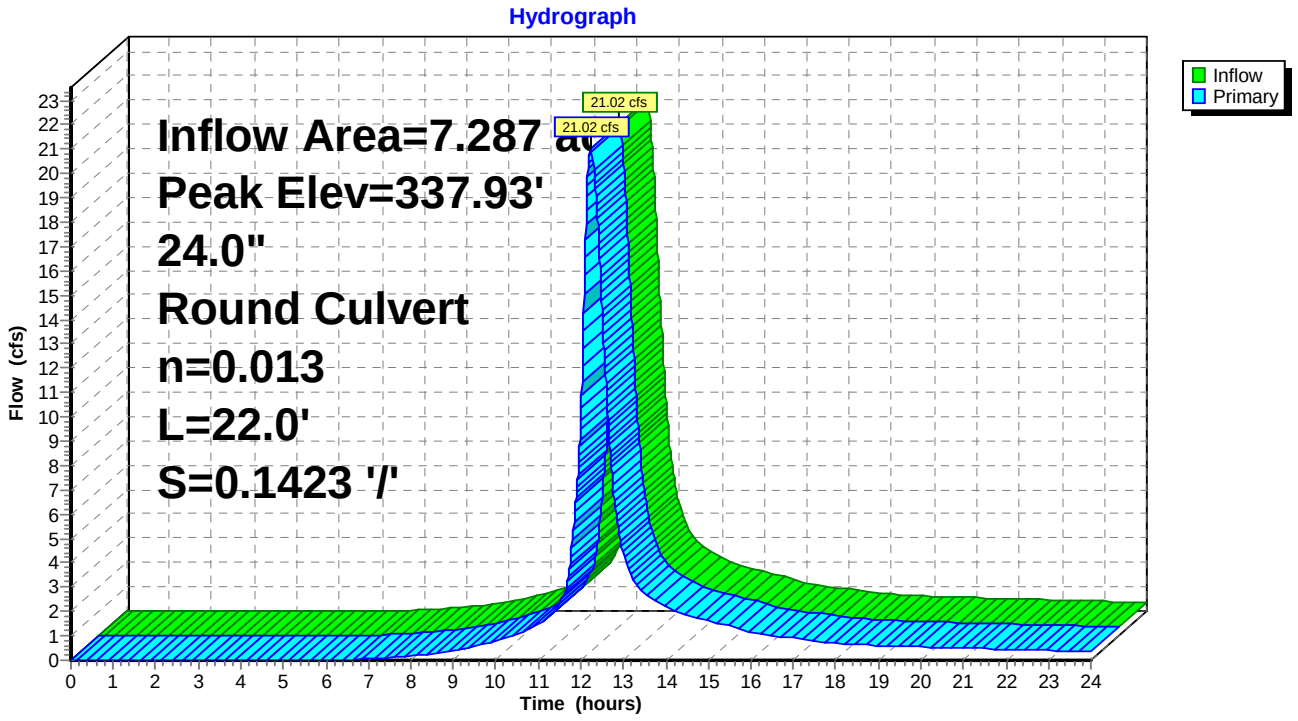
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.93' @ 12.23 hrs
Flood Elev= 339.50'

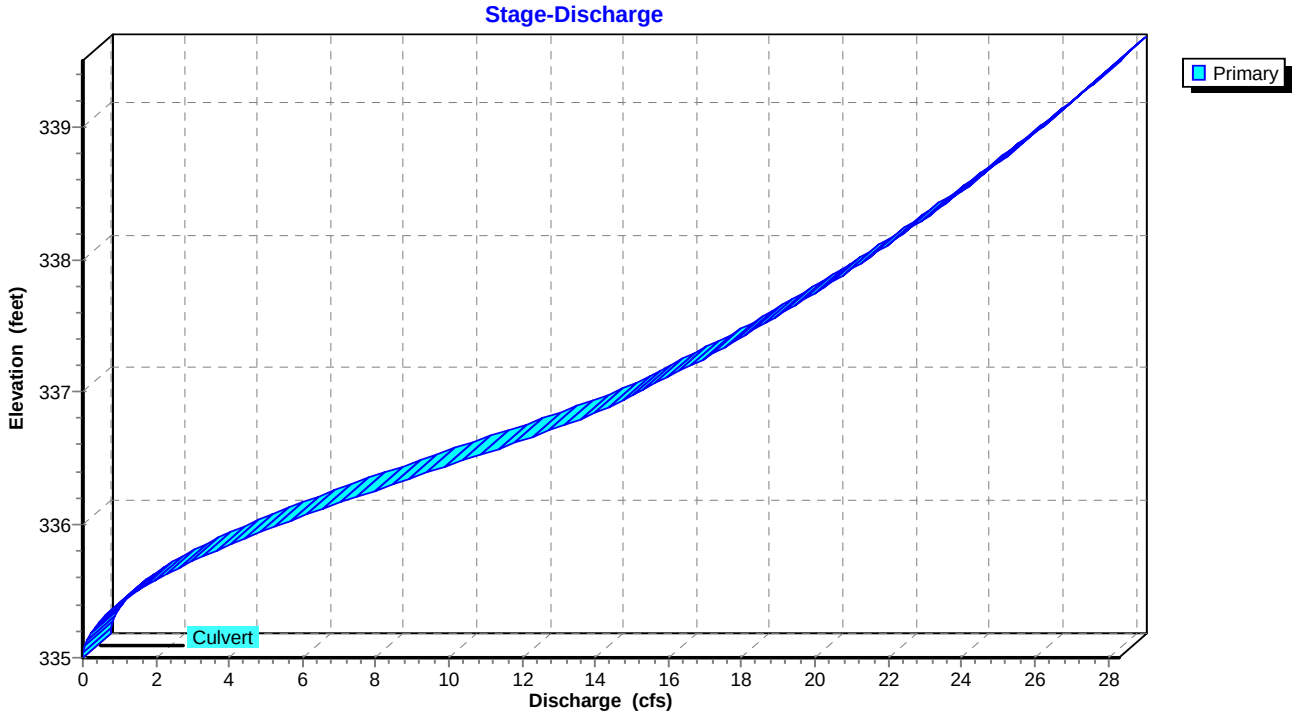
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.02 cfs @ 12.23 hrs HW=337.93' TW=333.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 21.02 cfs @ 6.69 fps)

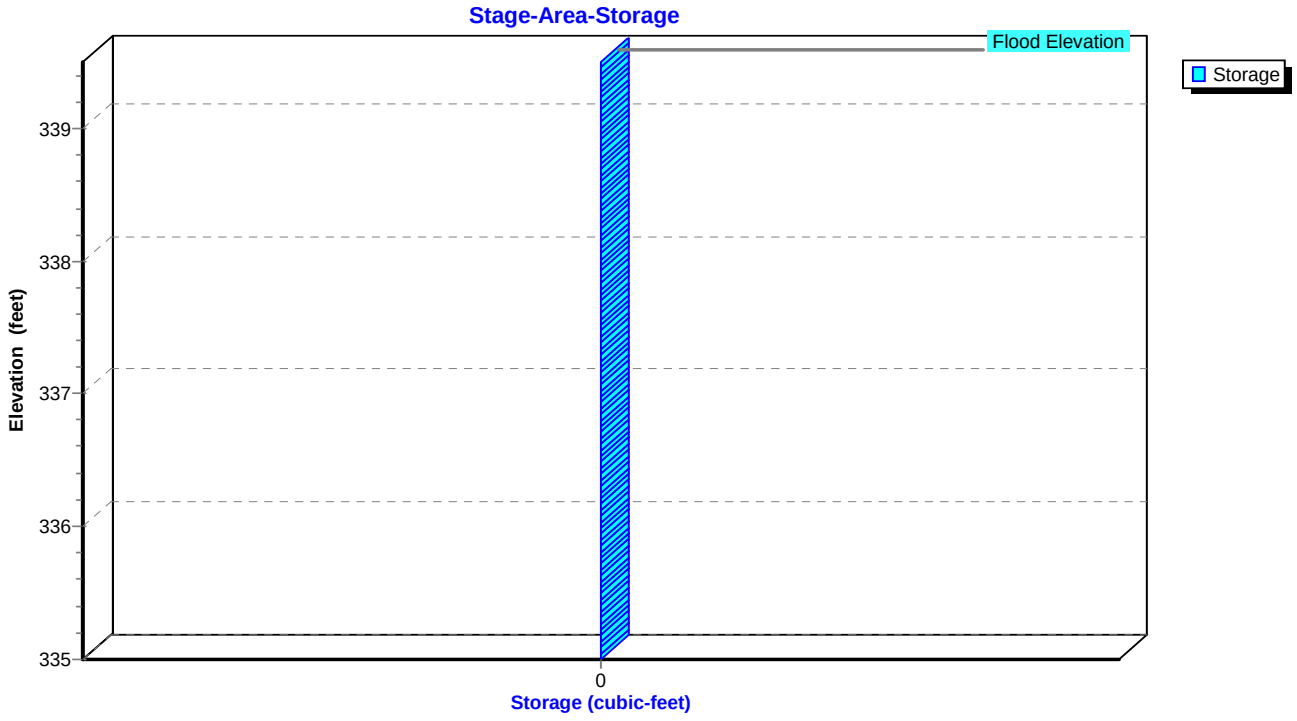
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.02	0.00
6.50	0.01	335.05	0.01
7.00	0.05	335.09	0.05
7.50	0.11	335.13	0.11
8.00	0.17	335.17	0.17
8.50	0.27	335.21	0.27
9.00	0.40	335.26	0.40
9.50	0.58	335.31	0.58
10.00	0.78	335.36	0.78
10.50	1.07	335.42	1.07
11.00	1.48	335.50	1.48
11.50	2.36	335.64	2.36
12.00	**9.89**	**336.44**	**9.89**
12.50	**14.42**	**336.89**	**14.42**
13.00	4.39	335.90	4.39
13.50	2.70	335.69	2.70
14.00	2.19	335.62	2.19
14.50	1.84	335.56	1.84
15.00	1.62	335.52	1.62
15.50	1.39	335.48	1.39
16.00	1.17	335.44	1.17
16.50	1.00	335.41	1.00
17.00	0.90	335.39	0.90
17.50	0.80	335.36	0.80
18.00	0.70	335.34	0.70
18.50	0.63	335.32	0.63
19.00	0.60	335.31	0.60
19.50	0.57	335.31	0.57
20.00	0.54	335.30	0.54
20.50	0.51	335.29	0.51
21.00	0.49	335.28	0.49
21.50	0.47	335.28	0.47
22.00	0.45	335.27	0.45
22.50	0.43	335.26	0.43
23.00	0.40	335.26	0.40
23.50	0.38	335.25	0.38
24.00	0.36	335.24	0.36

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

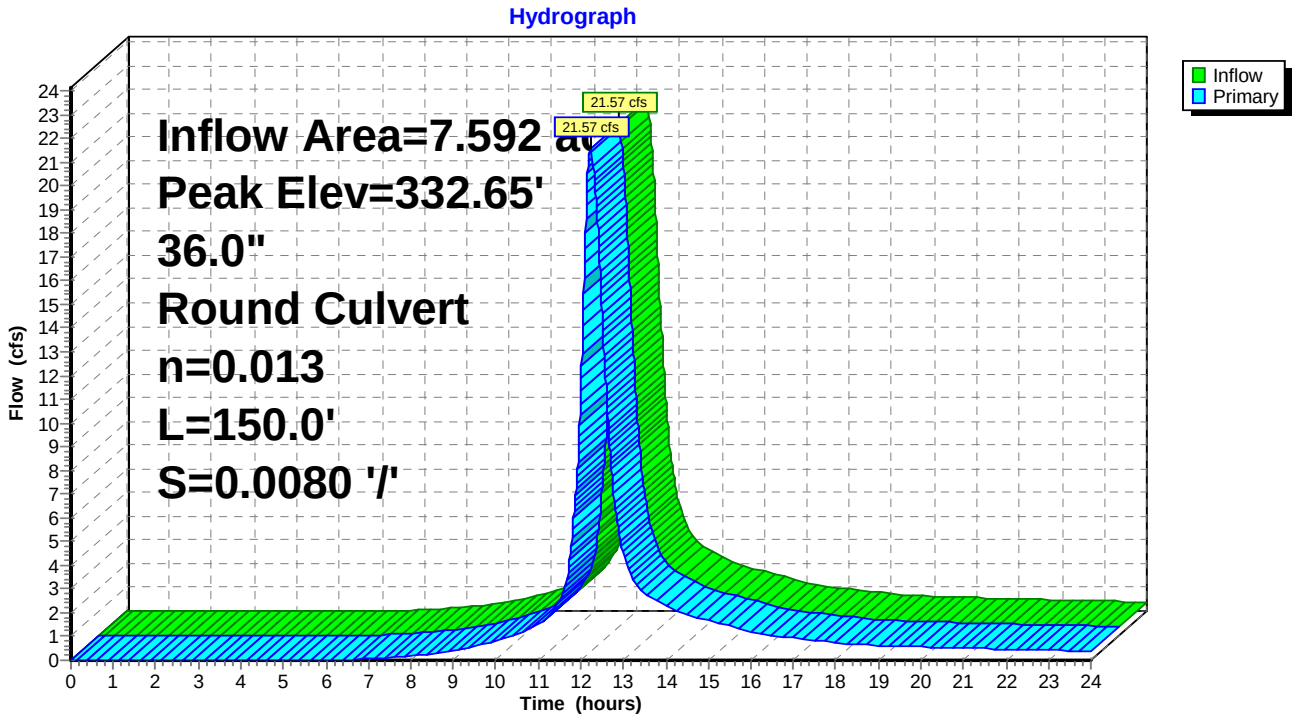
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 3.96" for 25-Year event
Inflow = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af
Outflow = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af, Atten= 0%, Lag= 0.0 min
Primary = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.65' @ 12.22 hrs
Flood Elev= 335.00'

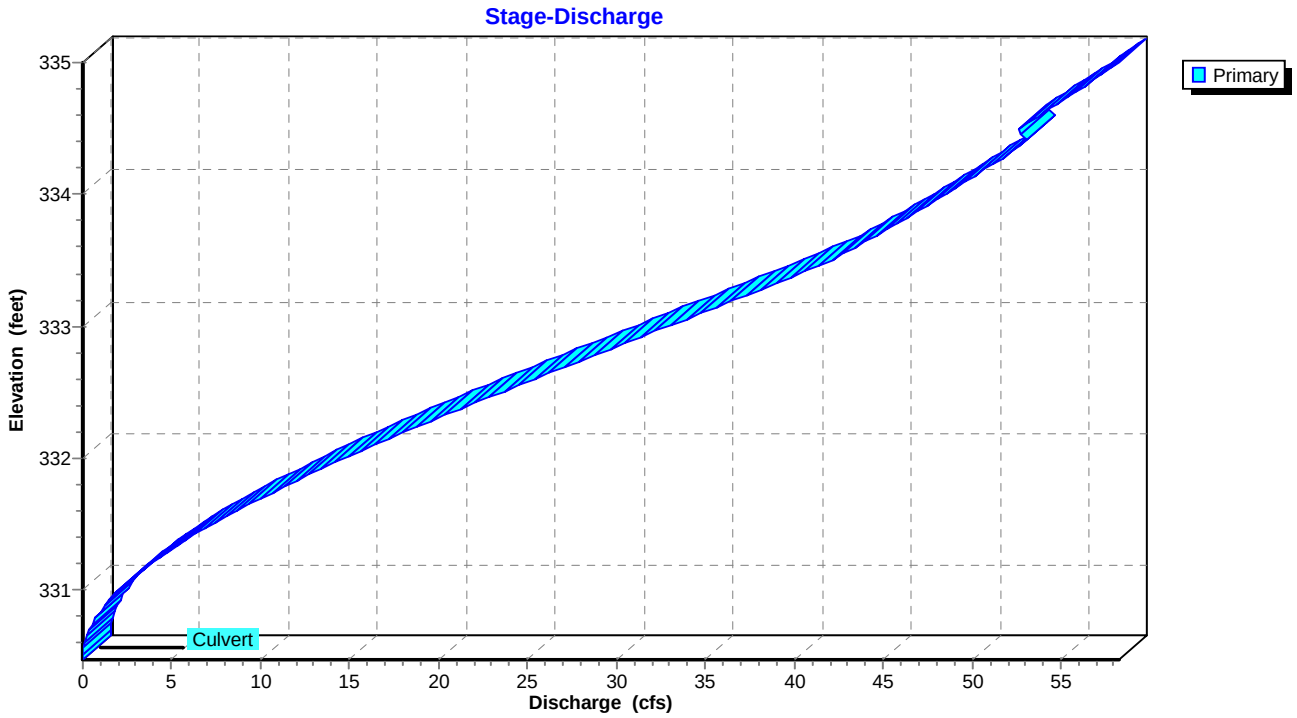
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.63 cfs @ 12.23 hrs HW=332.65' TW=331.47' (Dynamic Tailwater)
1=Culvert (Outlet Controls 21.63 cfs @ 5.50 fps)

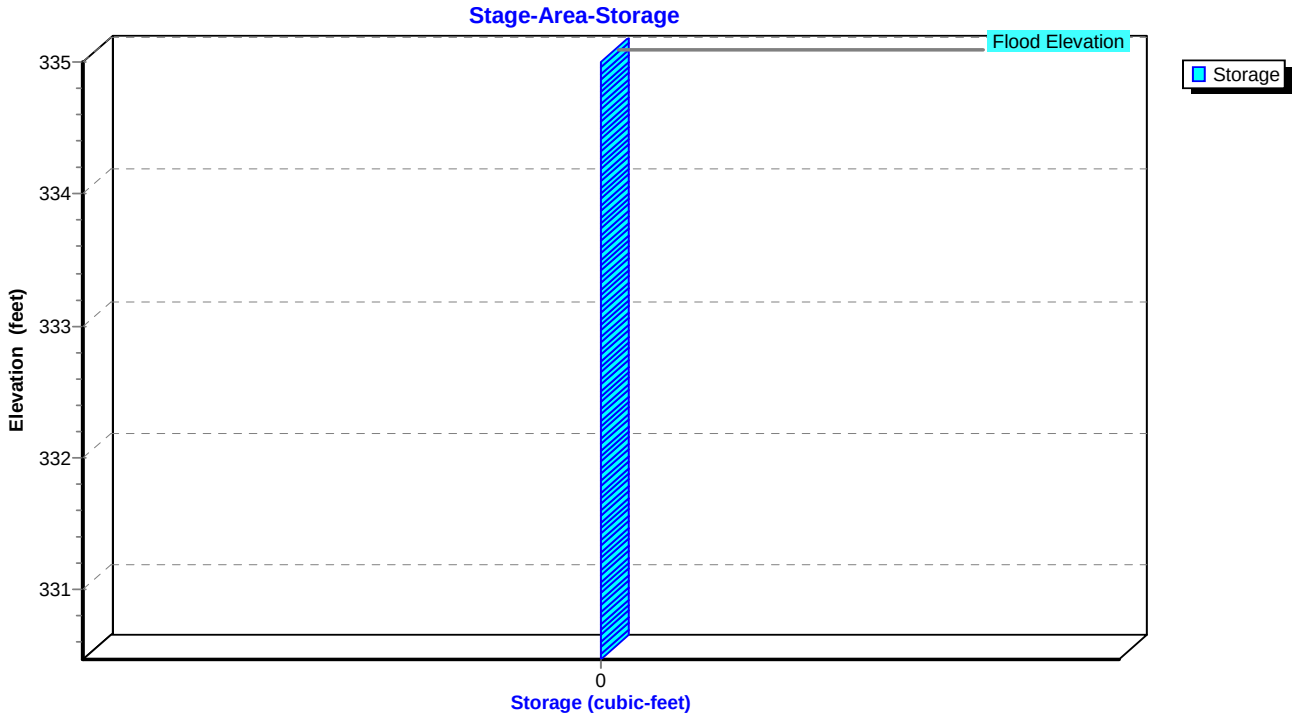
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.49	0.00
6.50	0.01	330.52	0.01
7.00	0.05	330.56	0.05
7.50	0.11	330.60	0.11
8.00	0.18	330.63	0.18
8.50	0.28	330.67	0.28
9.00	0.42	330.71	0.42
9.50	0.60	330.76	0.60
10.00	0.81	330.80	0.81
10.50	1.11	330.86	1.11
11.00	1.54	330.93	1.54
11.50	2.48	331.05	2.48
12.00	**11.35**	**331.85**	**11.35**
12.50	**14.62**	**332.11**	**14.62**
13.00	4.50	331.27	4.50
13.50	2.80	331.09	2.80
14.00	2.27	331.03	2.27
14.50	1.91	330.98	1.91
15.00	1.68	330.95	1.68
15.50	1.44	330.91	1.44
16.00	1.21	330.88	1.21
16.50	1.04	330.85	1.04
17.00	0.93	330.83	0.93
17.50	0.83	330.81	0.83
18.00	0.73	330.79	0.73
18.50	0.66	330.77	0.66
19.00	0.62	330.76	0.62
19.50	0.59	330.76	0.59
20.00	0.56	330.75	0.56
20.50	0.54	330.74	0.54
21.00	0.51	330.74	0.51
21.50	0.49	330.73	0.49
22.00	0.47	330.73	0.47
22.50	0.44	330.72	0.44
23.00	0.42	330.71	0.42
23.50	0.40	330.71	0.40
24.00	0.37	330.70	0.37

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

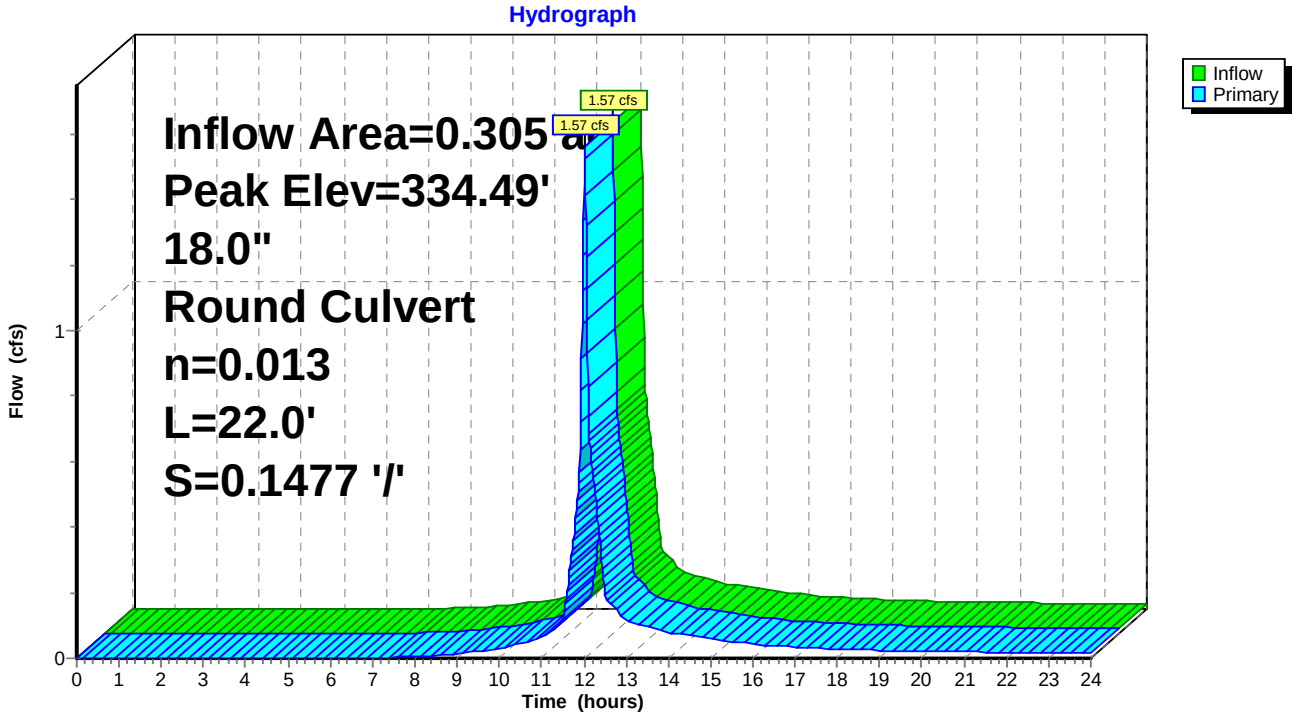
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 3.68" for 25-Year event
Inflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.49' @ 12.02 hrs
Flood Elev= 336.50'

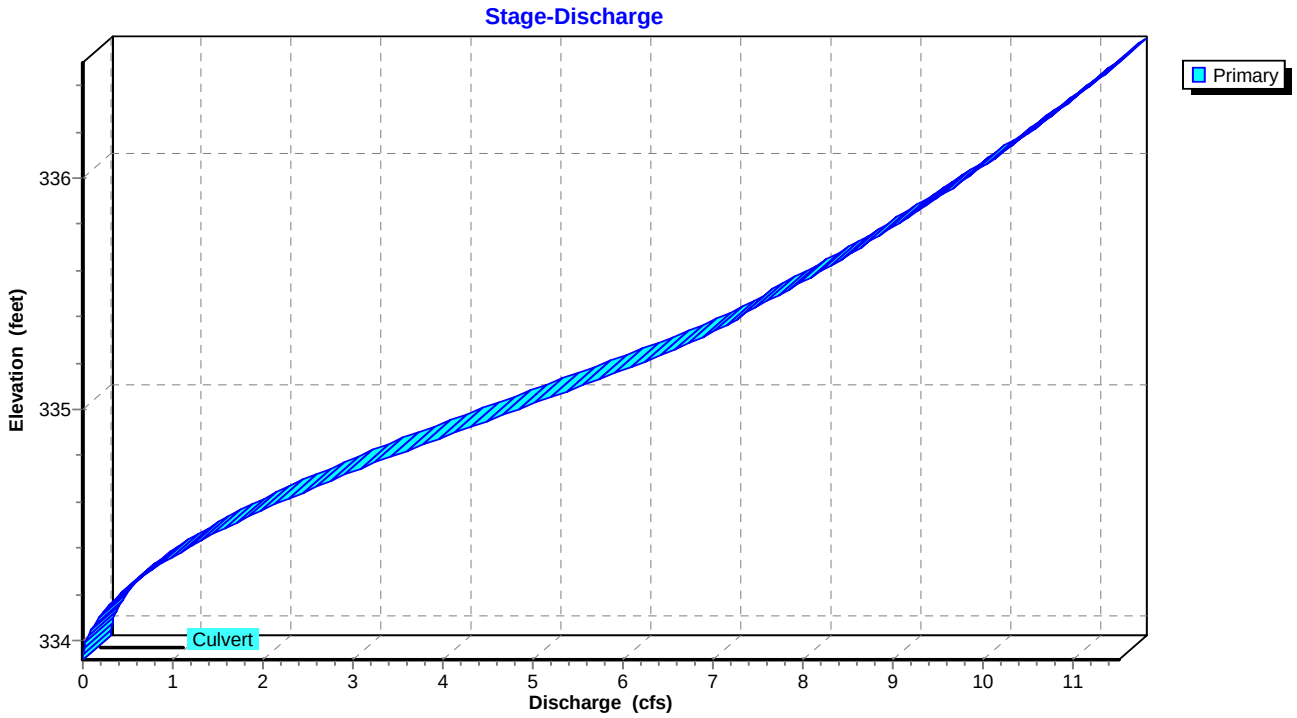
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.56 cfs @ 12.02 hrs HW=334.48' TW=331.92' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.56 cfs @ 2.56 fps)

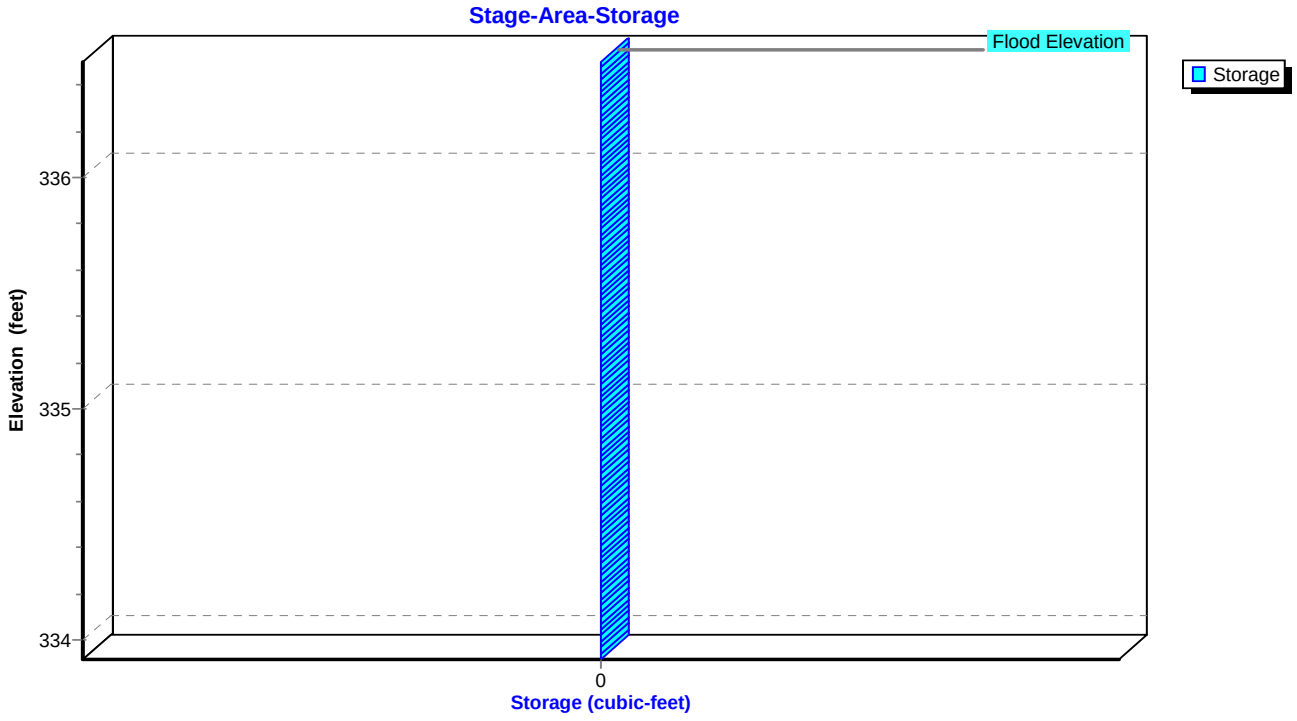
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.93	0.00
7.50	0.00	333.94	0.00
8.00	0.00	333.95	0.00
8.50	0.01	333.96	0.01
9.00	0.01	333.97	0.01
9.50	0.02	333.98	0.02
10.00	0.03	333.99	0.03
10.50	0.04	334.01	0.04
11.00	0.06	334.03	0.06
11.50	0.12	334.07	0.12
12.00	**1.45**	**334.46**	**1.45**
12.50	**0.20**	**334.11**	**0.20**
13.00	0.12	334.07	0.12
13.50	0.10	334.05	0.10
14.00	0.08	334.04	0.08
14.50	0.07	334.03	0.07
15.00	0.06	334.03	0.06
15.50	0.05	334.02	0.05
16.00	0.04	334.01	0.04
16.50	0.04	334.00	0.04
17.00	0.03	334.00	0.03
17.50	0.03	333.99	0.03
18.00	0.03	333.99	0.03
18.50	0.02	333.99	0.02
19.00	0.02	333.99	0.02
19.50	0.02	333.98	0.02
20.00	0.02	333.98	0.02
20.50	0.02	333.98	0.02
21.00	0.02	333.98	0.02
21.50	0.02	333.98	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.97	0.02
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

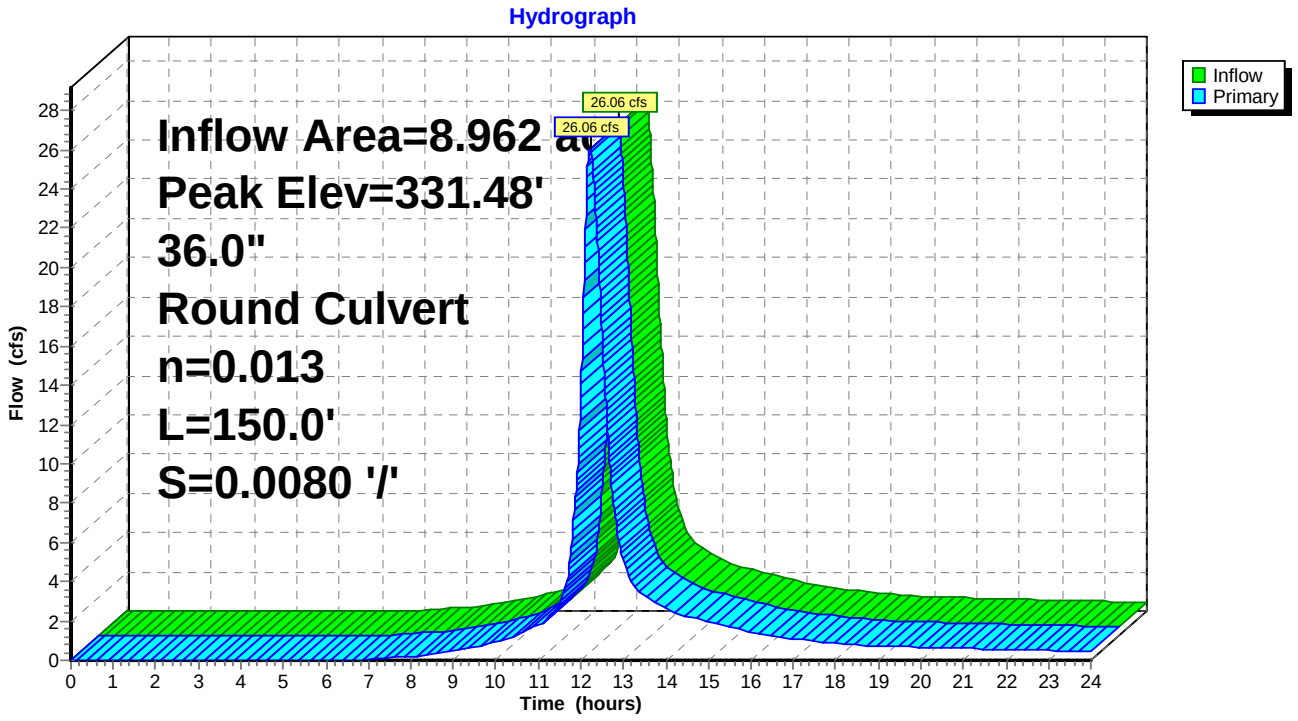
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.91" for 25-Year event
Inflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af
Outflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af, Atten= 0%, Lag= 0.0 min
Primary = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.48' @ 12.20 hrs
Flood Elev= 337.00'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

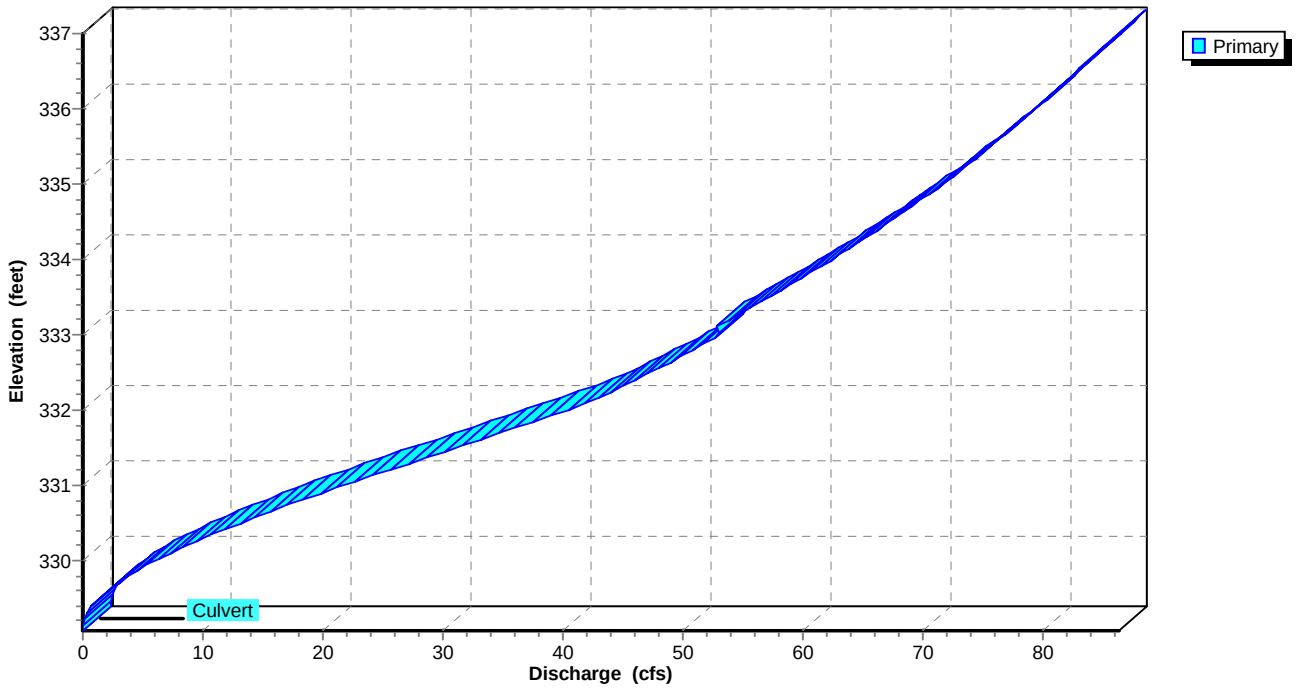
Primary OutFlow Max=26.14 cfs @ 12.21 hrs HW=331.47' TW=330.16' (Dynamic Tailwater)
1=Culvert (Outlet Controls 26.14 cfs @ 5.89 fps)

Pond CB6: Catchbasin



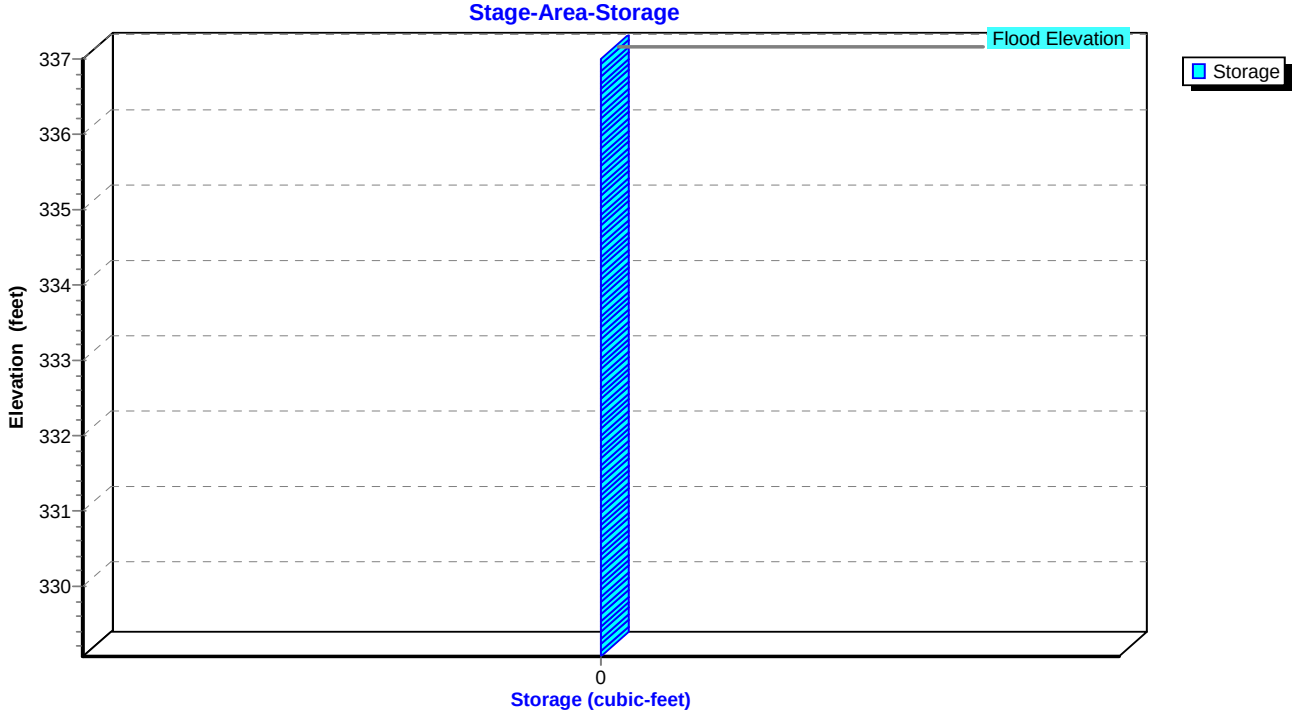
Pond CB6: Catchbasin

Stage-Discharge



Pond CB6: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.09	0.00
6.50	0.01	329.12	0.01
7.00	0.05	329.16	0.05
7.50	0.12	329.20	0.12
8.00	0.20	329.24	0.20
8.50	0.31	329.28	0.31
9.00	0.48	329.33	0.48
9.50	0.68	329.38	0.68
10.00	0.93	329.43	0.93
10.50	1.29	329.49	1.29
11.00	1.79	329.56	1.79
11.50	2.90	329.70	2.90
12.00	**13.42**	**330.60**	**13.42**
12.50	**16.69**	**330.82**	**16.69**
13.00	5.14	329.93	5.14
13.50	3.26	329.74	3.26
14.00	2.65	329.67	2.65
14.50	2.23	329.62	2.23
15.00	1.96	329.59	1.96
15.50	1.69	329.55	1.69
16.00	1.41	329.51	1.41
16.50	1.22	329.48	1.22
17.00	1.09	329.46	1.09
17.50	0.97	329.43	0.97
18.00	0.85	329.41	0.85
18.50	0.77	329.40	0.77
19.00	0.73	329.39	0.73
19.50	0.70	329.38	0.70
20.00	0.66	329.37	0.66
20.50	0.63	329.37	0.63
21.00	0.60	329.36	0.60
21.50	0.57	329.35	0.57
22.00	0.55	329.35	0.55
22.50	0.52	329.34	0.52
23.00	0.49	329.33	0.49
23.50	0.46	329.32	0.46
24.00	0.44	329.32	0.44

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

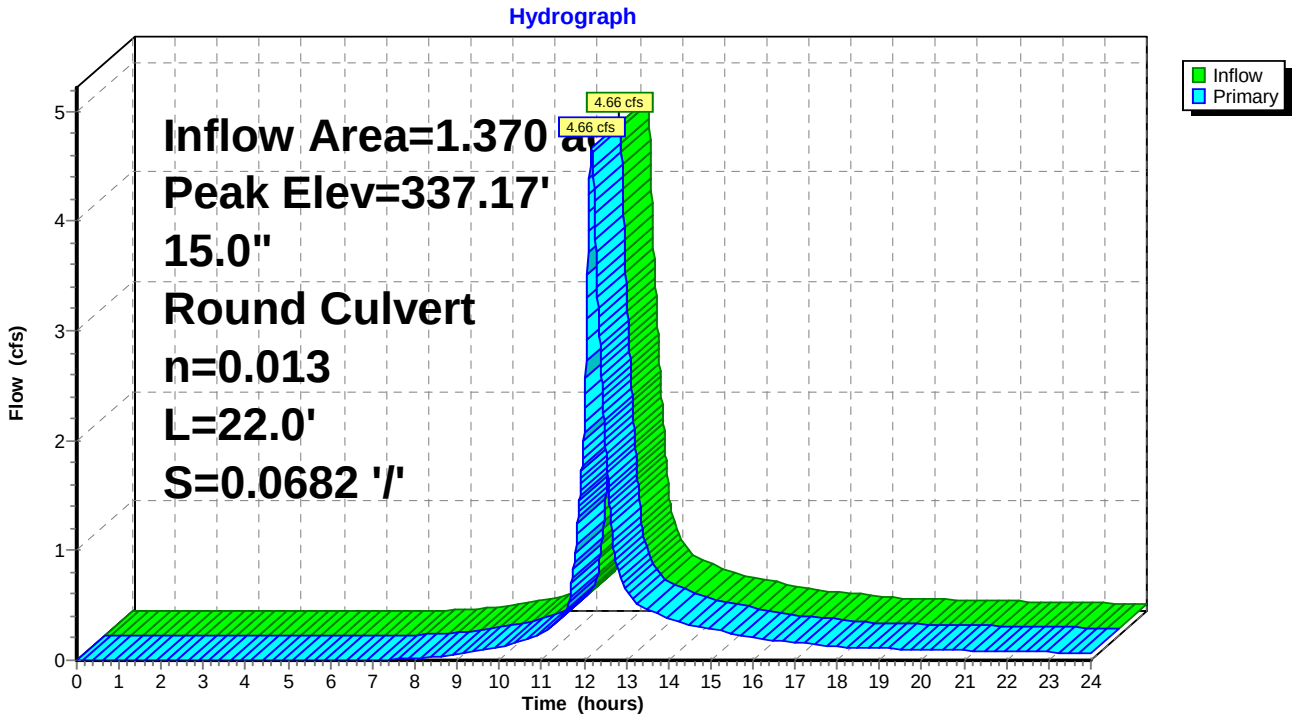
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af
Outflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af, Atten= 0%, Lag= 0.0 min
Primary = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.17' @ 12.18 hrs
Flood Elev= 338.50'

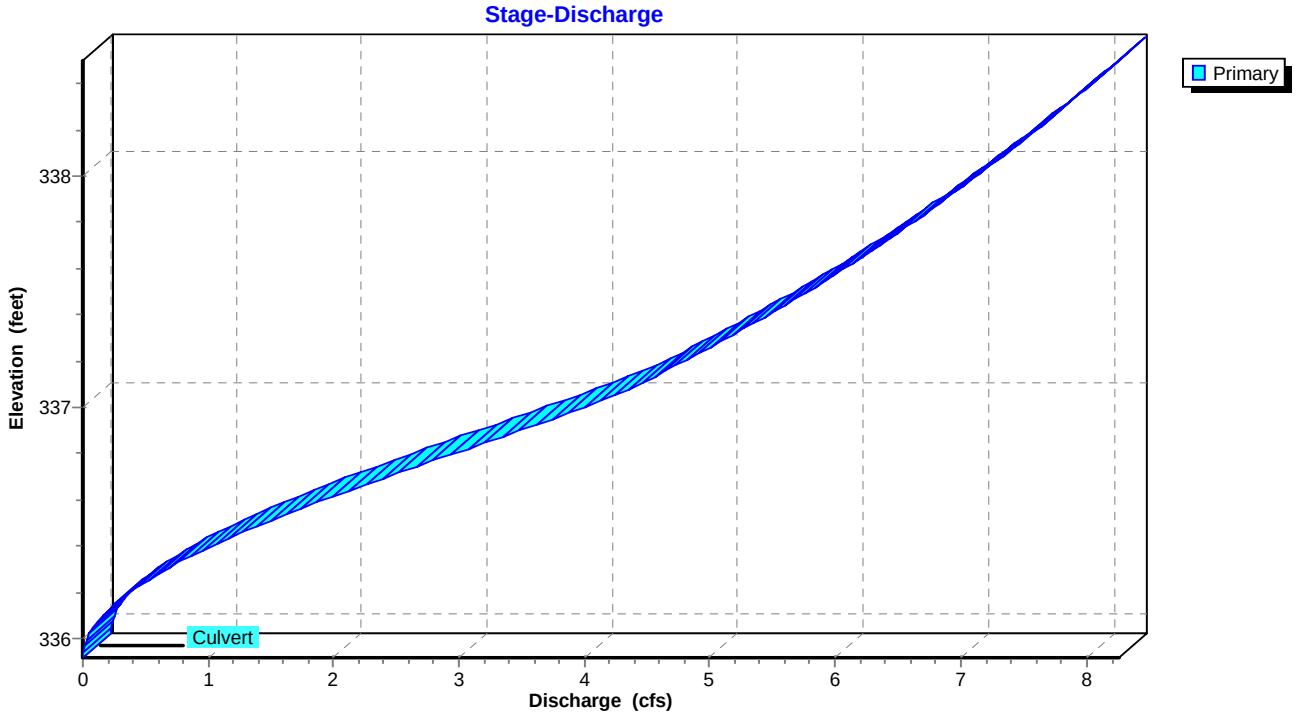
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.66 cfs @ 12.18 hrs HW=337.16' TW=331.47' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.66 cfs @ 3.80 fps)

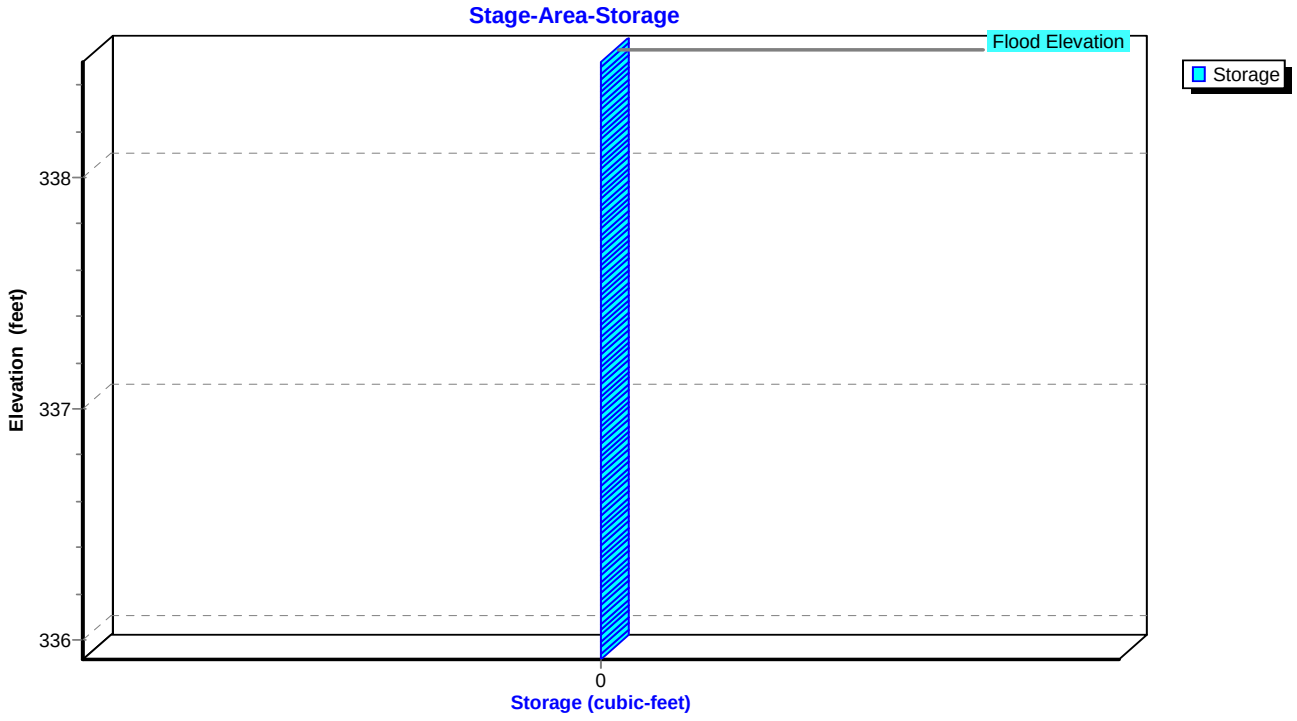
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.01	335.96	0.01
8.00	0.02	335.98	0.02
8.50	0.03	336.00	0.03
9.00	0.06	336.03	0.06
9.50	0.08	336.05	0.08
10.00	0.12	336.08	0.12
10.50	0.17	336.11	0.17
11.00	0.25	336.15	0.25
11.50	0.42	336.22	0.42
12.00	**2.08**	**336.63**	**2.08**
12.50	**2.07**	**336.63**	**2.07**
13.00	0.64	336.29	0.64
13.50	0.46	336.23	0.46
14.00	0.38	336.20	0.38
14.50	0.32	336.18	0.32
15.00	0.29	336.16	0.29
15.50	0.25	336.15	0.25
16.00	0.20	336.13	0.20
16.50	0.18	336.11	0.18
17.00	0.16	336.10	0.16
17.50	0.14	336.09	0.14
18.00	0.12	336.08	0.12
18.50	0.11	336.07	0.11
19.00	0.11	336.07	0.11
19.50	0.10	336.07	0.10
20.00	0.10	336.06	0.10
20.50	0.09	336.06	0.09
21.00	0.09	336.05	0.09
21.50	0.08	336.05	0.08
22.00	0.08	336.05	0.08
22.50	0.08	336.05	0.08
23.00	0.07	336.04	0.07
23.50	0.07	336.04	0.07
24.00	0.06	336.03	0.06

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

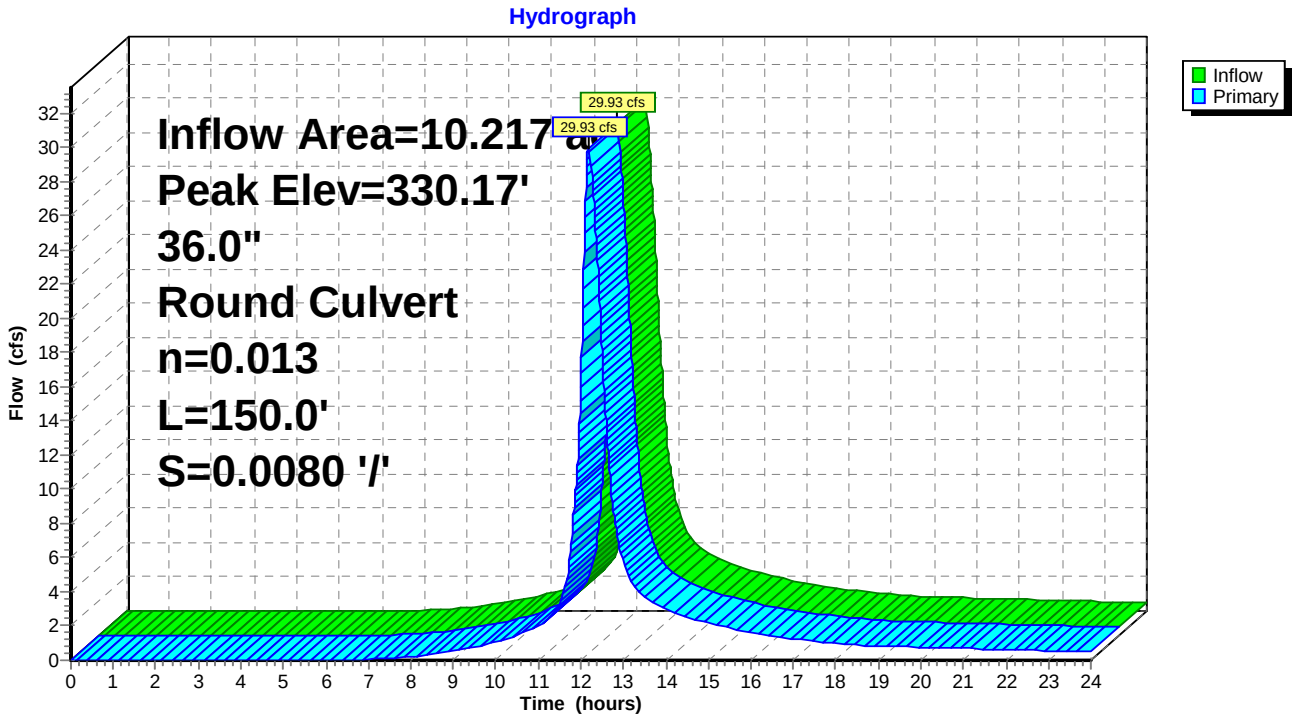
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af
Outflow = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af, Atten= 0%, Lag= 0.0 min
Primary = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.17' @ 12.19 hrs
Flood Elev= 335.75'

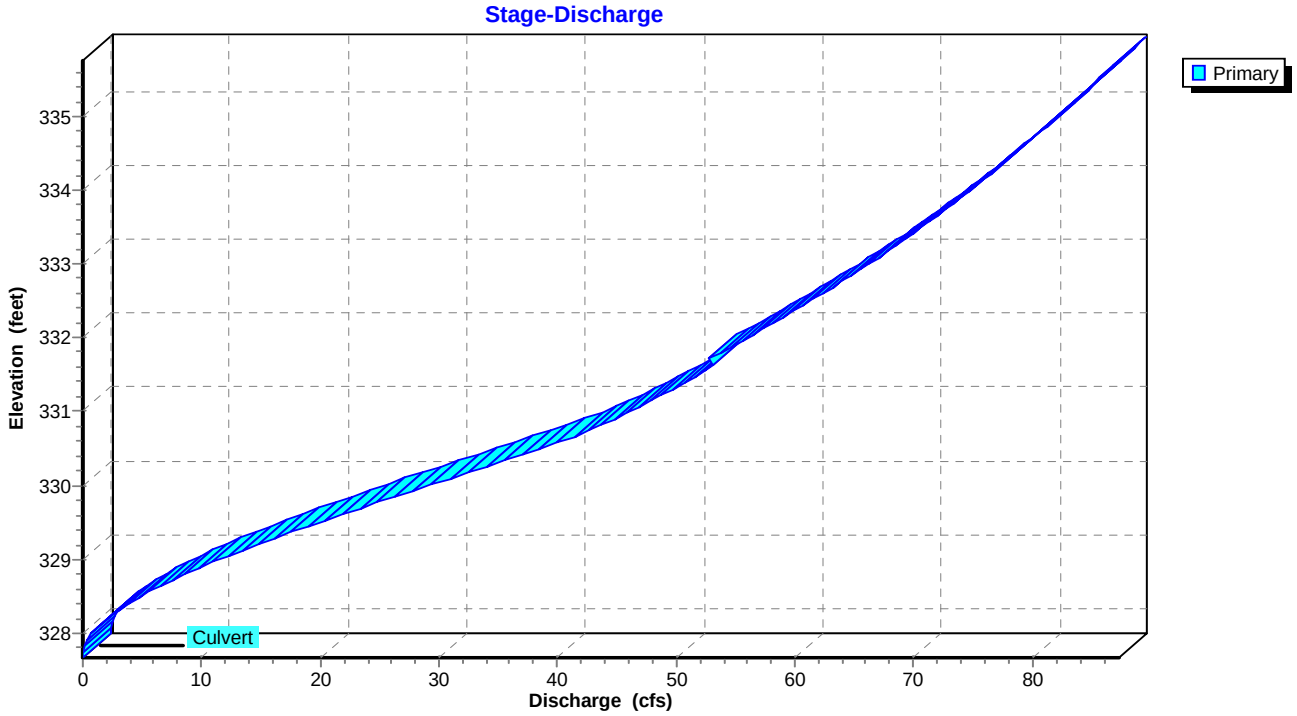
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.90 cfs @ 12.18 hrs HW=330.17' TW=328.62' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 29.90 cfs @ 6.43 fps)

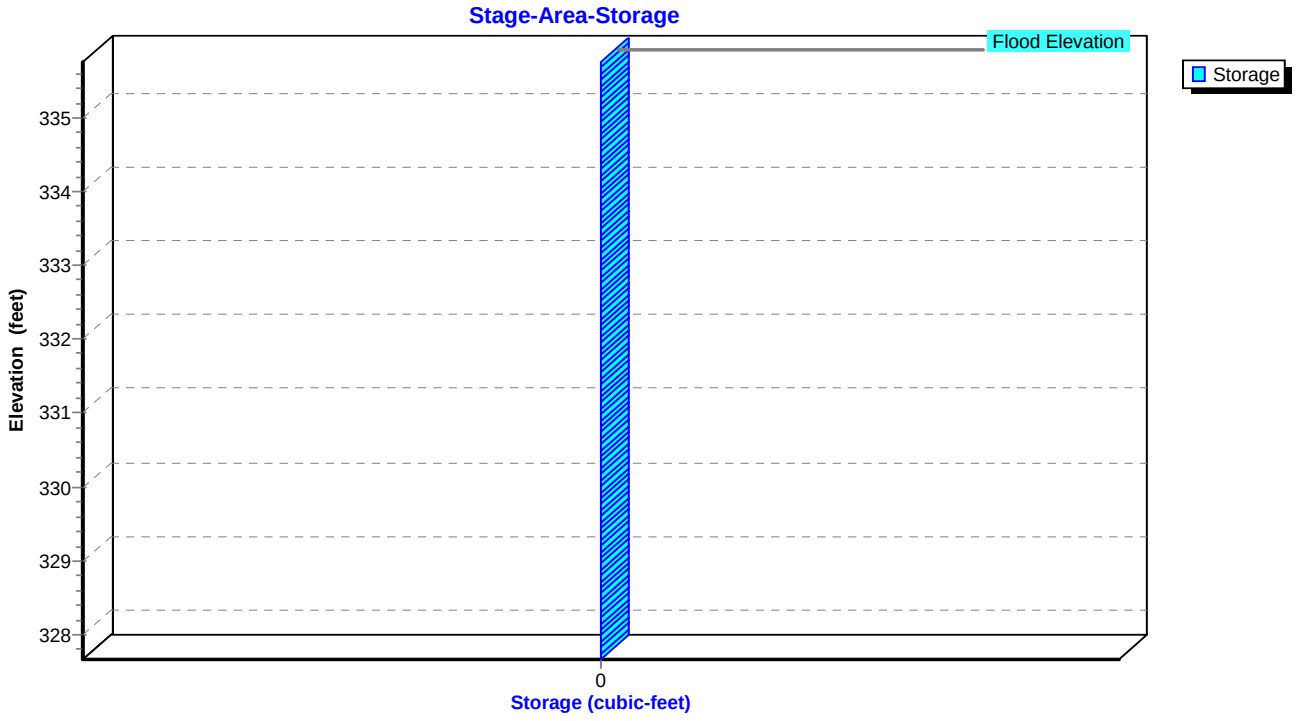
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.69	0.00
6.50	0.01	327.72	0.01
7.00	0.05	327.76	0.05
7.50	0.12	327.81	0.12
8.00	0.21	327.85	0.21
8.50	0.34	327.89	0.34
9.00	0.53	327.94	0.53
9.50	0.77	327.99	0.77
10.00	1.05	328.05	1.05
10.50	1.45	328.12	1.45
11.00	2.03	328.20	2.03
11.50	3.32	328.35	3.32
12.00	**15.98**	**329.34**	**15.98**
12.50	**18.13**	**329.46**	**18.13**
13.00	5.68	328.58	5.68
13.50	3.67	328.38	3.67
14.00	2.99	328.31	2.99
14.50	2.53	328.26	2.53
15.00	2.22	328.22	2.22
15.50	1.91	328.18	1.91
16.00	1.60	328.14	1.60
16.50	1.38	328.10	1.38
17.00	1.24	328.08	1.24
17.50	1.10	328.06	1.10
18.00	0.96	328.03	0.96
18.50	0.87	328.02	0.87
19.00	0.83	328.01	0.83
19.50	0.79	328.00	0.79
20.00	0.75	327.99	0.75
20.50	0.71	327.98	0.71
21.00	0.68	327.98	0.68
21.50	0.65	327.97	0.65
22.00	0.62	327.96	0.62
22.50	0.59	327.96	0.59
23.00	0.56	327.95	0.56
23.50	0.53	327.94	0.53
24.00	0.50	327.93	0.50

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

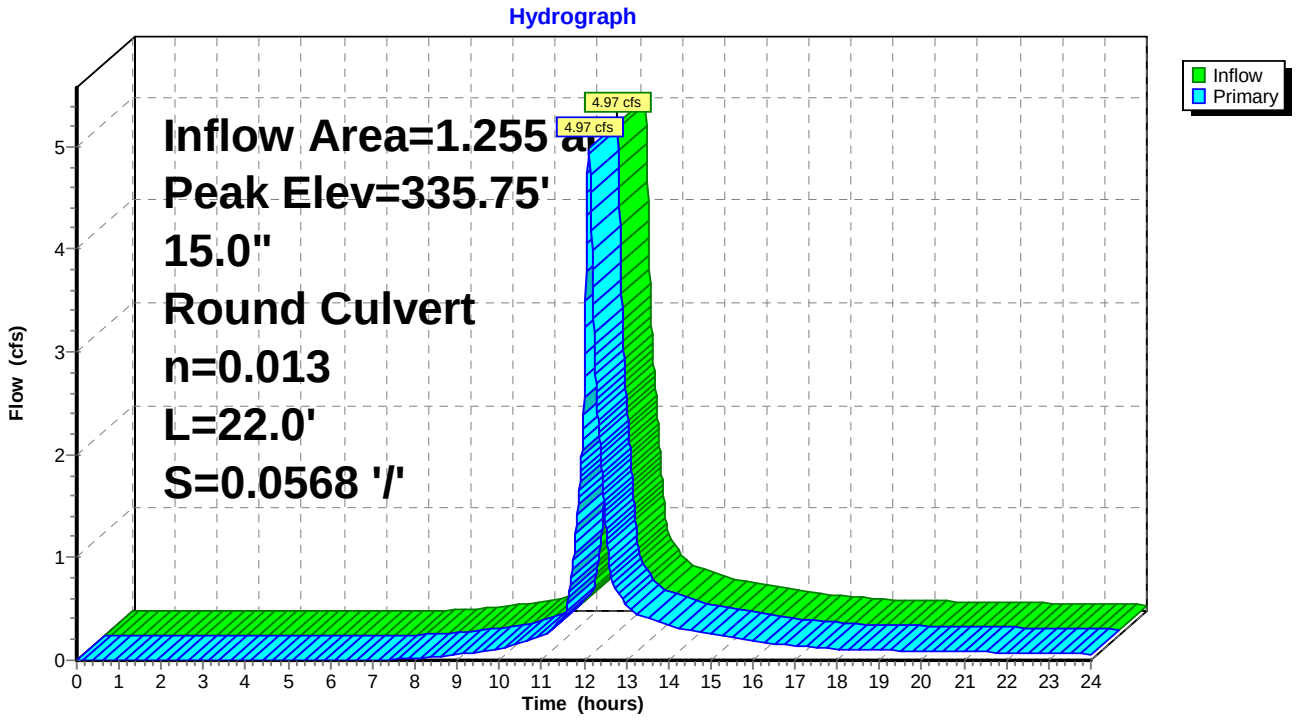
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af
Outflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.75' @ 12.12 hrs
Flood Elev= 337.00'

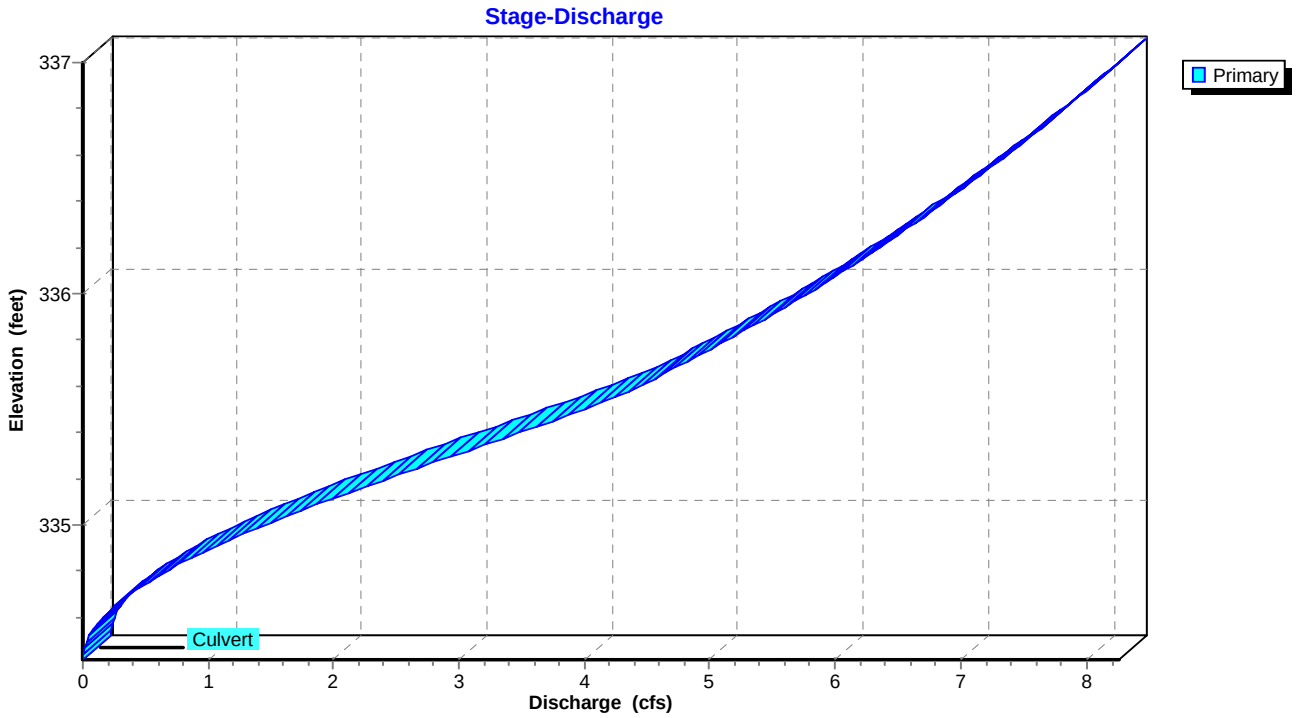
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.97 cfs @ 12.12 hrs HW=335.75' TW=330.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.97 cfs @ 4.05 fps)

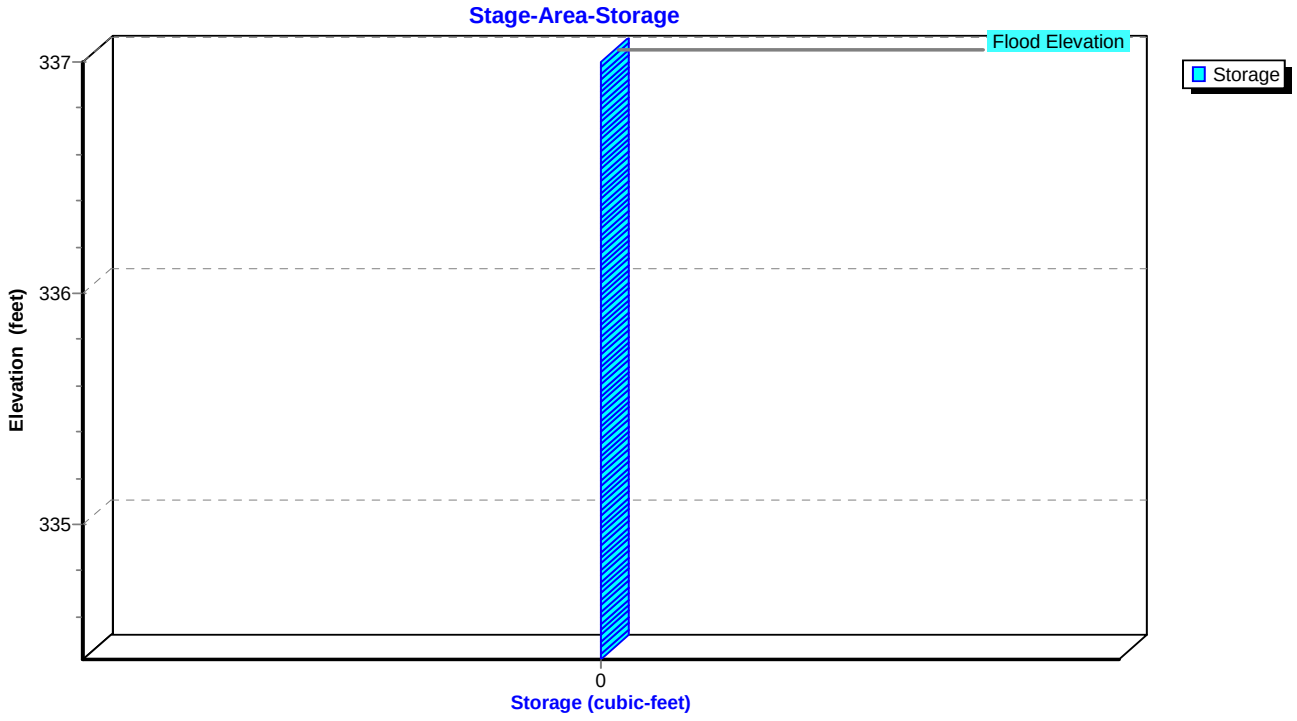
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.01	334.46	0.01
8.00	0.02	334.48	0.02
8.50	0.03	334.50	0.03
9.00	0.05	334.53	0.05
9.50	0.08	334.55	0.08
10.00	0.12	334.57	0.12
10.50	0.17	334.61	0.17
11.00	0.24	334.64	0.24
11.50	0.42	334.72	0.42
12.00	**2.56**	**335.23**	**2.56**
12.50	**1.44**	**335.00**	**1.44**
13.00	0.54	334.76	0.54
13.50	0.41	334.72	0.41
14.00	0.34	334.69	0.34
14.50	0.29	334.67	0.29
15.00	0.26	334.65	0.26
15.50	0.22	334.63	0.22
16.00	0.18	334.61	0.18
16.50	0.16	334.60	0.16
17.00	0.14	334.59	0.14
17.50	0.13	334.58	0.13
18.00	0.11	334.57	0.11
18.50	0.10	334.57	0.10
19.00	0.10	334.56	0.10
19.50	0.09	334.56	0.09
20.00	0.09	334.55	0.09
20.50	0.08	334.55	0.08
21.00	0.08	334.55	0.08
21.50	0.08	334.55	0.08
22.00	0.07	334.54	0.07
22.50	0.07	334.54	0.07
23.00	0.07	334.54	0.07
23.50	0.06	334.53	0.06
24.00	0.06	334.53	0.06

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

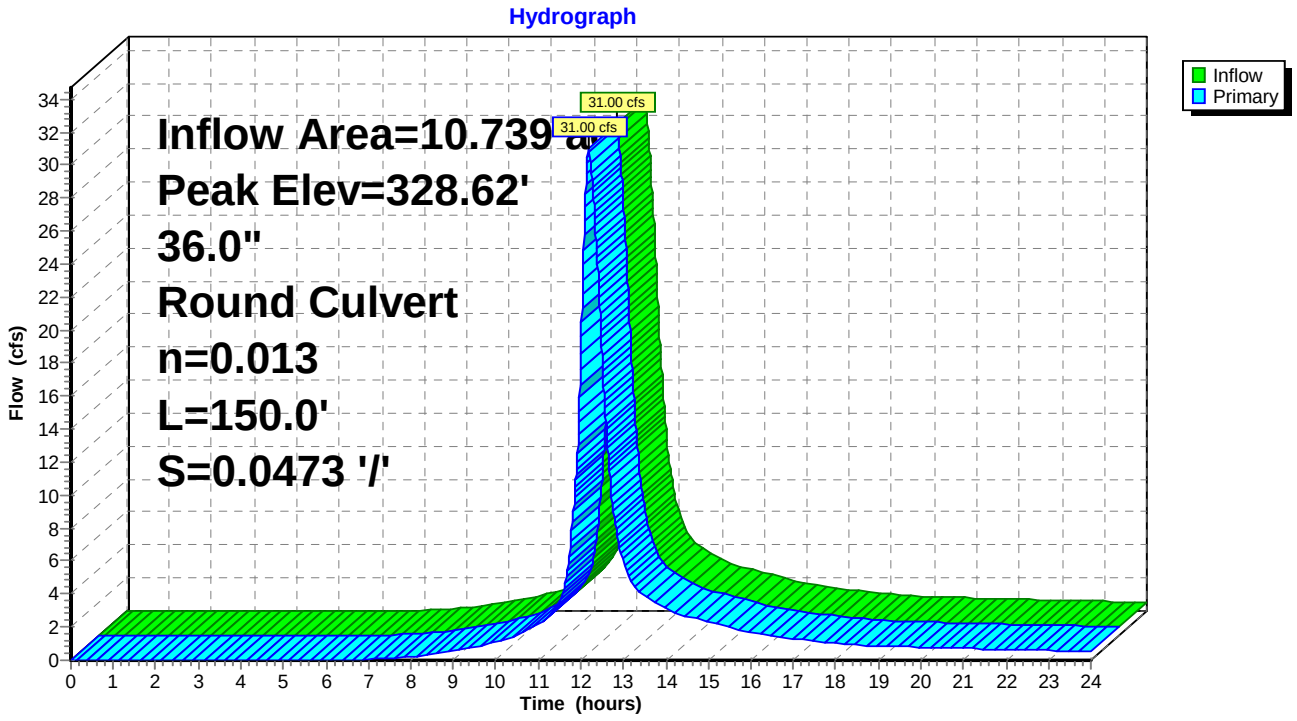
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af
Outflow = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af, Atten= 0%, Lag= 0.0 min
Primary = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.62' @ 12.18 hrs
Flood Elev= 332.25'

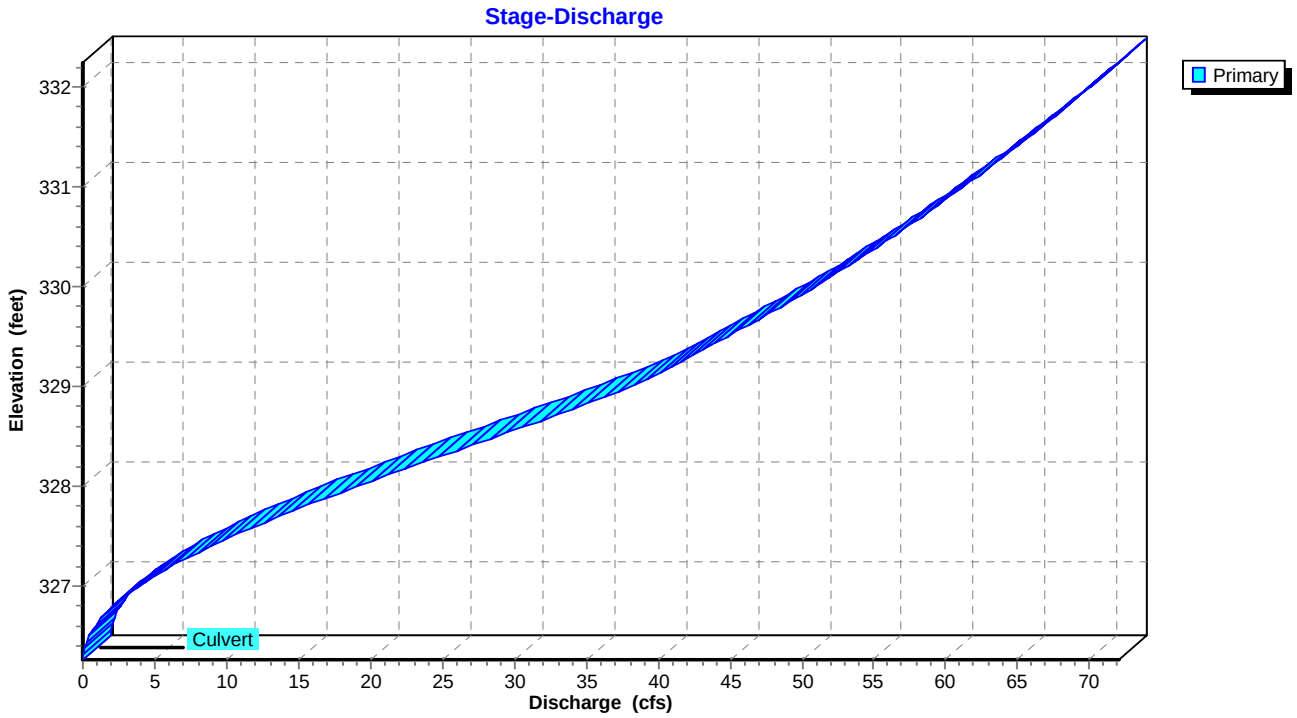
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=31.00 cfs @ 12.18 hrs HW=328.62' TW=321.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 31.00 cfs @ 5.22 fps)

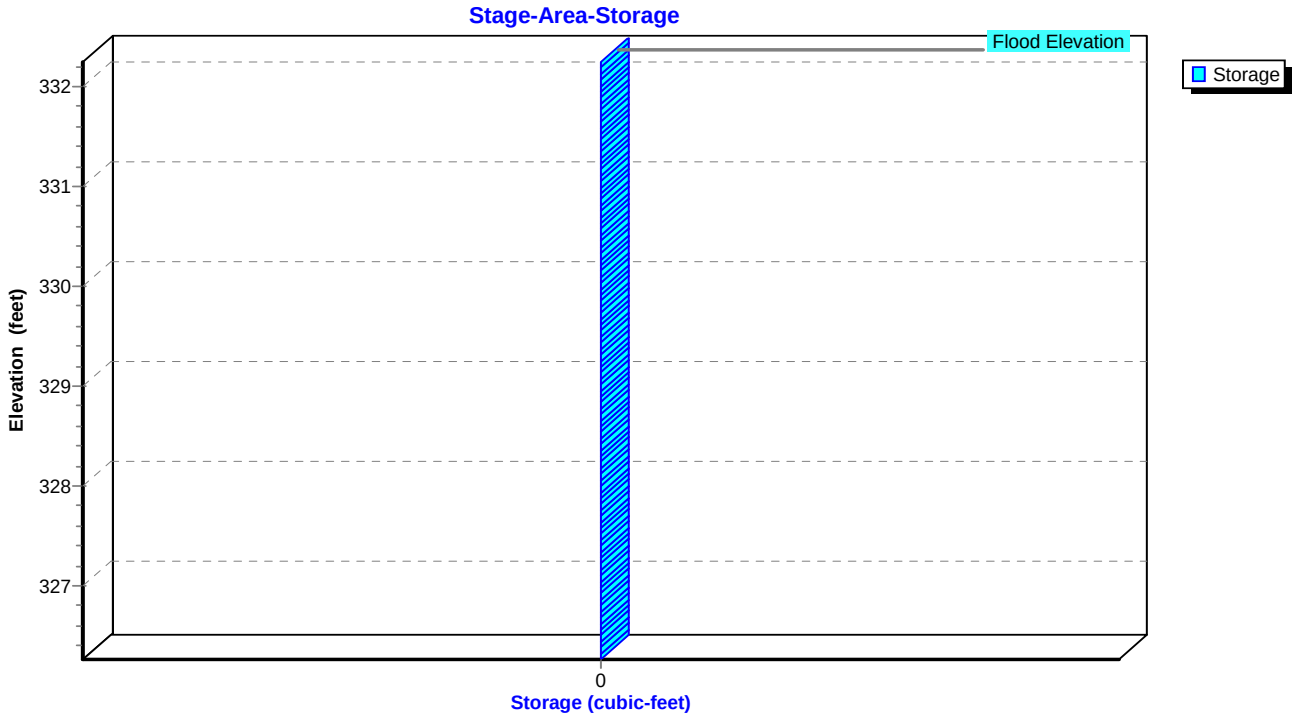
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.29	0.00
6.50	0.01	326.31	0.01
7.00	0.06	326.35	0.06
7.50	0.13	326.40	0.13
8.00	0.23	326.44	0.23
8.50	0.36	326.49	0.36
9.00	0.56	326.54	0.56
9.50	0.81	326.60	0.81
10.00	1.11	326.65	1.11
10.50	1.54	326.72	1.54
11.00	2.14	326.81	2.14
11.50	3.53	326.97	3.53
12.00	**18.57**	**327.98**	**18.57**
12.50	**18.49**	**327.98**	**18.49**
13.00	5.89	327.18	5.89
13.50	3.84	327.00	3.84
14.00	3.13	326.92	3.13
14.50	2.65	326.87	2.65
15.00	2.32	326.83	2.32
15.50	2.00	326.79	2.00
16.00	1.67	326.74	1.67
16.50	1.44	326.71	1.44
17.00	1.30	326.68	1.30
17.50	1.15	326.66	1.15
18.00	1.01	326.63	1.01
18.50	0.92	326.62	0.92
19.00	0.87	326.61	0.87
19.50	0.83	326.60	0.83
20.00	0.79	326.59	0.79
20.50	0.75	326.58	0.75
21.00	0.72	326.58	0.72
21.50	0.68	326.57	0.68
22.00	0.65	326.56	0.65
22.50	0.62	326.55	0.62
23.00	0.59	326.55	0.59
23.50	0.55	326.54	0.55
24.00	0.52	326.53	0.52

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

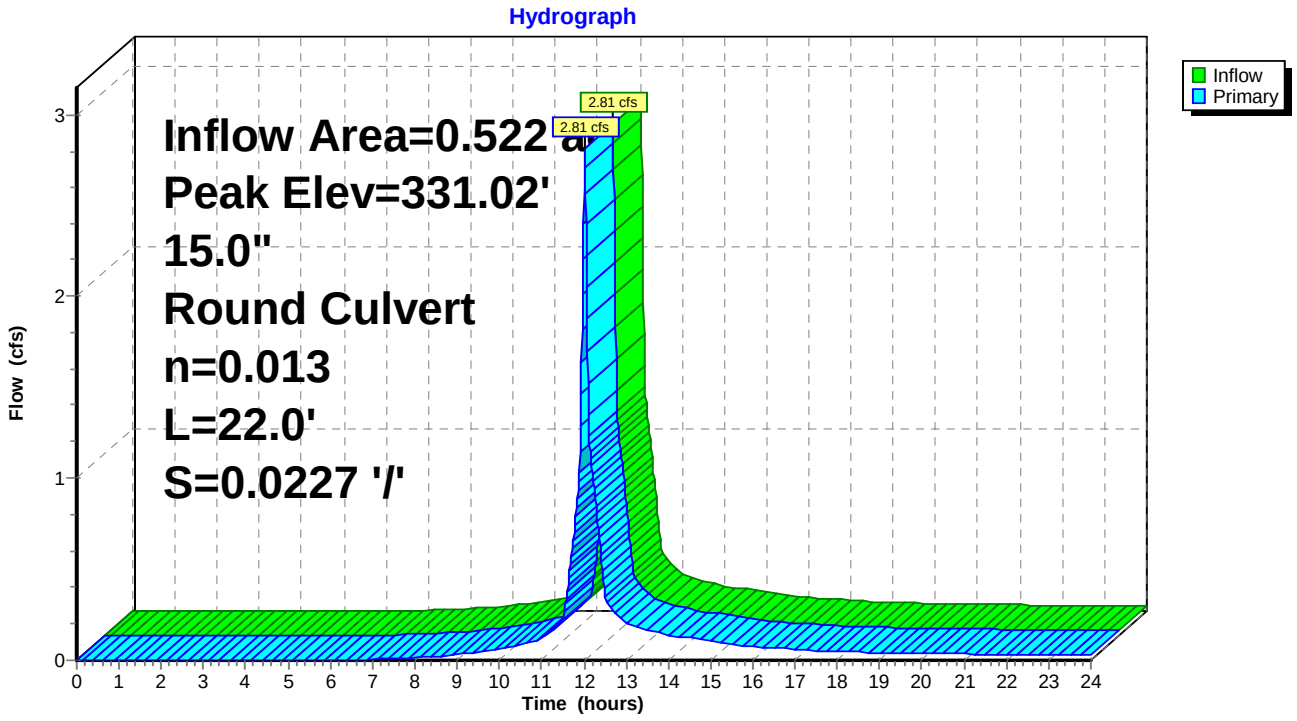
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af
Outflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af, Atten= 0%, Lag= 0.0 min
Primary = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.02' @ 12.02 hrs
Flood Elev= 332.80'

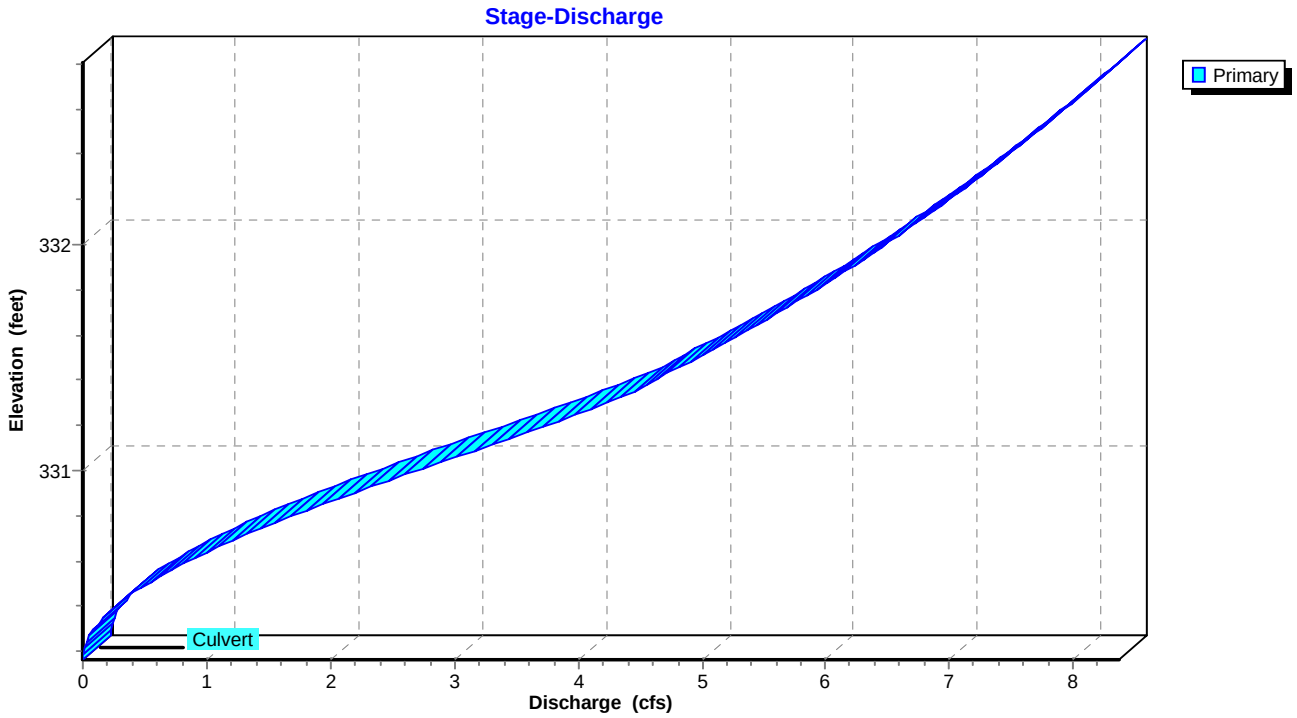
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.80 cfs @ 12.02 hrs HW=331.02' TW=328.07' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.80 cfs @ 3.14 fps)

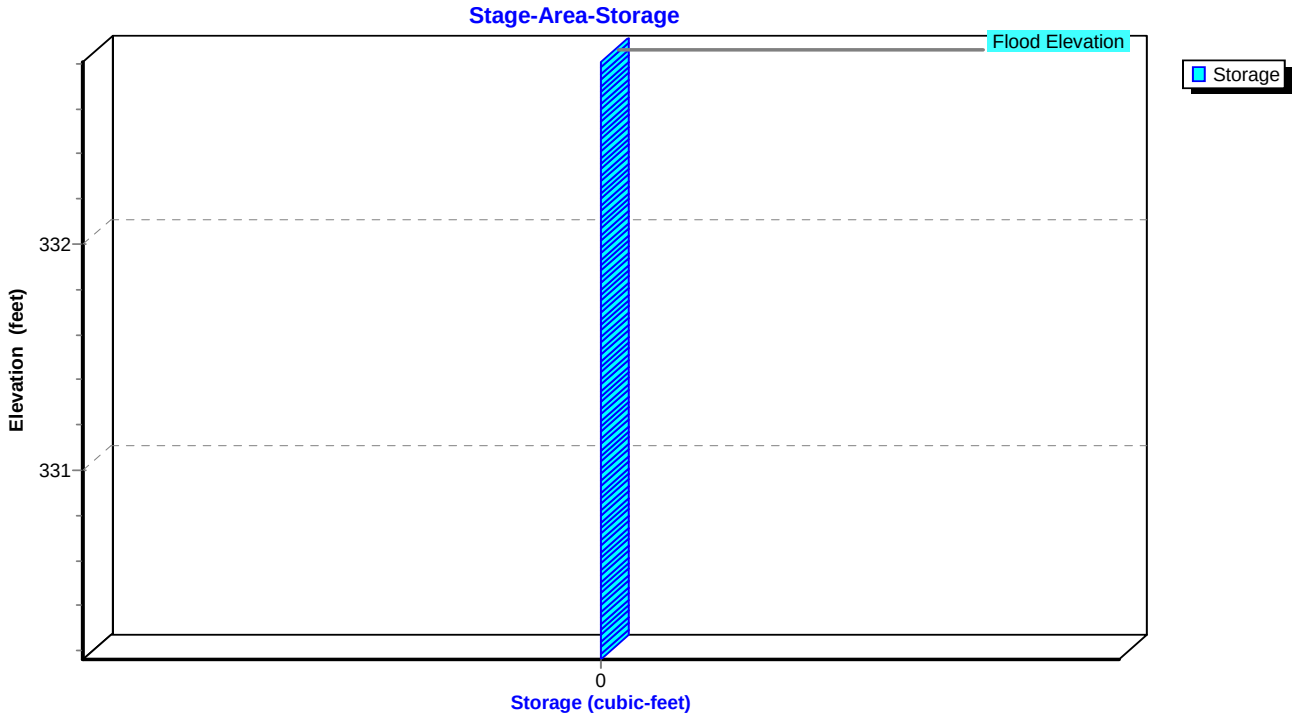
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.18	0.00
7.00	0.00	330.20	0.00
7.50	0.01	330.21	0.01
8.00	0.01	330.22	0.01
8.50	0.02	330.24	0.02
9.00	0.03	330.25	0.03
9.50	0.05	330.27	0.05
10.00	0.06	330.28	0.06
10.50	0.09	330.30	0.09
11.00	0.12	330.33	0.12
11.50	0.22	330.38	0.22
12.00	**2.59**	**330.98**	**2.59**
12.50	**0.36**	**330.45**	**0.36**
13.00	0.20	330.38	0.20
13.50	0.17	330.36	0.17
14.00	0.14	330.34	0.14
14.50	0.12	330.33	0.12
15.00	0.11	330.32	0.11
15.50	0.09	330.31	0.09
16.00	0.07	330.29	0.07
16.50	0.07	330.29	0.07
17.00	0.06	330.28	0.06
17.50	0.05	330.27	0.05
18.00	0.05	330.27	0.05
18.50	0.04	330.26	0.04
19.00	0.04	330.26	0.04
19.50	0.04	330.26	0.04
20.00	0.04	330.26	0.04
20.50	0.04	330.25	0.04
21.00	0.03	330.25	0.03
21.50	0.03	330.25	0.03
22.00	0.03	330.25	0.03
22.50	0.03	330.25	0.03
23.00	0.03	330.24	0.03
23.50	0.03	330.24	0.03
24.00	0.02	330.24	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

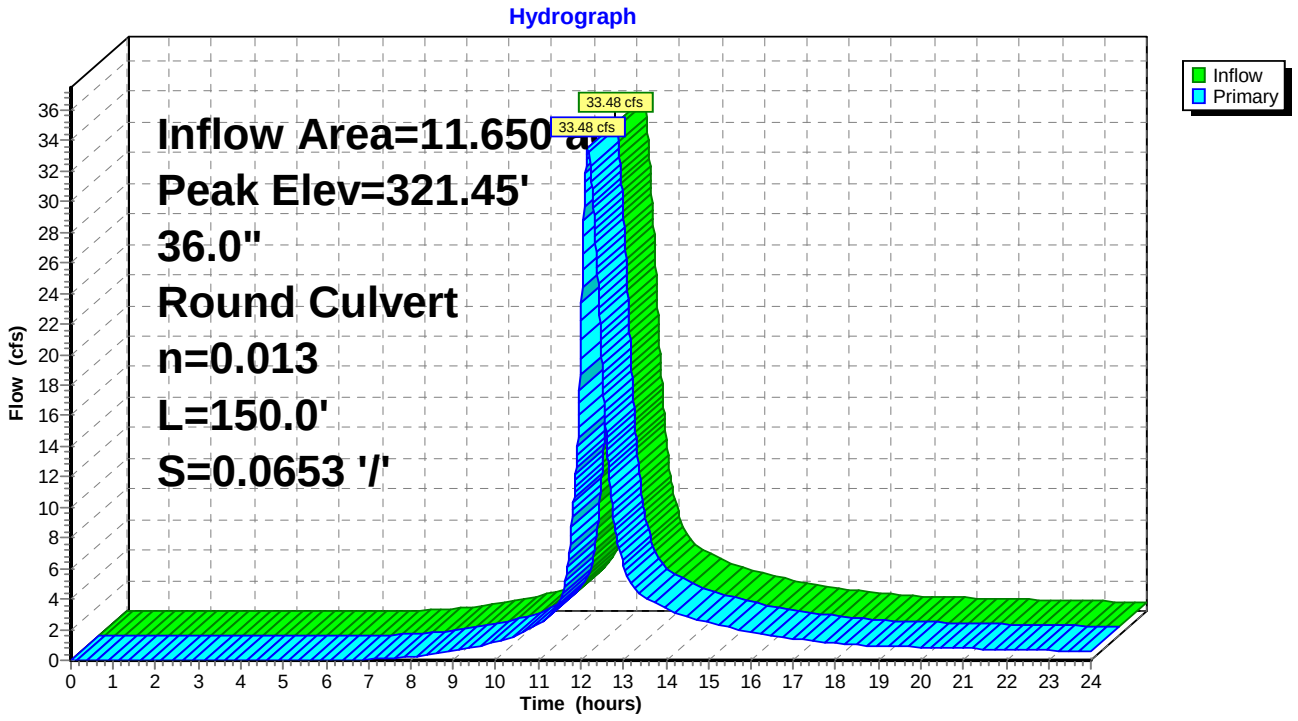
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 3.86" for 25-Year event
Inflow = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af
Outflow = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af, Atten= 0%, Lag= 0.0 min
Primary = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.45' @ 12.16 hrs
Flood Elev= 338.50'

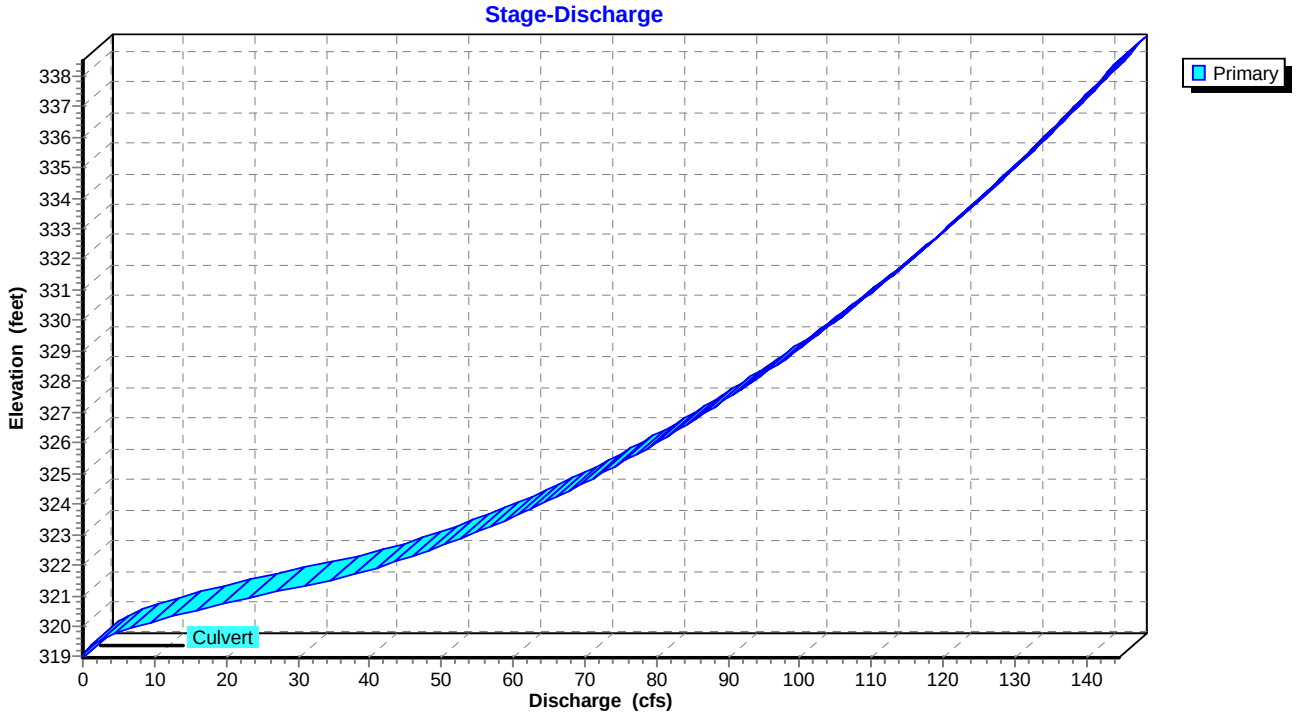
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=33.46 cfs @ 12.16 hrs HW=321.45' TW=311.52' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 33.46 cfs @ 5.36 fps)

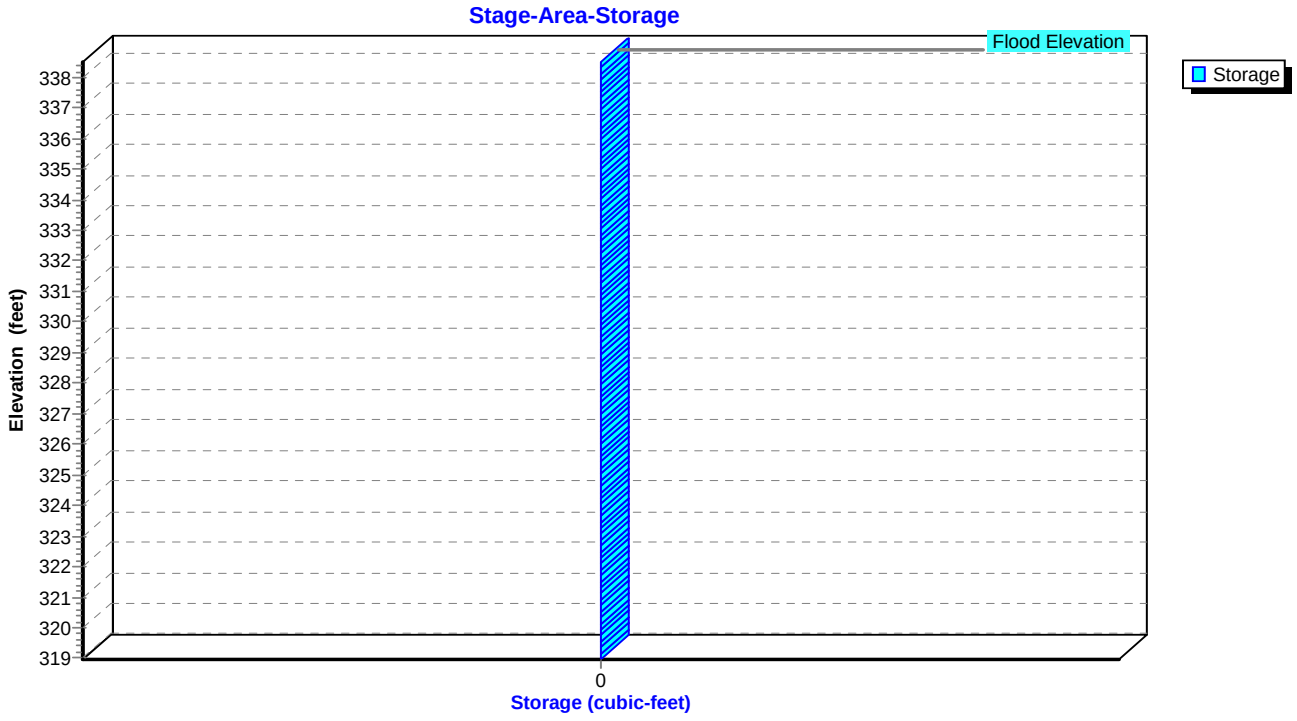
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.99	0.00
6.50	0.01	319.01	0.01
7.00	0.06	319.05	0.06
7.50	0.13	319.10	0.13
8.00	0.24	319.15	0.24
8.50	0.38	319.19	0.38
9.00	0.60	319.25	0.60
9.50	0.87	319.31	0.87
10.00	1.18	319.37	1.18
10.50	1.66	319.44	1.66
11.00	2.31	319.53	2.31
11.50	3.84	319.70	3.84
12.00	**20.97**	**320.81**	**20.97**
12.50	**19.35**	**320.72**	**19.35**
13.00	6.25	319.91	6.25
13.50	4.13	319.73	4.13
14.00	3.36	319.65	3.36
14.50	2.85	319.59	2.85
15.00	2.50	319.55	2.50
15.50	2.15	319.51	2.15
16.00	1.80	319.46	1.80
16.50	1.56	319.43	1.56
17.00	1.40	319.40	1.40
17.50	1.24	319.38	1.24
18.00	1.09	319.35	1.09
18.50	0.99	319.33	0.99
19.00	0.94	319.32	0.94
19.50	0.90	319.31	0.90
20.00	0.85	319.30	0.85
20.50	0.81	319.30	0.81
21.00	0.77	319.29	0.77
21.50	0.74	319.28	0.74
22.00	0.70	319.27	0.70
22.50	0.67	319.27	0.67
23.00	0.63	319.26	0.63
23.50	0.60	319.25	0.60
24.00	0.56	319.24	0.56

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

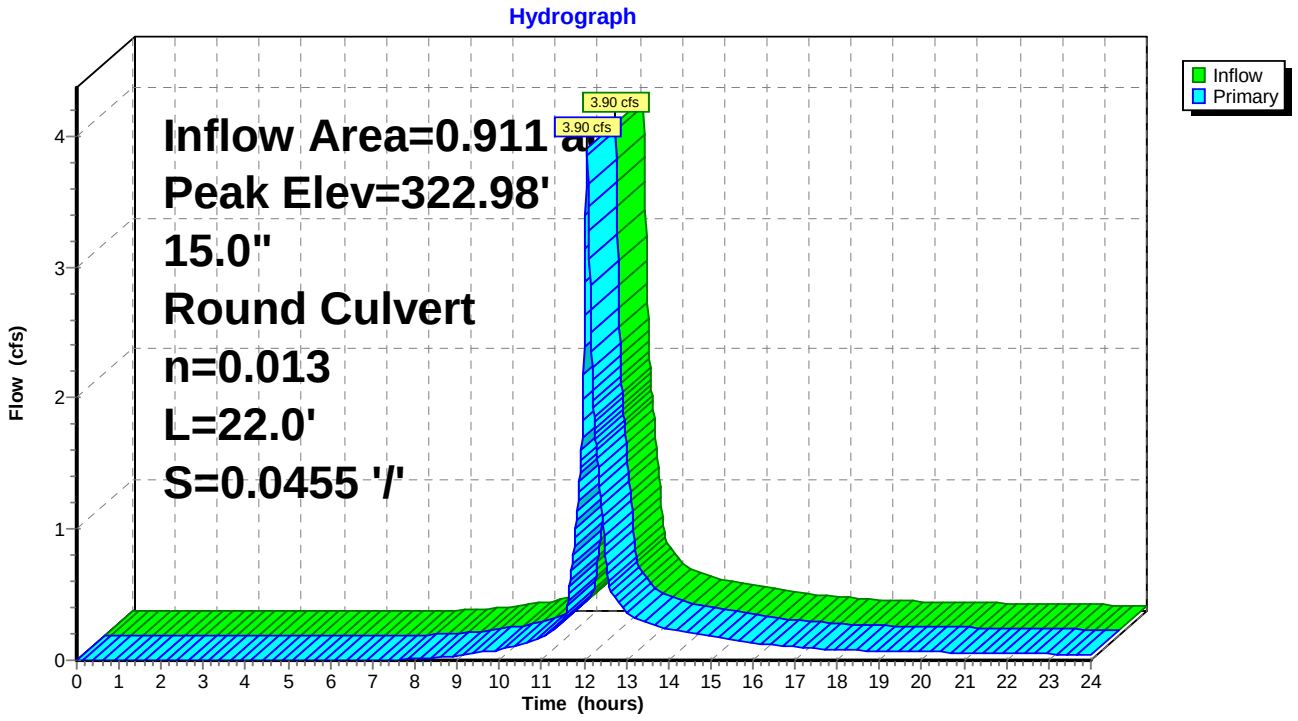
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 3.58" for 25-Year event
Inflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af
Outflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.98' @ 12.08 hrs
Flood Elev= 324.50'

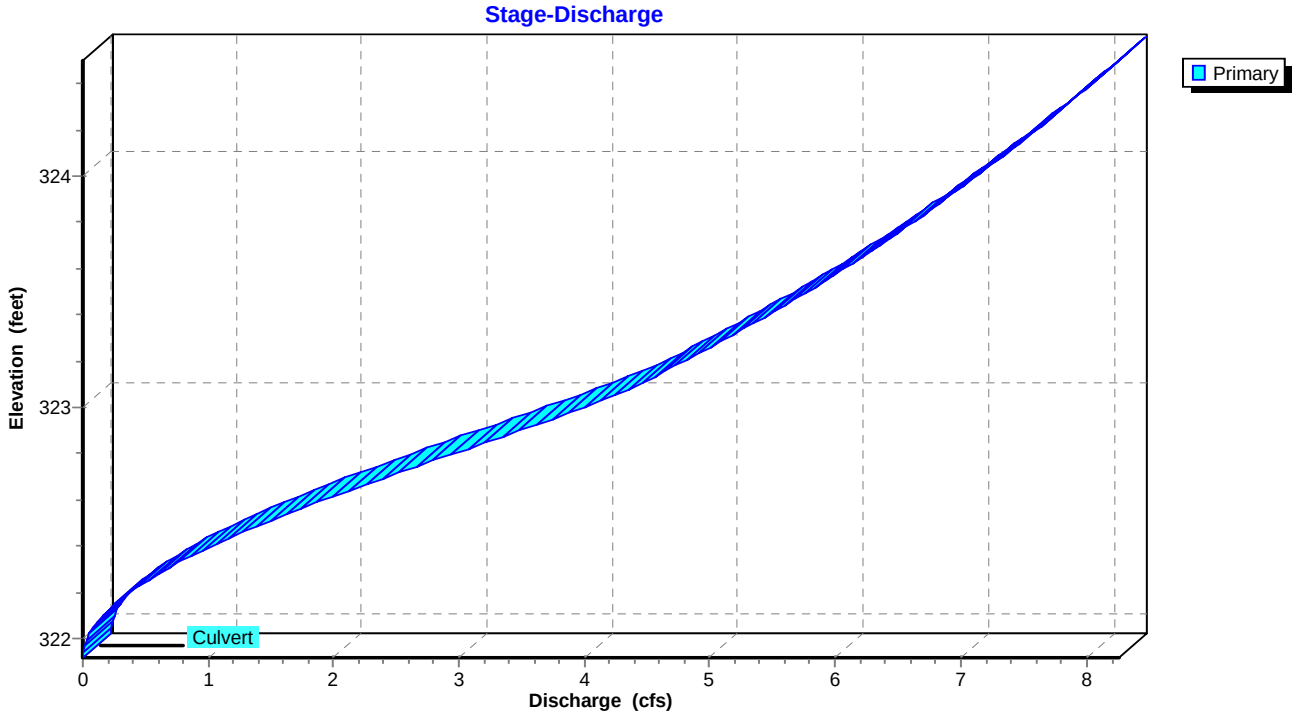
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.90 cfs @ 12.08 hrs HW=322.98' TW=321.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.90 cfs @ 3.51 fps)

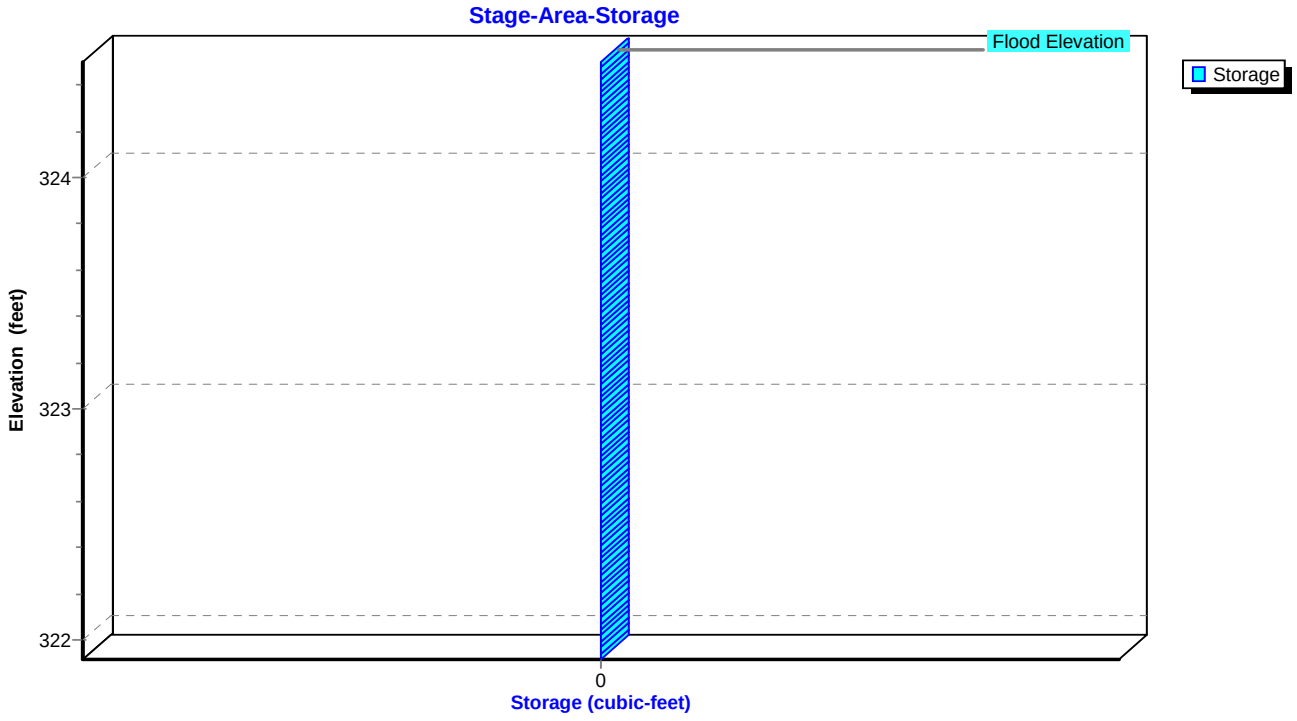
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.94	0.00
8.00	0.01	321.96	0.01
8.50	0.02	321.98	0.02
9.00	0.04	322.01	0.04
9.50	0.06	322.03	0.06
10.00	0.08	322.05	0.08
10.50	0.12	322.07	0.12
11.00	0.17	322.11	0.17
11.50	0.31	322.17	0.31
12.00	**2.39**	**322.69**	**2.39**
12.50	**0.85**	**322.36**	**0.85**
13.00	0.37	322.20	0.37
13.50	0.29	322.17	0.29
14.00	0.24	322.14	0.24
14.50	0.21	322.13	0.21
15.00	0.18	322.11	0.18
15.50	0.15	322.10	0.15
16.00	0.13	322.08	0.13
16.50	0.11	322.07	0.11
17.00	0.10	322.06	0.10
17.50	0.09	322.06	0.09
18.00	0.08	322.05	0.08
18.50	0.07	322.04	0.07
19.00	0.07	322.04	0.07
19.50	0.07	322.04	0.07
20.00	0.06	322.03	0.06
20.50	0.06	322.03	0.06
21.00	0.06	322.03	0.06
21.50	0.06	322.03	0.06
22.00	0.05	322.02	0.05
22.50	0.05	322.02	0.05
23.00	0.05	322.02	0.05
23.50	0.04	322.01	0.04
24.00	0.04	322.01	0.04

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.62' Inflow=7.38 cfs 0.878 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=7.38 cfs 0.878 af

Pond CB10: Catchbasin Peak Elev=312.06' Inflow=42.98 cfs 4.896 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=42.98 cfs 4.896 af

Pond CB10-1: CB1-1 Peak Elev=313.05' Inflow=4.23 cfs 0.258 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.23 cfs 0.258 af

Pond CB11: Catchbasin Peak Elev=302.13' Inflow=45.92 cfs 5.142 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=45.92 cfs 5.142 af

Pond CB11-1: CB1-1 Peak Elev=303.06' Inflow=2.99 cfs 0.246 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.99 cfs 0.246 af

Pond CB12: Catchbasin Peak Elev=300.31' Inflow=52.11 cfs 5.650 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=52.11 cfs 5.650 af

Pond CB12-1: CB1-1 Peak Elev=301.56' Inflow=6.64 cfs 0.508 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.64 cfs 0.508 af

Pond CB13: Catchbasin Peak Elev=296.84' Inflow=55.77 cfs 5.964 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=55.77 cfs 5.964 af

Pond CB13-1: CB1-1 Peak Elev=297.46' Inflow=3.67 cfs 0.315 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.67 cfs 0.315 af

Pond CB14: Catchbasin Peak Elev=289.80' Inflow=56.48 cfs 6.064 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=56.48 cfs 6.064 af

Pond CB14-1: CB1-1 Peak Elev=291.04' Inflow=1.61 cfs 0.100 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=1.61 cfs 0.100 af

Pond CB15: Catchbasin Peak Elev=286.18' Inflow=73.14 cfs 8.275 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=73.14 cfs 8.275 af

Pond CB15-1: CB1-1 Peak Elev=287.96' Inflow=20.78 cfs 2.210 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=20.78 cfs 2.210 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.63' Inflow=15.75 cfs 1.790 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=15.75 cfs 1.790 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=344.10' Inflow=19.30 cfs 2.183 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=19.30 cfs 2.183 af

Pond CB4: Catchbasin Peak Elev=334.19' Inflow=25.80 cfs 2.973 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=25.80 cfs 2.973 af

Pond CB4-1: CB1-1 Peak Elev=338.91' Inflow=25.80 cfs 2.973 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=25.80 cfs 2.973 af

Pond CB5: Catchbasin Peak Elev=333.04' Inflow=26.47 cfs 3.089 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=26.47 cfs 3.089 af

Pond CB5-1: CB1-1 Peak Elev=334.56' Inflow=1.94 cfs 0.116 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.94 cfs 0.116 af

Pond CB6: Catchbasin Peak Elev=331.91' Inflow=32.05 cfs 3.611 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=32.05 cfs 3.611 af

Pond CB6-1: CB1-1 Peak Elev=337.50' Inflow=5.78 cfs 0.522 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=5.78 cfs 0.522 af

Pond CB7: Catchbasin Peak Elev=330.61' Inflow=36.89 cfs 4.090 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=36.89 cfs 4.090 af

Pond CB7-1: CB1-1 Peak Elev=336.14' Inflow=6.17 cfs 0.479 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.17 cfs 0.479 af

Pond CB8: Catchbasin Peak Elev=329.01' Inflow=38.20 cfs 4.299 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=38.20 cfs 4.299 af

Pond CB8-1: CB1-1 Peak Elev=331.15' Inflow=3.46 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.46 cfs 0.209 af

Pond CB9: Catchbasin Peak Elev=321.93' Inflow=41.30 cfs 4.638 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=41.30 cfs 4.638 af

Pond CB9-1: CB1-1 Peak Elev=323.22' Inflow=4.86 cfs 0.339 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.86 cfs 0.339 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

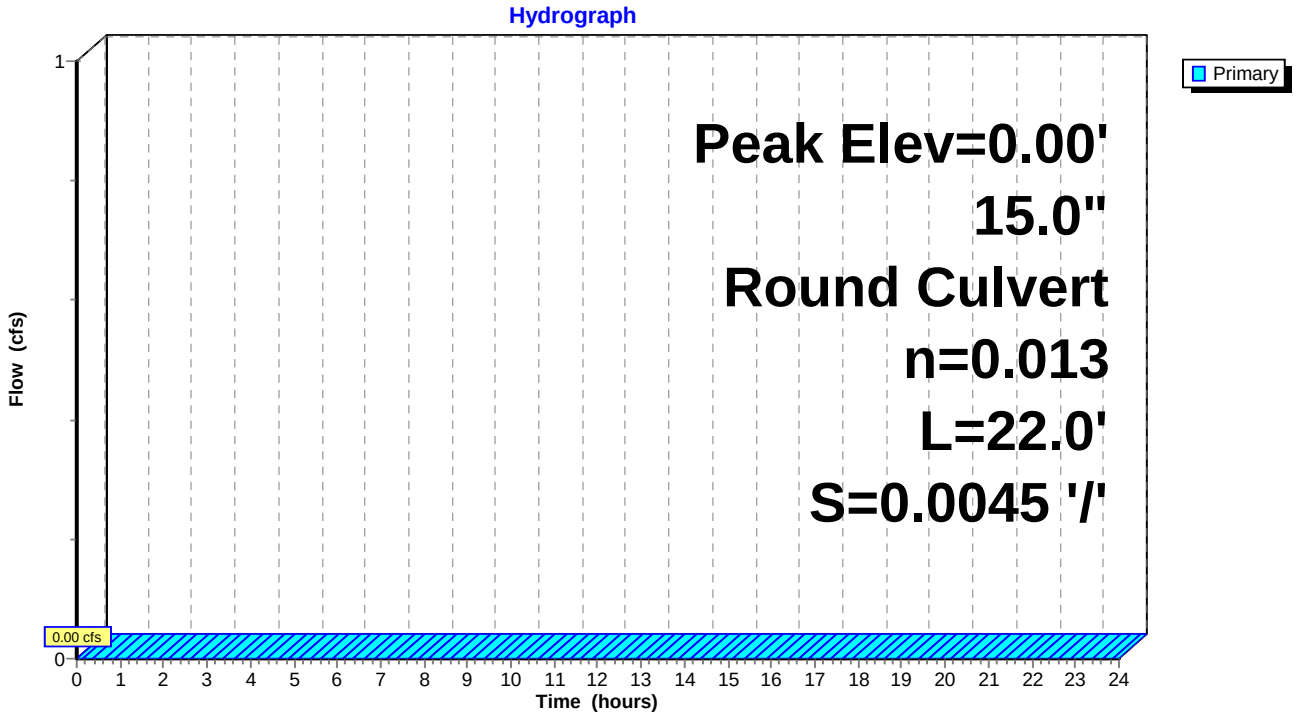
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

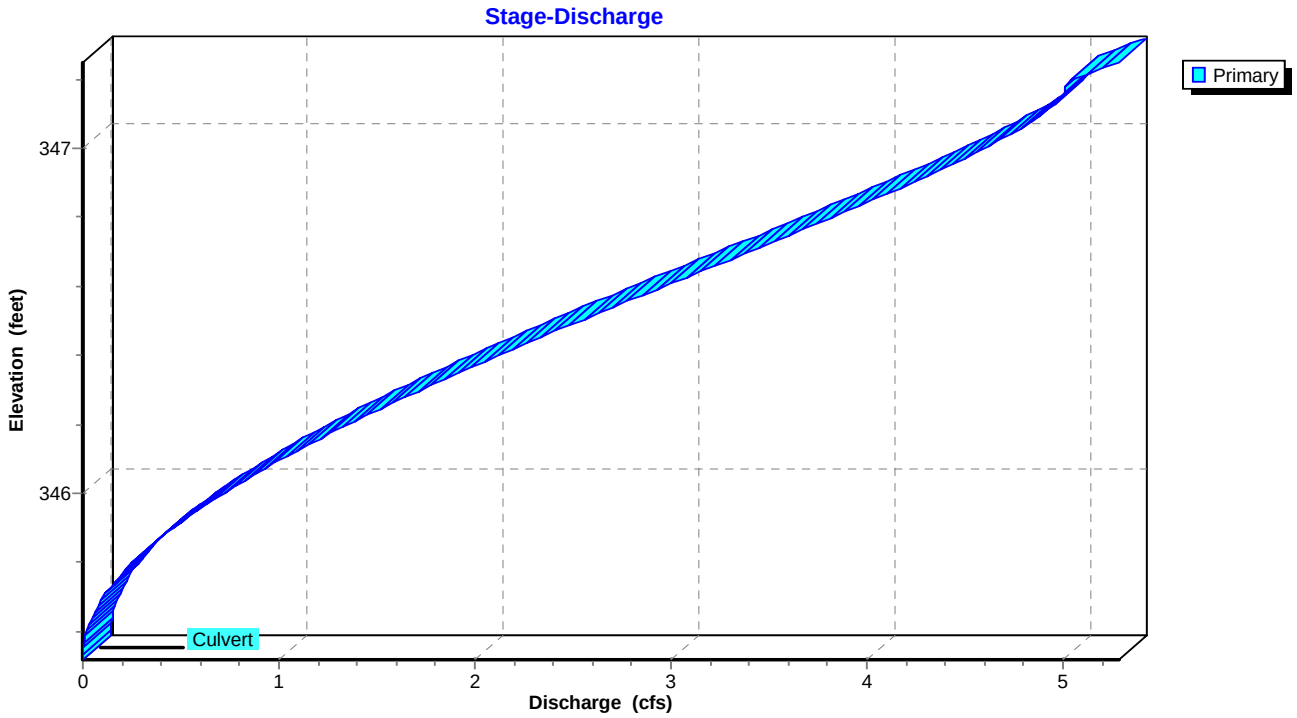
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

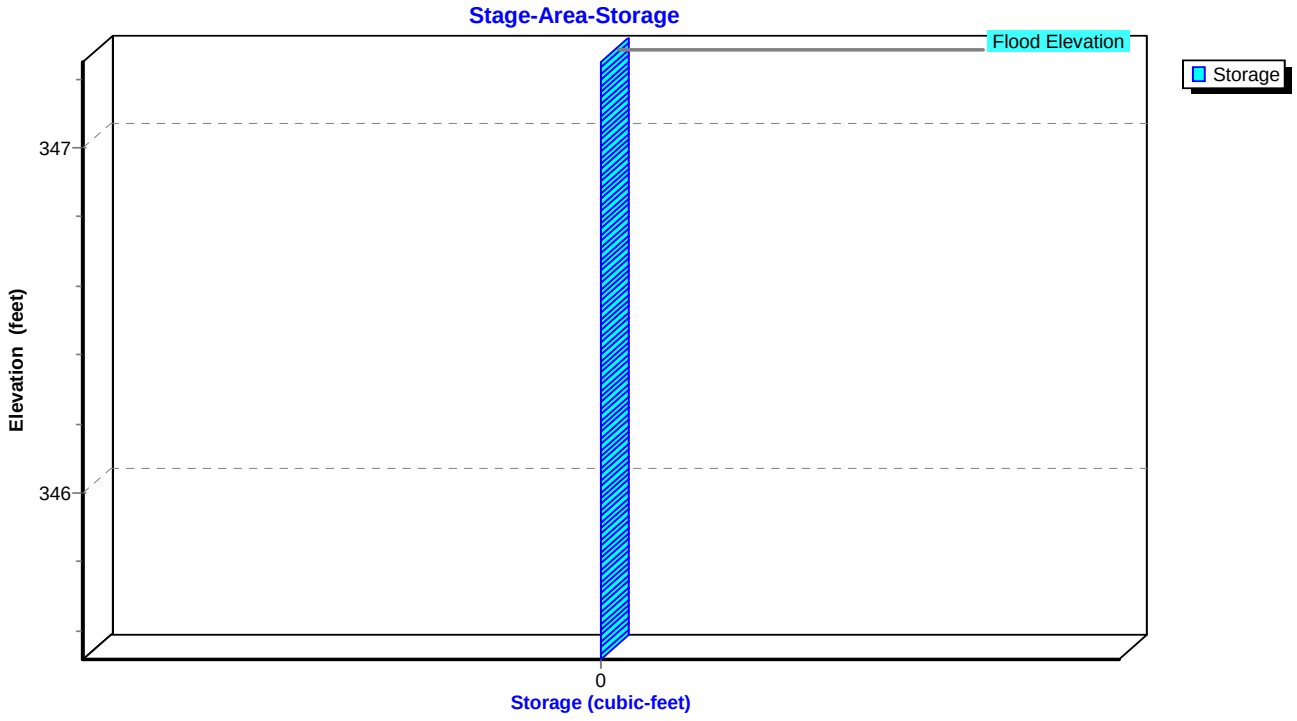
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

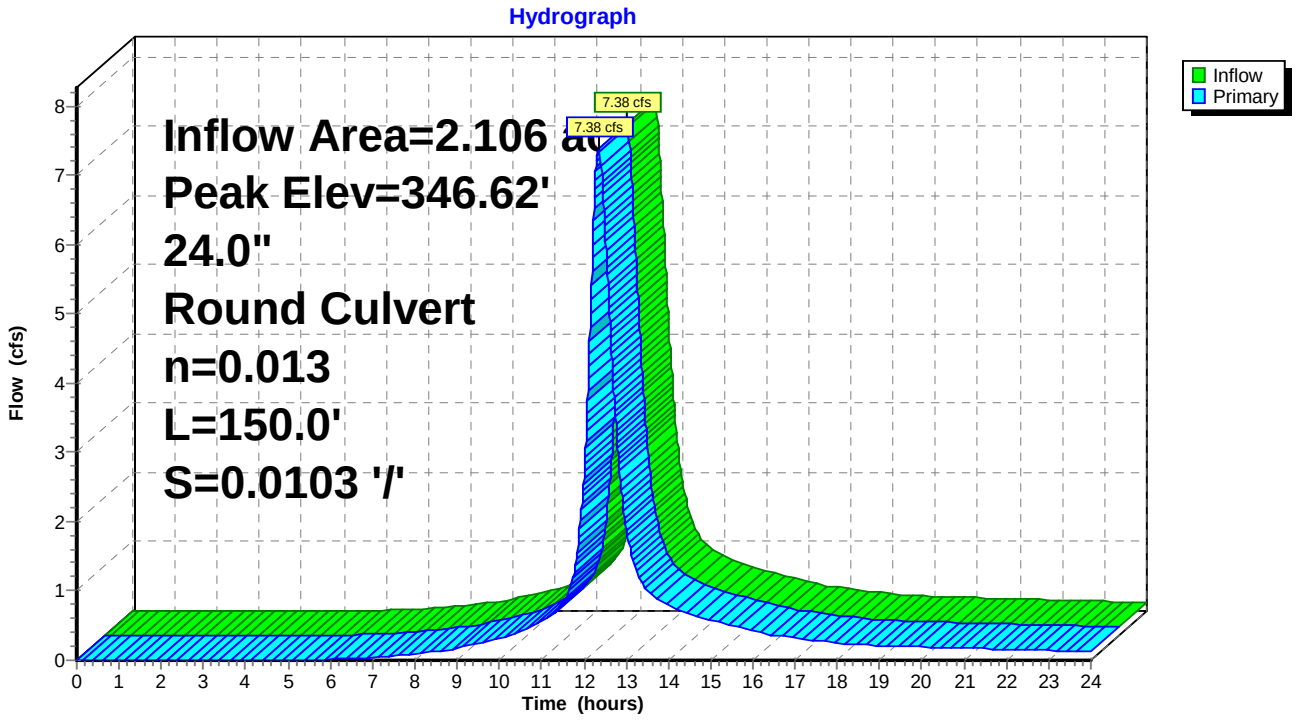
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.00" for 50-Year event
Inflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af
Outflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af, Atten= 0%, Lag= 0.0 min
Primary = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.62' @ 12.33 hrs
Flood Elev= 348.80'

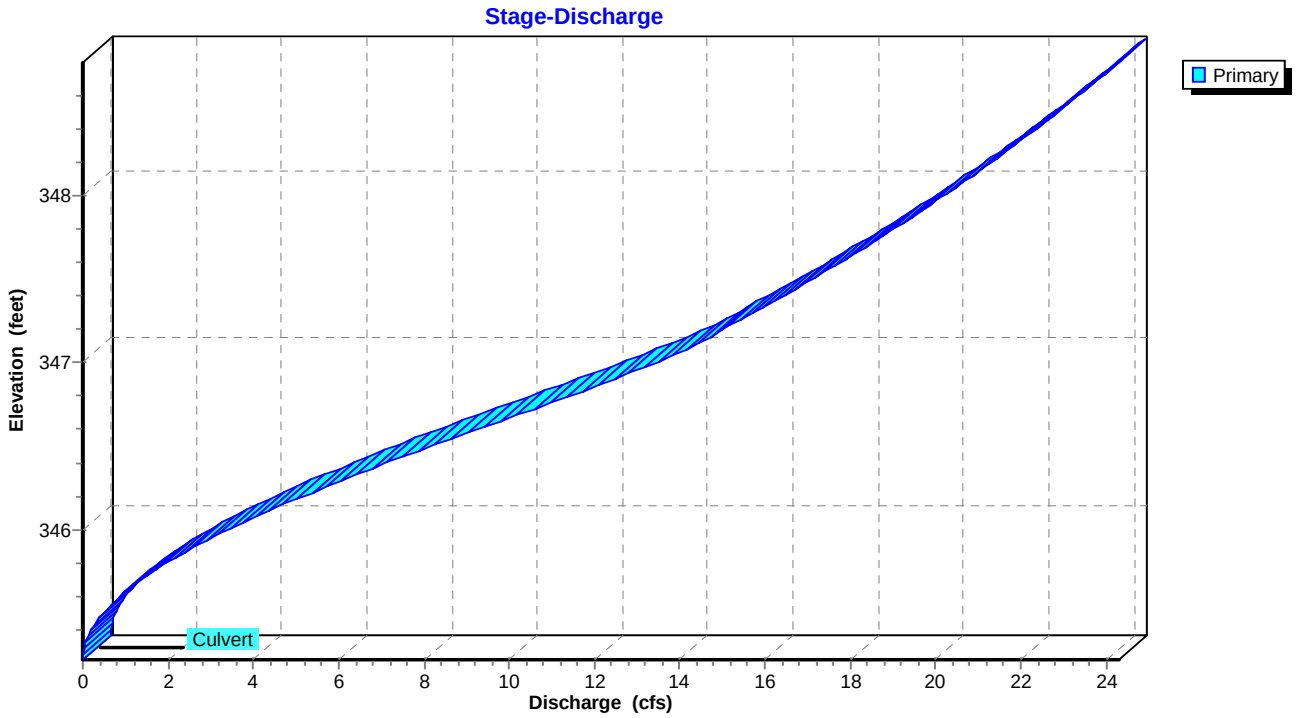
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=7.45 cfs @ 12.34 hrs HW=346.61' TW=345.57' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 7.45 cfs @ 4.50 fps)

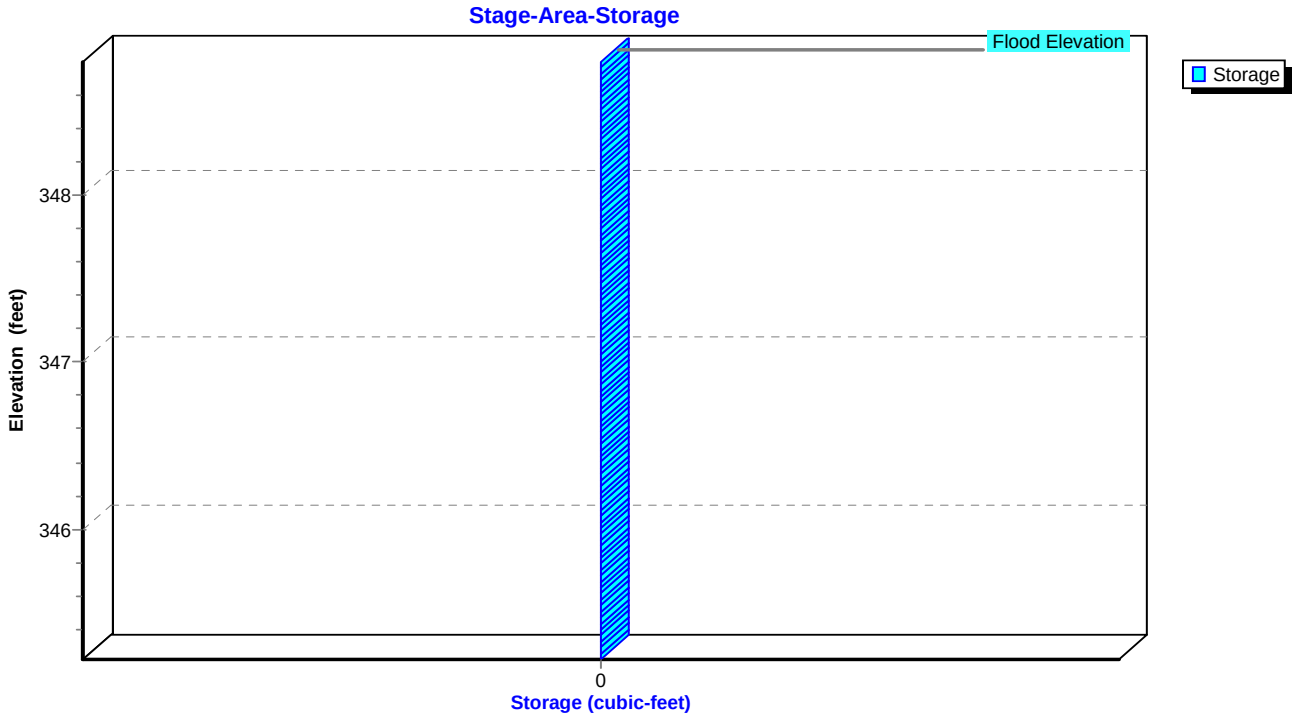
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.24	0.00
6.00	0.01	345.27	0.01
6.50	0.02	345.29	0.02
7.00	0.04	345.30	0.04
7.50	0.06	345.32	0.06
8.00	0.09	345.34	0.09
8.50	0.12	345.36	0.12
9.00	0.18	345.39	0.18
9.50	0.24	345.42	0.24
10.00	0.31	345.45	0.31
10.50	0.41	345.48	0.41
11.00	0.56	345.52	0.56
11.50	0.82	345.59	0.82
12.00	**2.63**	**345.91**	**2.63**
12.50	**6.27**	**346.39**	**6.27**
13.00	1.92	345.79	1.92
13.50	1.02	345.63	1.02
14.00	0.80	345.58	0.80
14.50	0.66	345.55	0.66
15.00	0.58	345.53	0.58
15.50	0.50	345.51	0.50
16.00	0.42	345.48	0.42
16.50	0.36	345.46	0.36
17.00	0.32	345.45	0.32
17.50	0.28	345.43	0.28
18.00	0.25	345.42	0.25
18.50	0.22	345.41	0.22
19.00	0.21	345.40	0.21
19.50	0.20	345.40	0.20
20.00	0.19	345.39	0.19
20.50	0.18	345.39	0.18
21.00	0.17	345.39	0.17
21.50	0.16	345.38	0.16
22.00	0.16	345.38	0.16
22.50	0.15	345.37	0.15
23.00	0.14	345.37	0.14
23.50	0.13	345.37	0.13
24.00	0.13	345.36	0.13

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

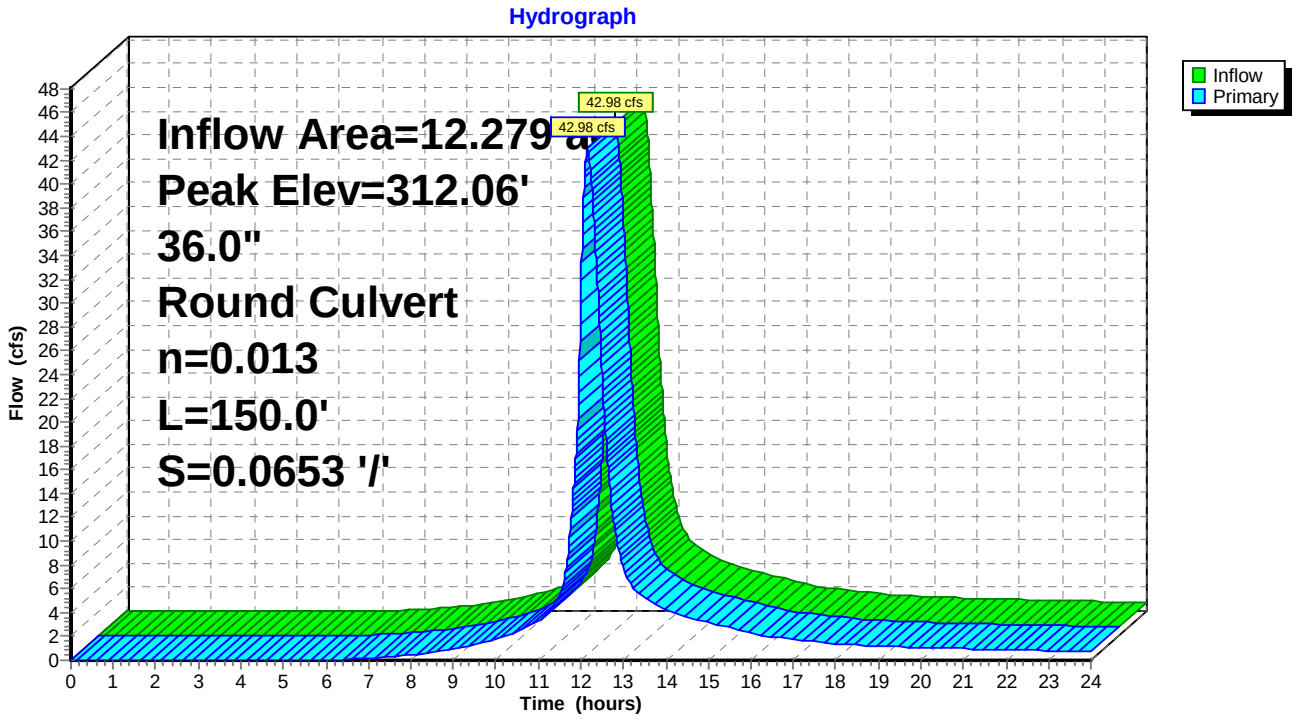
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 4.78" for 50-Year event
Inflow = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af
Outflow = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af, Atten= 0%, Lag= 0.0 min
Primary = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.06' @ 12.16 hrs
Flood Elev= 313.50'

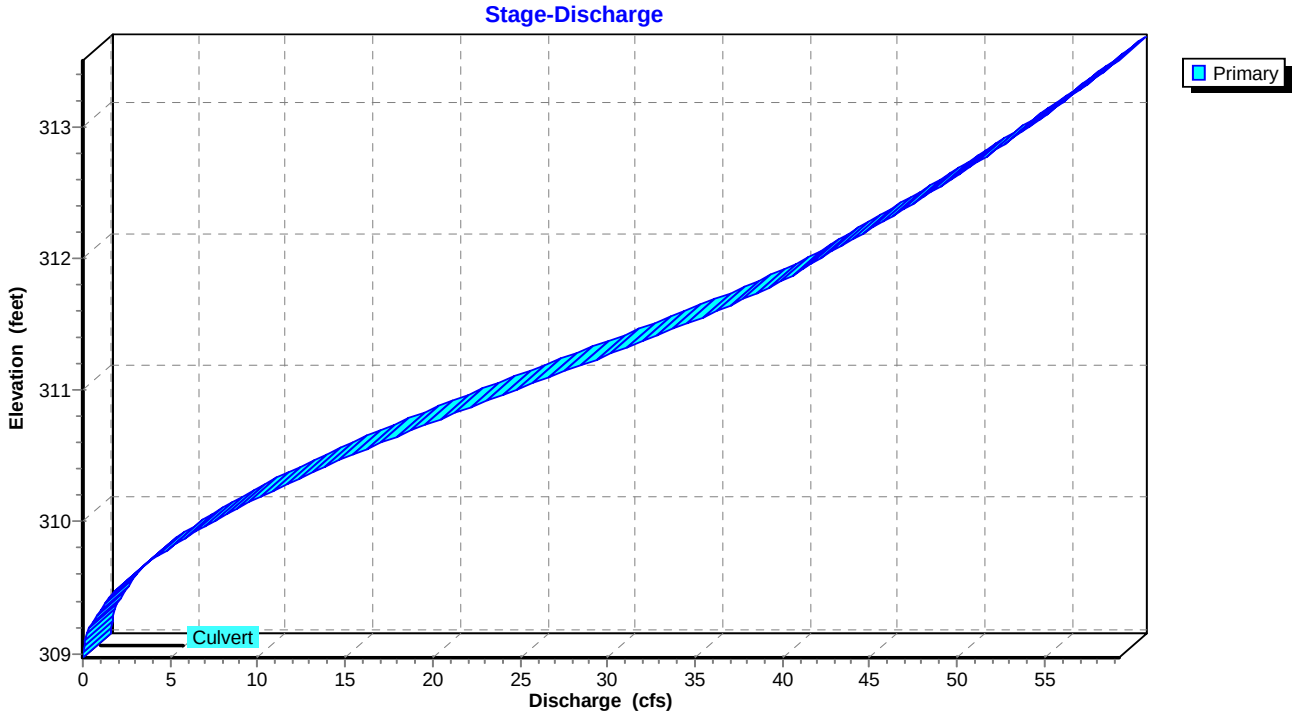
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=42.97 cfs @ 12.16 hrs HW=312.06' TW=302.13' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 42.97 cfs @ 6.08 fps)

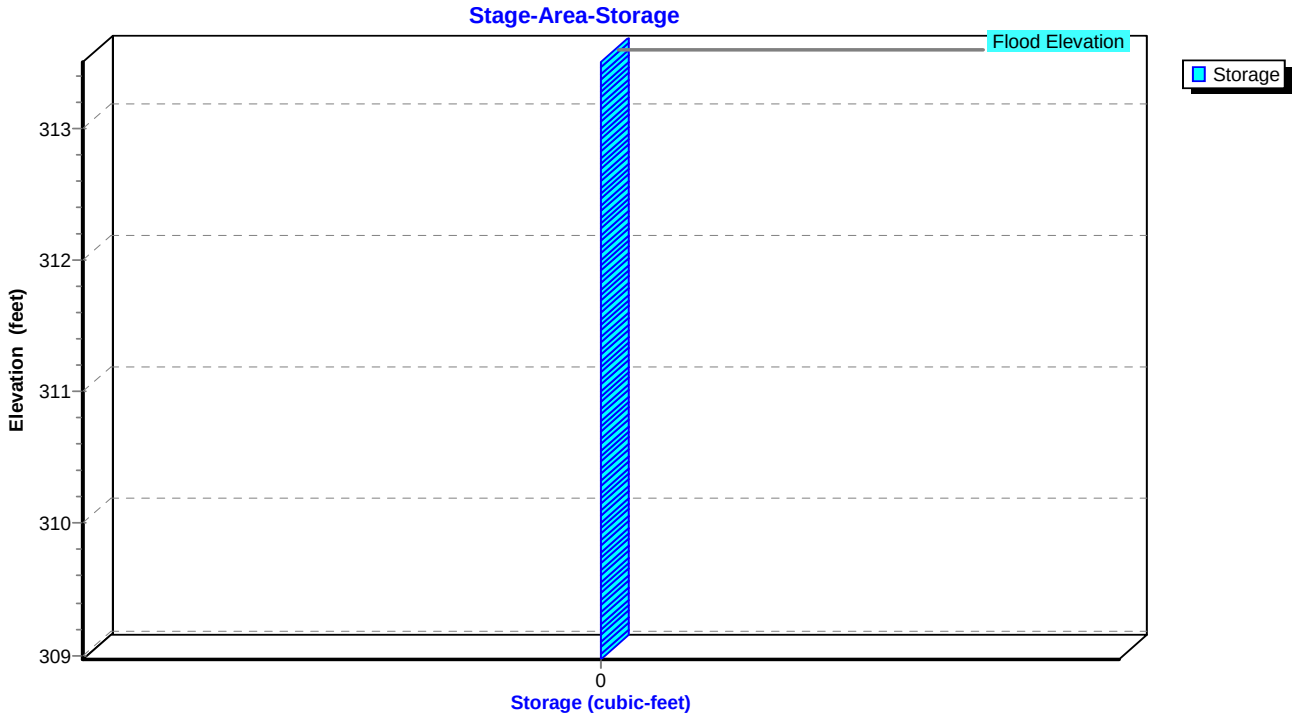
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.01	309.00	0.01
6.00	0.03	309.03	0.03
6.50	0.08	309.07	0.08
7.00	0.18	309.12	0.18
7.50	0.30	309.17	0.30
8.00	0.45	309.21	0.45
8.50	0.66	309.26	0.66
9.00	0.96	309.33	0.96
9.50	1.33	309.39	1.33
10.00	1.76	309.45	1.76
10.50	2.39	309.54	2.39
11.00	3.25	309.64	3.25
11.50	5.33	309.83	5.33
12.00	**30.09**	**311.27**	**30.09**
12.50	**24.04**	**310.97**	**24.04**
13.00	7.84	310.03	7.84
13.50	5.22	309.82	5.22
14.00	4.24	309.74	4.24
14.50	3.60	309.67	3.60
15.00	3.15	309.63	3.15
15.50	2.71	309.58	2.71
16.00	2.26	309.52	2.26
16.50	1.96	309.48	1.96
17.00	1.76	309.45	1.76
17.50	1.56	309.43	1.56
18.00	1.36	309.40	1.36
18.50	1.25	309.38	1.25
19.00	1.18	309.37	1.18
19.50	1.13	309.36	1.13
20.00	1.07	309.35	1.07
20.50	1.02	309.34	1.02
21.00	0.97	309.33	0.97
21.50	0.93	309.32	0.93
22.00	0.88	309.31	0.88
22.50	0.84	309.30	0.84
23.00	0.79	309.29	0.79
23.50	0.75	309.28	0.75
24.00	0.70	309.27	0.70

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

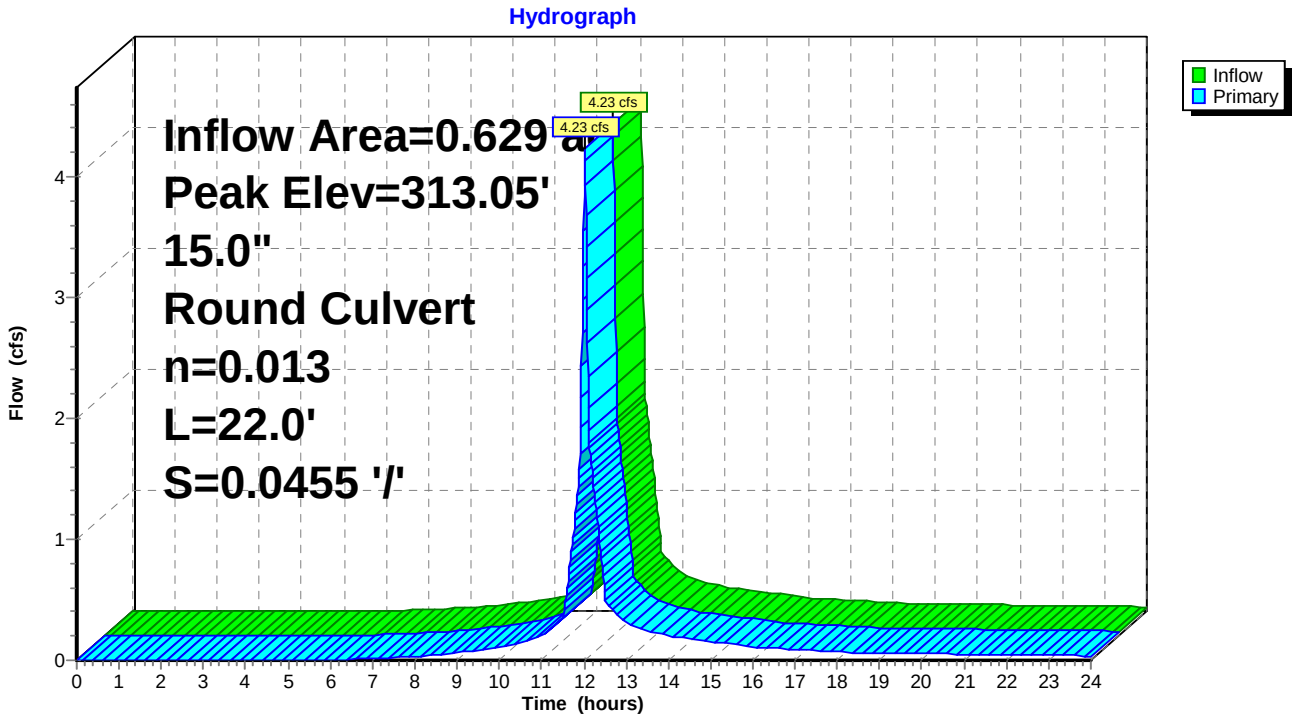
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 4.92" for 50-Year event
Inflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af
Outflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af, Atten= 0%, Lag= 0.0 min
Primary = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.05' @ 12.02 hrs
Flood Elev= 314.50'

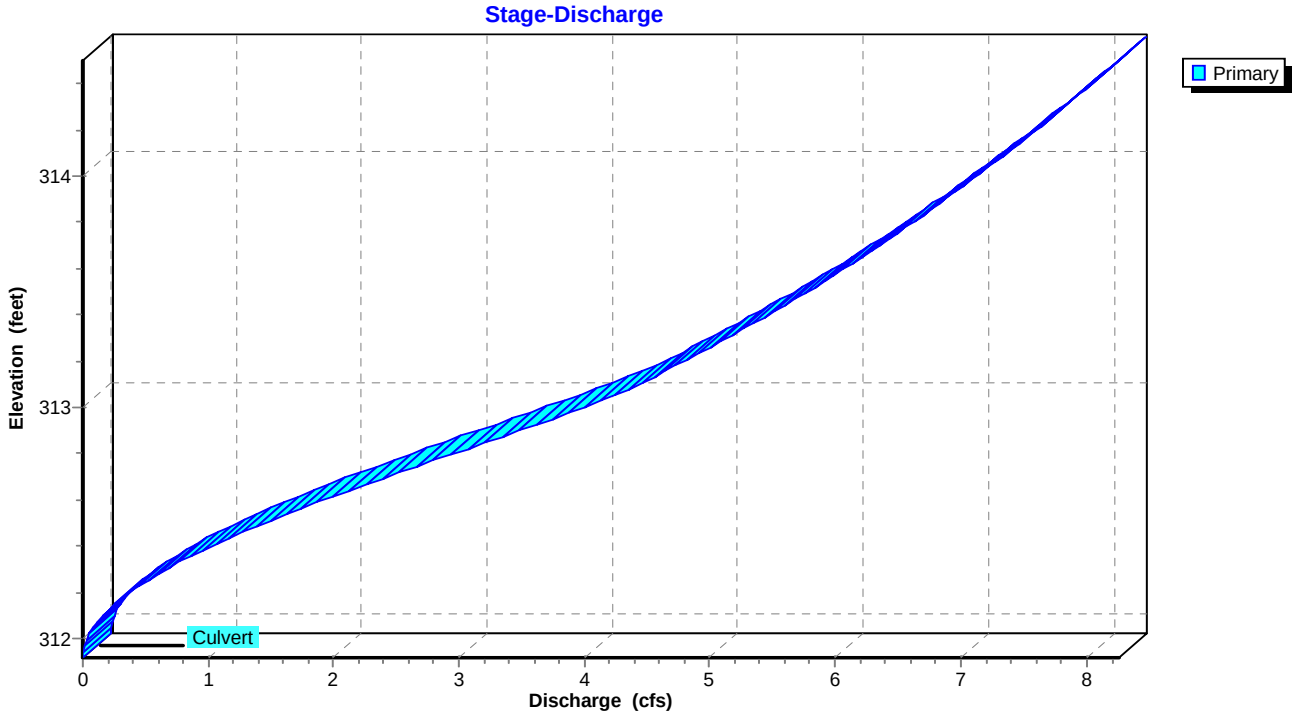
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.22 cfs @ 12.02 hrs HW=313.05' TW=311.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.22 cfs @ 3.62 fps)

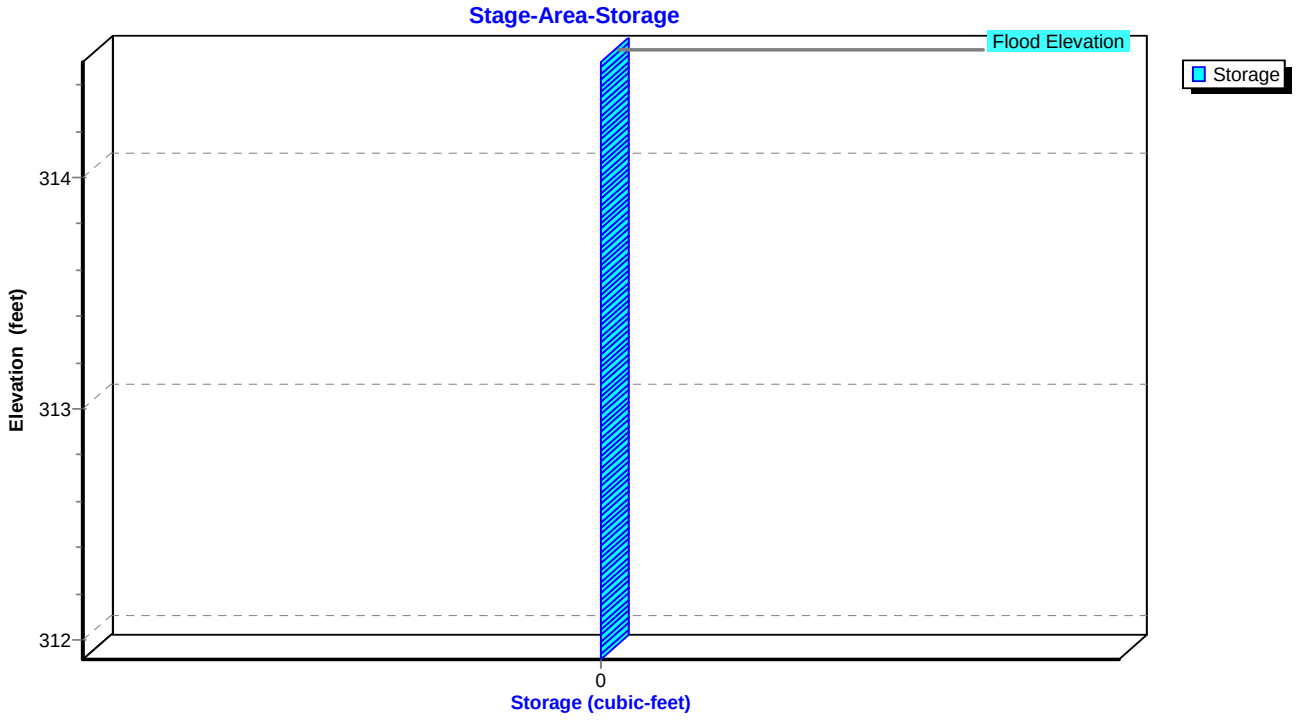
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.93	0.00
6.00	0.00	311.95	0.00
6.50	0.01	311.96	0.01
7.00	0.01	311.97	0.01
7.50	0.02	311.99	0.02
8.00	0.03	312.00	0.03
8.50	0.04	312.01	0.04
9.00	0.06	312.03	0.06
9.50	0.08	312.05	0.08
10.00	0.11	312.07	0.11
10.50	0.15	312.09	0.15
11.00	0.20	312.12	0.20
11.50	0.35	312.19	0.35
12.00	**3.84**	**312.97**	**3.84**
12.50	**0.54**	**312.26**	**0.54**
13.00	0.30	312.17	0.30
13.50	0.25	312.15	0.25
14.00	0.20	312.12	0.20
14.50	0.18	312.11	0.18
15.00	0.15	312.10	0.15
15.50	0.13	312.08	0.13
16.00	0.11	312.07	0.11
16.50	0.10	312.06	0.10
17.00	0.09	312.05	0.09
17.50	0.08	312.04	0.08
18.00	0.07	312.04	0.07
18.50	0.06	312.03	0.06
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.05	312.02	0.05
20.50	0.05	312.02	0.05
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.04	312.01	0.04
22.50	0.04	312.01	0.04
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.00	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

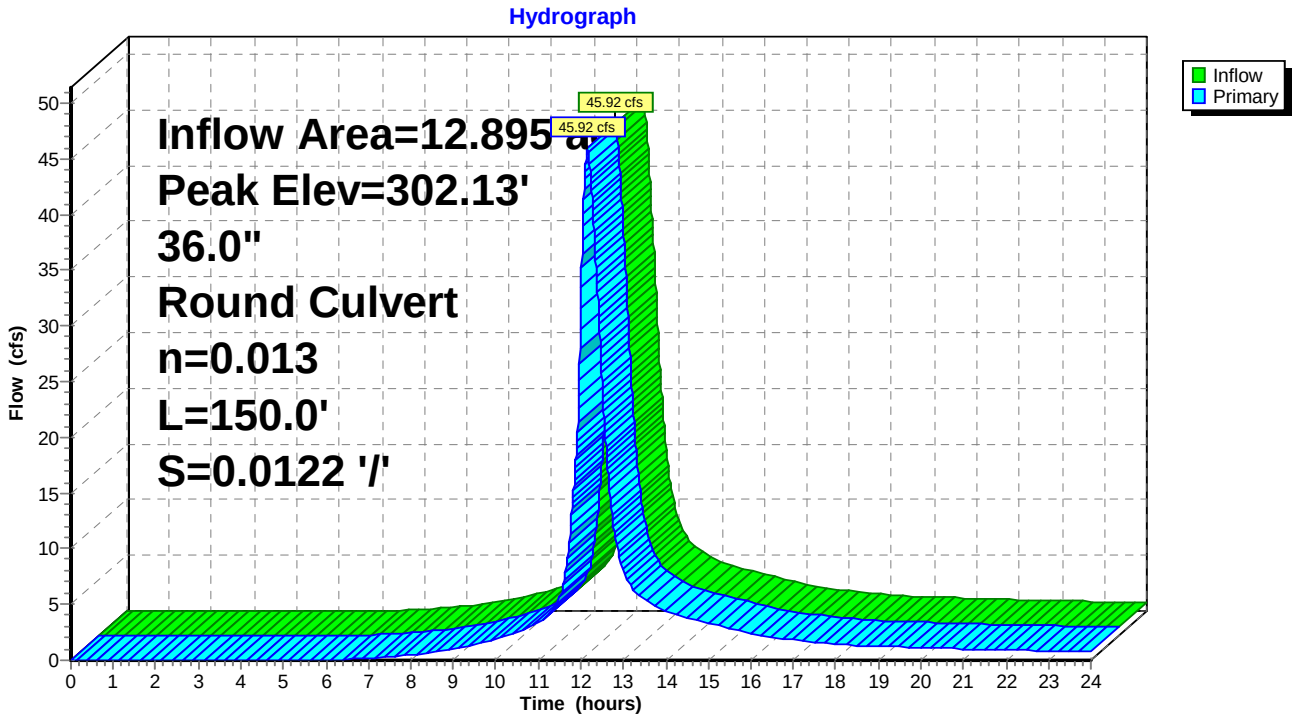
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 4.79" for 50-Year event
Inflow = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af
Outflow = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af, Atten= 0%, Lag= 0.0 min
Primary = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.13' @ 12.15 hrs
Flood Elev= 303.50'

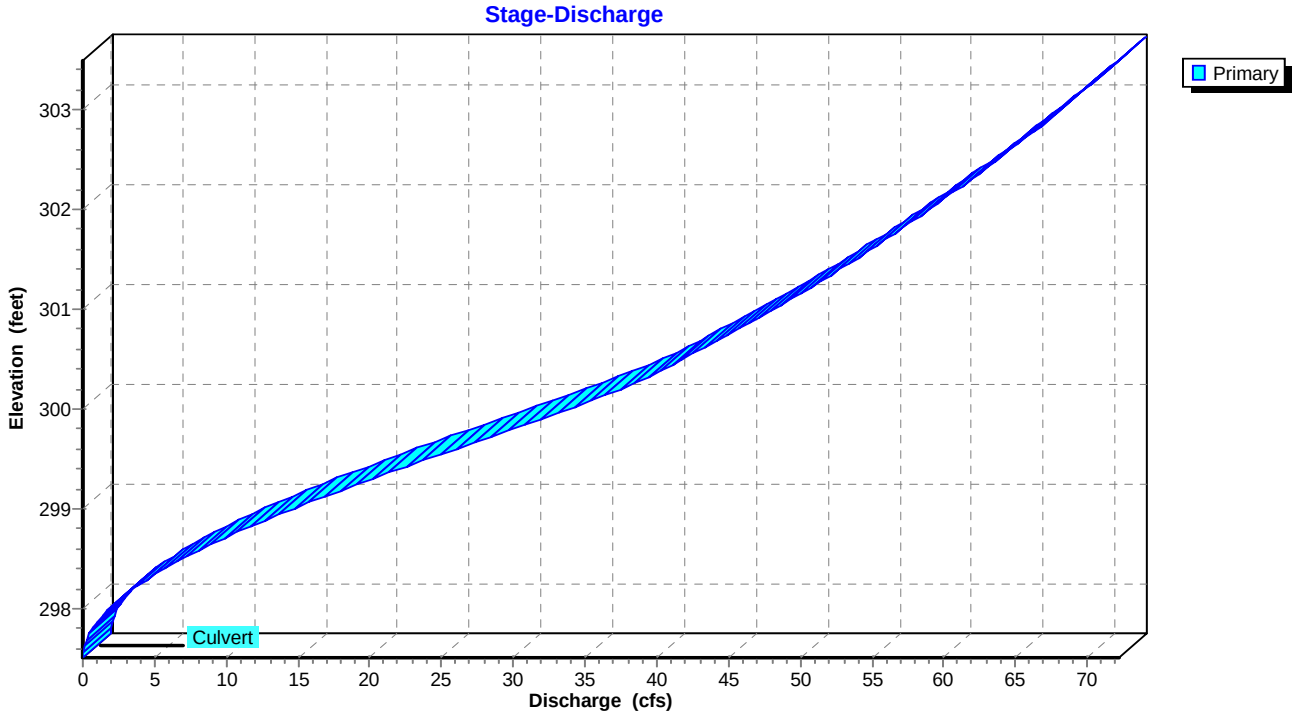
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=46.08 cfs @ 12.16 hrs HW=302.13' TW=300.30' (Dynamic Tailwater)
1=Culvert (Inlet Controls 46.08 cfs @ 6.52 fps)

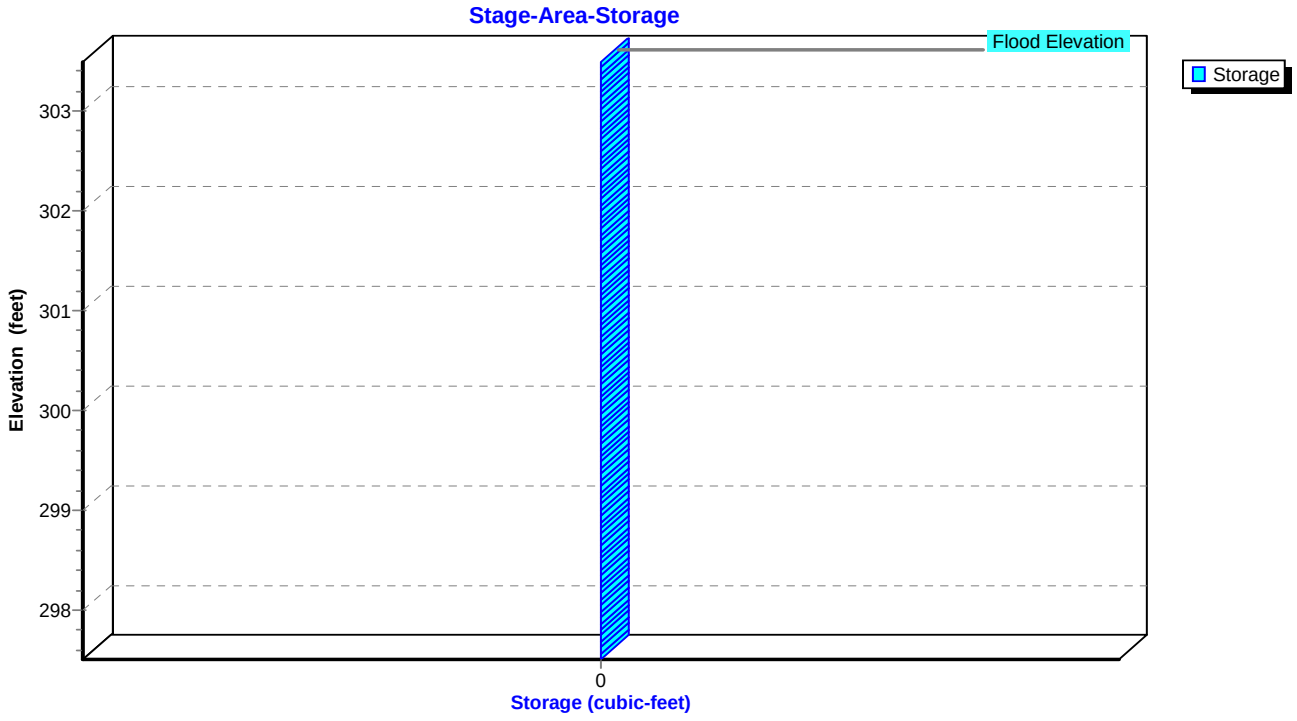
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.01	297.53	0.01
6.00	0.03	297.57	0.03
6.50	0.09	297.62	0.09
7.00	0.19	297.67	0.19
7.50	0.32	297.72	0.32
8.00	0.47	297.77	0.47
8.50	0.70	297.83	0.70
9.00	1.01	297.89	1.01
9.50	1.40	297.96	1.40
10.00	1.85	298.03	1.85
10.50	2.52	298.13	2.52
11.00	3.42	298.24	3.42
11.50	5.62	298.47	5.62
12.00	**31.58**	**300.27**	**31.58**
12.50	**25.02**	**299.88**	**25.02**
13.00	8.17	298.70	8.17
13.50	5.47	298.45	5.47
14.00	4.44	298.35	4.44
14.50	3.78	298.28	3.78
15.00	3.31	298.23	3.31
15.50	2.84	298.17	2.84
16.00	2.37	298.11	2.37
16.50	2.05	298.06	2.05
17.00	1.84	298.03	1.84
17.50	1.64	298.00	1.64
18.00	1.43	297.97	1.43
18.50	1.31	297.95	1.31
19.00	1.24	297.94	1.24
19.50	1.18	297.93	1.18
20.00	1.12	297.91	1.12
20.50	1.07	297.90	1.07
21.00	1.02	297.89	1.02
21.50	0.97	297.89	0.97
22.00	0.93	297.88	0.93
22.50	0.88	297.87	0.88
23.00	0.83	297.86	0.83
23.50	0.79	297.85	0.79
24.00	0.74	297.84	0.74

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

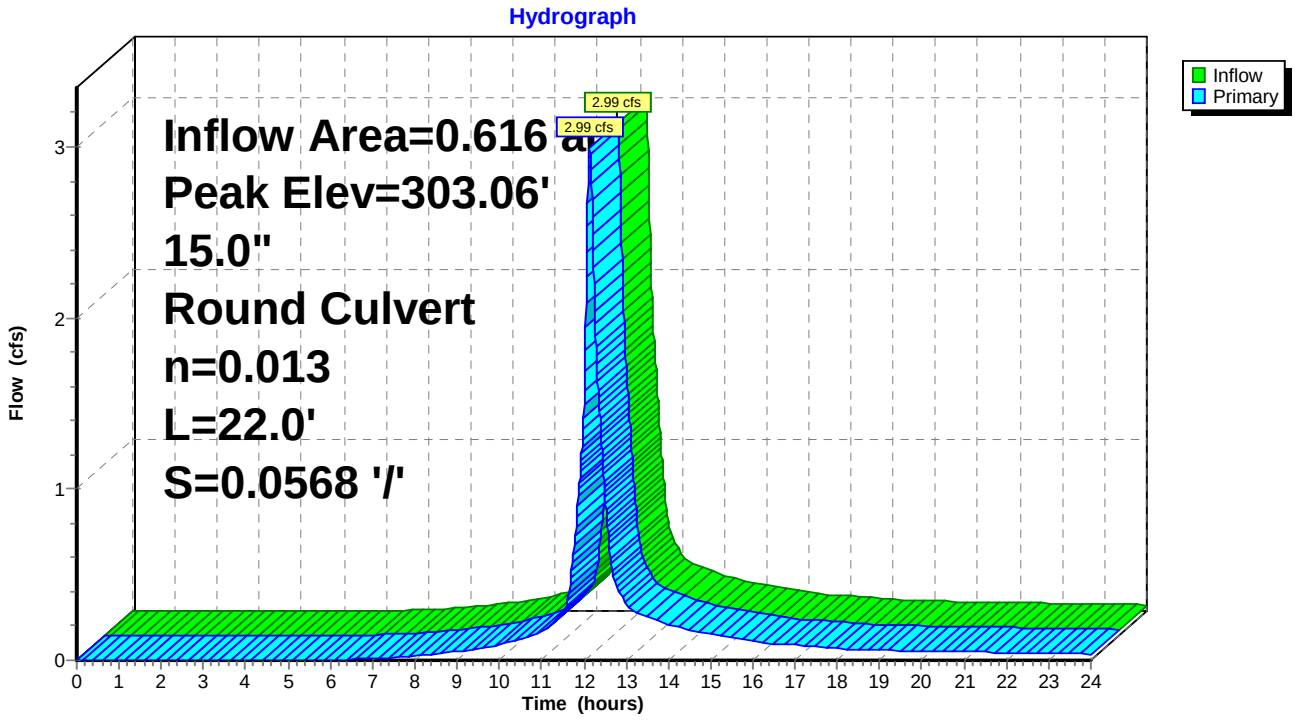
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af
Outflow = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af, Atten= 0%, Lag= 0.0 min
Primary = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.06' @ 12.14 hrs
Flood Elev= 304.80'

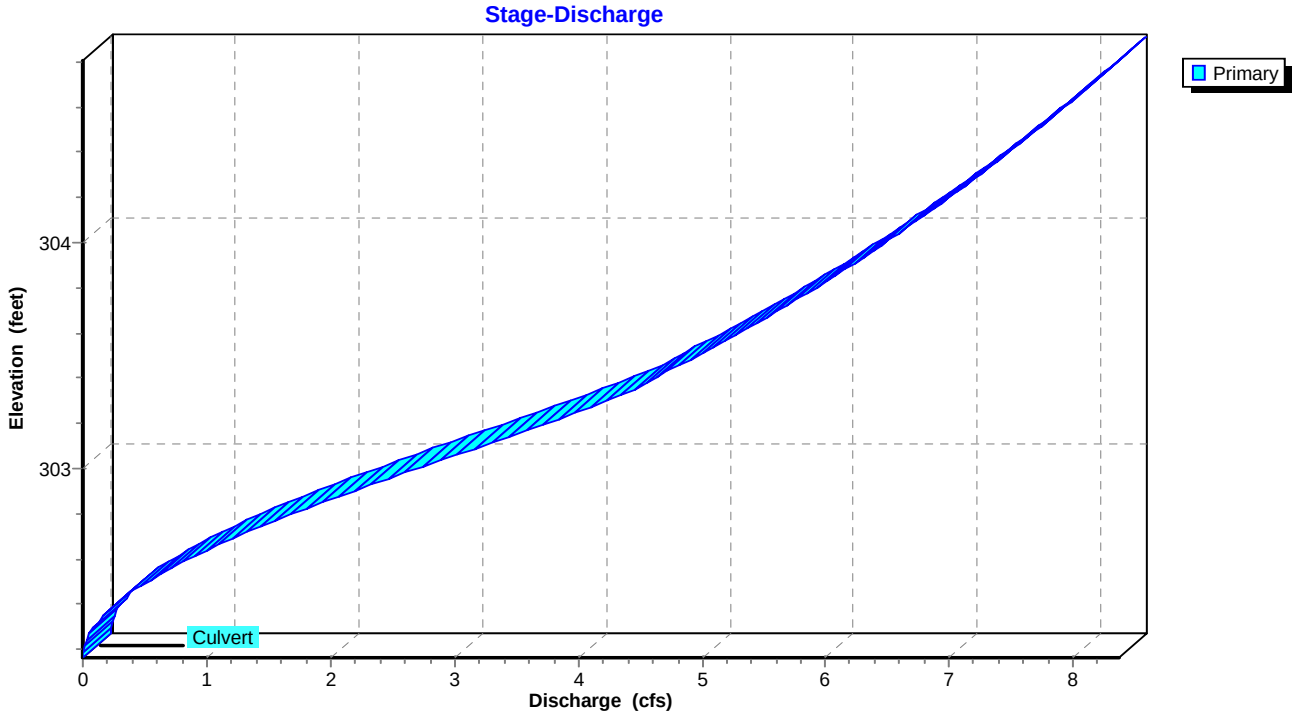
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.99 cfs @ 12.14 hrs HW=303.06' TW=302.09' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.99 cfs @ 3.21 fps)

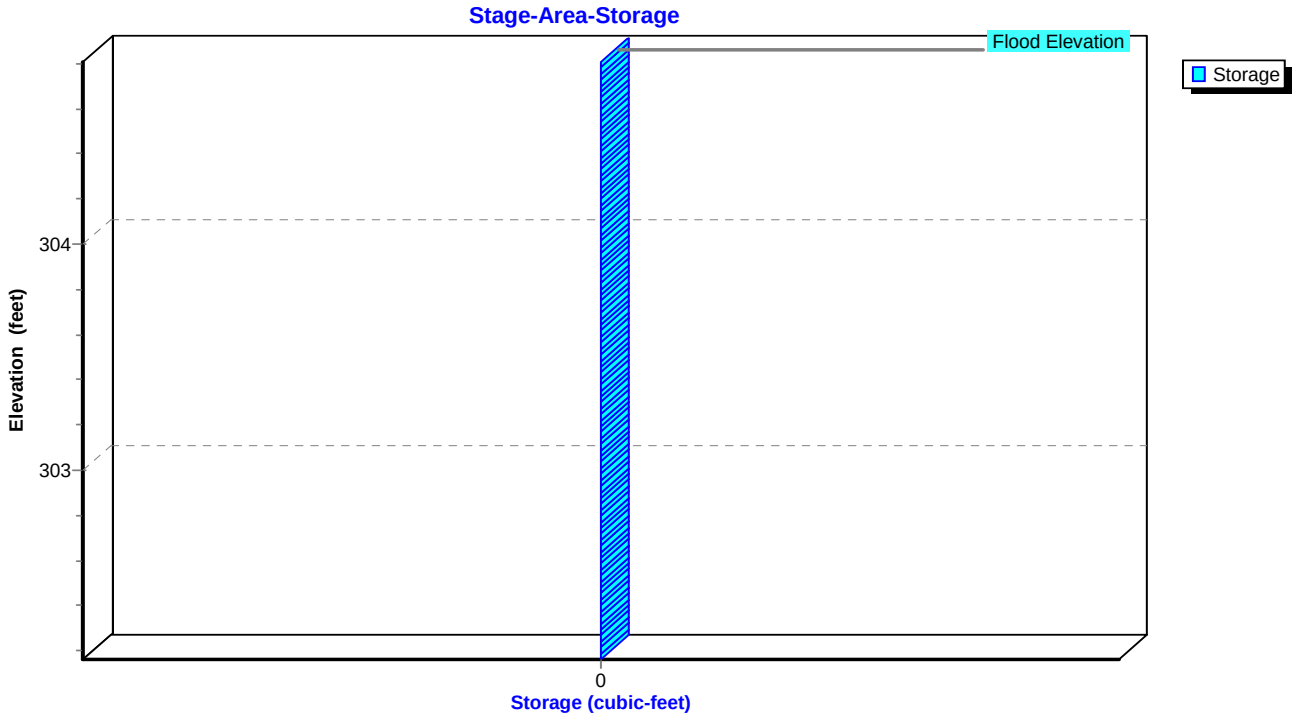
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.18	0.00
6.50	0.00	302.20	0.00
7.00	0.01	302.21	0.01
7.50	0.02	302.23	0.02
8.00	0.02	302.24	0.02
8.50	0.03	302.25	0.03
9.00	0.05	302.27	0.05
9.50	0.07	302.29	0.07
10.00	0.09	302.31	0.09
10.50	0.13	302.33	0.13
11.00	0.17	302.36	0.17
11.50	0.29	302.41	0.29
12.00	**1.49**	**302.76**	**1.49**
12.50	**0.98**	**302.64**	**0.98**
13.00	0.34	302.44	0.34
13.50	0.25	302.40	0.25
14.00	0.21	302.38	0.21
14.50	0.18	302.36	0.18
15.00	0.16	302.35	0.16
15.50	0.13	302.34	0.13
16.00	0.11	302.32	0.11
16.50	0.10	302.31	0.10
17.00	0.09	302.30	0.09
17.50	0.08	302.30	0.08
18.00	0.07	302.29	0.07
18.50	0.06	302.28	0.06
19.00	0.06	302.28	0.06
19.50	0.06	302.28	0.06
20.00	0.05	302.27	0.05
20.50	0.05	302.27	0.05
21.00	0.05	302.27	0.05
21.50	0.05	302.27	0.05
22.00	0.04	302.26	0.04
22.50	0.04	302.26	0.04
23.00	0.04	302.26	0.04
23.50	0.04	302.26	0.04
24.00	0.04	302.25	0.04

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

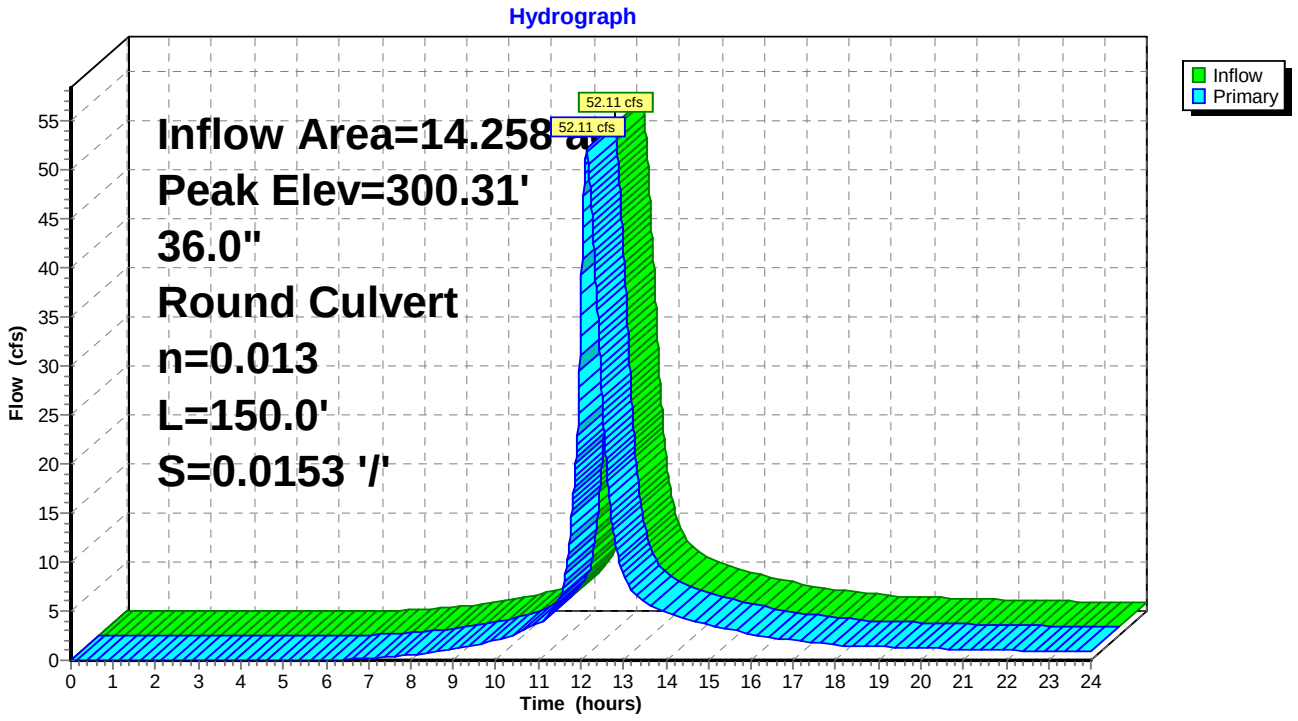
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 4.75" for 50-Year event
Inflow = 52.11 cfs @ 12.14 hrs, Volume= 5.650 af
Outflow = 52.11 cfs @ 12.14 hrs, Volume= 5.650 af, Atten= 0%, Lag= 0.0 min
Primary = 52.11 cfs @ 12.14 hrs, Volume= 5.650 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.31' @ 12.14 hrs
Flood Elev= 301.00'

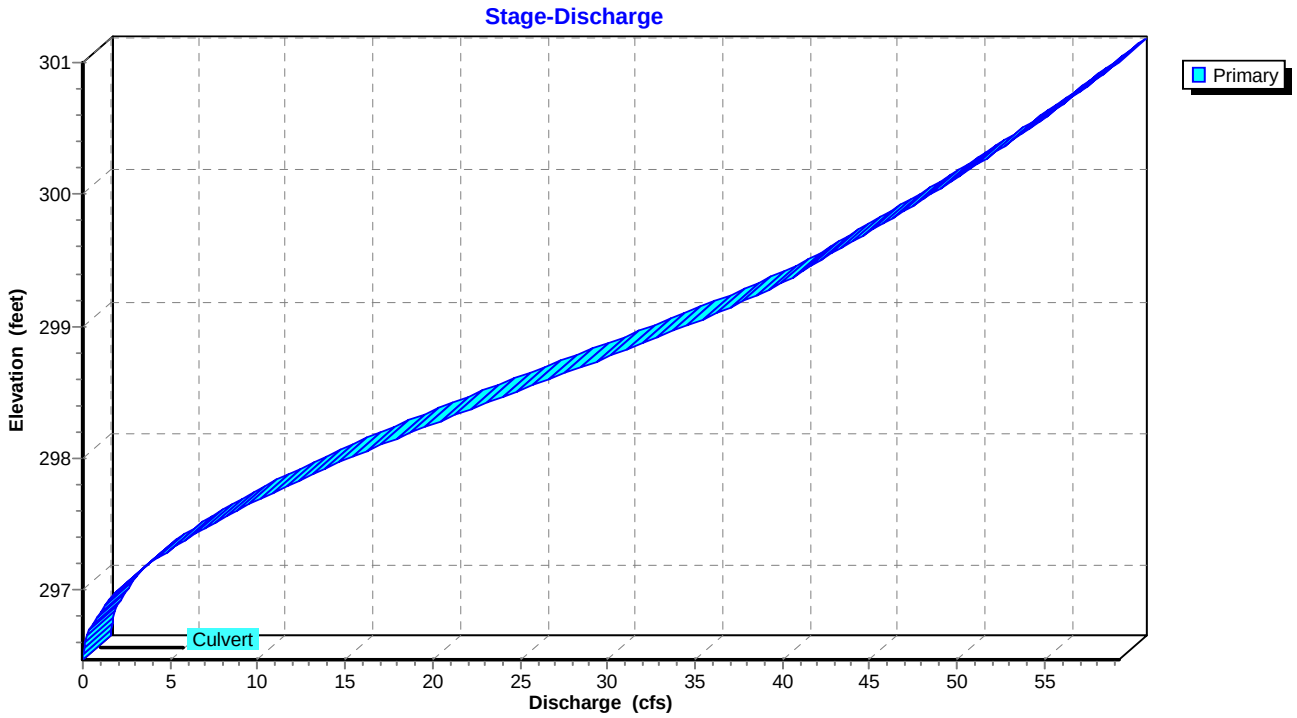
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=52.09 cfs @ 12.14 hrs HW=300.31' TW=296.84' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 52.09 cfs @ 7.37 fps)

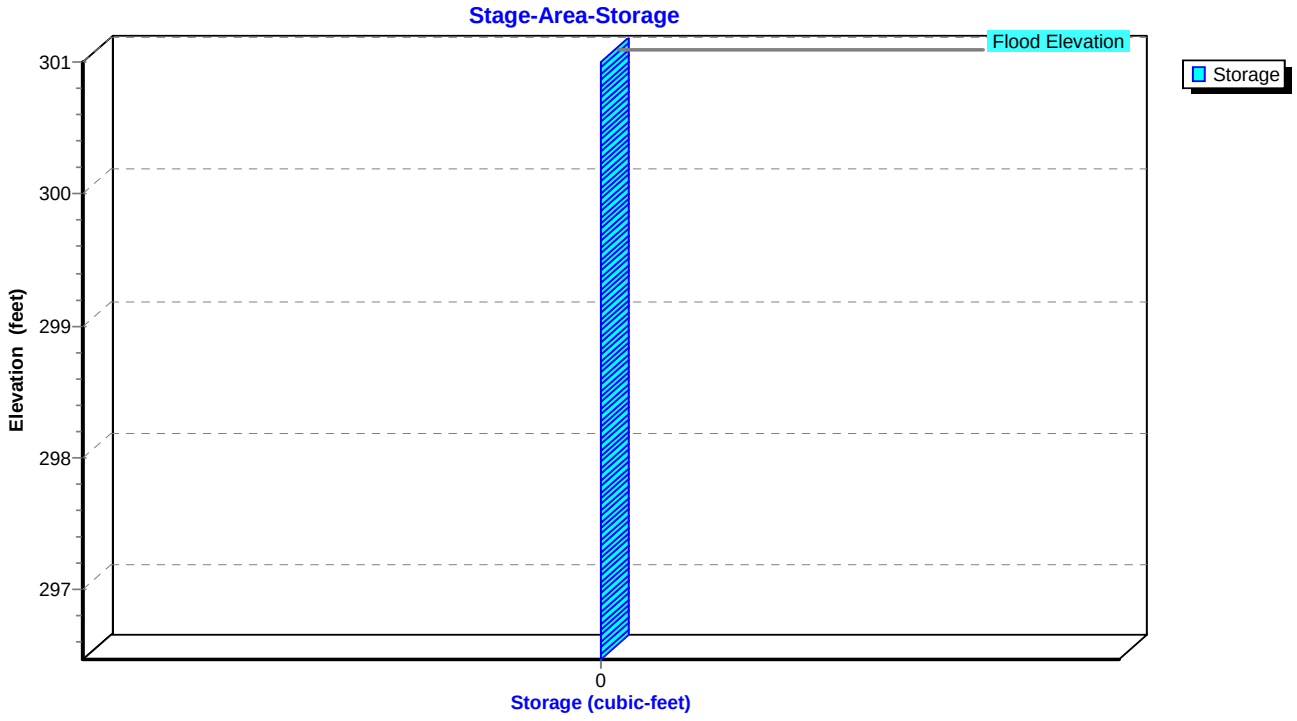
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.47	0.00
5.50	0.01	296.50	0.01
6.00	0.03	296.53	0.03
6.50	0.09	296.58	0.09
7.00	0.20	296.63	0.20
7.50	0.34	296.68	0.34
8.00	0.50	296.73	0.50
8.50	0.75	296.78	0.75
9.00	1.10	296.85	1.10
9.50	1.52	296.92	1.52
10.00	2.01	296.99	2.01
10.50	2.76	297.08	2.76
11.00	3.75	297.19	3.75
11.50	6.20	297.41	6.20
12.00	**35.08**	**299.03**	**35.08**
12.50	**26.85**	**298.61**	**26.85**
13.00	8.87	297.60	8.87
13.50	6.00	297.39	6.00
14.00	4.88	297.29	4.88
14.50	4.15	297.23	4.15
15.00	3.64	297.18	3.64
15.50	3.12	297.12	3.12
16.00	2.60	297.06	2.60
16.50	2.26	297.02	2.26
17.00	2.03	296.99	2.03
17.50	1.80	296.96	1.80
18.00	1.57	296.93	1.57
18.50	1.44	296.91	1.44
19.00	1.37	296.90	1.37
19.50	1.30	296.89	1.30
20.00	1.23	296.87	1.23
20.50	1.18	296.86	1.18
21.00	1.13	296.86	1.13
21.50	1.07	296.85	1.07
22.00	1.02	296.84	1.02
22.50	0.97	296.83	0.97
23.00	0.92	296.82	0.92
23.50	0.87	296.81	0.87
24.00	0.81	296.80	0.81

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

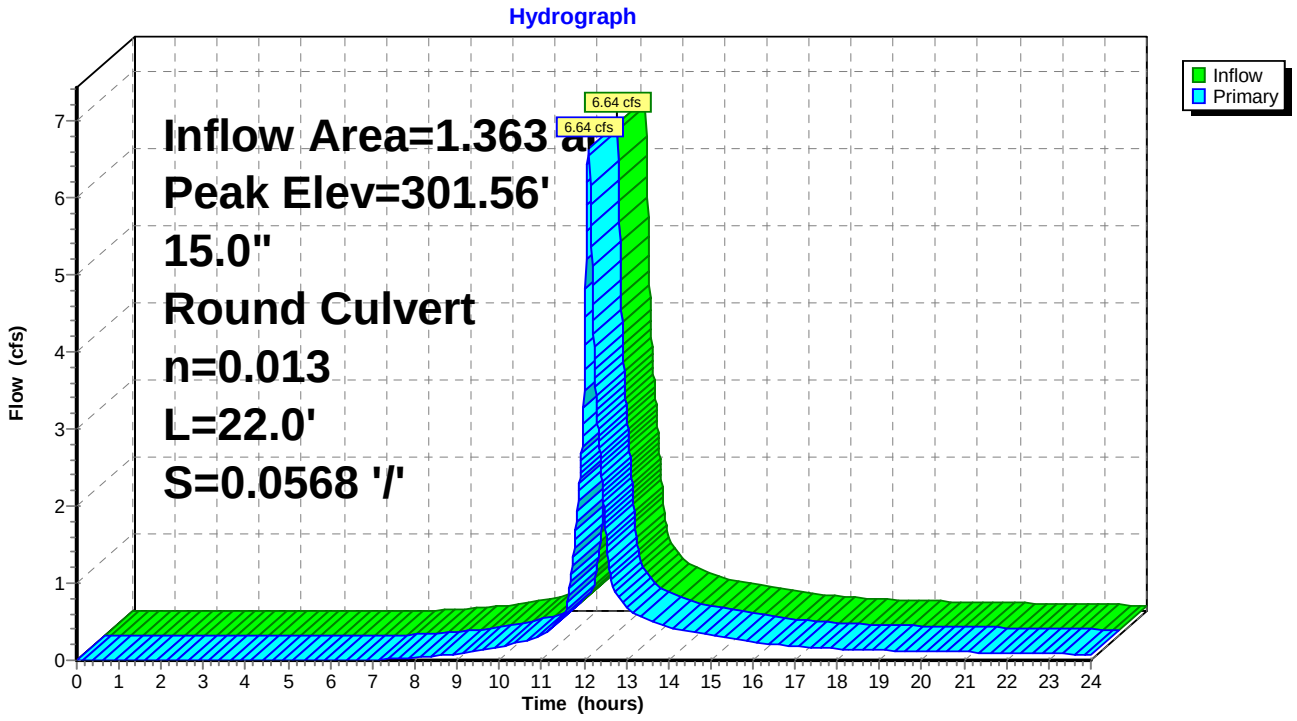
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 4.47" for 50-Year event
Inflow = 6.64 cfs @ 12.11 hrs, Volume= 0.508 af
Outflow = 6.64 cfs @ 12.11 hrs, Volume= 0.508 af, Atten= 0%, Lag= 0.0 min
Primary = 6.64 cfs @ 12.11 hrs, Volume= 0.508 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.56' @ 12.11 hrs
Flood Elev= 302.30'

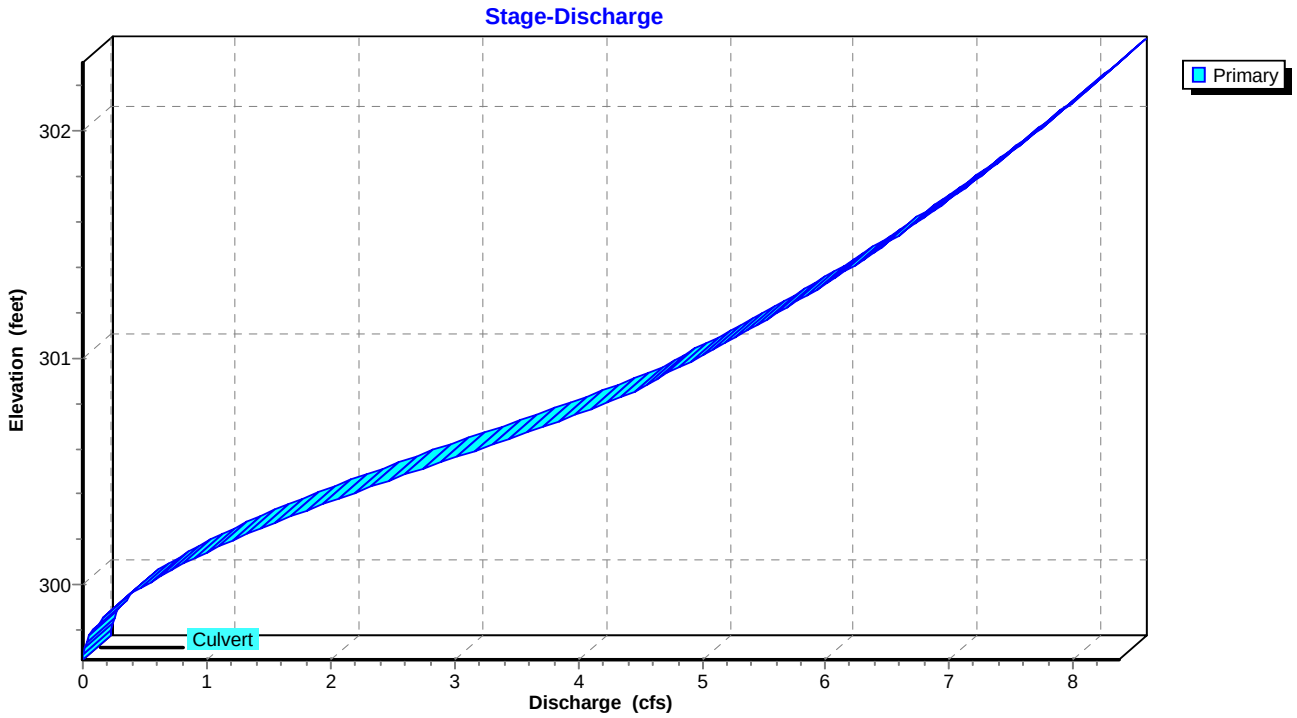
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.63 cfs @ 12.11 hrs HW=301.56' TW=300.23' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.63 cfs @ 5.41 fps)

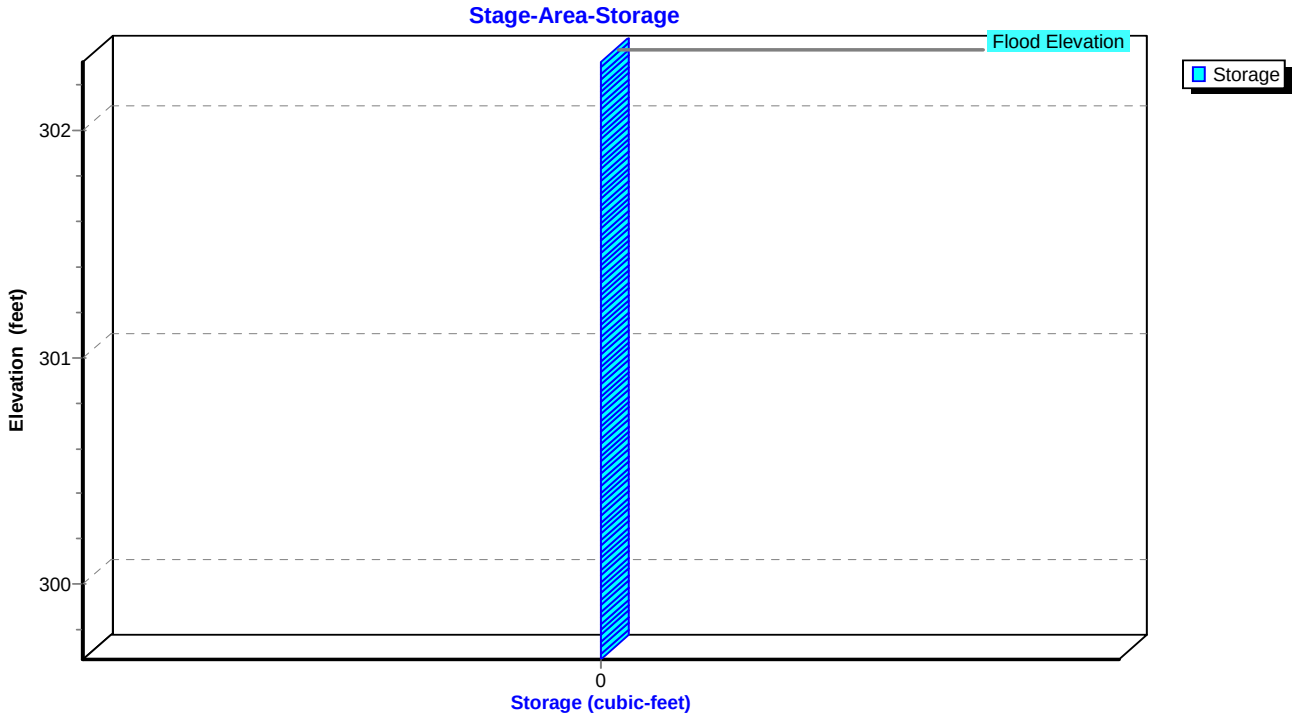
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.67	0.00
7.00	0.01	299.71	0.01
7.50	0.02	299.73	0.02
8.00	0.03	299.75	0.03
8.50	0.05	299.78	0.05
9.00	0.08	299.80	0.08
9.50	0.12	299.83	0.12
10.00	0.17	299.86	0.17
10.50	0.24	299.89	0.24
11.00	0.33	299.93	0.33
11.50	0.58	300.02	0.58
12.00	**3.51**	**300.66**	**3.51**
12.50	**1.83**	**300.33**	**1.83**
13.00	0.69	300.06	0.69
13.50	0.53	300.01	0.53
14.00	0.44	299.98	0.44
14.50	0.38	299.95	0.38
15.00	0.33	299.93	0.33
15.50	0.28	299.91	0.28
16.00	0.23	299.89	0.23
16.50	0.21	299.88	0.21
17.00	0.19	299.87	0.19
17.50	0.16	299.85	0.16
18.00	0.14	299.84	0.14
18.50	0.13	299.84	0.13
19.00	0.13	299.83	0.13
19.50	0.12	299.83	0.12
20.00	0.11	299.82	0.11
20.50	0.11	299.82	0.11
21.00	0.10	299.82	0.10
21.50	0.10	299.81	0.10
22.00	0.09	299.81	0.09
22.50	0.09	299.81	0.09
23.00	0.09	299.80	0.09
23.50	0.08	299.80	0.08
24.00	0.08	299.79	0.08

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

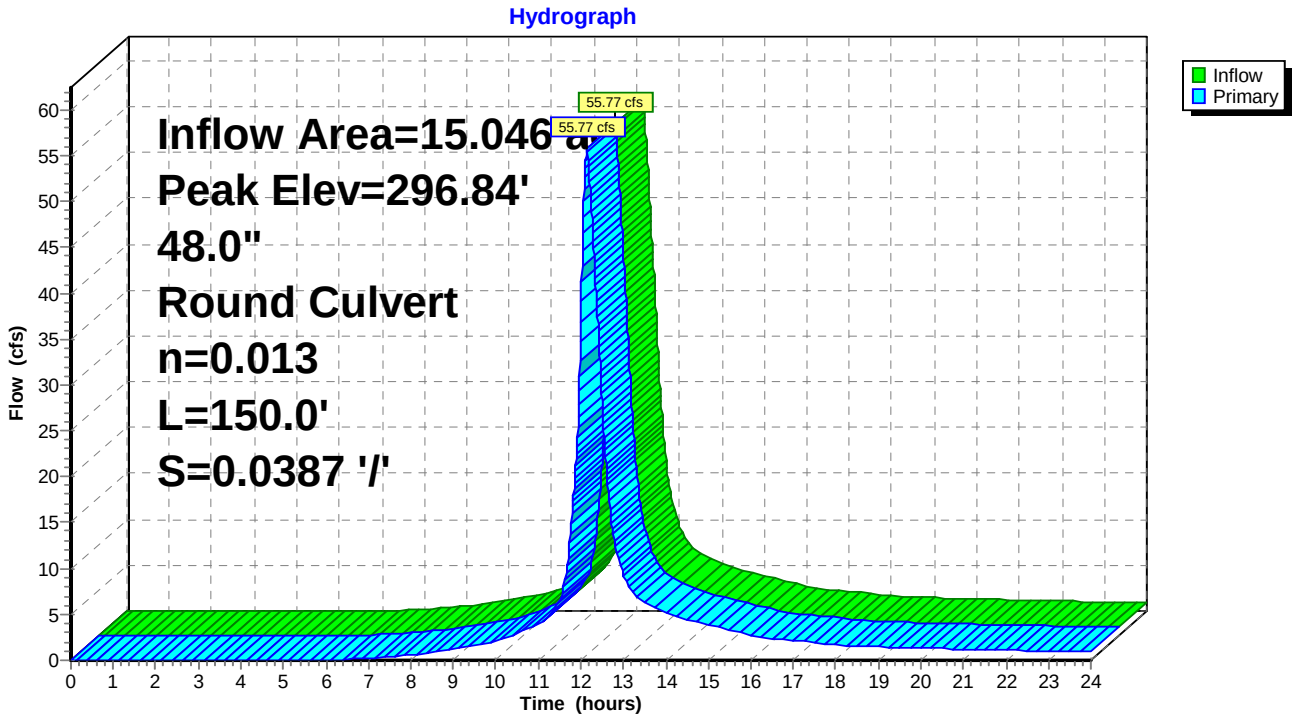
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 4.76" for 50-Year event
Inflow = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af
Outflow = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af, Atten= 0%, Lag= 0.0 min
Primary = 55.77 cfs @ 12.14 hrs, Volume= 5.964 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.84' @ 12.14 hrs
Flood Elev= 298.50'

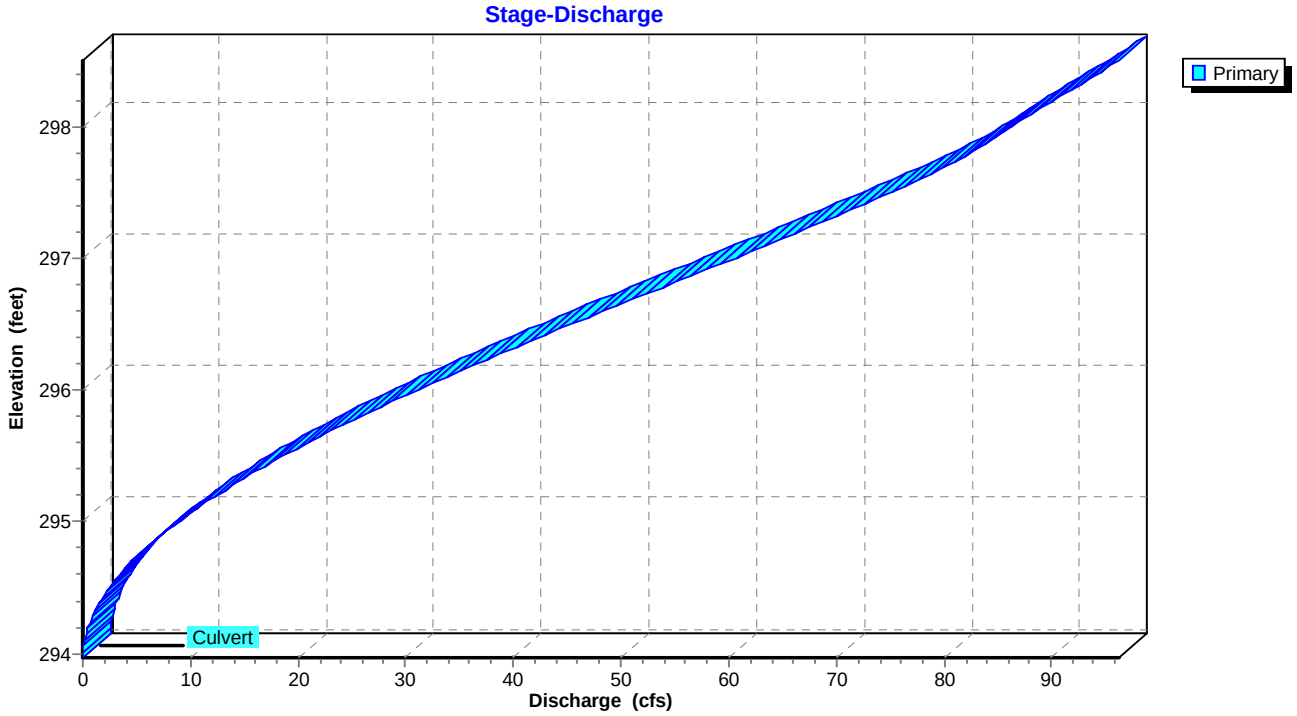
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=55.73 cfs @ 12.14 hrs HW=296.84' TW=289.80' (Dynamic Tailwater)
1=Culvert (Inlet Controls 55.73 cfs @ 5.77 fps)

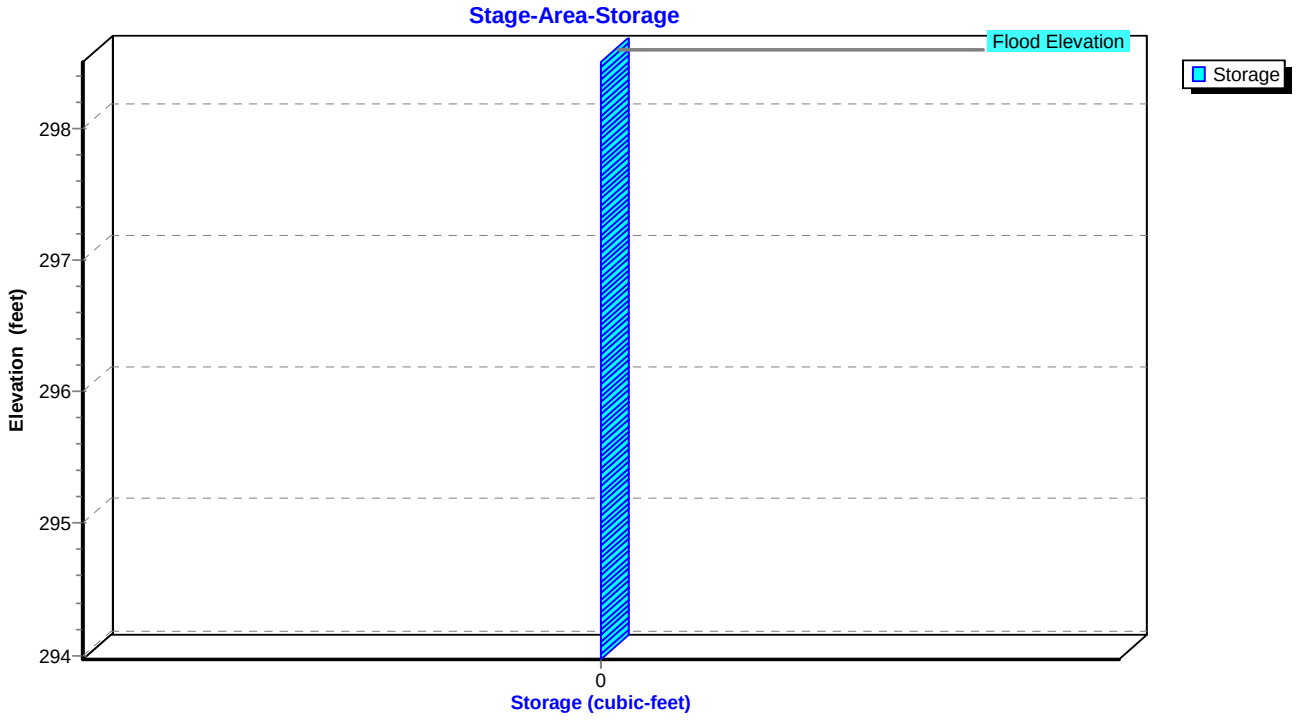
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.97	0.00
5.50	0.01	293.99	0.01
6.00	0.03	294.03	0.03
6.50	0.10	294.07	0.10
7.00	0.21	294.12	0.21
7.50	0.36	294.17	0.36
8.00	0.53	294.21	0.53
8.50	0.80	294.27	0.80
9.00	1.16	294.33	1.16
9.50	1.61	294.40	1.61
10.00	2.13	294.46	2.13
10.50	2.91	294.55	2.91
11.00	3.97	294.65	3.97
11.50	6.55	294.85	6.55
12.00	**36.86**	**296.21**	**36.86**
12.50	**28.20**	**295.89**	**28.20**
13.00	9.31	295.03	9.31
13.50	6.33	294.83	6.33
14.00	5.15	294.75	5.15
14.50	4.38	294.68	4.38
15.00	3.84	294.64	3.84
15.50	3.29	294.59	3.29
16.00	2.75	294.53	2.75
16.50	2.39	294.49	2.39
17.00	2.14	294.47	2.14
17.50	1.90	294.44	1.90
18.00	1.66	294.40	1.66
18.50	1.52	294.39	1.52
19.00	1.45	294.38	1.45
19.50	1.37	294.37	1.37
20.00	1.30	294.35	1.30
20.50	1.24	294.35	1.24
21.00	1.19	294.34	1.19
21.50	1.13	294.33	1.13
22.00	1.08	294.32	1.08
22.50	1.02	294.31	1.02
23.00	0.97	294.30	0.97
23.50	0.91	294.29	0.91
24.00	0.86	294.28	0.86

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

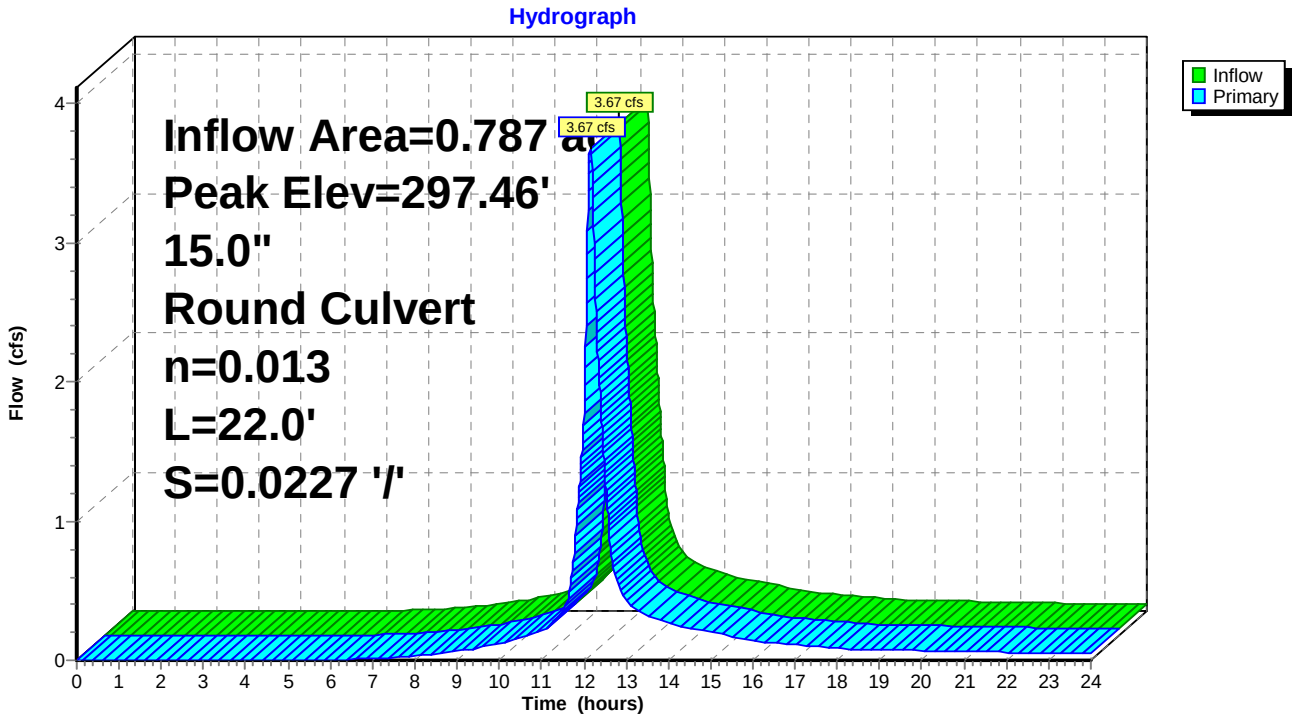
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 3.67 cfs @ 12.15 hrs, Volume= 0.315 af
Outflow = 3.67 cfs @ 12.15 hrs, Volume= 0.315 af, Atten= 0%, Lag= 0.0 min
Primary = 3.67 cfs @ 12.15 hrs, Volume= 0.315 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.46' @ 12.15 hrs
Flood Elev= 299.00'

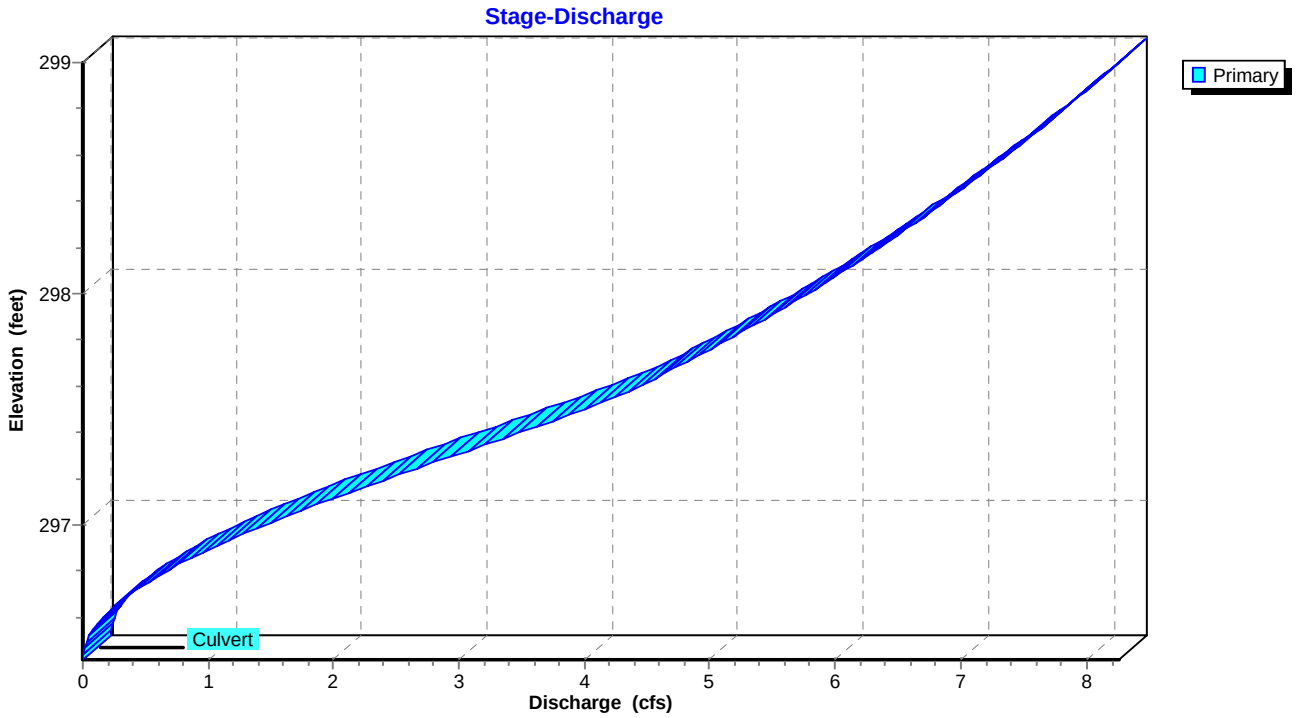
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.68 cfs @ 12.15 hrs HW=297.46' TW=296.84' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.68 cfs @ 4.56 fps)

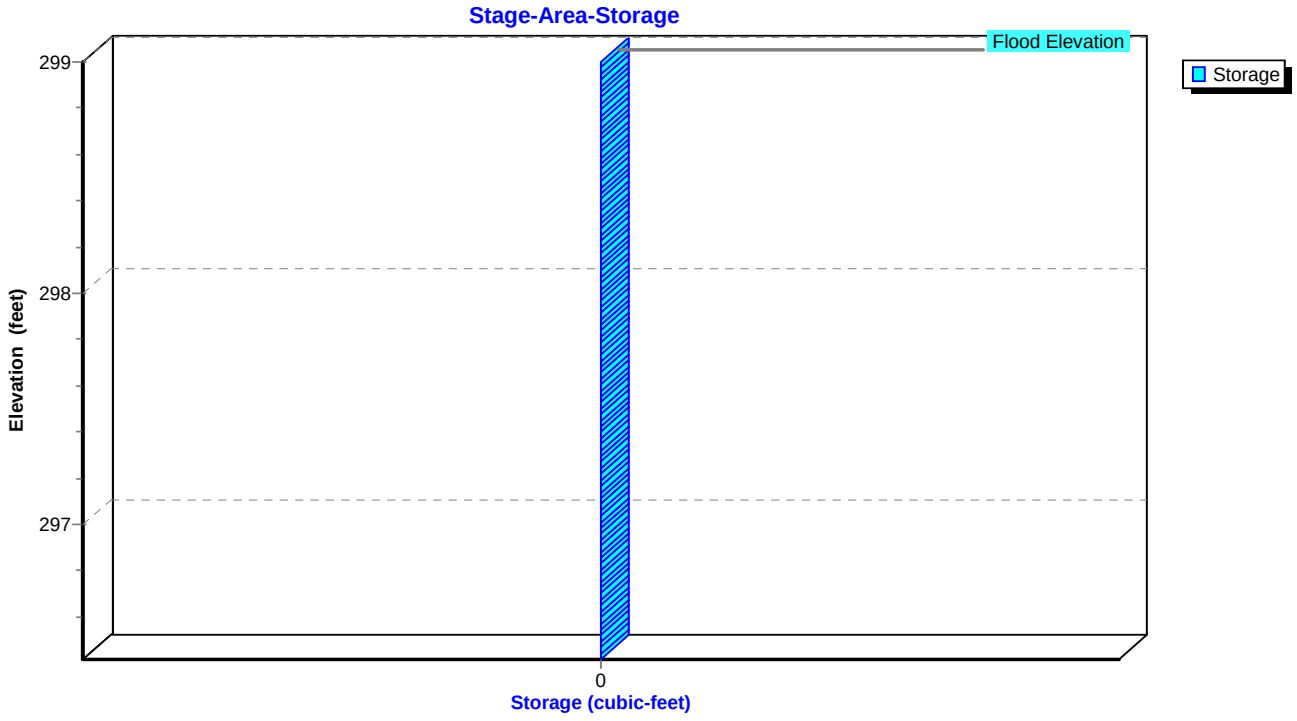
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.44	0.00
6.50	0.01	296.45	0.01
7.00	0.01	296.47	0.01
7.50	0.02	296.48	0.02
8.00	0.03	296.50	0.03
8.50	0.04	296.51	0.04
9.00	0.06	296.53	0.06
9.50	0.09	296.55	0.09
10.00	0.12	296.57	0.12
10.50	0.16	296.60	0.16
11.00	0.21	296.63	0.21
11.50	0.36	296.69	0.36
12.00	**1.77**	**297.07**	**1.77**
12.50	**1.35**	**296.98**	**1.35**
13.00	0.44	296.73	0.44
13.50	0.32	296.68	0.32
14.00	0.27	296.66	0.27
14.50	0.23	296.64	0.23
15.00	0.20	296.62	0.20
15.50	0.17	296.61	0.17
16.00	0.14	296.59	0.14
16.50	0.12	296.58	0.12
17.00	0.11	296.57	0.11
17.50	0.10	296.56	0.10
18.00	0.09	296.55	0.09
18.50	0.08	296.55	0.08
19.00	0.08	296.54	0.08
19.50	0.07	296.54	0.07
20.00	0.07	296.54	0.07
20.50	0.07	296.53	0.07
21.00	0.06	296.53	0.06
21.50	0.06	296.53	0.06
22.00	0.06	296.53	0.06
22.50	0.05	296.52	0.05
23.00	0.05	296.52	0.05
23.50	0.05	296.52	0.05
24.00	0.04	296.52	0.04

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

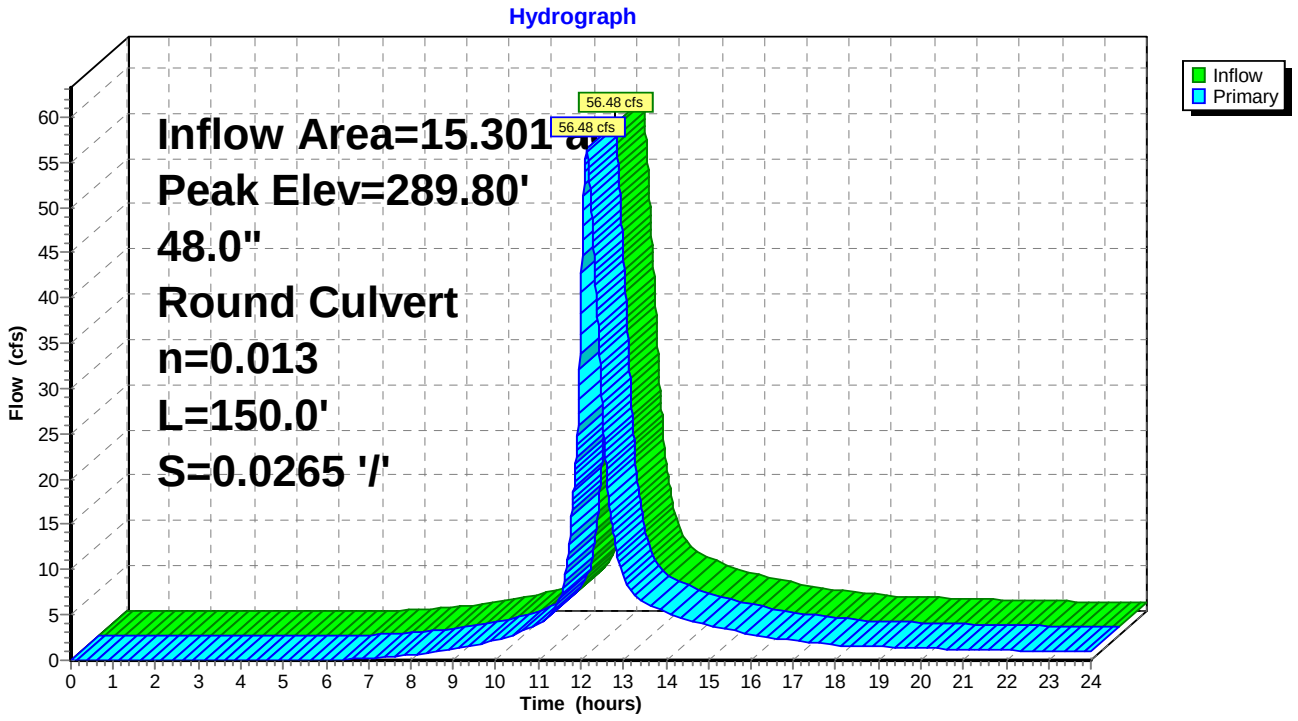
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 4.76" for 50-Year event
Inflow = 56.48 cfs @ 12.14 hrs, Volume= 6.064 af
Outflow = 56.48 cfs @ 12.14 hrs, Volume= 6.064 af, Atten= 0%, Lag= 0.0 min
Primary = 56.48 cfs @ 12.14 hrs, Volume= 6.064 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 289.80' @ 12.14 hrs
Flood Elev= 292.50'

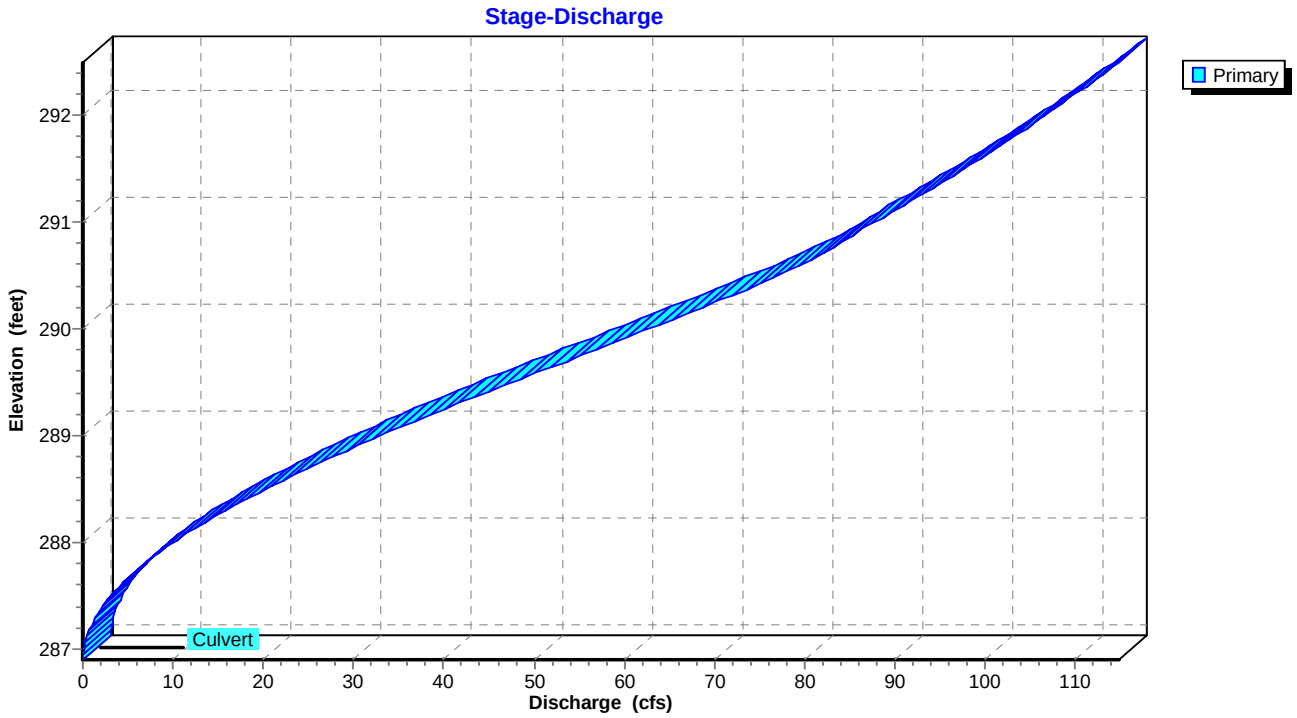
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=56.45 cfs @ 12.14 hrs HW=289.80' TW=286.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 56.45 cfs @ 5.79 fps)

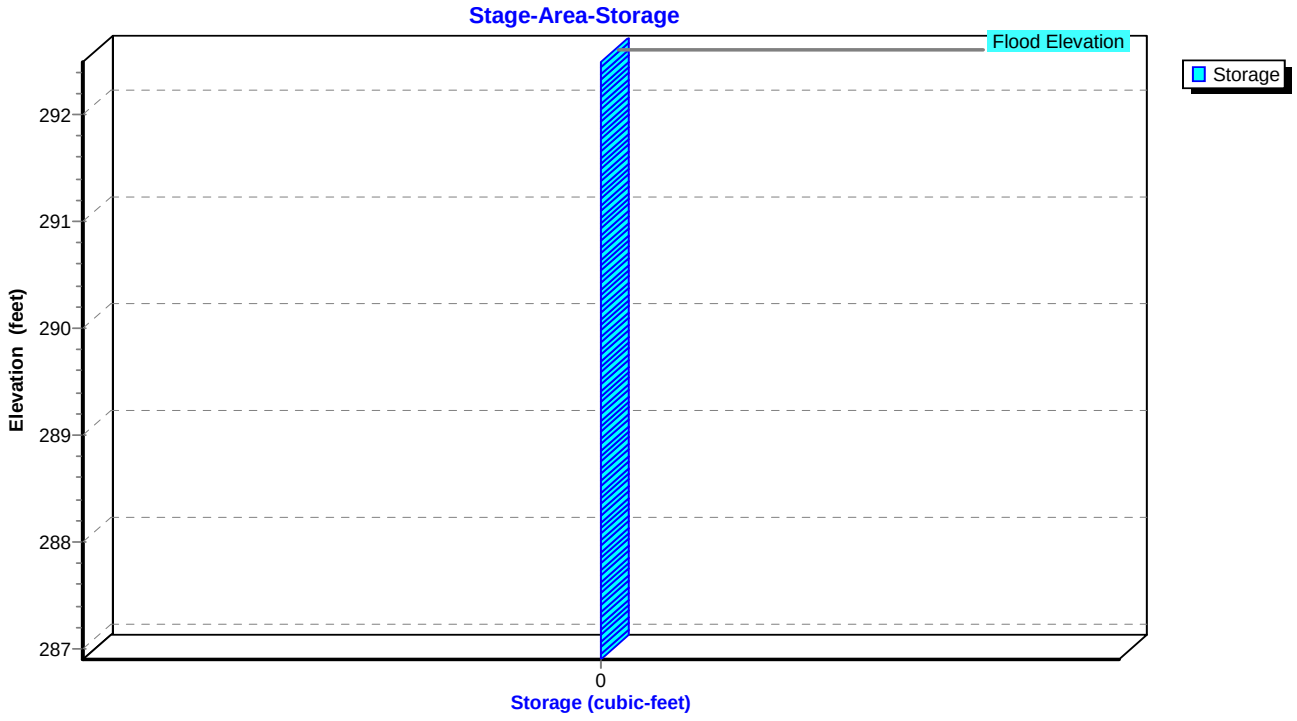
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.90	0.00
5.50	0.01	286.92	0.01
6.00	0.03	286.96	0.03
6.50	0.10	287.00	0.10
7.00	0.21	287.05	0.21
7.50	0.36	287.10	0.36
8.00	0.54	287.15	0.54
8.50	0.81	287.20	0.81
9.00	1.18	287.27	1.18
9.50	1.64	287.33	1.64
10.00	2.17	287.40	2.17
10.50	2.97	287.49	2.97
11.00	4.04	287.59	4.04
11.50	6.68	287.79	6.68
12.00	**38.23**	**289.19**	**38.23**
12.50	**28.43**	**288.83**	**28.43**
13.00	9.43	287.96	9.43
13.50	6.43	287.77	6.43
14.00	5.23	287.68	5.23
14.50	4.45	287.62	4.45
15.00	3.90	287.57	3.90
15.50	3.35	287.52	3.35
16.00	2.79	287.47	2.79
16.50	2.42	287.43	2.42
17.00	2.18	287.40	2.18
17.50	1.93	287.37	1.93
18.00	1.69	287.34	1.69
18.50	1.55	287.32	1.55
19.00	1.47	287.31	1.47
19.50	1.40	287.30	1.40
20.00	1.32	287.29	1.32
20.50	1.26	287.28	1.26
21.00	1.21	287.27	1.21
21.50	1.15	287.26	1.15
22.00	1.10	287.25	1.10
22.50	1.04	287.24	1.04
23.00	0.99	287.23	0.99
23.50	0.93	287.22	0.93
24.00	0.87	287.21	0.87

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

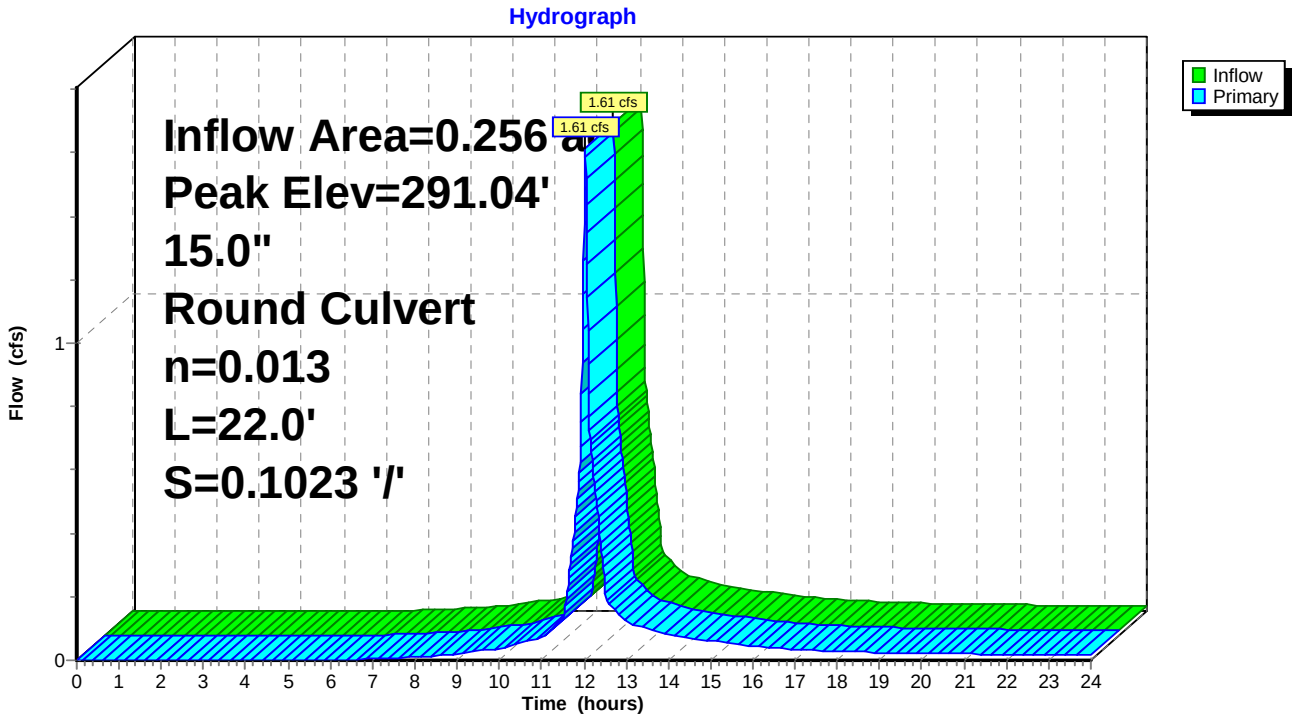
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 4.69" for 50-Year event
Inflow = 1.61 cfs @ 12.03 hrs, Volume= 0.100 af
Outflow = 1.61 cfs @ 12.03 hrs, Volume= 0.100 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.03 hrs, Volume= 0.100 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 291.04' @ 12.03 hrs
Flood Elev= 293.00'

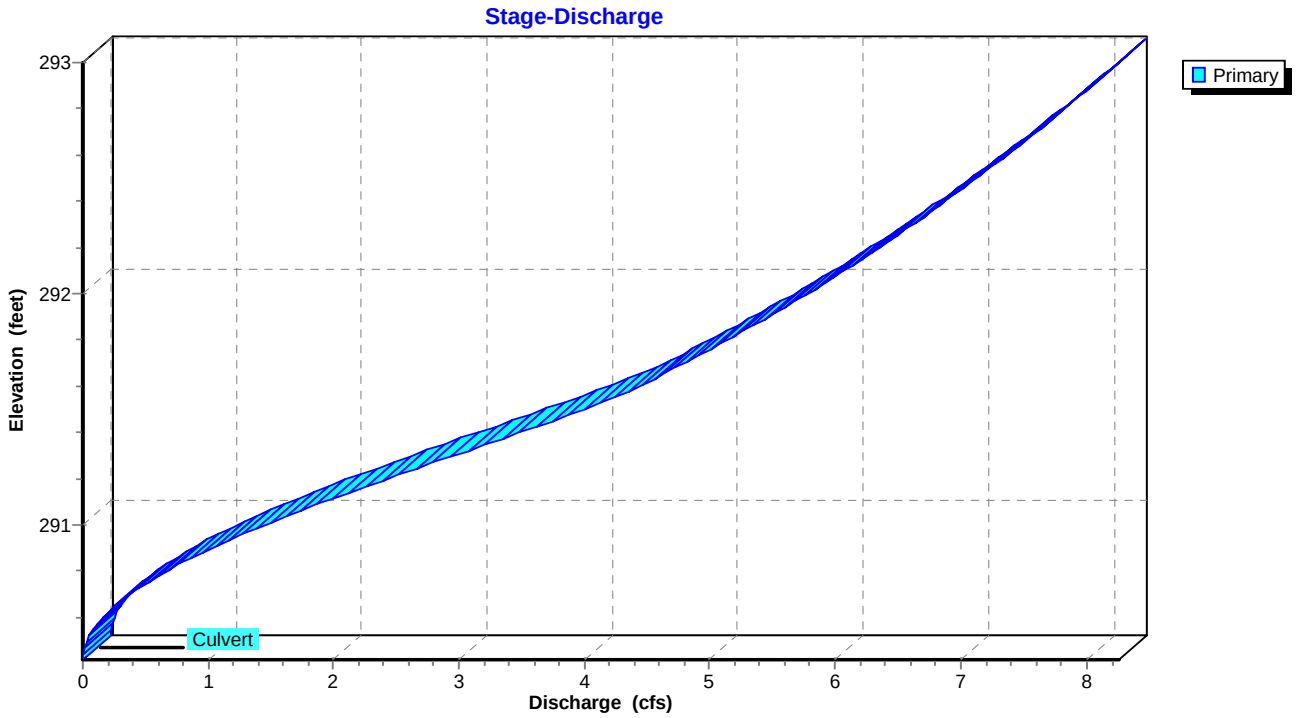
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.61 cfs @ 12.03 hrs HW=291.04' TW=289.41' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.61 cfs @ 2.67 fps)

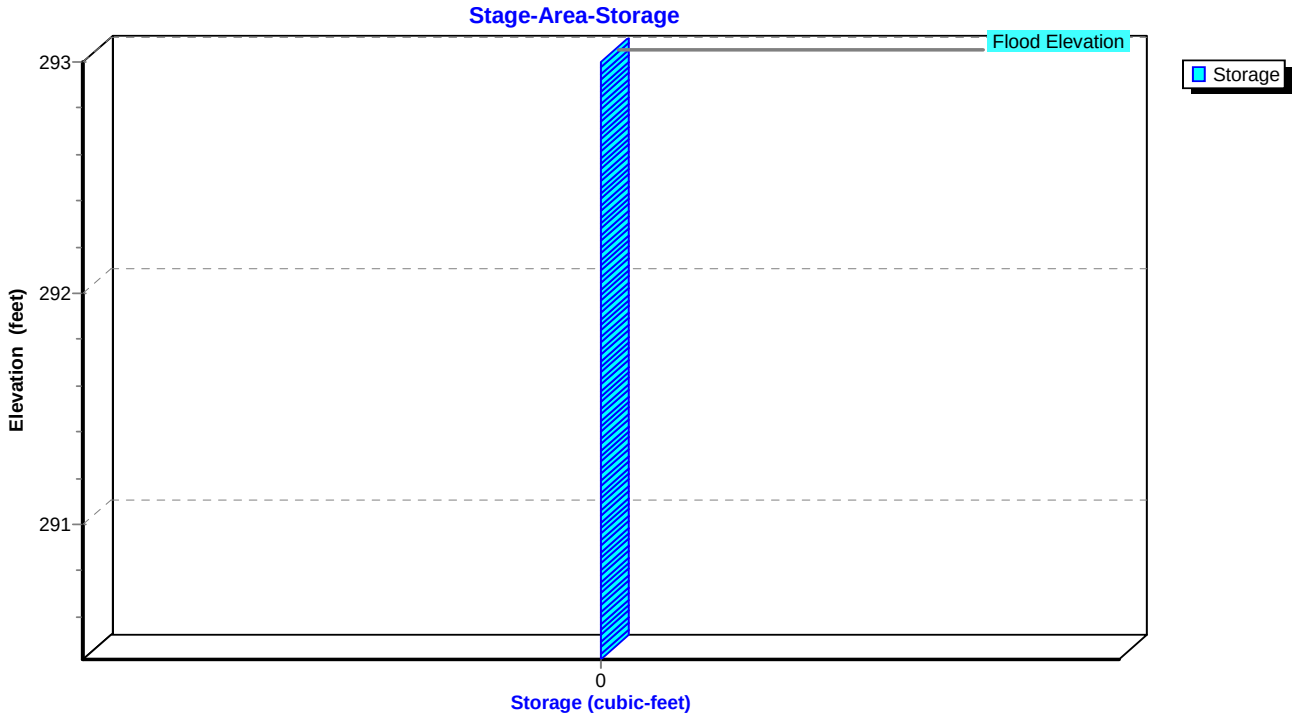
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.42	0.00
6.50	0.00	290.44	0.00
7.00	0.00	290.45	0.00
7.50	0.01	290.46	0.01
8.00	0.01	290.46	0.01
8.50	0.01	290.47	0.01
9.00	0.02	290.48	0.02
9.50	0.03	290.50	0.03
10.00	0.04	290.51	0.04
10.50	0.05	290.52	0.05
11.00	0.07	290.54	0.07
11.50	0.13	290.58	0.13
12.00	**1.37**	**290.98**	**1.37**
12.50	**0.23**	**290.64**	**0.23**
13.00	0.12	290.58	0.12
13.50	0.10	290.56	0.10
14.00	0.08	290.55	0.08
14.50	0.07	290.54	0.07
15.00	0.06	290.53	0.06
15.50	0.05	290.52	0.05
16.00	0.04	290.51	0.04
16.50	0.04	290.51	0.04
17.00	0.03	290.50	0.03
17.50	0.03	290.50	0.03
18.00	0.03	290.49	0.03
18.50	0.03	290.49	0.03
19.00	0.02	290.49	0.02
19.50	0.02	290.49	0.02
20.00	0.02	290.49	0.02
20.50	0.02	290.48	0.02
21.00	0.02	290.48	0.02
21.50	0.02	290.48	0.02
22.00	0.02	290.48	0.02
22.50	0.02	290.48	0.02
23.00	0.02	290.48	0.02
23.50	0.02	290.47	0.02
24.00	0.01	290.47	0.01

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

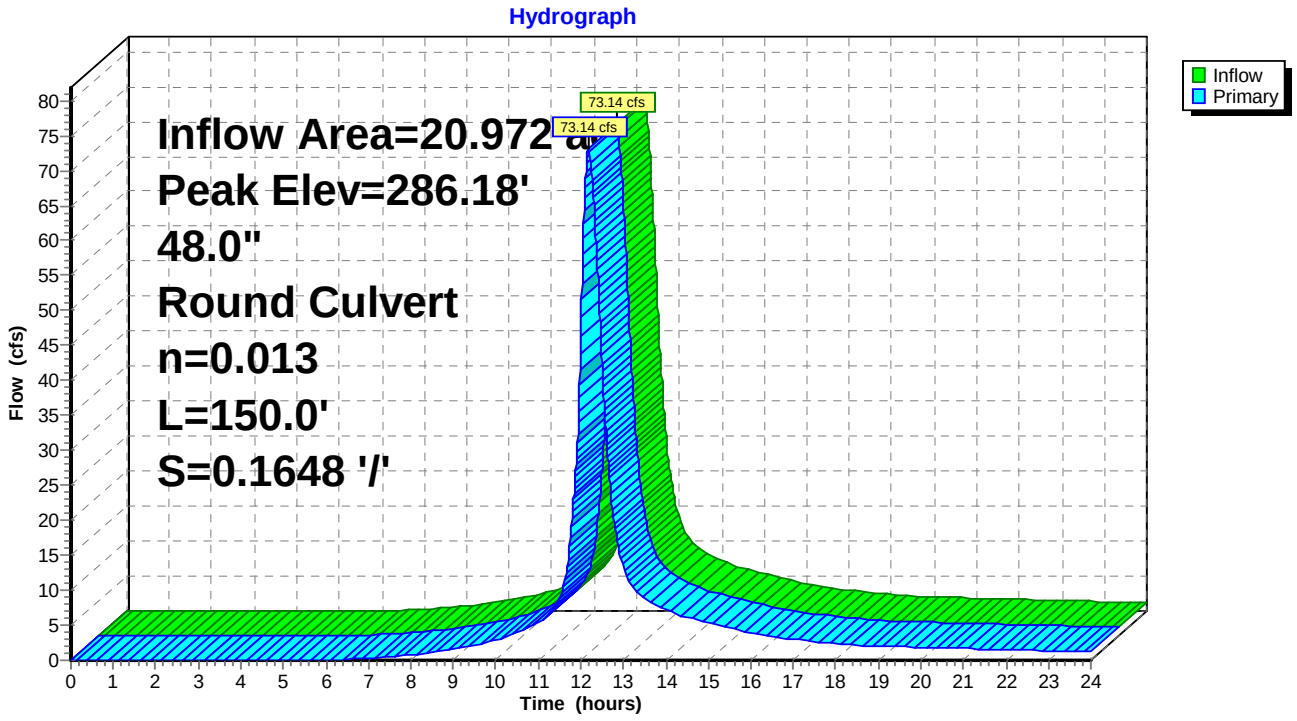
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 4.73" for 50-Year event
Inflow = 73.14 cfs @ 12.18 hrs, Volume= 8.275 af
Outflow = 73.14 cfs @ 12.18 hrs, Volume= 8.275 af, Atten= 0%, Lag= 0.0 min
Primary = 73.14 cfs @ 12.18 hrs, Volume= 8.275 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 286.18' @ 12.18 hrs
Flood Elev= 287.25'

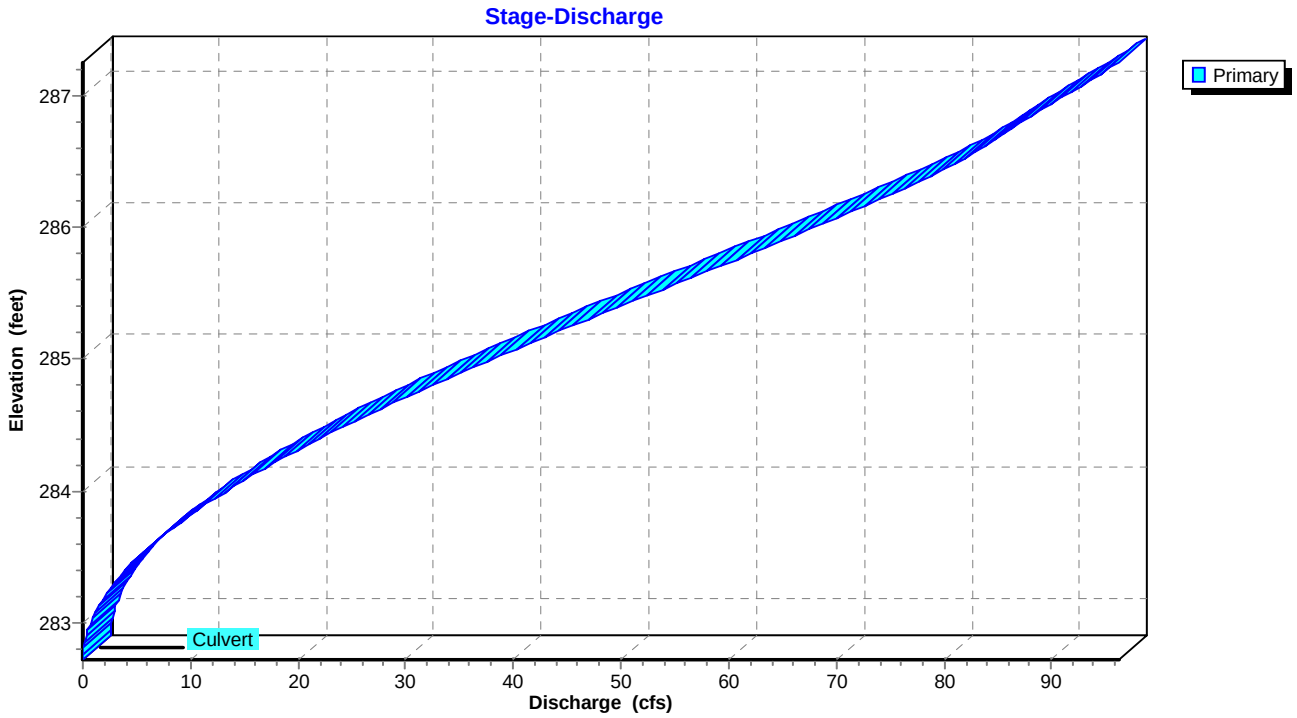
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=73.12 cfs @ 12.18 hrs HW=286.18' (Free Discharge)
1=Culvert (Inlet Controls 73.12 cfs @ 6.33 fps)

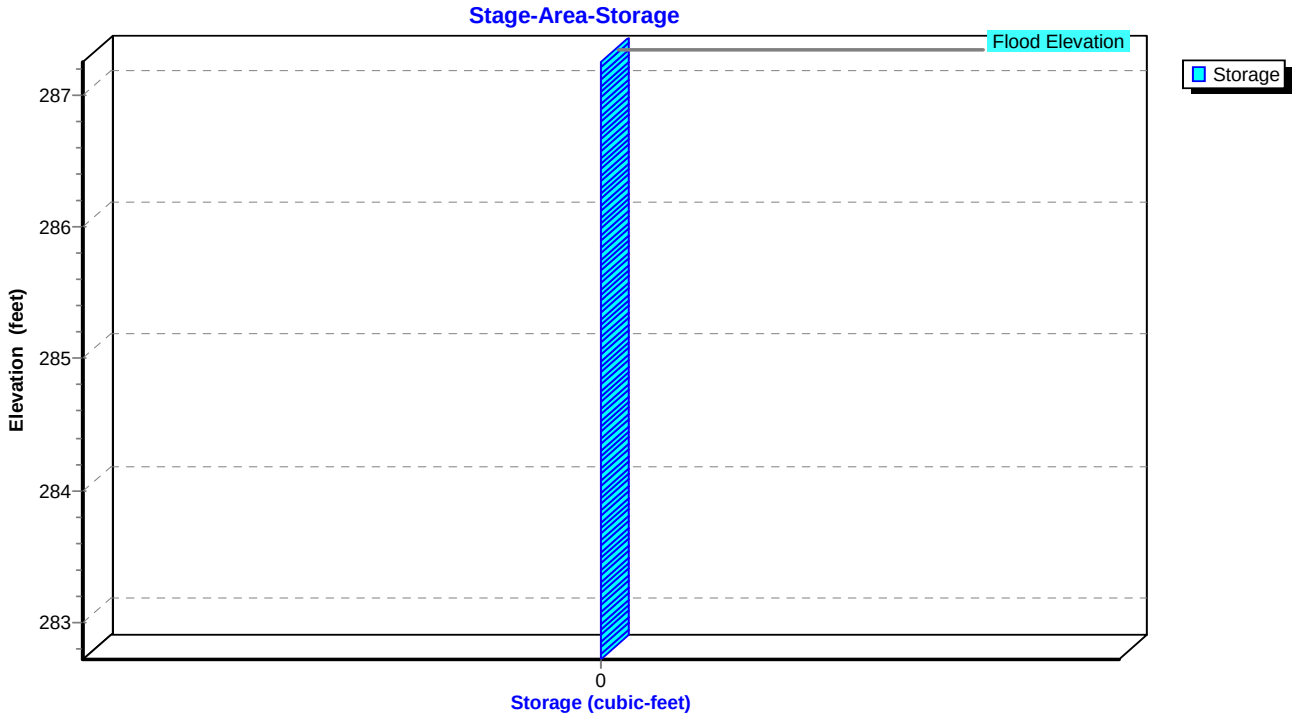
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.72	0.00
5.50	0.01	282.74	0.01
6.00	0.03	282.78	0.03
6.50	0.11	282.83	0.11
7.00	0.27	282.89	0.27
7.50	0.47	282.95	0.47
8.00	0.71	283.00	0.71
8.50	1.06	283.07	1.06
9.00	1.56	283.14	1.56
9.50	2.17	283.22	2.17
10.00	2.89	283.30	2.89
10.50	3.95	283.40	3.95
11.00	5.40	283.52	5.40
11.50	8.81	283.75	8.81
12.00	**46.44**	**285.29**	**46.44**
12.50	**42.44**	**285.15**	**42.44**
13.00	13.41	284.00	13.41
13.50	8.89	283.75	8.89
14.00	7.24	283.65	7.24
14.50	6.14	283.57	6.14
15.00	5.38	283.51	5.38
15.50	4.63	283.46	4.63
16.00	3.86	283.39	3.86
16.50	3.34	283.34	3.34
17.00	3.00	283.31	3.00
17.50	2.66	283.27	2.66
18.00	2.33	283.24	2.33
18.50	2.12	283.21	2.12
19.00	2.02	283.20	2.02
19.50	1.92	283.19	1.92
20.00	1.82	283.18	1.82
20.50	1.73	283.16	1.73
21.00	1.66	283.15	1.66
21.50	1.58	283.14	1.58
22.00	1.51	283.13	1.51
22.50	1.43	283.12	1.43
23.00	1.35	283.11	1.35
23.50	1.28	283.10	1.28
24.00	1.20	283.09	1.20

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

[58] Hint: Peaked 1.96' above defined flood level

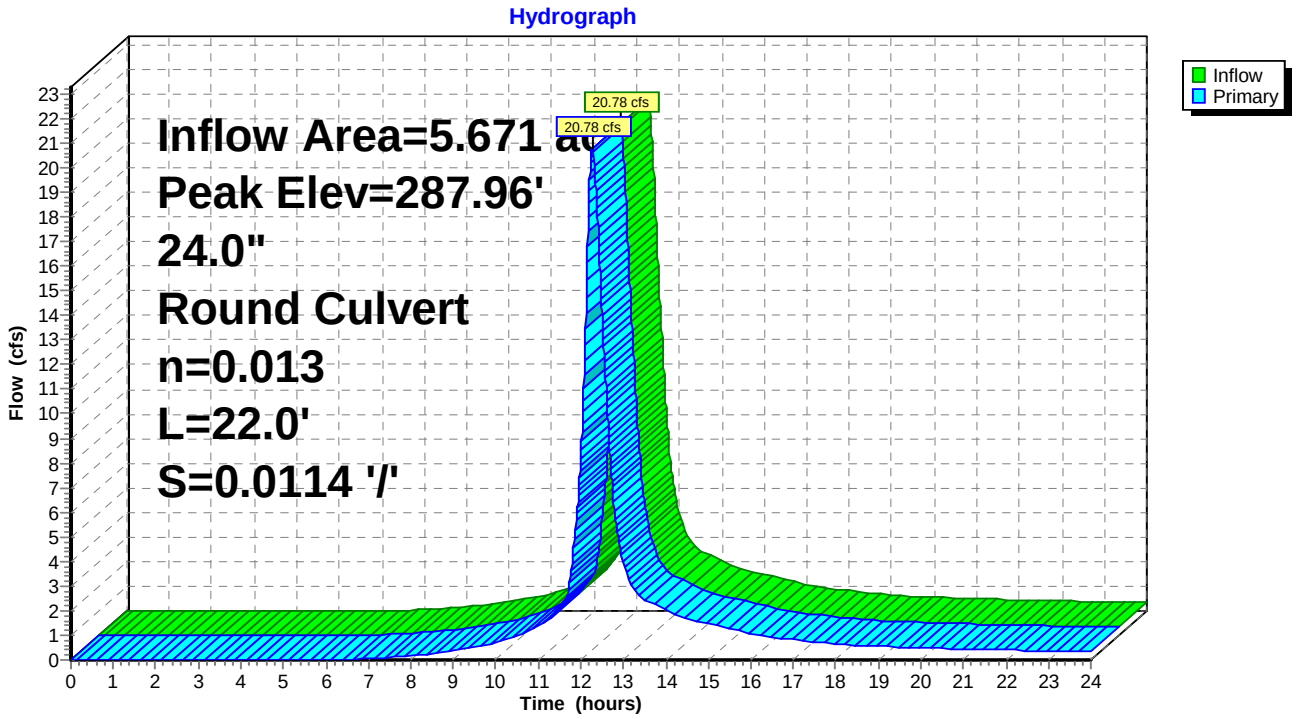
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 4.68" for 50-Year event
Inflow = 20.78 cfs @ 12.27 hrs, Volume= 2.210 af
Outflow = 20.78 cfs @ 12.27 hrs, Volume= 2.210 af, Atten= 0%, Lag= 0.0 min
Primary = 20.78 cfs @ 12.27 hrs, Volume= 2.210 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 287.96' @ 12.25 hrs
Flood Elev= 286.00'

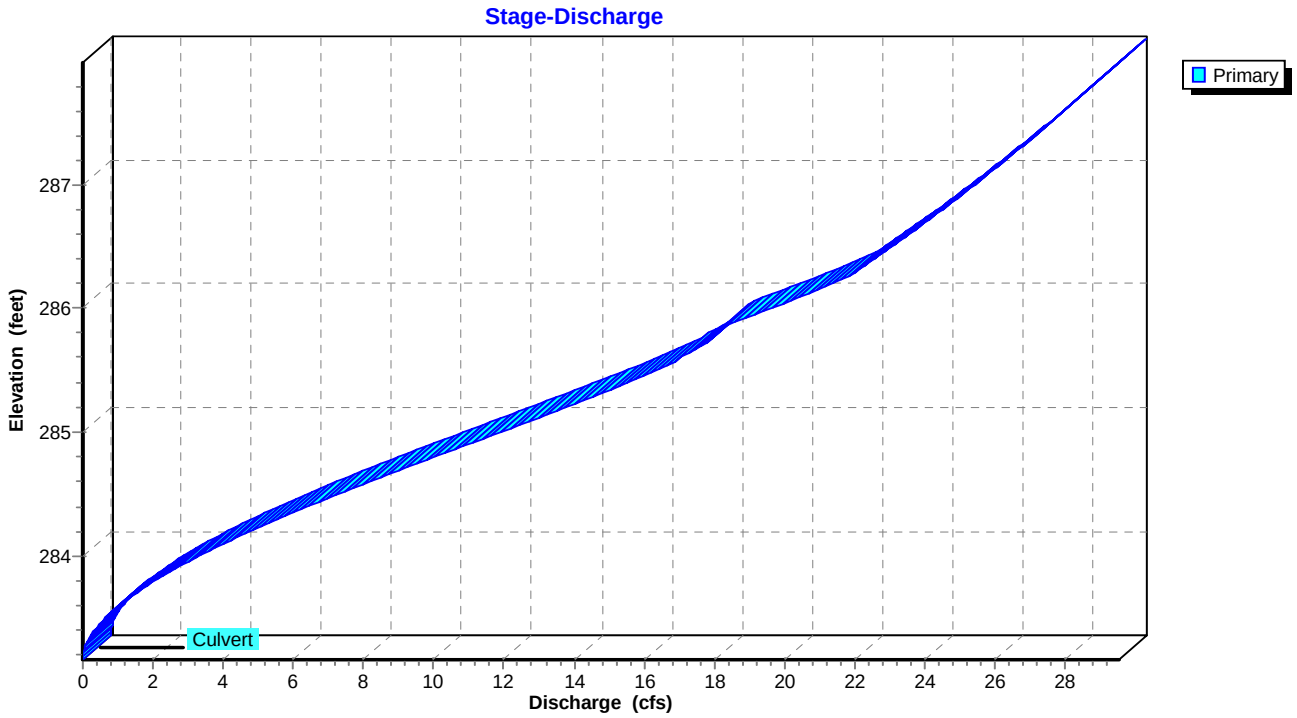
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=20.92 cfs @ 12.27 hrs HW=287.93' TW=286.01' (Dynamic Tailwater)
1=Culvert (Inlet Controls 20.92 cfs @ 6.66 fps)

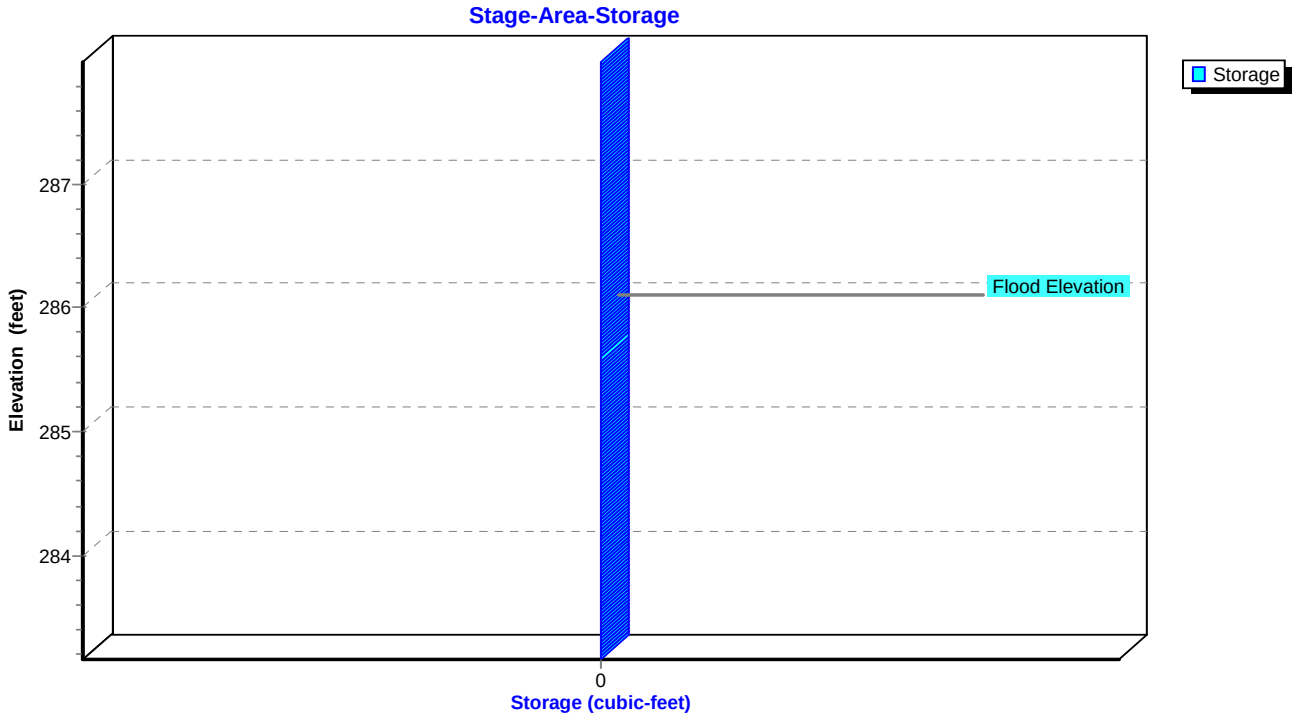
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.17	0.00
6.50	0.01	283.22	0.01
7.00	0.05	283.27	0.05
7.50	0.10	283.30	0.10
8.00	0.17	283.34	0.17
8.50	0.25	283.38	0.25
9.00	0.38	283.43	0.38
9.50	0.54	283.49	0.54
10.00	0.72	283.56	0.72
10.50	0.98	283.64	0.98
11.00	1.36	283.75	1.36
11.50	2.12	283.96	2.12
12.00	**8.21**	**285.49**	**8.21**
12.50	**14.01**	**286.05**	**14.01**
13.00	3.98	284.29	3.98
13.50	2.46	284.01	2.46
14.00	2.02	283.90	2.02
14.50	1.69	283.83	1.69
15.00	1.48	283.77	1.48
15.50	1.28	283.72	1.28
16.00	1.07	283.66	1.07
16.50	0.91	283.61	0.91
17.00	0.82	283.58	0.82
17.50	0.73	283.55	0.73
18.00	0.64	283.52	0.64
18.50	0.58	283.50	0.58
19.00	0.55	283.49	0.55
19.50	0.52	283.48	0.52
20.00	0.49	283.47	0.49
20.50	0.47	283.46	0.47
21.00	0.45	283.45	0.45
21.50	0.43	283.45	0.43
22.00	0.41	283.44	0.41
22.50	0.39	283.43	0.39
23.00	0.37	283.42	0.37
23.50	0.35	283.41	0.35
24.00	0.33	283.41	0.33

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	285.72	17.78
283.22	0.01	285.77	18.01
283.27	0.06	285.82	18.16
283.32	0.13	285.87	18.45
283.37	0.24	285.92	18.93
283.42	0.36	285.97	19.39
283.47	0.52	286.02	19.85
283.52	0.69	286.07	20.30
283.57	0.88	286.12	20.73
283.62	1.10	286.17	21.16
283.67	1.33	286.22	21.58
283.72	1.57	286.27	21.92
283.77	1.84	286.32	22.18
283.82	2.12	286.37	22.44
283.87	2.42	286.42	22.69
283.92	2.73	286.47	22.94
283.97	3.05	286.52	23.19
284.02	3.39	286.57	23.43
284.07	3.74	286.62	23.68
284.12	4.10	286.67	23.92
284.17	4.48	286.72	24.16
284.22	4.86	286.77	24.39
284.27	5.26	286.82	24.62
284.32	5.67	286.87	24.86
284.37	6.08	286.92	25.08
284.42	6.50	286.97	25.31
284.47	6.94	287.02	25.54
284.52	7.38	287.07	25.76
284.57	7.82	287.12	25.98
284.62	8.27	287.17	26.20
284.67	8.73	287.22	26.42
284.72	9.19	287.27	26.63
284.77	9.66	287.32	26.85
284.82	10.13	287.37	27.06
284.87	10.60	287.42	27.27
284.92	11.07	287.47	27.48
284.97	11.54	287.52	27.69
285.02	12.02	287.57	27.89
285.07	12.49	287.62	28.10
285.12	12.95	287.67	28.30
285.17	13.42	287.72	28.50
285.22	13.88	287.77	28.70
285.27	14.33	287.82	28.90
285.32	14.78	287.87	29.10
285.37	15.21	287.92	29.29
285.42	15.64	287.97	**29.49**
285.47	16.05		
285.52	16.44		
285.57	16.82		
285.62	17.17		
285.67	17.49		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0	287.27	0
284.77	0	287.32	0
284.82	0	287.37	0
284.87	0	287.42	0
284.92	0	287.47	0
284.97	0	287.52	0
285.02	0	287.57	0
285.07	0	287.62	0
285.12	0	287.67	0
285.17	0	287.72	0
285.22	0	287.77	0
285.27	0	287.82	0
285.32	0	287.87	0
285.37	0	287.92	0
285.42	0	287.97	0
285.47	0		
285.52	0		
285.57	0		
285.62	0		
285.67	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

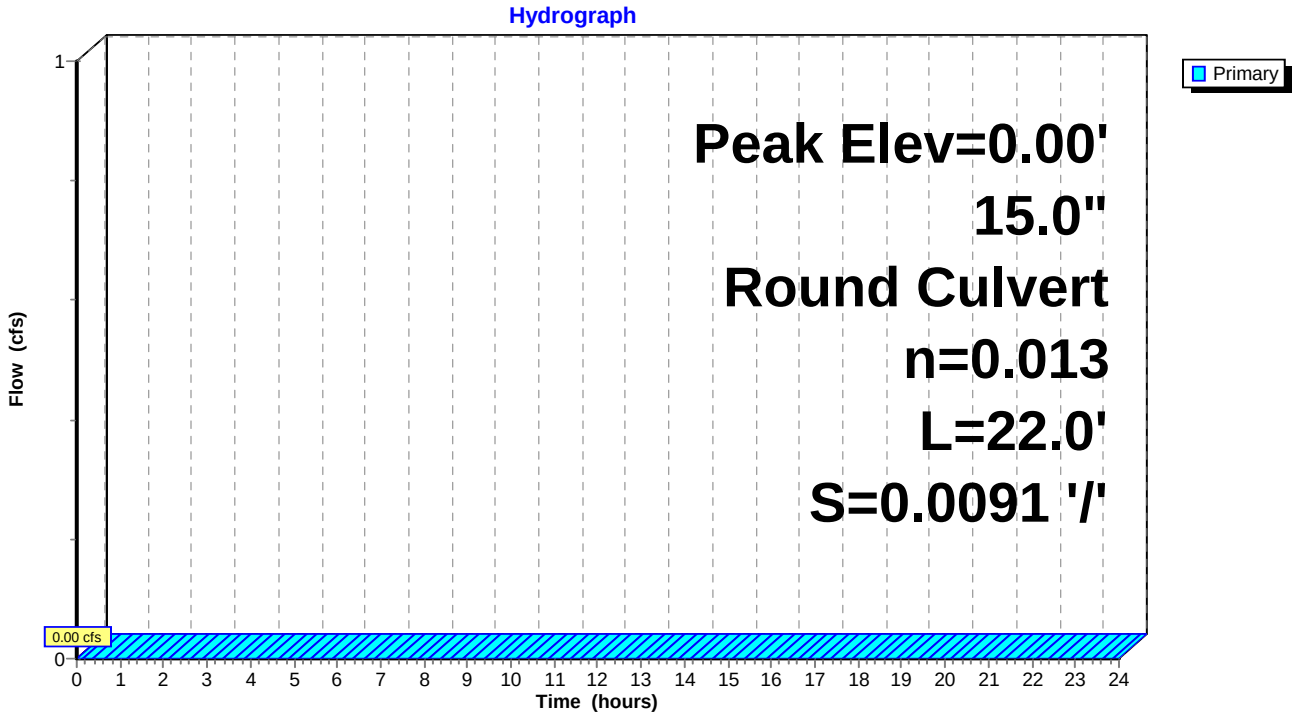
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

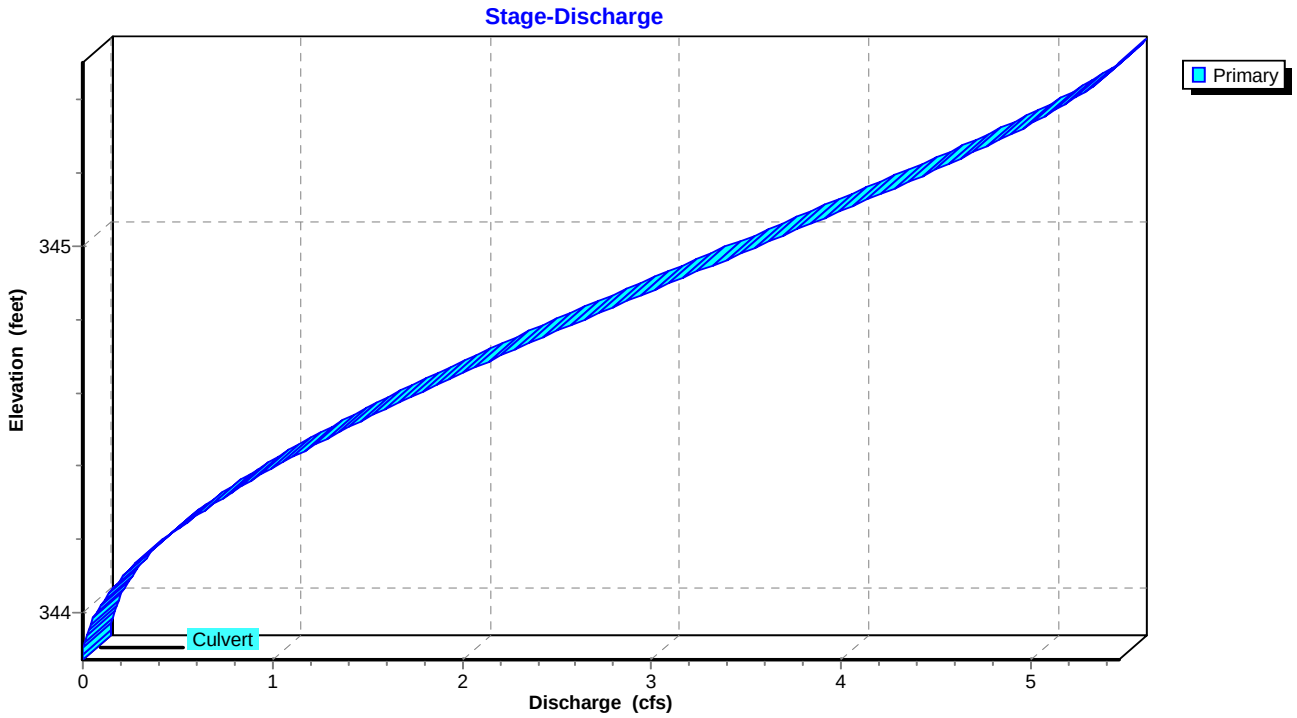
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

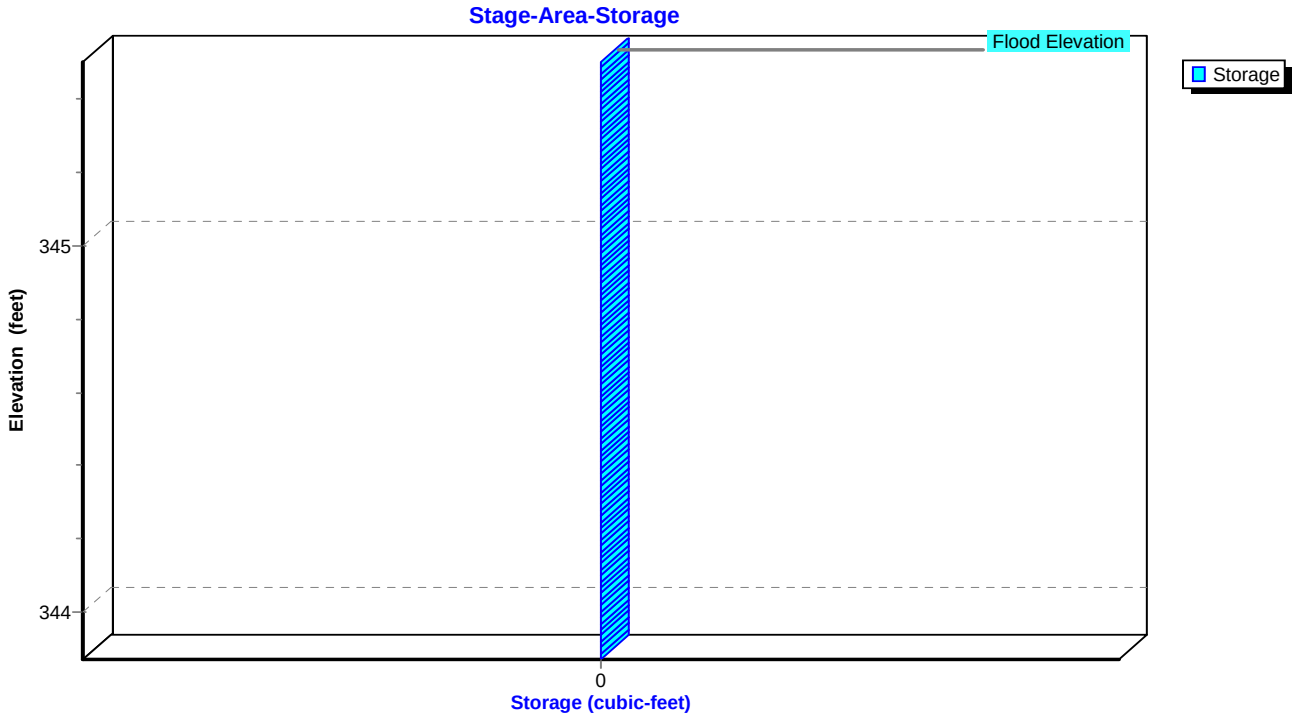
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

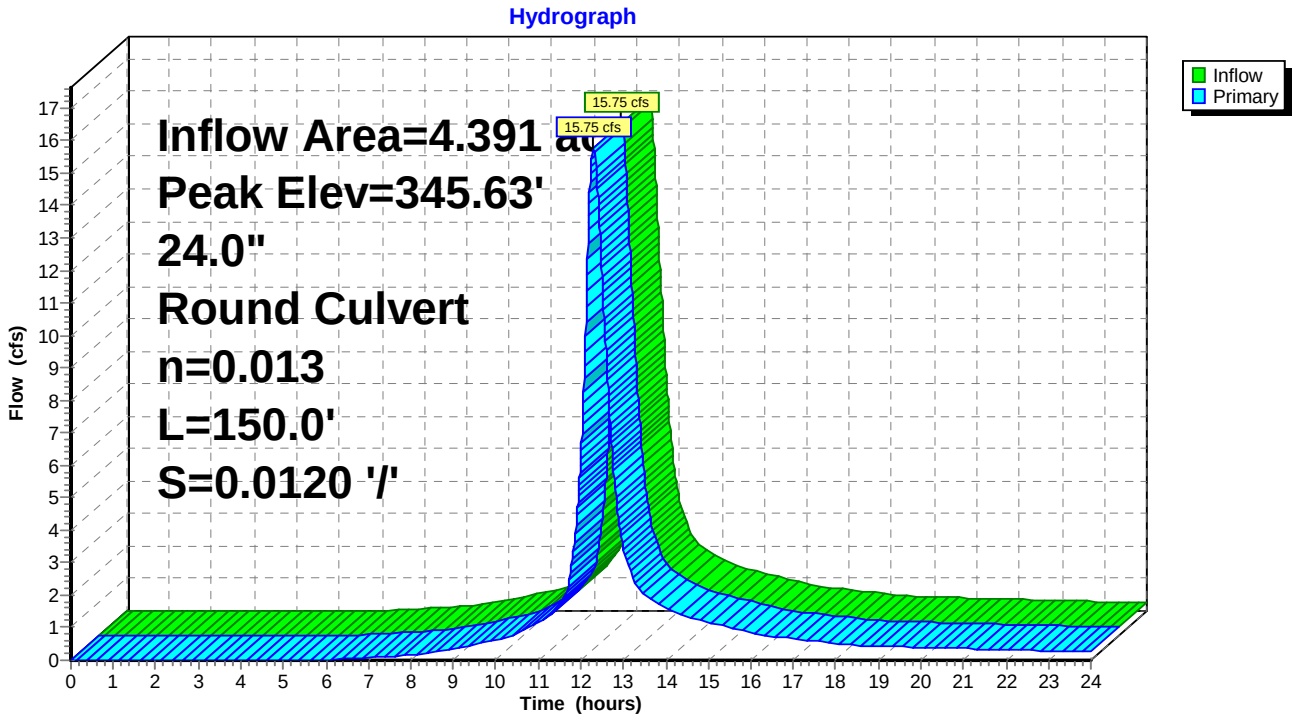
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 4.89" for 50-Year event
Inflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af
Outflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af, Atten= 0%, Lag= 0.0 min
Primary = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.63' @ 12.30 hrs
Flood Elev= 347.00'

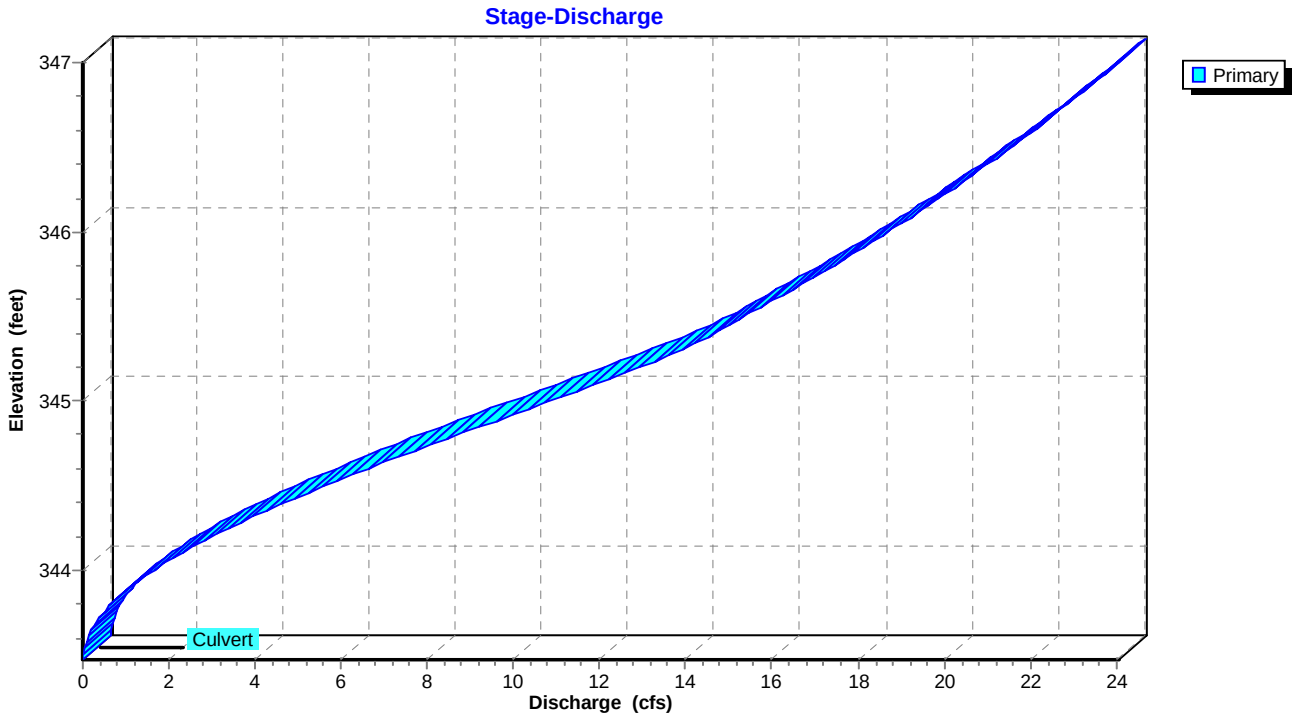
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.74 cfs @ 12.29 hrs HW=345.63' TW=344.10' (Dynamic Tailwater)
1=Culvert (Outlet Controls 15.74 cfs @ 5.78 fps)

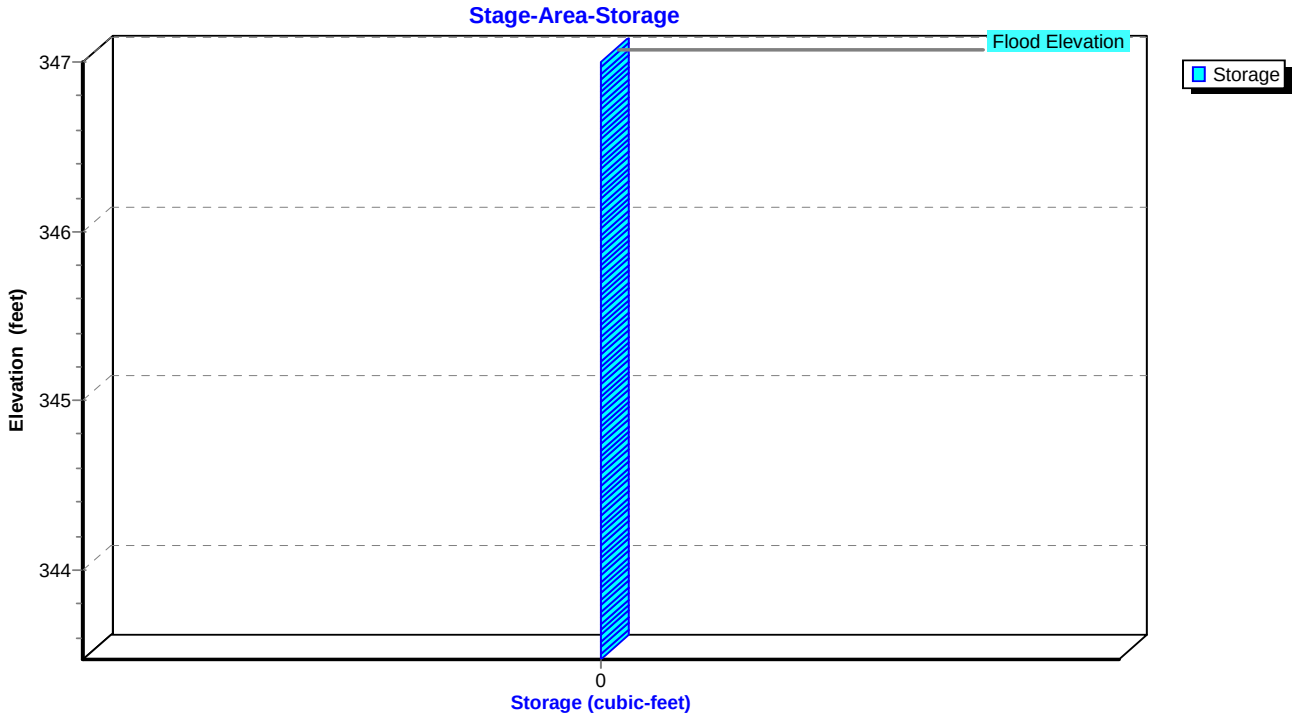
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.49	0.00
6.00	0.01	343.52	0.01
6.50	0.04	343.55	0.04
7.00	0.07	343.58	0.07
7.50	0.12	343.61	0.12
8.00	0.17	343.63	0.17
8.50	0.24	343.67	0.24
9.00	0.35	343.71	0.35
9.50	0.48	343.75	0.48
10.00	0.63	343.79	0.63
10.50	0.84	343.84	0.84
11.00	1.14	343.91	1.14
11.50	1.73	344.01	1.73
12.00	**6.22**	**344.56**	**6.22**
12.50	**11.81**	**345.09**	**11.81**
13.00	3.48	344.26	3.48
13.50	2.01	344.06	2.01
14.00	1.62	343.99	1.62
14.50	1.35	343.95	1.35
15.00	1.18	343.91	1.18
15.50	1.02	343.88	1.02
16.00	0.86	343.85	0.86
16.50	0.73	343.82	0.73
17.00	0.65	343.80	0.65
17.50	0.58	343.78	0.58
18.00	0.51	343.76	0.51
18.50	0.46	343.74	0.46
19.00	0.43	343.74	0.43
19.50	0.41	343.73	0.41
20.00	0.39	343.72	0.39
20.50	0.37	343.72	0.37
21.00	0.35	343.71	0.35
21.50	0.34	343.70	0.34
22.00	0.32	343.70	0.32
22.50	0.31	343.69	0.31
23.00	0.29	343.69	0.29
23.50	0.27	343.68	0.27
24.00	0.26	343.67	0.26

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

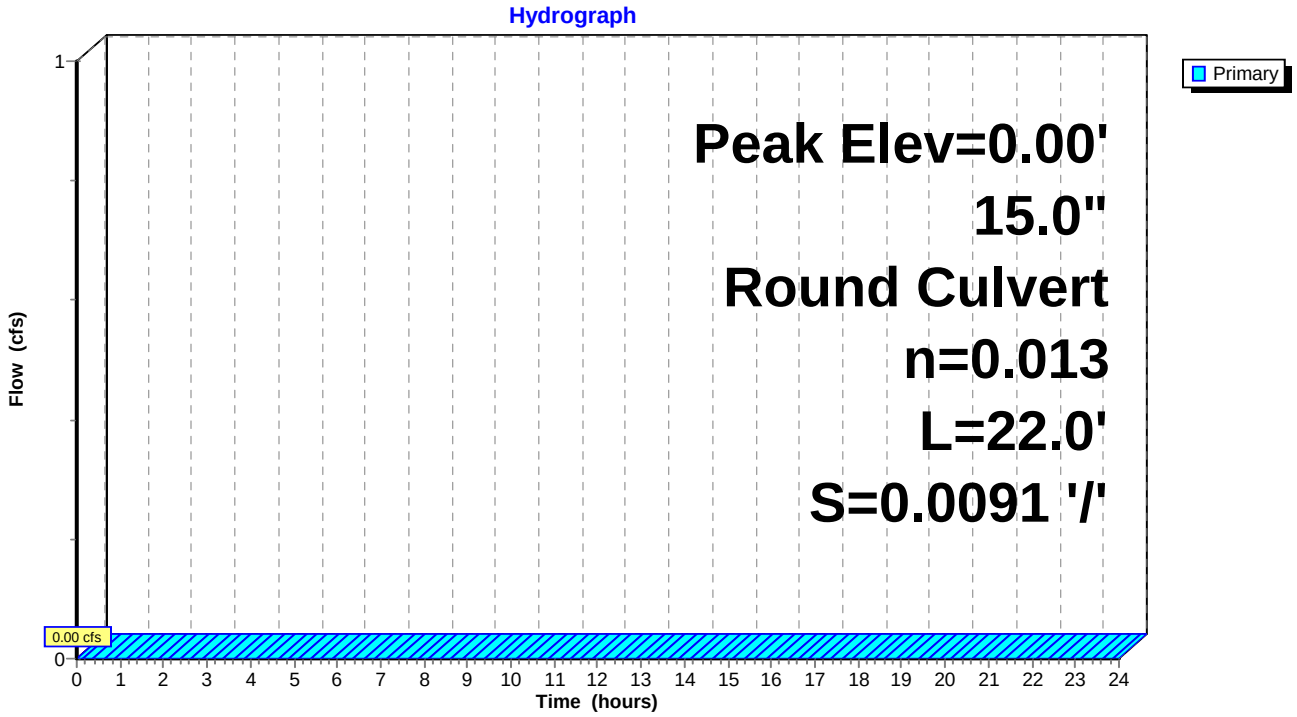
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

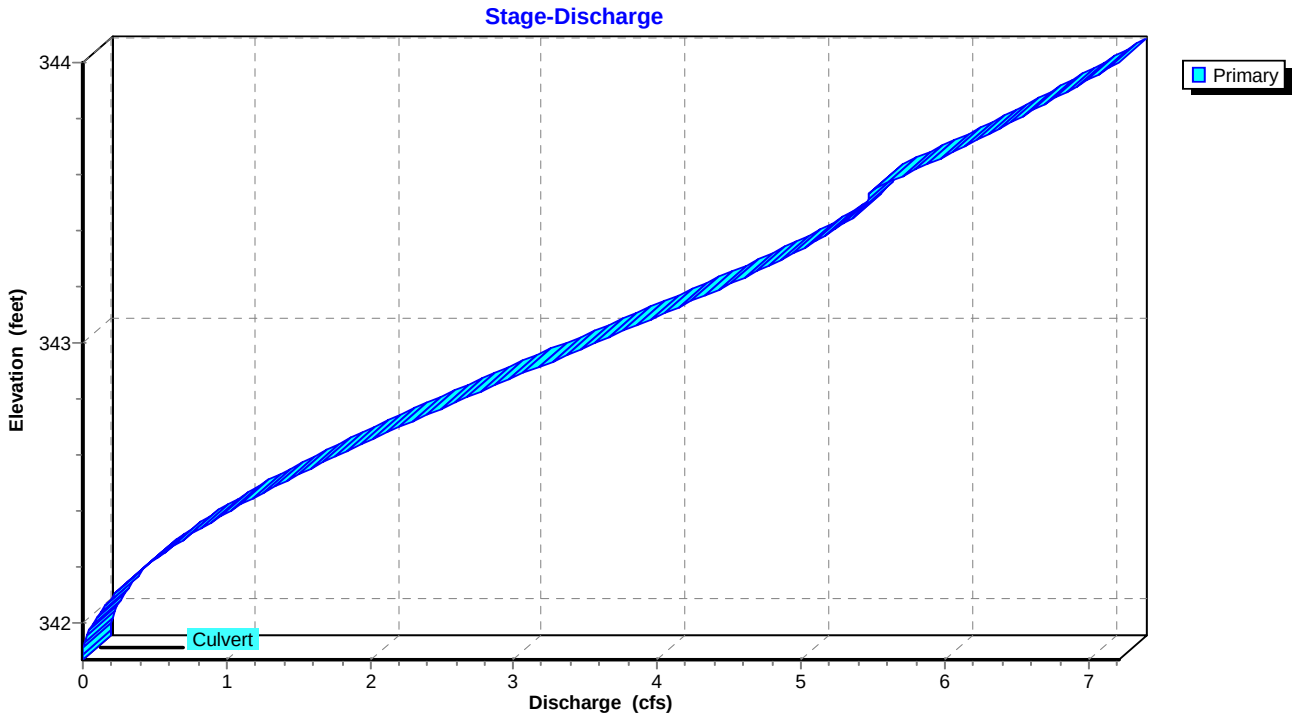
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

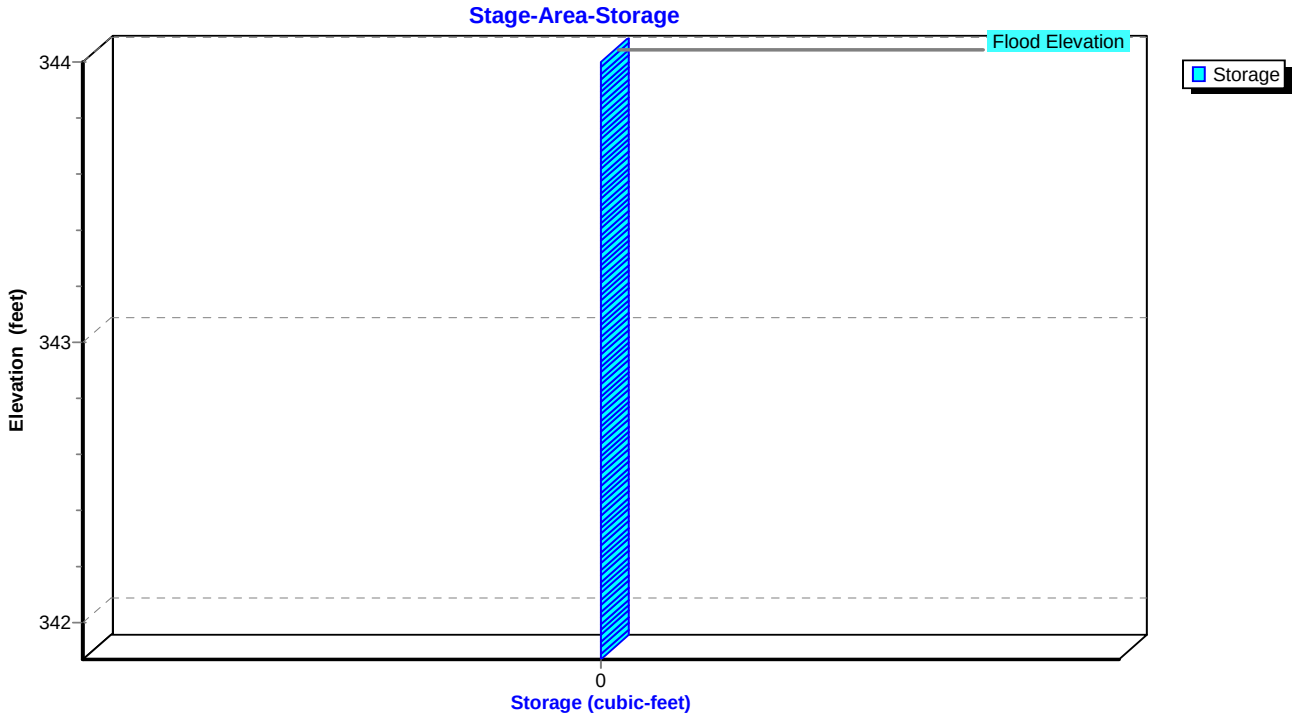
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

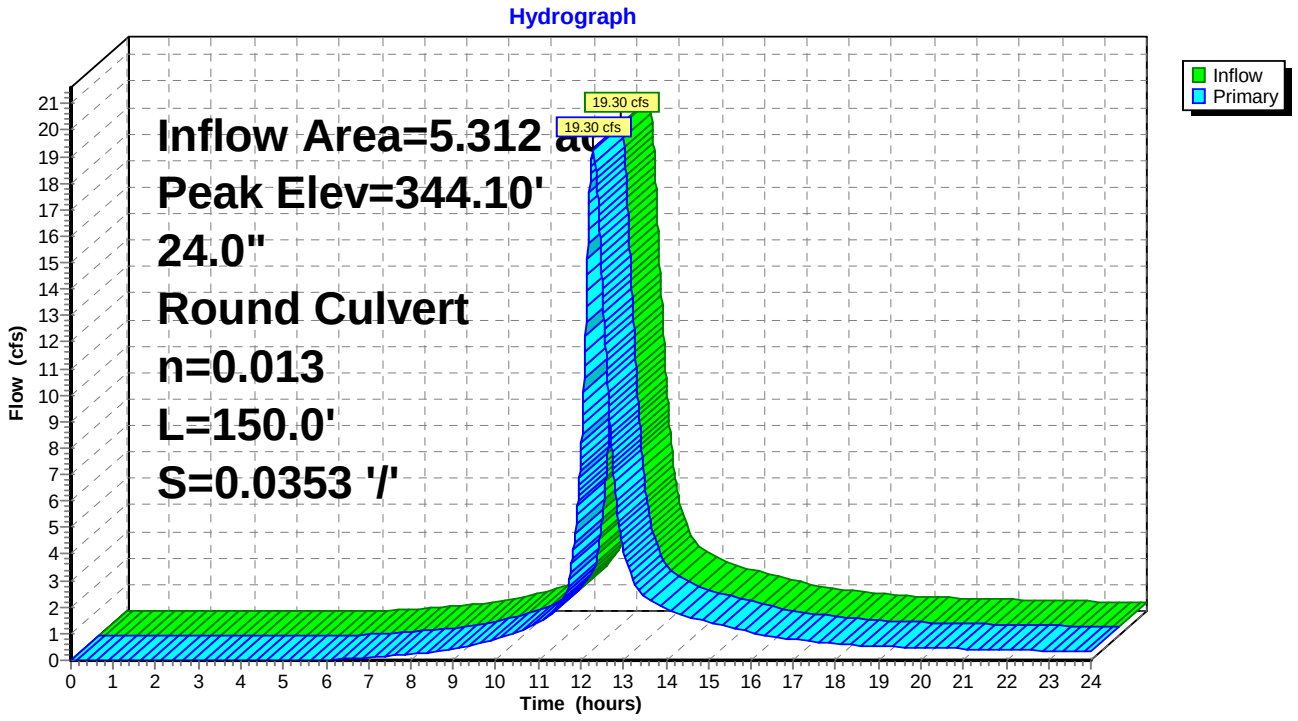
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.93" for 50-Year event
Inflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af
Outflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af, Atten= 0%, Lag= 0.0 min
Primary = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.10' @ 12.29 hrs
Flood Elev= 345.00'

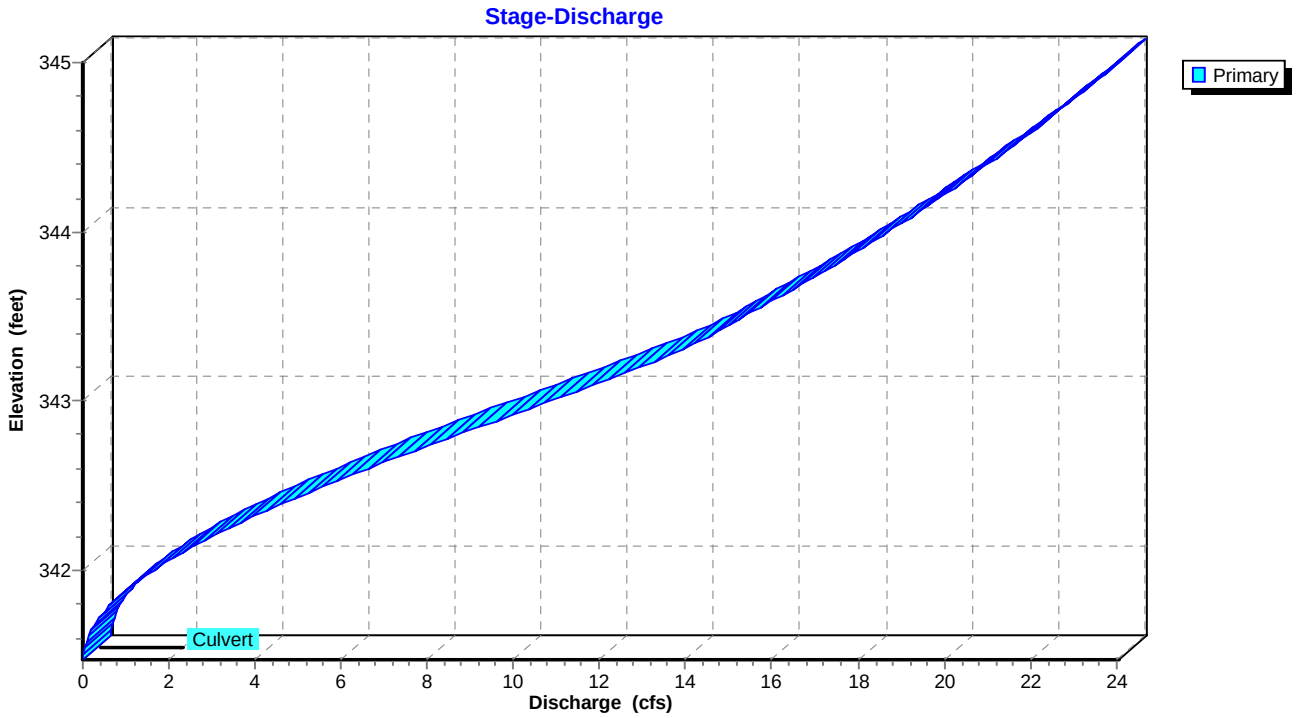
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=19.30 cfs @ 12.29 hrs HW=344.10' TW=338.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.30 cfs @ 6.14 fps)

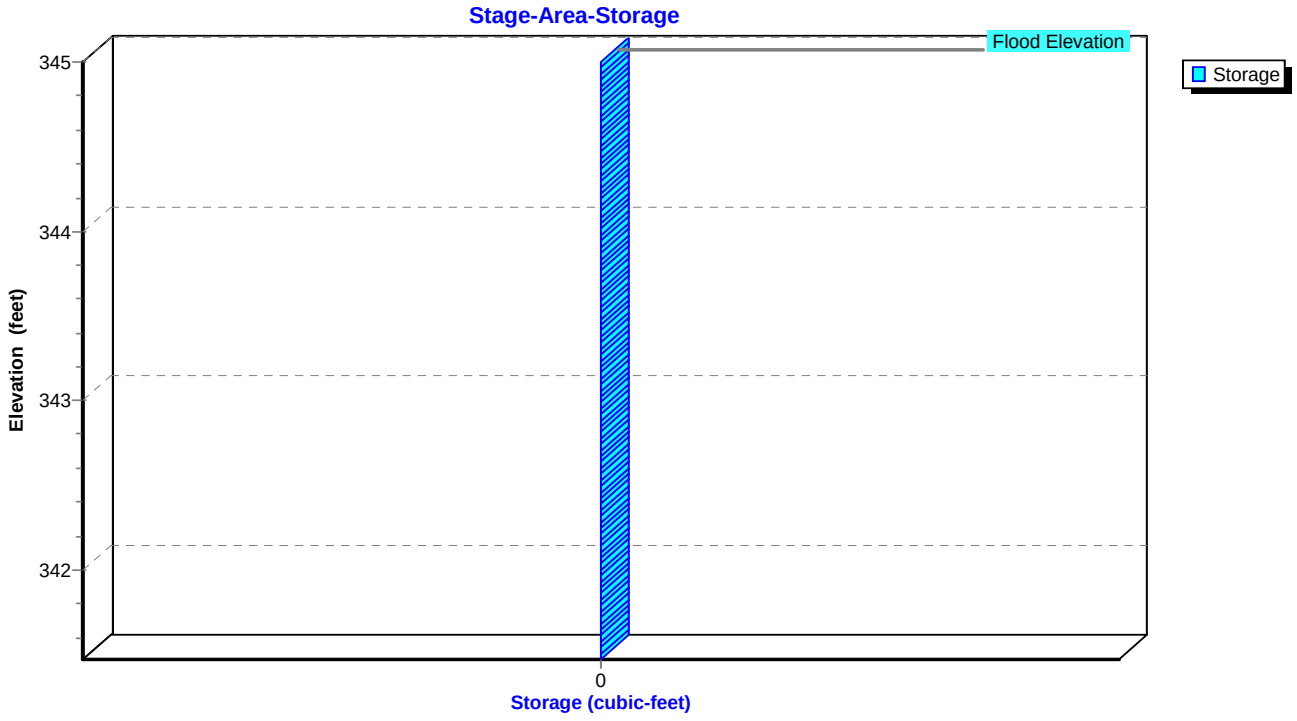
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.50	0.00
6.00	0.02	341.53	0.02
6.50	0.05	341.56	0.05
7.00	0.10	341.59	0.10
7.50	0.15	341.62	0.15
8.00	0.22	341.66	0.22
8.50	0.30	341.69	0.30
9.00	0.44	341.74	0.44
9.50	0.60	341.78	0.60
10.00	0.78	341.83	0.78
10.50	1.03	341.88	1.03
11.00	1.40	341.96	1.40
11.50	2.13	342.08	2.13
12.00	**7.63**	**342.70**	**7.63**
12.50	**14.33**	**343.35**	**14.33**
13.00	4.19	342.34	4.19
13.50	2.43	342.12	2.43
14.00	1.96	342.05	1.96
14.50	1.63	342.00	1.63
15.00	1.43	341.96	1.43
15.50	1.24	341.93	1.24
16.00	1.04	341.89	1.04
16.50	0.88	341.85	0.88
17.00	0.79	341.83	0.79
17.50	0.70	341.81	0.70
18.00	0.62	341.79	0.62
18.50	0.55	341.77	0.55
19.00	0.53	341.76	0.53
19.50	0.50	341.76	0.50
20.00	0.47	341.75	0.47
20.50	0.45	341.74	0.45
21.00	0.43	341.73	0.43
21.50	0.41	341.73	0.41
22.00	0.39	341.72	0.39
22.50	0.37	341.72	0.37
23.00	0.35	341.71	0.35
23.50	0.33	341.70	0.33
24.00	0.31	341.69	0.31

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

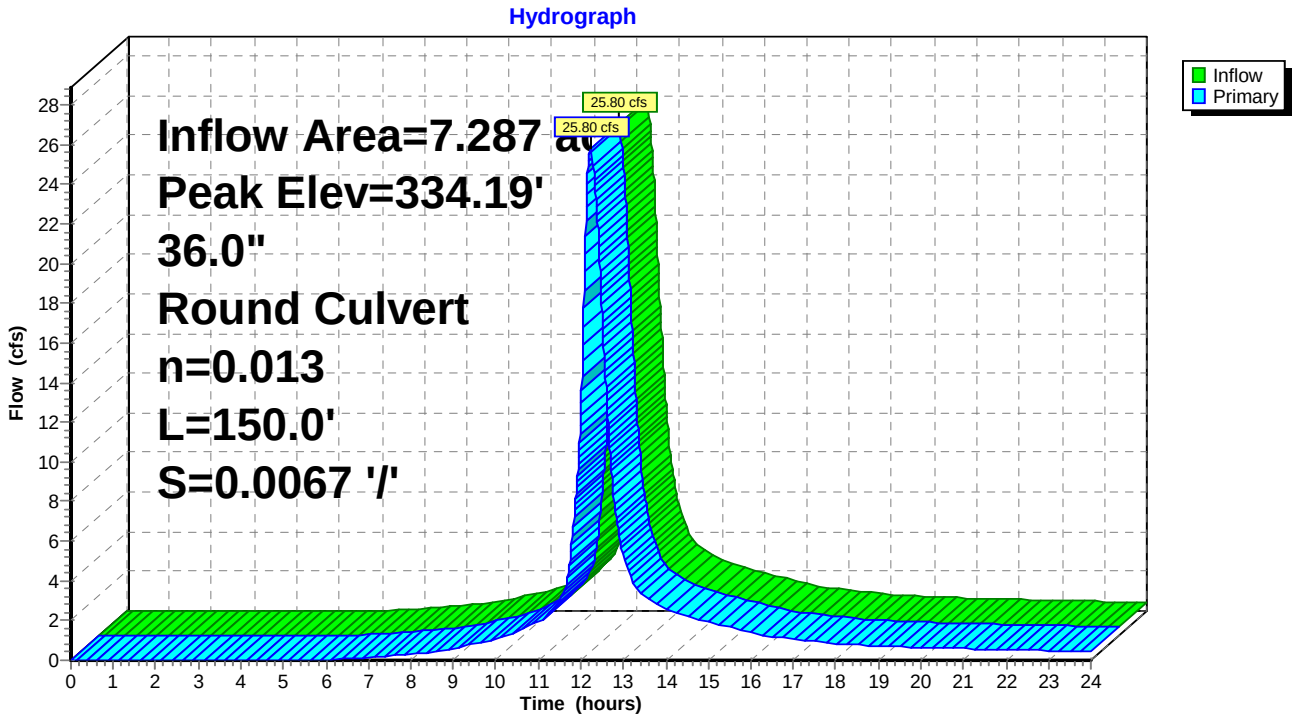
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.19' @ 12.23 hrs
Flood Elev= 337.75'

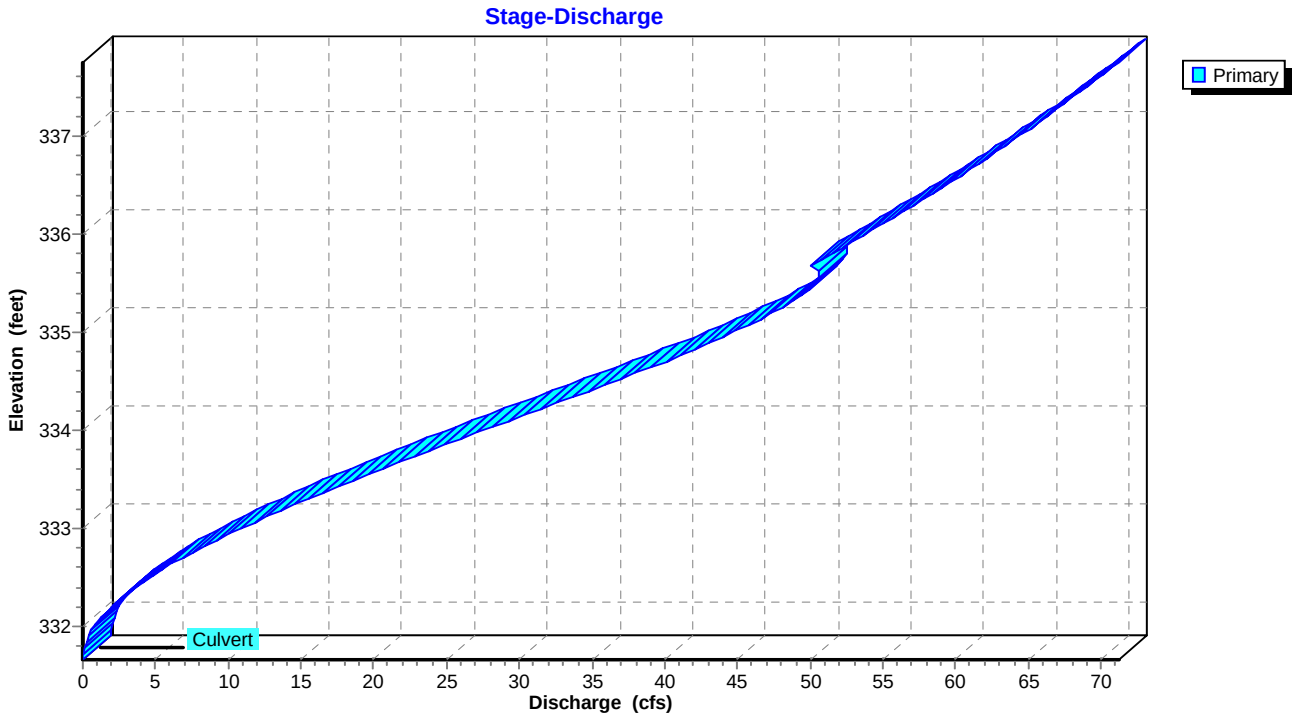
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.82 cfs @ 12.23 hrs HW=334.18' TW=333.04' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 25.82 cfs @ 5.52 fps)

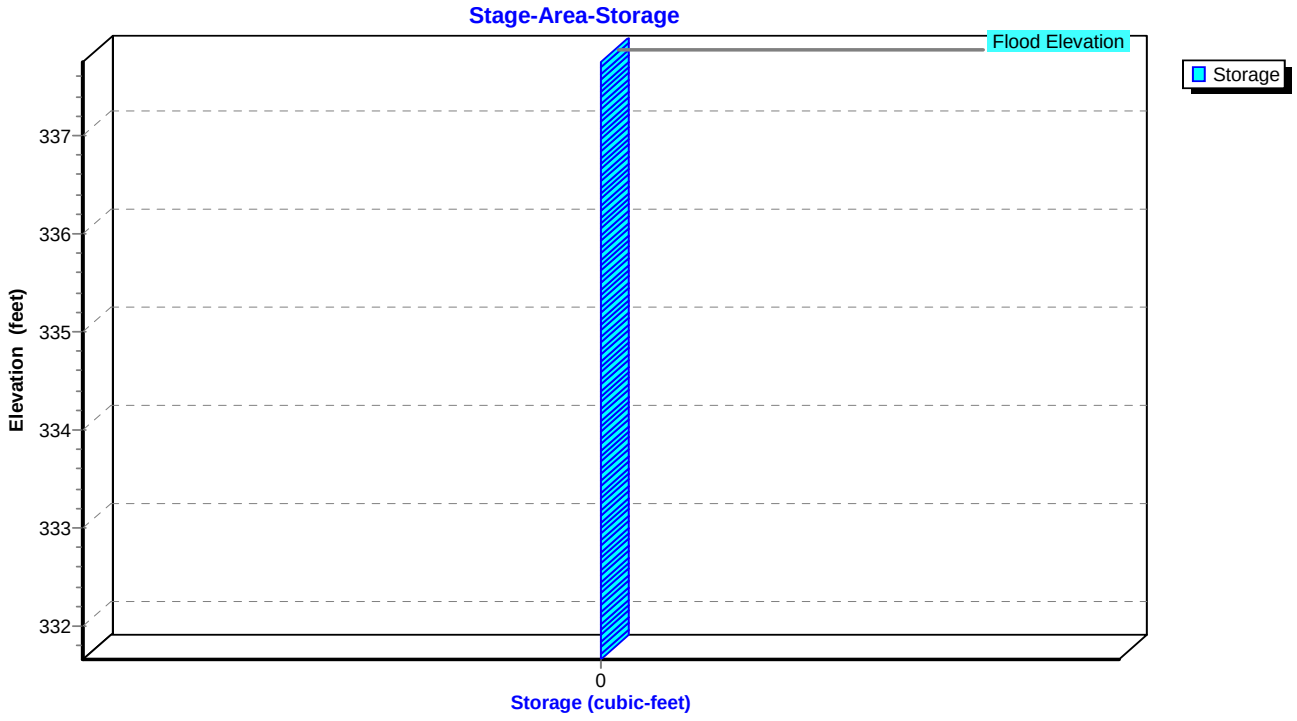
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.70	0.00
6.00	0.02	331.74	0.02
6.50	0.07	331.78	0.07
7.00	0.13	331.81	0.13
7.50	0.20	331.85	0.20
8.00	0.29	331.88	0.29
8.50	0.42	331.92	0.42
9.00	0.60	331.97	0.60
9.50	0.82	332.02	0.82
10.00	1.07	332.07	1.07
10.50	1.44	332.13	1.44
11.00	1.95	332.21	1.95
11.50	3.04	332.34	3.04
12.00	**12.38**	**333.18**	**12.38**
12.50	**17.50**	**333.55**	**17.50**
13.00	5.28	332.57	5.28
13.50	3.24	332.37	3.24
14.00	2.62	332.29	2.62
14.50	2.20	332.24	2.20
15.00	1.93	332.20	1.93
15.50	1.66	332.17	1.66
16.00	1.39	332.12	1.39
16.50	1.19	332.09	1.19
17.00	1.07	332.07	1.07
17.50	0.95	332.05	0.95
18.00	0.83	332.02	0.83
18.50	0.75	332.01	0.75
19.00	0.71	332.00	0.71
19.50	0.68	331.99	0.68
20.00	0.64	331.98	0.64
20.50	0.61	331.97	0.61
21.00	0.59	331.97	0.59
21.50	0.56	331.96	0.56
22.00	0.53	331.95	0.53
22.50	0.51	331.95	0.51
23.00	0.48	331.94	0.48
23.50	0.45	331.93	0.45
24.00	0.43	331.92	0.43

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

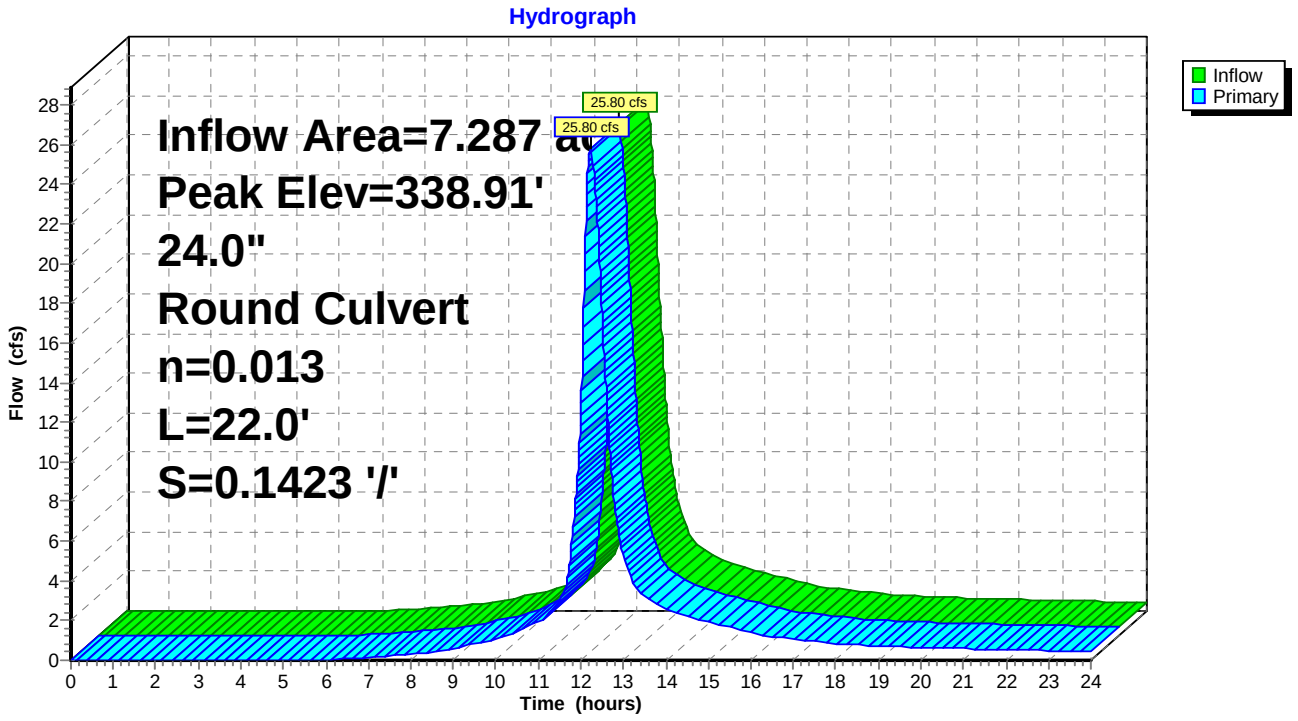
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 338.91' @ 12.23 hrs
Flood Elev= 339.50'

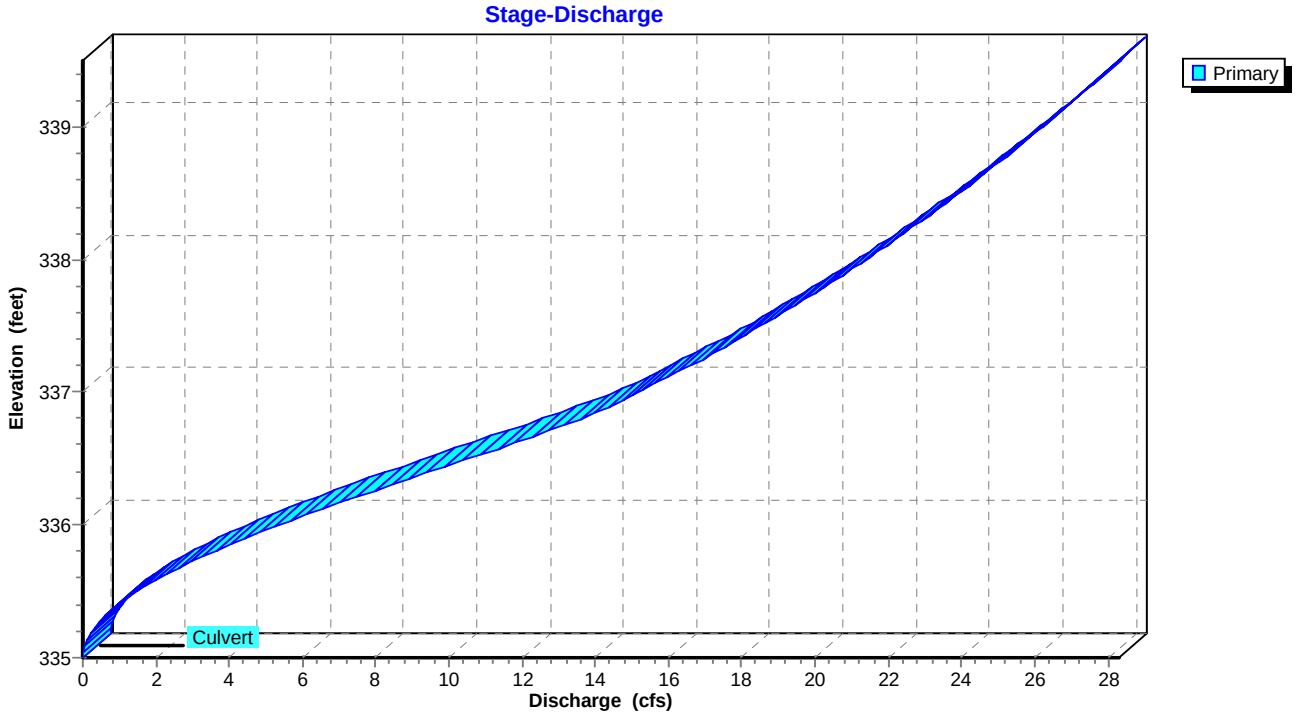
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=25.80 cfs @ 12.23 hrs HW=338.91' TW=334.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 25.80 cfs @ 8.21 fps)

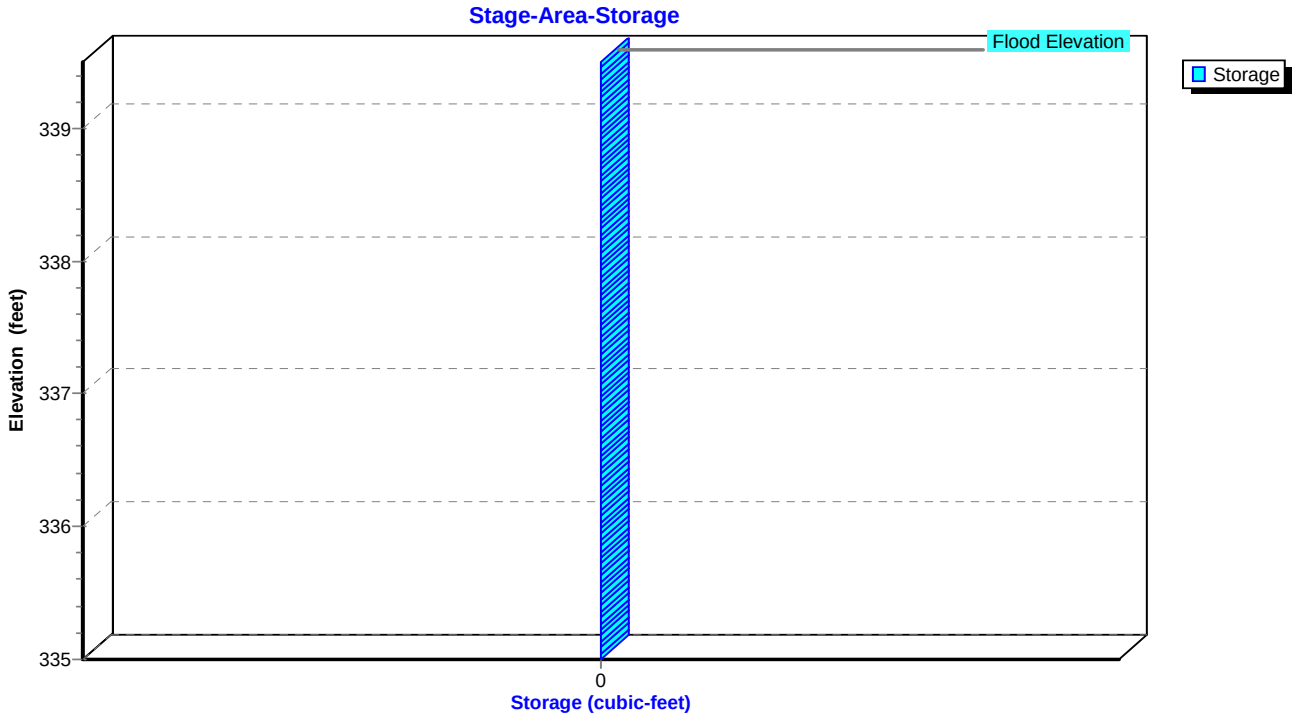
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.03	0.00
6.00	0.02	335.06	0.02
6.50	0.07	335.10	0.07
7.00	0.13	335.14	0.13
7.50	0.20	335.18	0.20
8.00	0.29	335.22	0.29
8.50	0.42	335.26	0.42
9.00	0.60	335.31	0.60
9.50	0.82	335.37	0.82
10.00	1.07	335.42	1.07
10.50	1.44	335.49	1.44
11.00	1.95	335.58	1.95
11.50	3.04	335.73	3.04
12.00	**12.38**	**336.68**	**12.38**
12.50	**17.50**	**337.34**	**17.50**
13.00	5.28	335.99	5.28
13.50	3.24	335.76	3.24
14.00	2.62	335.68	2.62
14.50	2.20	335.62	2.20
15.00	1.93	335.58	1.93
15.50	1.66	335.53	1.66
16.00	1.39	335.48	1.39
16.50	1.19	335.45	1.19
17.00	1.07	335.42	1.07
17.50	0.95	335.40	0.95
18.00	0.83	335.37	0.83
18.50	0.75	335.35	0.75
19.00	0.71	335.34	0.71
19.50	0.68	335.33	0.68
20.00	0.64	335.33	0.64
20.50	0.61	335.32	0.61
21.00	0.59	335.31	0.59
21.50	0.56	335.30	0.56
22.00	0.53	335.29	0.53
22.50	0.51	335.29	0.51
23.00	0.48	335.28	0.48
23.50	0.45	335.27	0.45
24.00	0.43	335.26	0.43

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

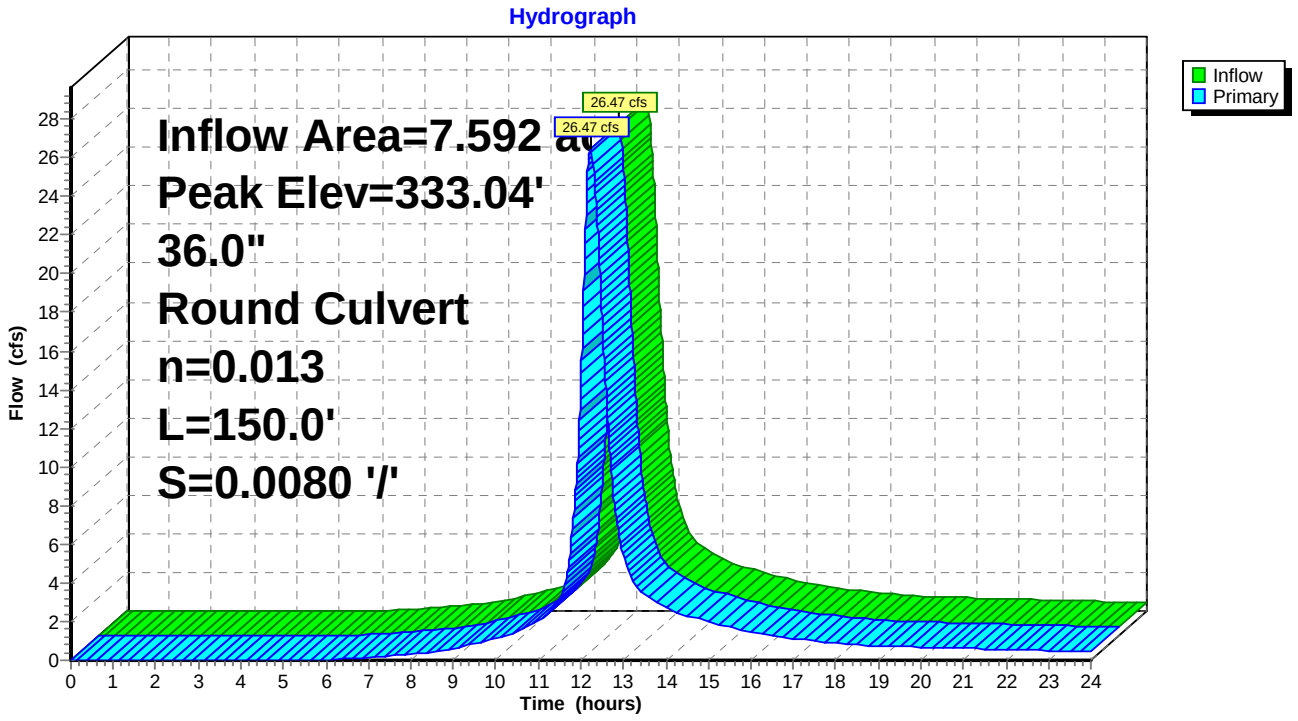
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 4.88" for 50-Year event
Inflow = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af
Outflow = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af, Atten= 0%, Lag= 0.0 min
Primary = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.04' @ 12.22 hrs
Flood Elev= 335.00'

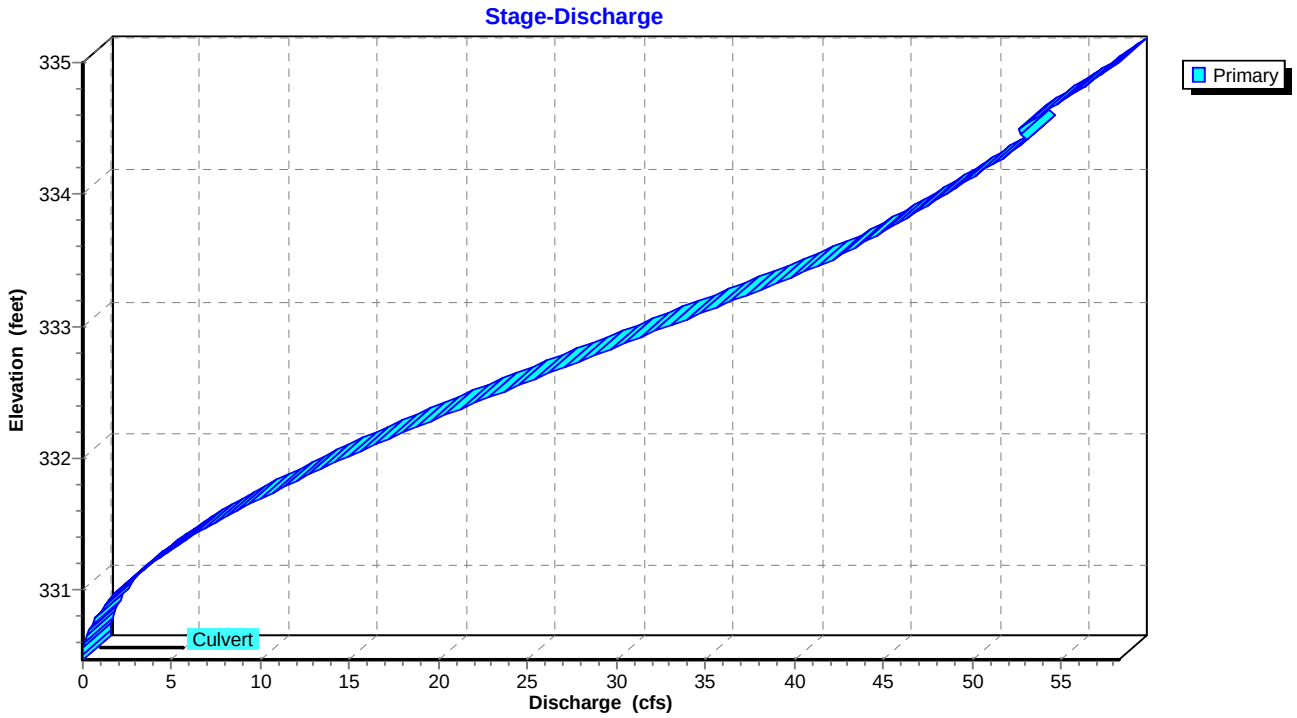
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.57 cfs @ 12.22 hrs HW=333.04' TW=331.90' (Dynamic Tailwater)
1=Culvert (Outlet Controls 26.57 cfs @ 5.53 fps)

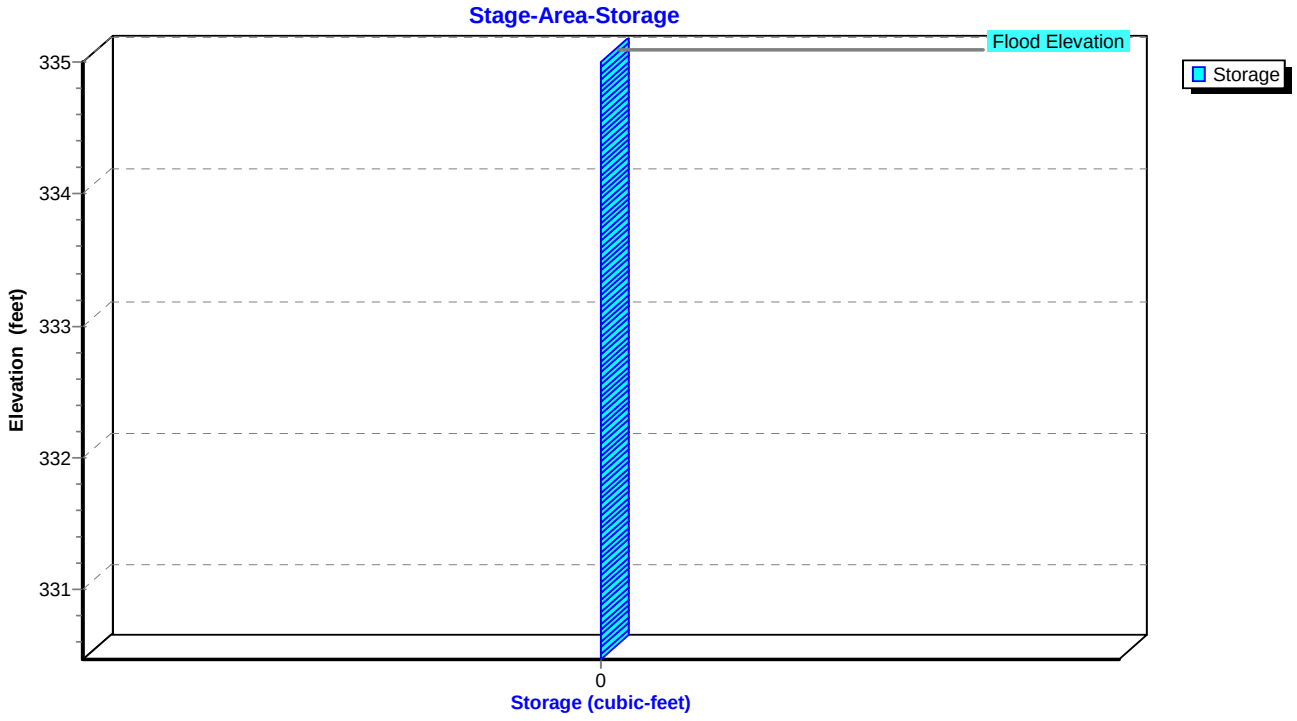
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.50	0.00
6.00	0.02	330.53	0.02
6.50	0.07	330.57	0.07
7.00	0.13	330.61	0.13
7.50	0.21	330.64	0.21
8.00	0.30	330.68	0.30
8.50	0.43	330.72	0.43
9.00	0.62	330.76	0.62
9.50	0.85	330.81	0.85
10.00	1.12	330.86	1.12
10.50	1.50	330.92	1.50
11.00	2.03	331.00	2.03
11.50	3.19	331.14	3.19
12.00	**14.19**	**332.07**	**14.19**
12.50	**17.74**	**332.34**	**17.74**
13.00	5.42	331.36	5.42
13.50	3.36	331.16	3.36
14.00	2.72	331.08	2.72
14.50	2.28	331.03	2.28
15.00	2.00	330.99	2.00
15.50	1.72	330.95	1.72
16.00	1.44	330.91	1.44
16.50	1.24	330.88	1.24
17.00	1.11	330.86	1.11
17.50	0.99	330.84	0.99
18.00	0.87	330.81	0.87
18.50	0.78	330.80	0.78
19.00	0.74	330.79	0.74
19.50	0.71	330.78	0.71
20.00	0.67	330.77	0.67
20.50	0.64	330.77	0.64
21.00	0.61	330.76	0.61
21.50	0.58	330.75	0.58
22.00	0.55	330.75	0.55
22.50	0.53	330.74	0.53
23.00	0.50	330.73	0.50
23.50	0.47	330.73	0.47
24.00	0.44	330.72	0.44

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

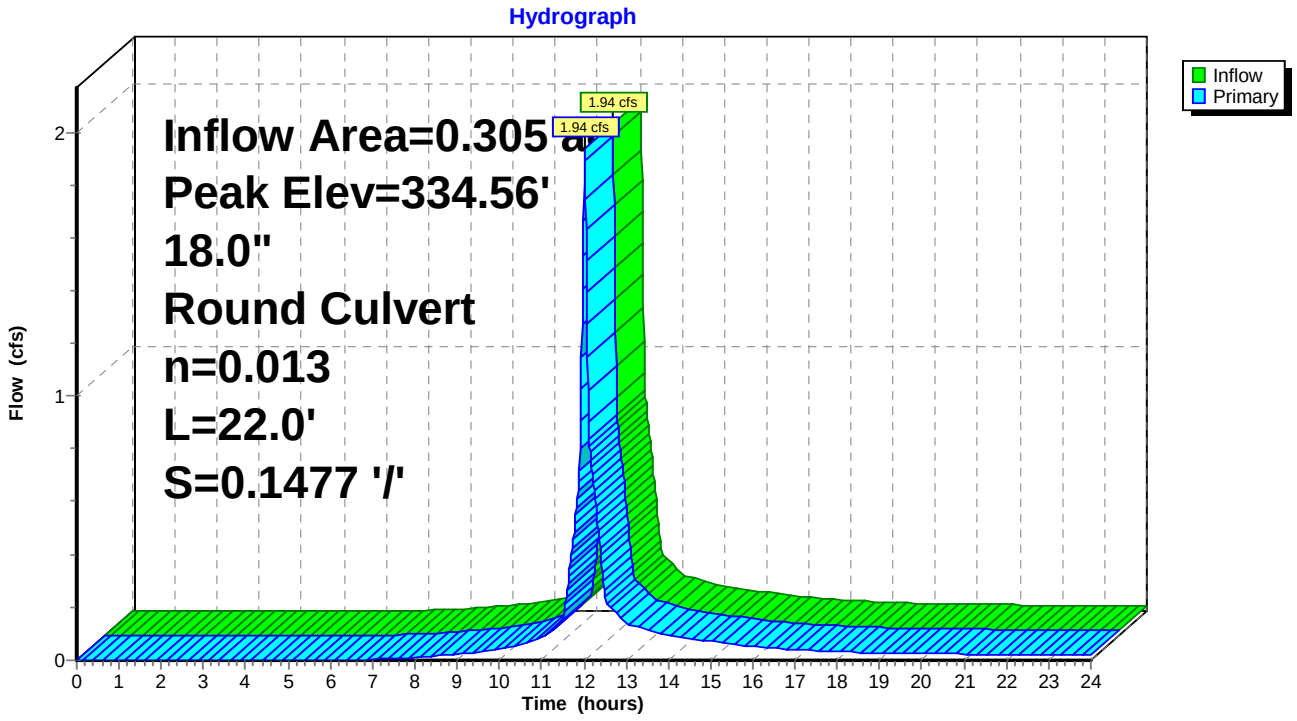
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af
Outflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af, Atten= 0%, Lag= 0.0 min
Primary = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.56' @ 12.02 hrs
Flood Elev= 336.50'

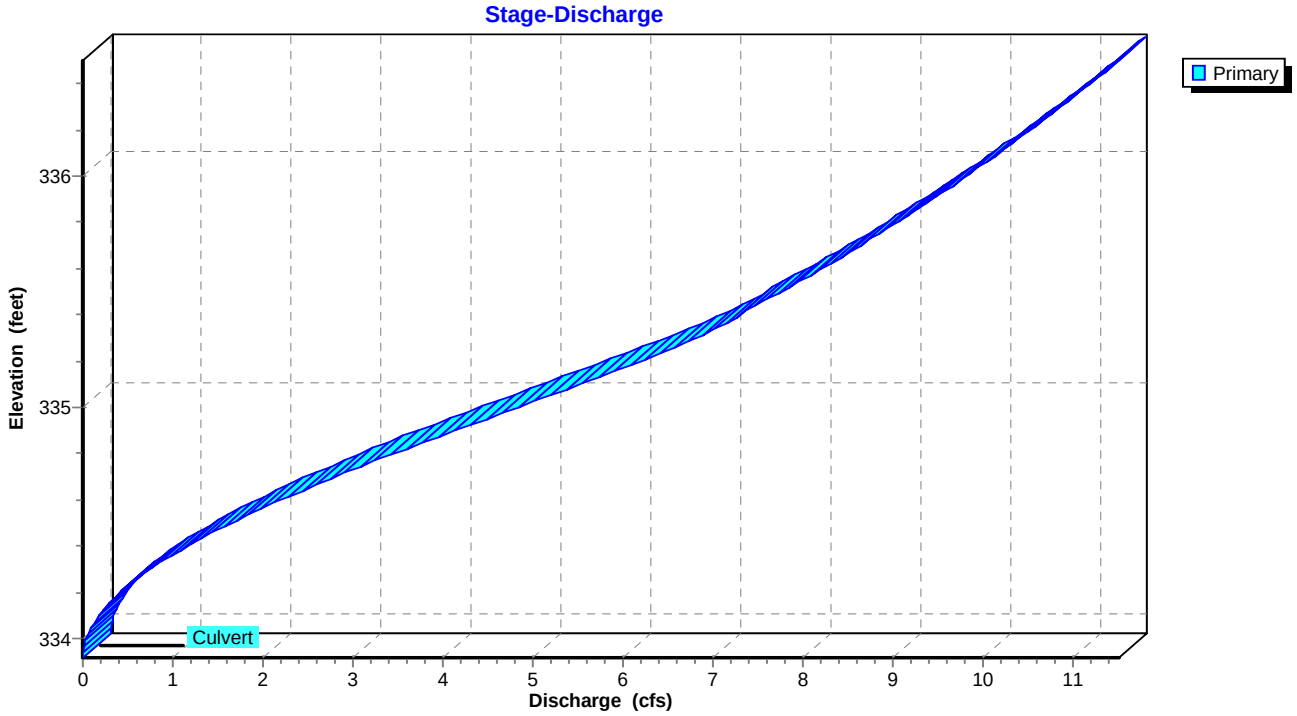
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.93 cfs @ 12.02 hrs HW=334.55' TW=332.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.93 cfs @ 2.71 fps)

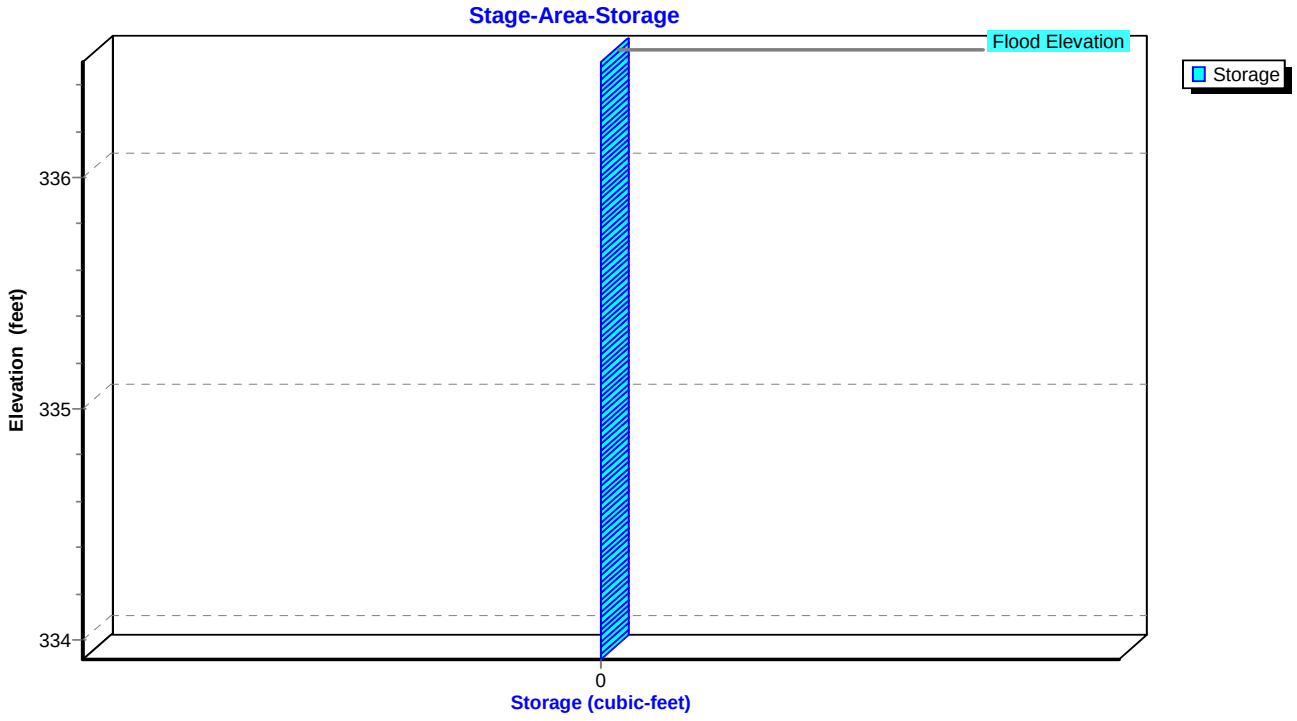
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.93	0.00
7.00	0.00	333.94	0.00
7.50	0.01	333.95	0.01
8.00	0.01	333.96	0.01
8.50	0.02	333.97	0.02
9.00	0.02	333.98	0.02
9.50	0.03	334.00	0.03
10.00	0.04	334.01	0.04
10.50	0.06	334.03	0.06
11.00	0.08	334.04	0.08
11.50	0.15	334.09	0.15
12.00	**1.81**	**334.53**	**1.81**
12.50	**0.24**	**334.13**	**0.24**
13.00	0.14	334.08	0.14
13.50	0.12	334.07	0.12
14.00	0.09	334.05	0.09
14.50	0.08	334.04	0.08
15.00	0.07	334.04	0.07
15.50	0.06	334.03	0.06
16.00	0.05	334.02	0.05
16.50	0.05	334.01	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.00	0.04
18.00	0.03	334.00	0.03
18.50	0.03	333.99	0.03
19.00	0.03	333.99	0.03
19.50	0.03	333.99	0.03
20.00	0.03	333.99	0.03
20.50	0.02	333.99	0.02
21.00	0.02	333.99	0.02
21.50	0.02	333.98	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

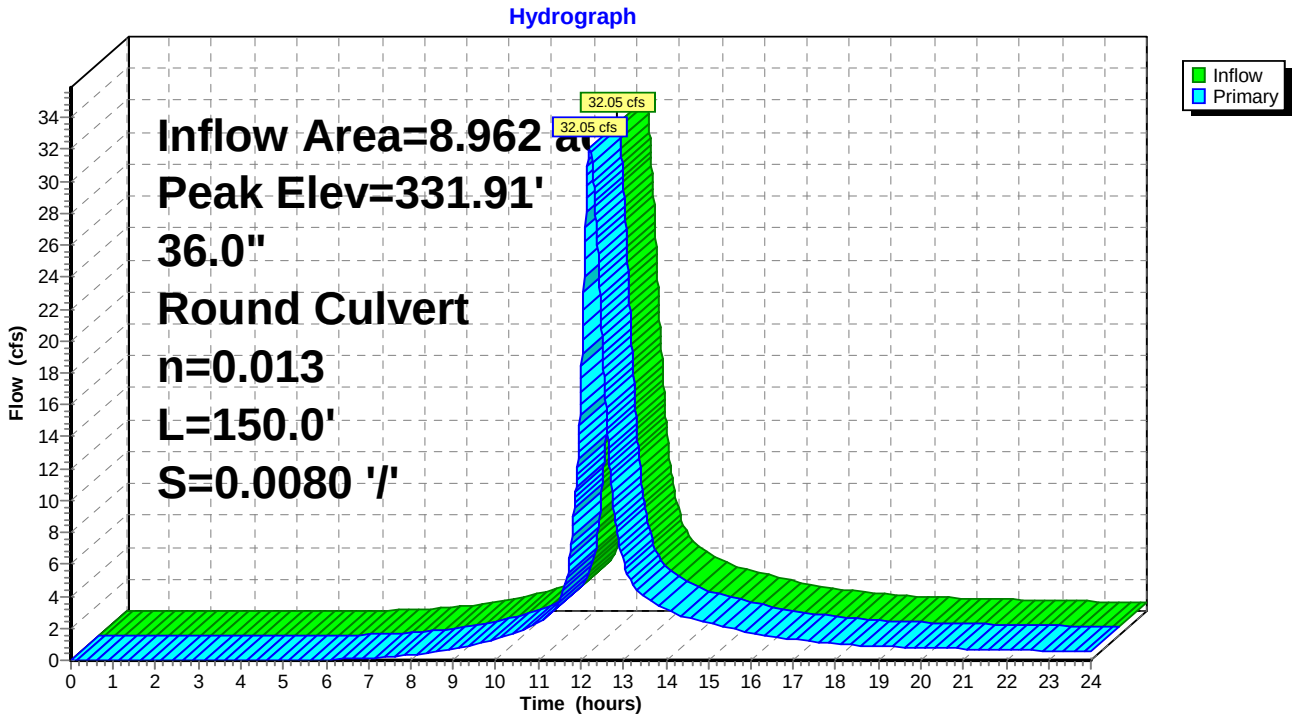
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 4.84" for 50-Year event
Inflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af
Outflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af, Atten= 0%, Lag= 0.0 min
Primary = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.91' @ 12.20 hrs
Flood Elev= 337.00'

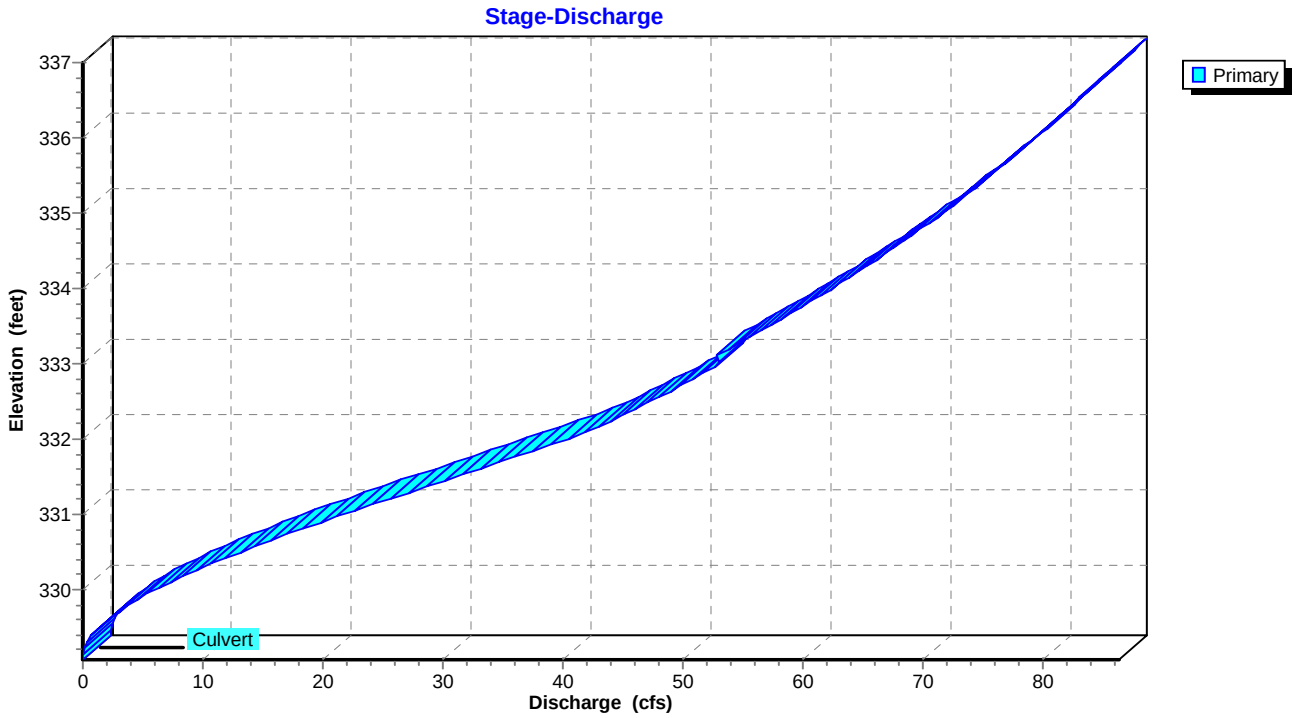
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=32.20 cfs @ 12.21 hrs HW=331.91' TW=330.59' (Dynamic Tailwater)
1=Culvert (Outlet Controls 32.20 cfs @ 6.00 fps)

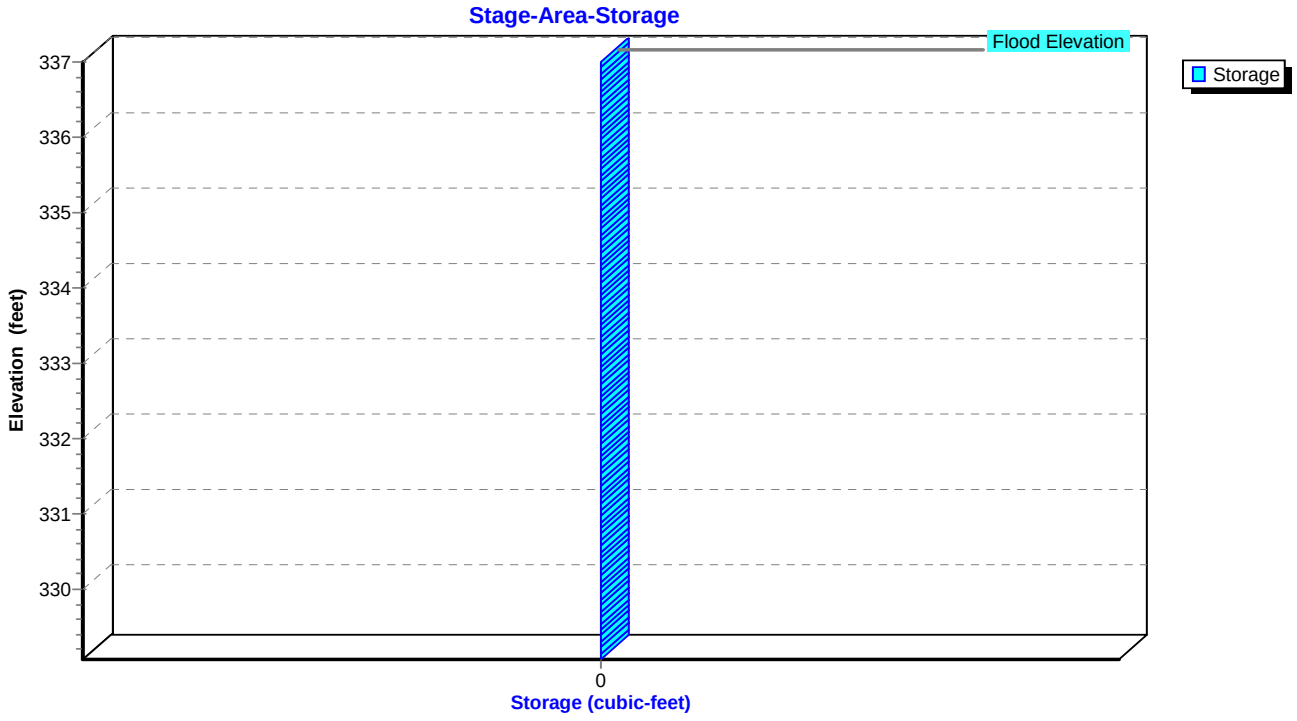
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.10	0.00
6.00	0.02	329.13	0.02
6.50	0.07	329.17	0.07
7.00	0.14	329.21	0.14
7.50	0.23	329.25	0.23
8.00	0.34	329.29	0.34
8.50	0.49	329.33	0.49
9.00	0.71	329.38	0.71
9.50	0.98	329.44	0.98
10.00	1.29	329.49	1.29
10.50	1.74	329.56	1.74
11.00	2.36	329.64	2.36
11.50	3.75	329.79	3.75
12.00	**16.82**	**330.84**	**16.82**
12.50	**20.27**	**331.07**	**20.27**
13.00	6.19	330.03	6.19
13.50	3.92	329.81	3.92
14.00	3.18	329.73	3.18
14.50	2.68	329.68	2.68
15.00	2.35	329.64	2.35
15.50	2.02	329.60	2.02
16.00	1.69	329.55	1.69
16.50	1.45	329.51	1.45
17.00	1.30	329.49	1.30
17.50	1.16	329.47	1.16
18.00	1.01	329.44	1.01
18.50	0.92	329.43	0.92
19.00	0.87	329.42	0.87
19.50	0.83	329.41	0.83
20.00	0.79	329.40	0.79
20.50	0.75	329.39	0.75
21.00	0.72	329.38	0.72
21.50	0.68	329.38	0.68
22.00	0.65	329.37	0.65
22.50	0.62	329.36	0.62
23.00	0.58	329.35	0.58
23.50	0.55	329.35	0.55
24.00	0.52	329.34	0.52

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

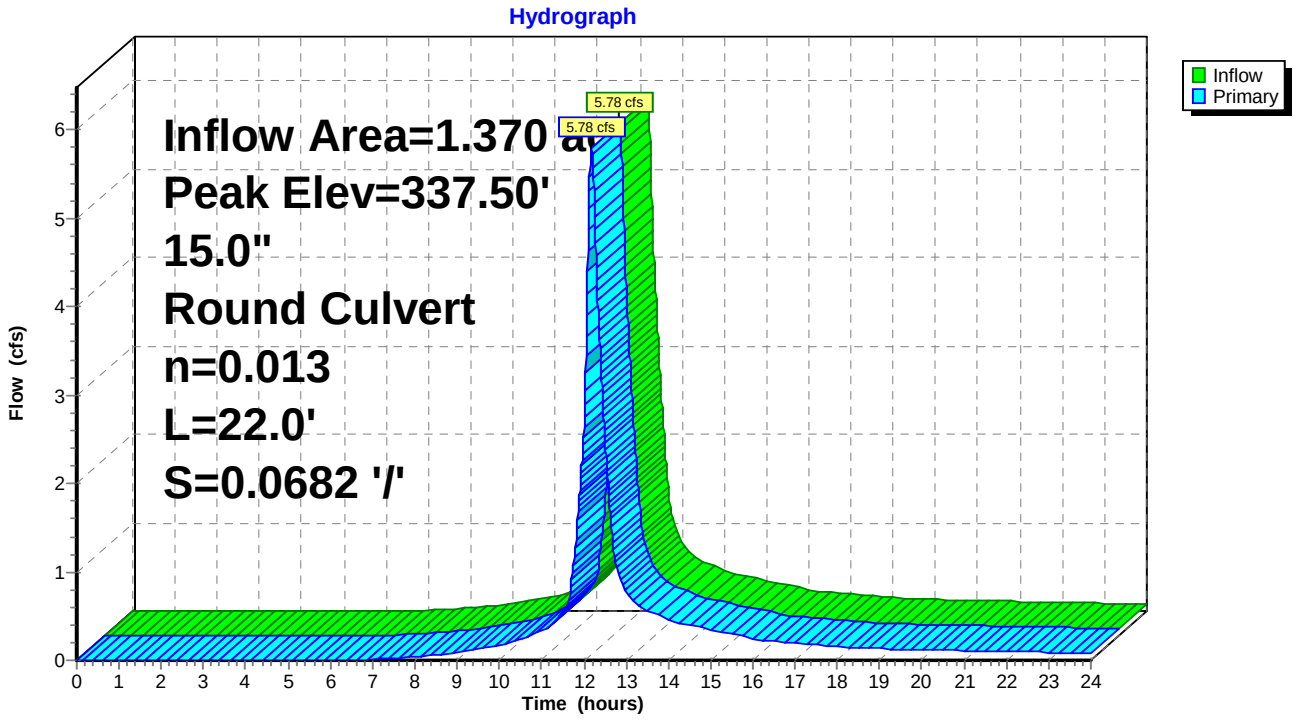
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 4.57" for 50-Year event
Inflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af
Outflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af, Atten= 0%, Lag= 0.0 min
Primary = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.50' @ 12.18 hrs
Flood Elev= 338.50'

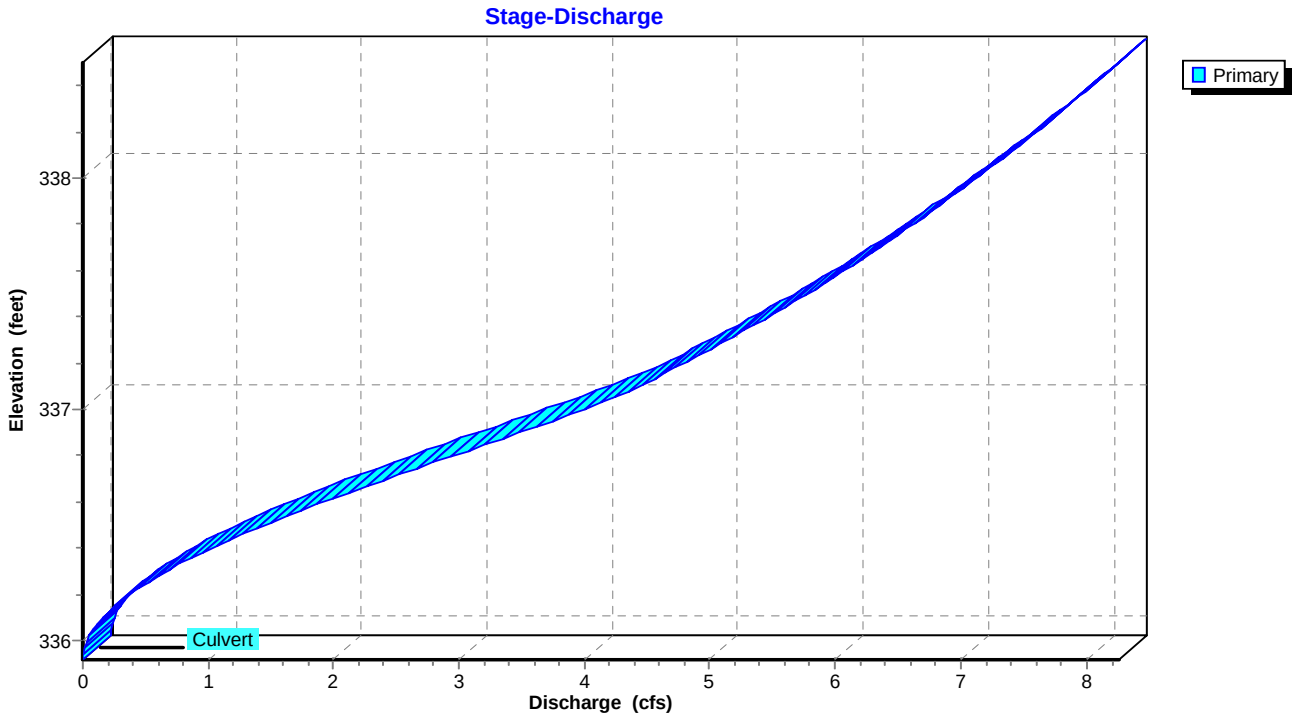
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.78 cfs @ 12.18 hrs HW=337.50' TW=331.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.78 cfs @ 4.71 fps)

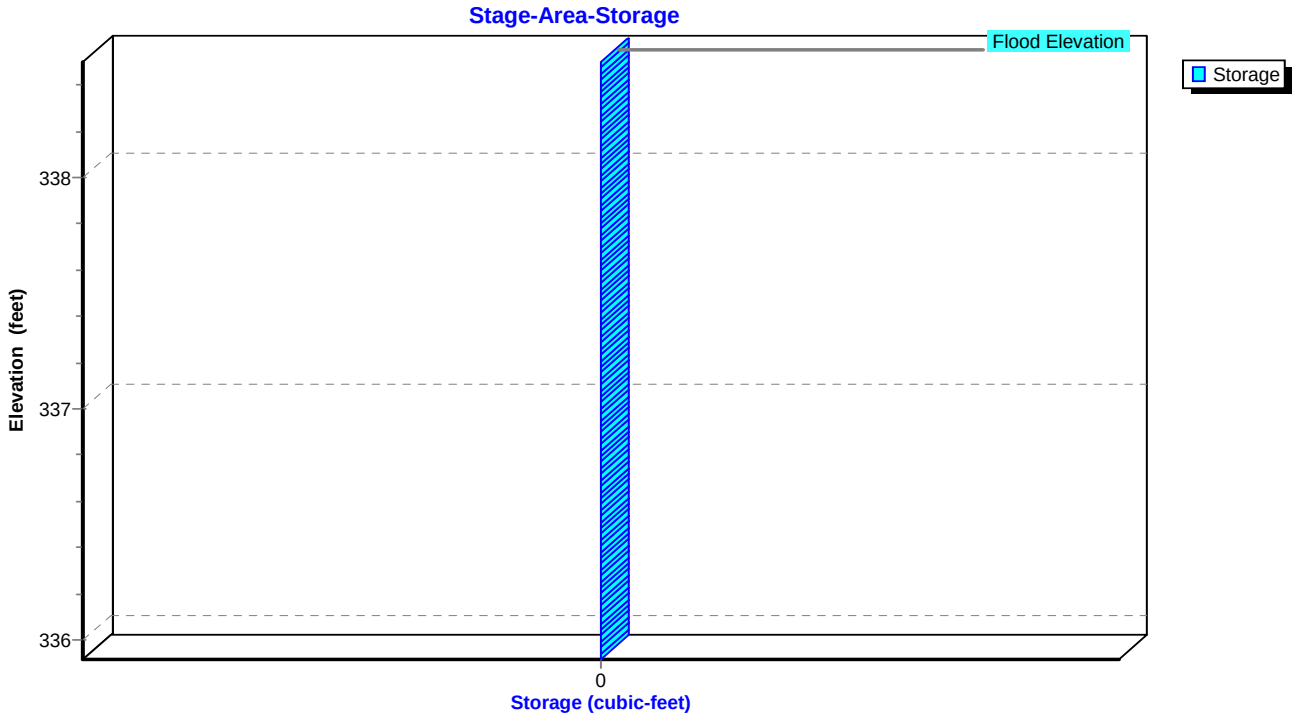
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.94	0.00
7.00	0.01	335.96	0.01
7.50	0.02	335.99	0.02
8.00	0.04	336.01	0.04
8.50	0.06	336.03	0.06
9.00	0.09	336.05	0.09
9.50	0.13	336.08	0.13
10.00	0.17	336.11	0.17
10.50	0.24	336.14	0.24
11.00	0.33	336.18	0.33
11.50	0.55	336.27	0.55
12.00	**2.63**	**336.74**	**2.63**
12.50	**2.52**	**336.72**	**2.52**
13.00	0.78	336.33	0.78
13.50	0.56	336.27	0.56
14.00	0.46	336.23	0.46
14.50	0.39	336.21	0.39
15.00	0.34	336.19	0.34
15.50	0.30	336.17	0.30
16.00	0.25	336.15	0.25
16.50	0.21	336.13	0.21
17.00	0.19	336.12	0.19
17.50	0.17	336.11	0.17
18.00	0.15	336.10	0.15
18.50	0.14	336.09	0.14
19.00	0.13	336.08	0.13
19.50	0.12	336.08	0.12
20.00	0.12	336.07	0.12
20.50	0.11	336.07	0.11
21.00	0.11	336.07	0.11
21.50	0.10	336.06	0.10
22.00	0.10	336.06	0.10
22.50	0.09	336.06	0.09
23.00	0.09	336.05	0.09
23.50	0.08	336.05	0.08
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

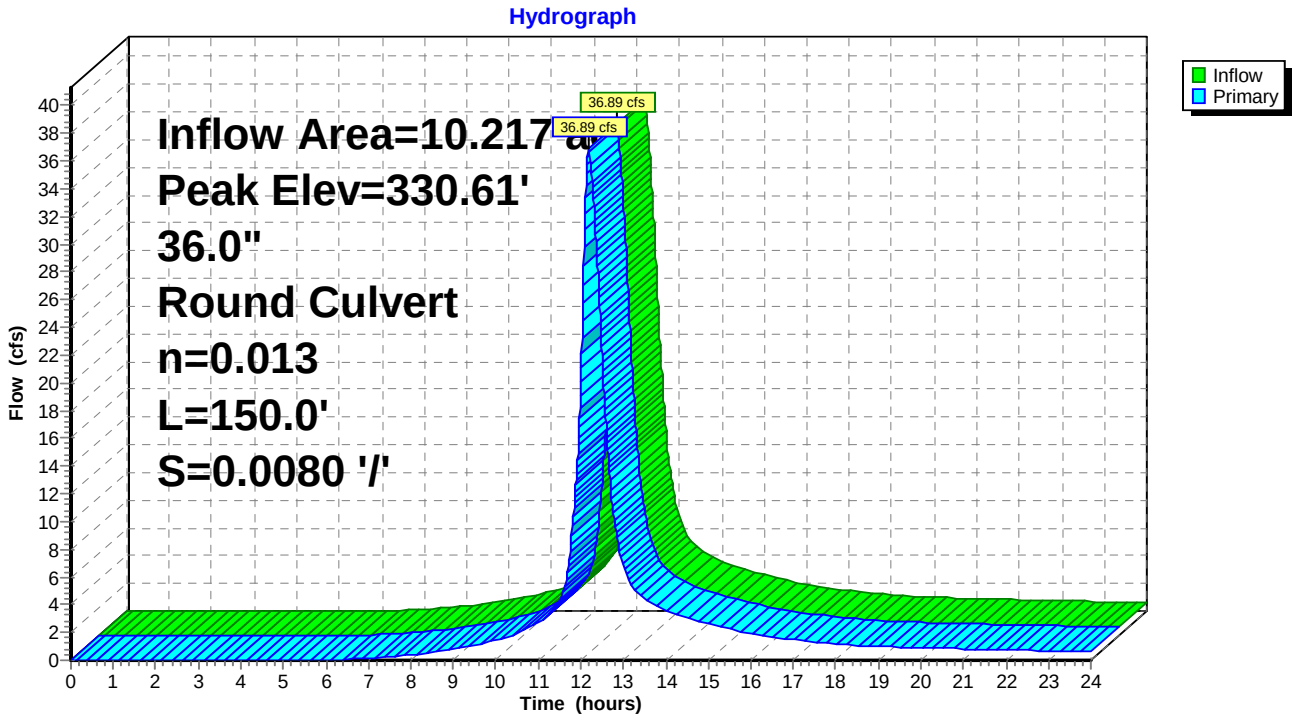
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af
Outflow = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af, Atten= 0%, Lag= 0.0 min
Primary = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.61' @ 12.18 hrs
Flood Elev= 335.75'

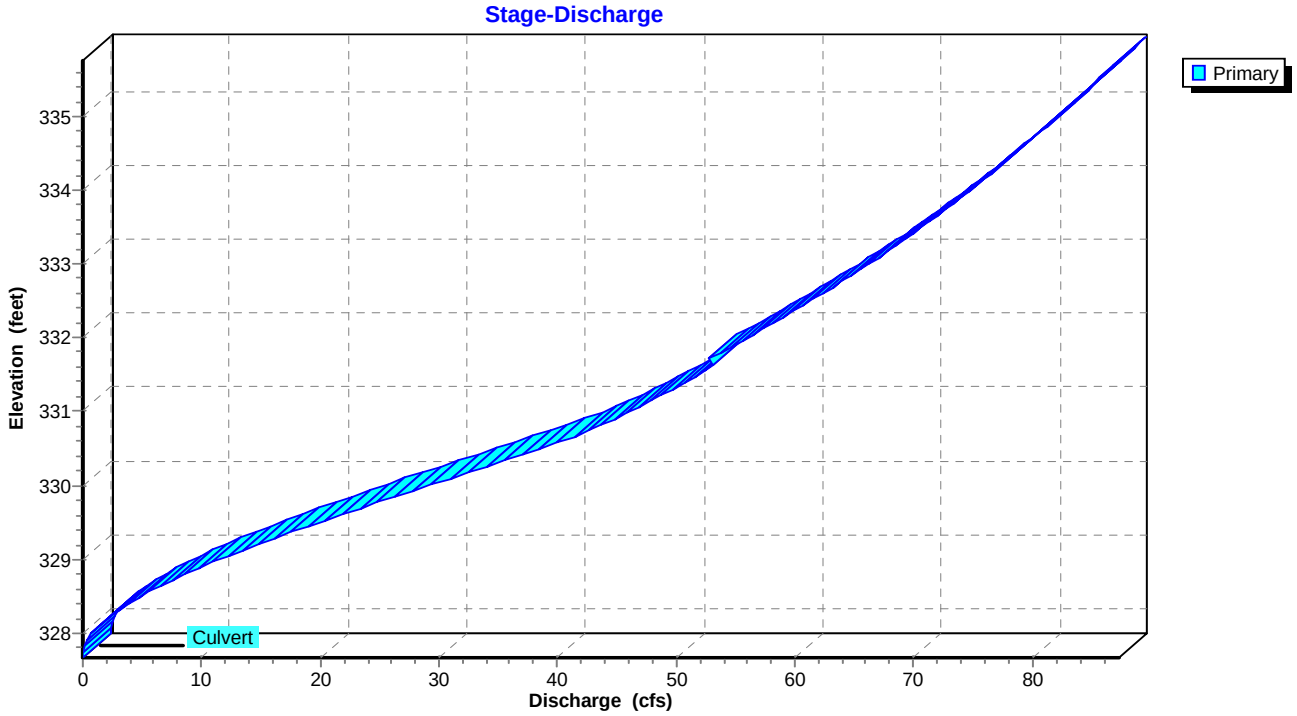
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=36.86 cfs @ 12.18 hrs HW=330.61' TW=329.01' (Dynamic Tailwater)
1=Culvert (Outlet Controls 36.86 cfs @ 6.62 fps)

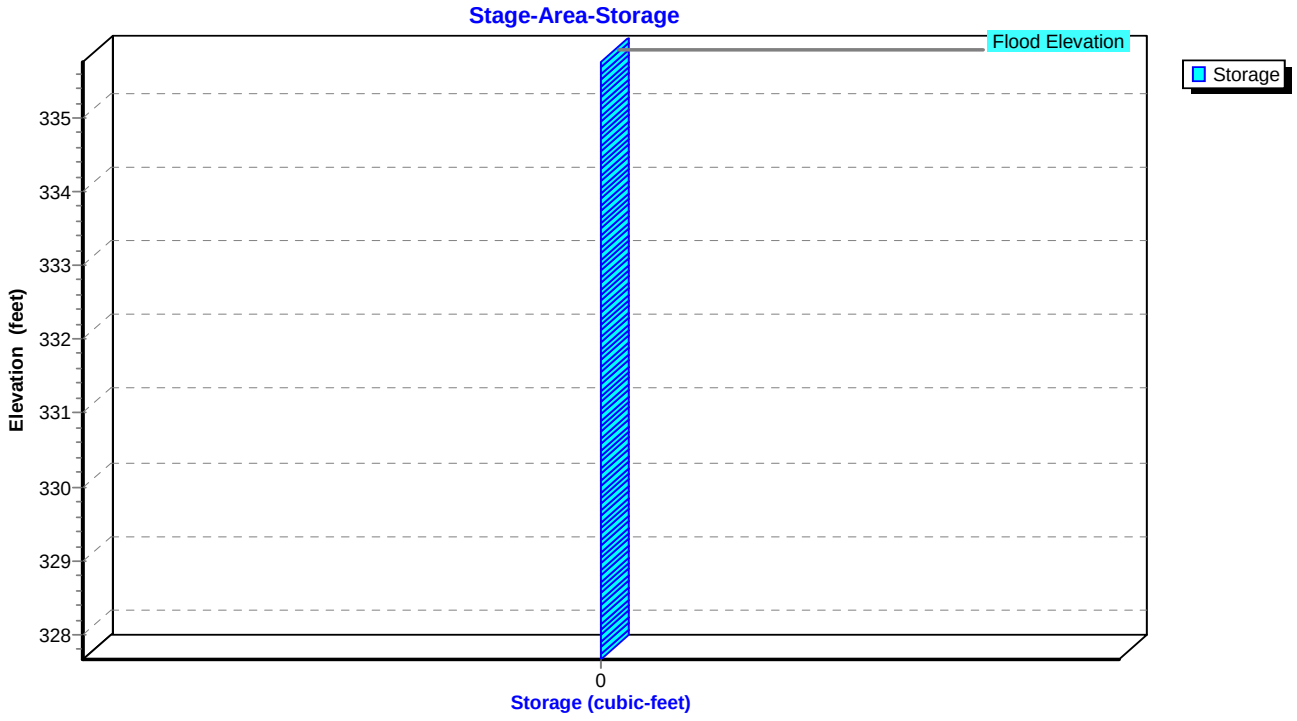
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.70	0.00
6.00	0.02	327.73	0.02
6.50	0.07	327.77	0.07
7.00	0.15	327.82	0.15
7.50	0.25	327.86	0.25
8.00	0.37	327.90	0.37
8.50	0.55	327.95	0.55
9.00	0.80	328.00	0.80
9.50	1.10	328.06	1.10
10.00	1.45	328.12	1.45
10.50	1.97	328.19	1.97
11.00	2.68	328.28	2.68
11.50	4.30	328.45	4.30
12.00	**20.04**	**329.60**	**20.04**
12.50	**22.02**	**329.70**	**22.02**
13.00	6.85	328.68	6.85
13.50	4.41	328.46	4.41
14.00	3.59	328.37	3.59
14.50	3.03	328.32	3.03
15.00	2.65	328.27	2.65
15.50	2.28	328.23	2.28
16.00	1.91	328.18	1.91
16.50	1.64	328.14	1.64
17.00	1.48	328.12	1.48
17.50	1.31	328.09	1.31
18.00	1.15	328.07	1.15
18.50	1.04	328.05	1.04
19.00	0.99	328.04	0.99
19.50	0.94	328.03	0.94
20.00	0.89	328.02	0.89
20.50	0.85	328.01	0.85
21.00	0.81	328.00	0.81
21.50	0.78	328.00	0.78
22.00	0.74	327.99	0.74
22.50	0.70	327.98	0.70
23.00	0.66	327.97	0.66
23.50	0.63	327.96	0.63
24.00	0.59	327.96	0.59

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

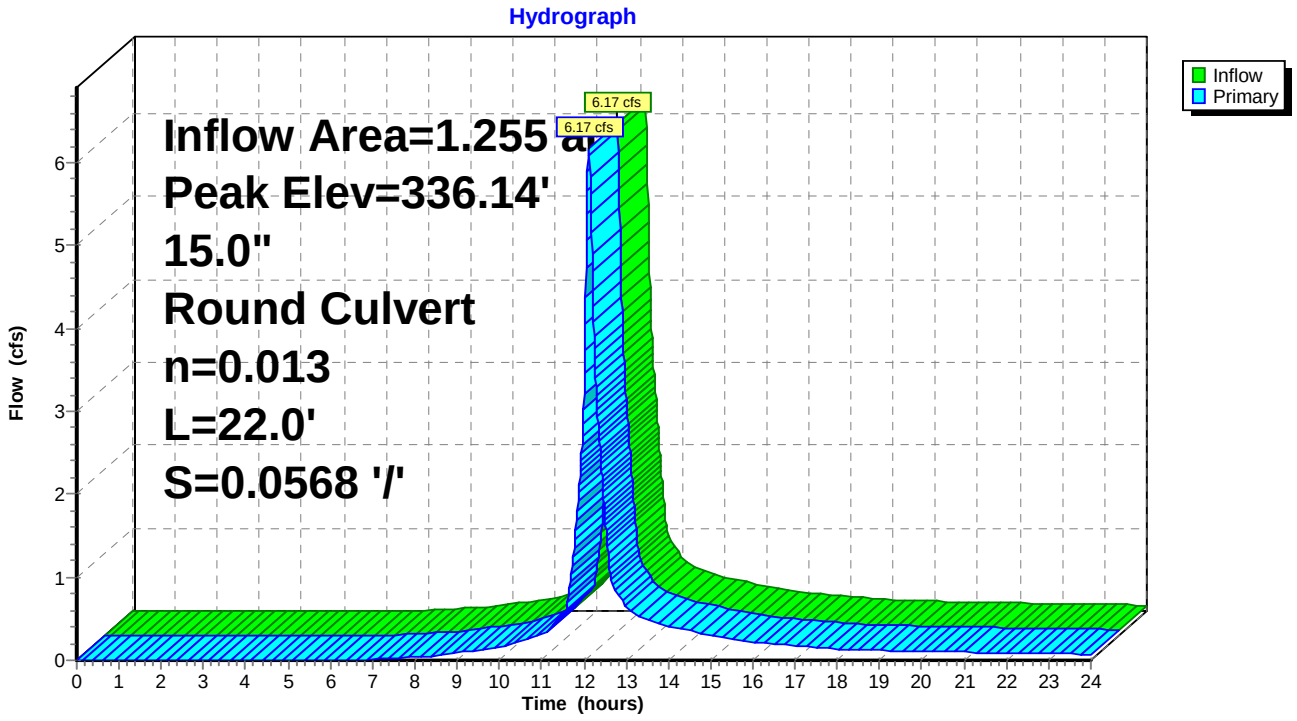
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af
Outflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af, Atten= 0%, Lag= 0.0 min
Primary = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.14' @ 12.12 hrs
Flood Elev= 337.00'

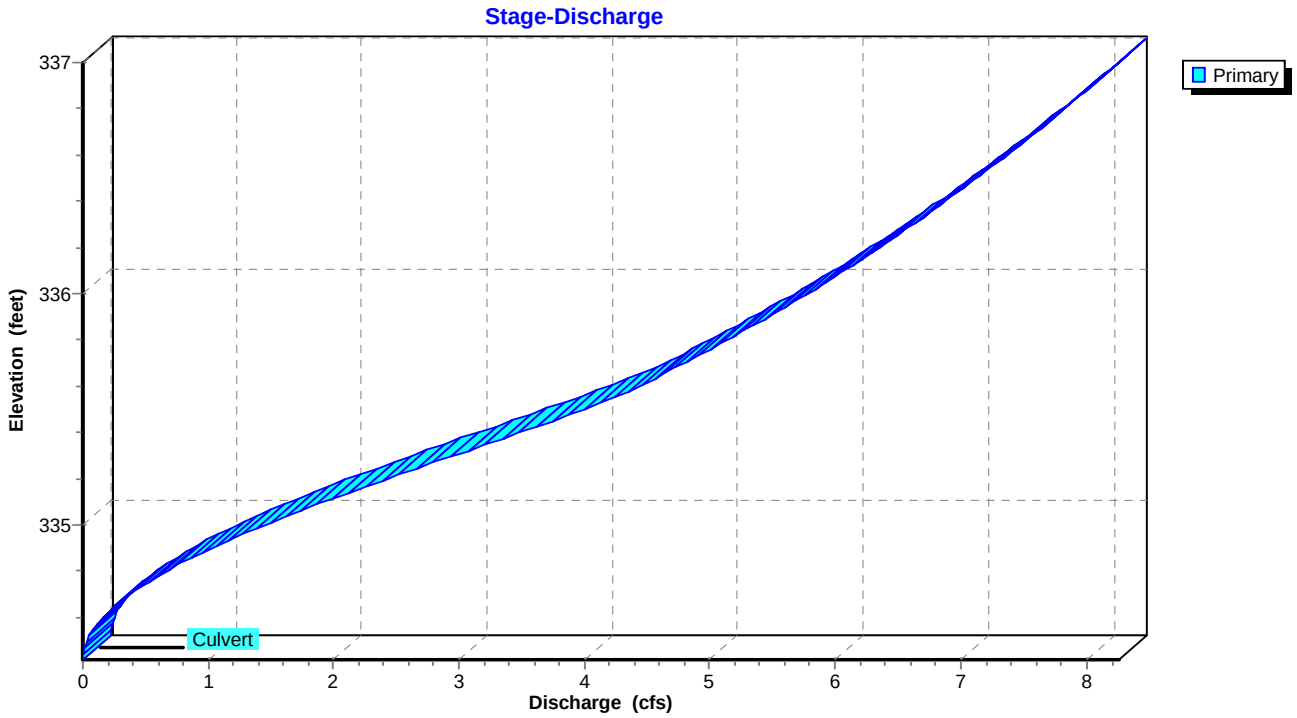
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.16 cfs @ 12.12 hrs HW=336.13' TW=330.42' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.16 cfs @ 5.02 fps)

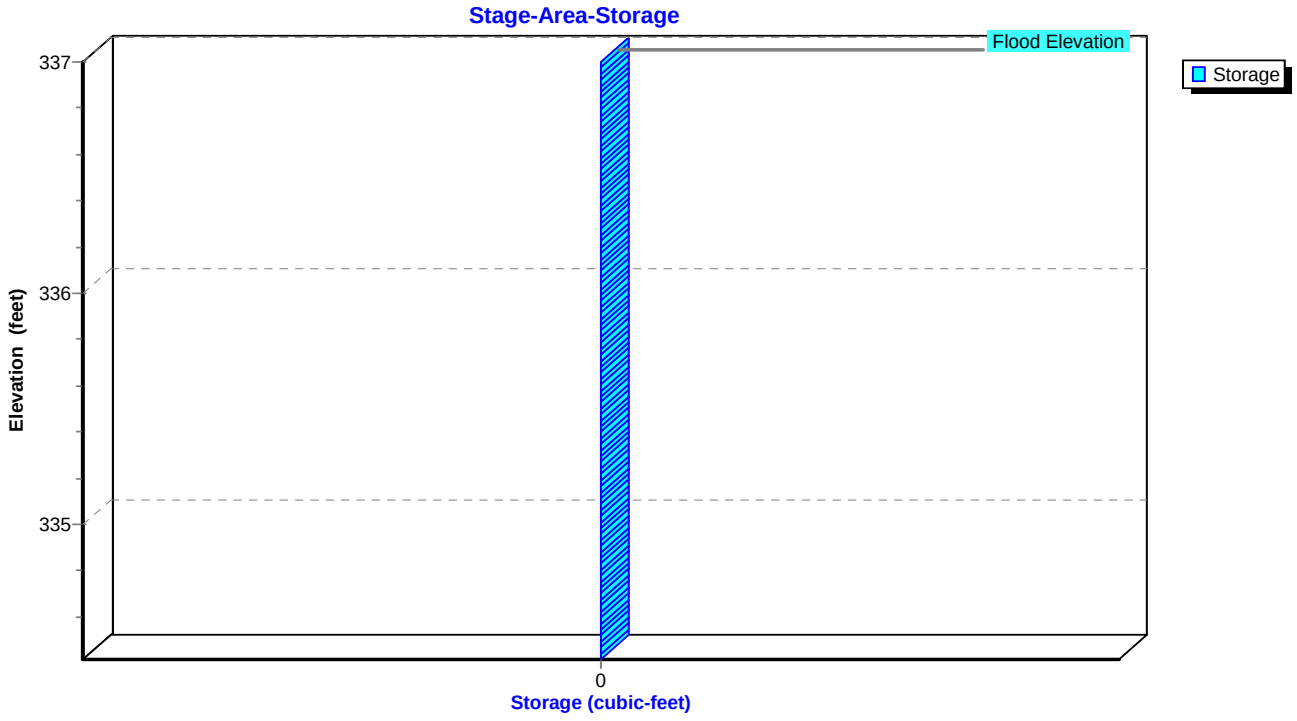
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.44	0.00
7.00	0.01	334.47	0.01
7.50	0.02	334.49	0.02
8.00	0.04	334.51	0.04
8.50	0.06	334.53	0.06
9.00	0.09	334.55	0.09
9.50	0.12	334.58	0.12
10.00	0.16	334.60	0.16
10.50	0.23	334.64	0.23
11.00	0.32	334.68	0.32
11.50	0.55	334.77	0.55
12.00	**3.22**	**335.35**	**3.22**
12.50	**1.76**	**335.07**	**1.76**
13.00	0.65	334.80	0.65
13.50	0.50	334.75	0.50
14.00	0.41	334.71	0.41
14.50	0.35	334.69	0.35
15.00	0.31	334.67	0.31
15.50	0.26	334.65	0.26
16.00	0.22	334.63	0.22
16.50	0.19	334.62	0.19
17.00	0.17	334.61	0.17
17.50	0.15	334.60	0.15
18.00	0.13	334.59	0.13
18.50	0.12	334.58	0.12
19.00	0.12	334.58	0.12
19.50	0.11	334.57	0.11
20.00	0.11	334.57	0.11
20.50	0.10	334.56	0.10
21.00	0.10	334.56	0.10
21.50	0.09	334.56	0.09
22.00	0.09	334.55	0.09
22.50	0.08	334.55	0.08
23.00	0.08	334.55	0.08
23.50	0.07	334.54	0.07
24.00	0.07	334.54	0.07

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

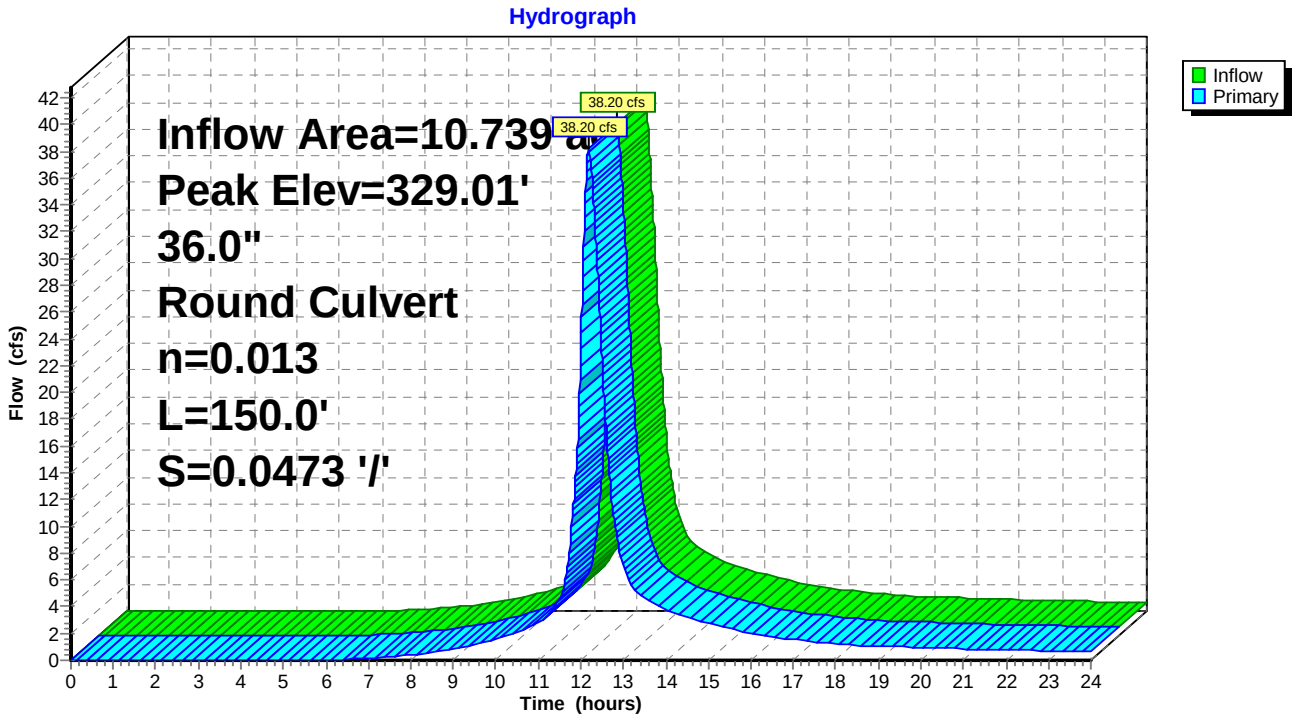
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af
Outflow = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af, Atten= 0%, Lag= 0.0 min
Primary = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.01' @ 12.18 hrs
Flood Elev= 332.25'

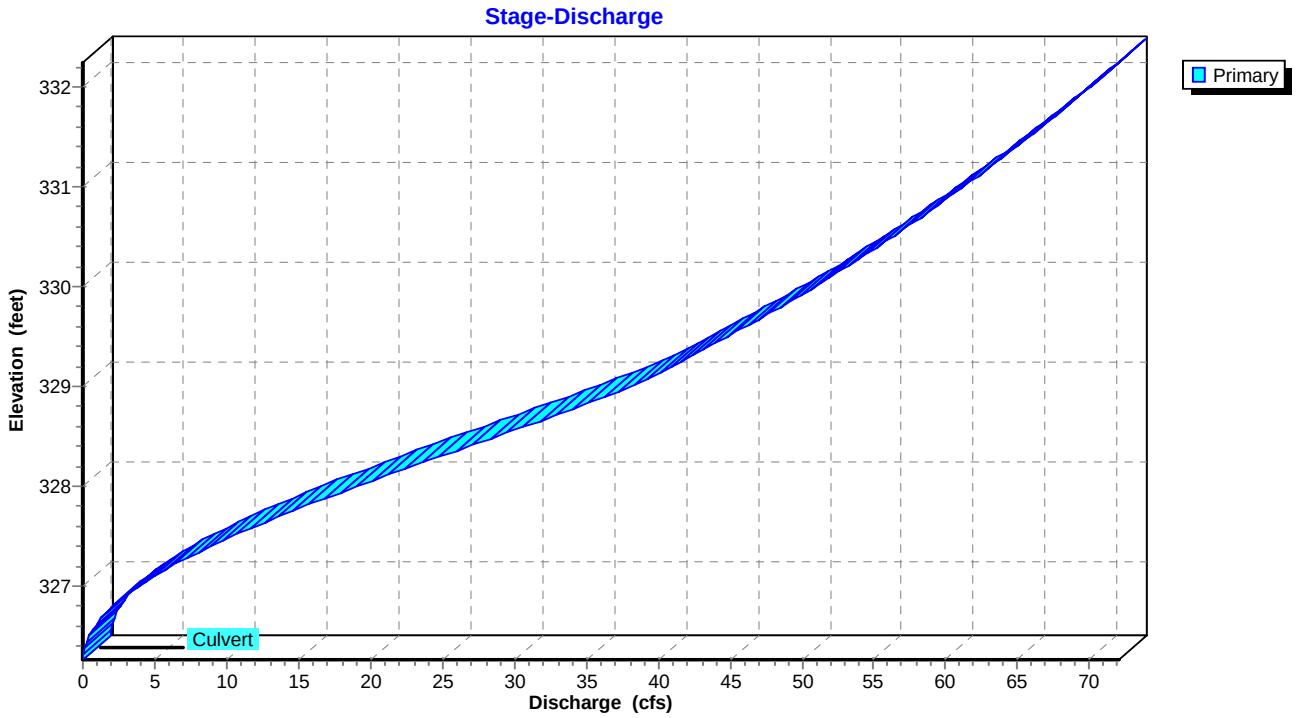
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=38.19 cfs @ 12.18 hrs HW=329.01' TW=321.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 38.19 cfs @ 5.64 fps)

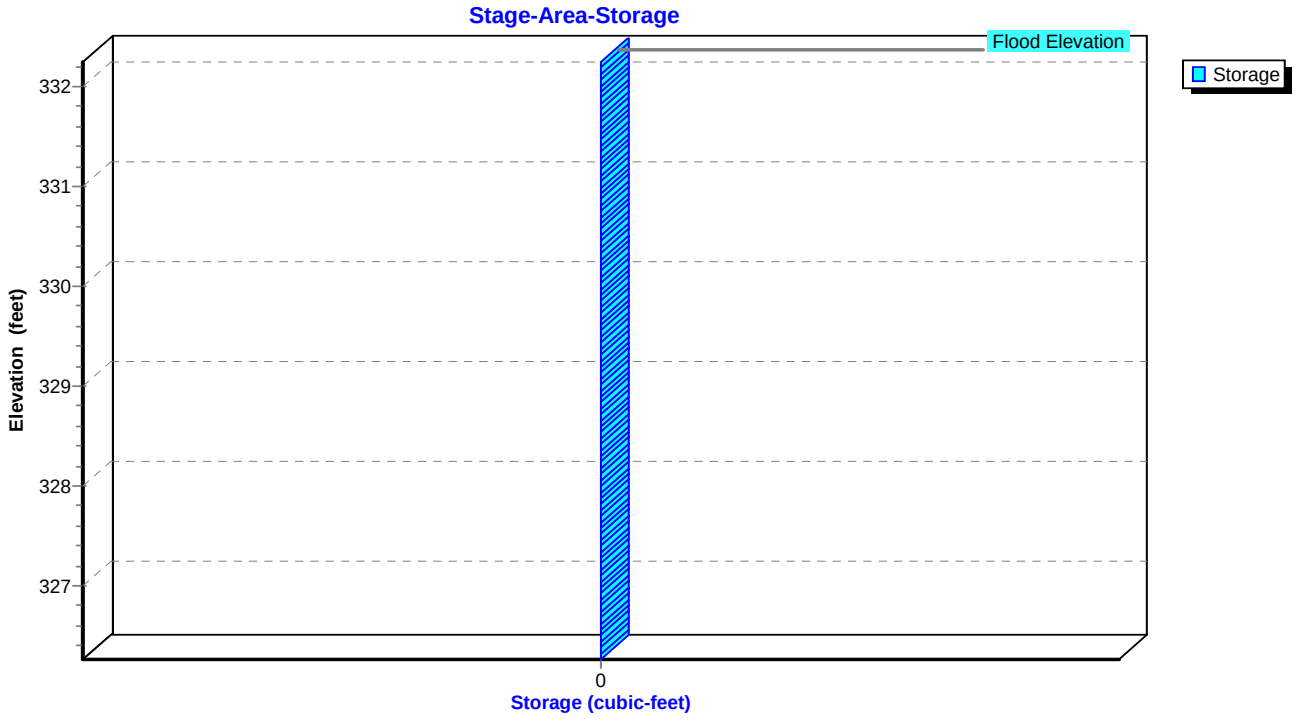
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.29	0.00
6.00	0.03	326.33	0.03
6.50	0.08	326.37	0.08
7.00	0.16	326.41	0.16
7.50	0.27	326.46	0.27
8.00	0.39	326.50	0.39
8.50	0.58	326.55	0.58
9.00	0.84	326.60	0.84
9.50	1.16	326.66	1.16
10.00	1.54	326.72	1.54
10.50	2.08	326.80	2.08
11.00	2.83	326.89	2.83
11.50	4.58	327.07	4.58
12.00	**23.23**	**328.23**	**23.23**
12.50	**22.46**	**328.19**	**22.46**
13.00	7.09	327.28	7.09
13.50	4.62	327.07	4.62
14.00	3.75	326.99	3.75
14.50	3.17	326.93	3.17
15.00	2.78	326.88	2.78
15.50	2.39	326.84	2.39
16.00	2.00	326.79	2.00
16.50	1.72	326.75	1.72
17.00	1.55	326.72	1.55
17.50	1.37	326.70	1.37
18.00	1.20	326.67	1.20
18.50	1.09	326.65	1.09
19.00	1.04	326.64	1.04
19.50	0.99	326.63	0.99
20.00	0.94	326.62	0.94
20.50	0.89	326.61	0.89
21.00	0.85	326.61	0.85
21.50	0.81	326.60	0.81
22.00	0.78	326.59	0.78
22.50	0.74	326.58	0.74
23.00	0.70	326.57	0.70
23.50	0.66	326.56	0.66
24.00	0.62	326.55	0.62

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

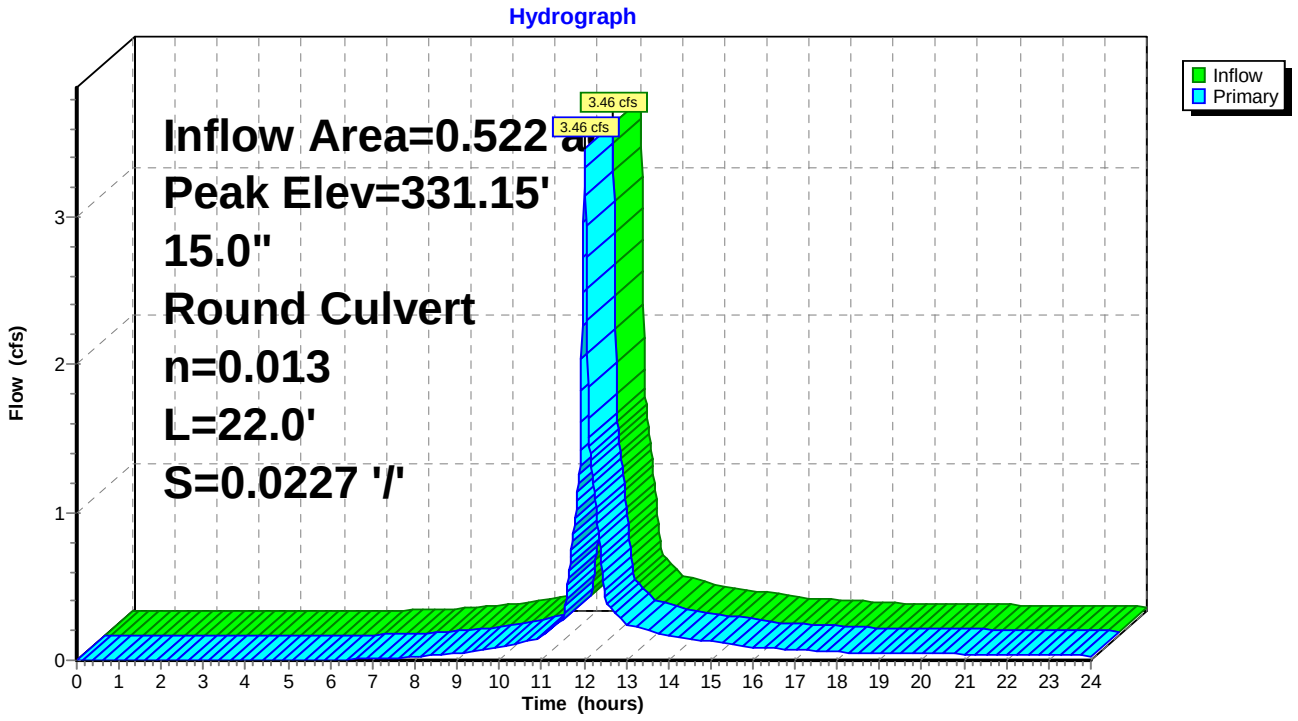
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.15' @ 12.02 hrs
Flood Elev= 332.80'

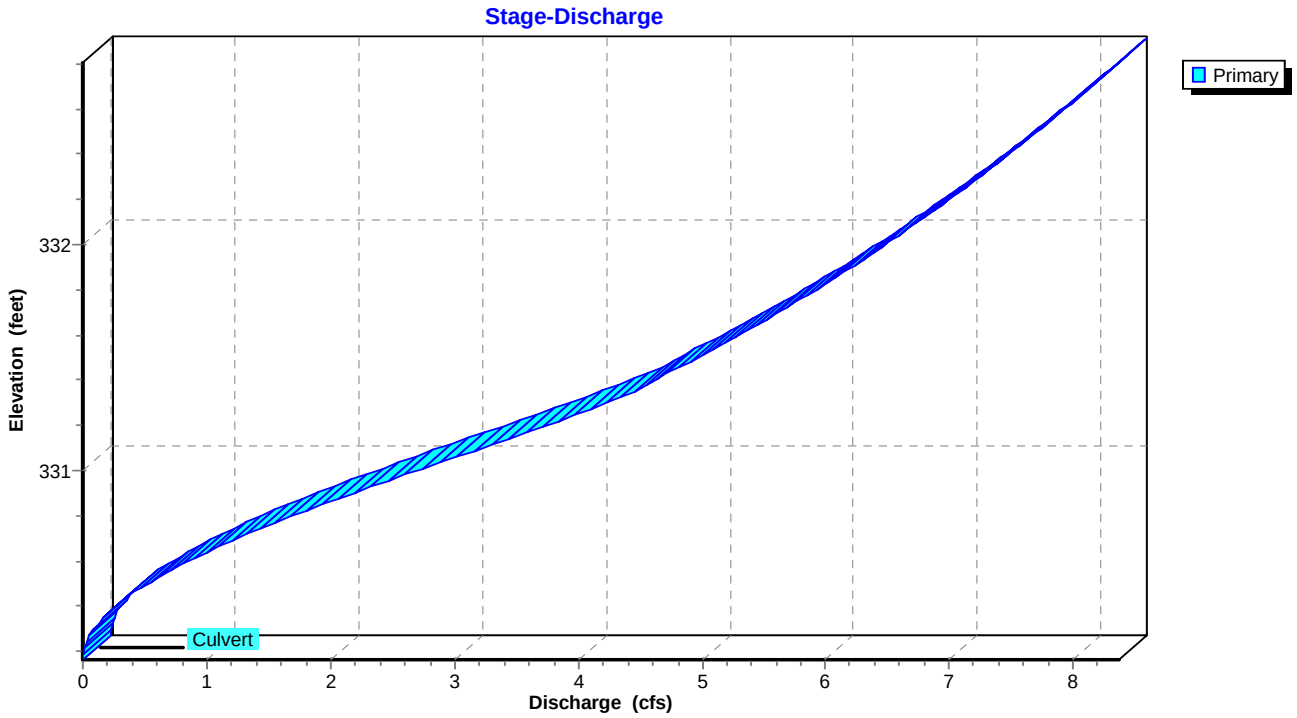
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.44 cfs @ 12.02 hrs HW=331.14' TW=328.33' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.44 cfs @ 3.36 fps)

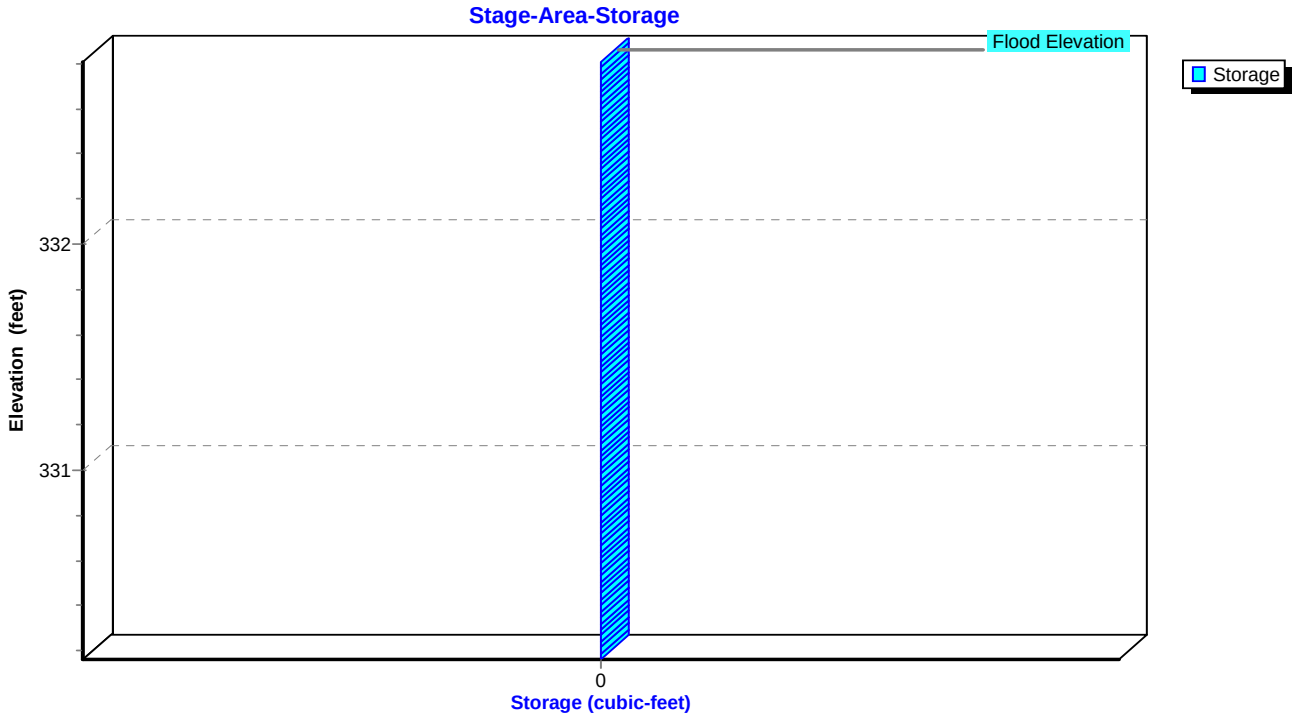
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.19	0.00
6.50	0.01	330.20	0.01
7.00	0.01	330.21	0.01
7.50	0.02	330.23	0.02
8.00	0.02	330.24	0.02
8.50	0.03	330.25	0.03
9.00	0.05	330.27	0.05
9.50	0.06	330.28	0.06
10.00	0.08	330.30	0.08
10.50	0.12	330.32	0.12
11.00	0.16	330.35	0.16
11.50	0.28	330.41	0.28
12.00	**3.19**	**331.10**	**3.19**
12.50	**0.43**	**330.47**	**0.43**
13.00	0.24	330.40	0.24
13.50	0.20	330.38	0.20
14.00	0.16	330.35	0.16
14.50	0.15	330.34	0.15
15.00	0.13	330.33	0.13
15.50	0.11	330.32	0.11
16.00	0.09	330.30	0.09
16.50	0.08	330.30	0.08
17.00	0.07	330.29	0.07
17.50	0.06	330.28	0.06
18.00	0.05	330.28	0.05
18.50	0.05	330.27	0.05
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.04	330.26	0.04
20.50	0.04	330.26	0.04
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.03	330.25	0.03
23.00	0.03	330.25	0.03
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

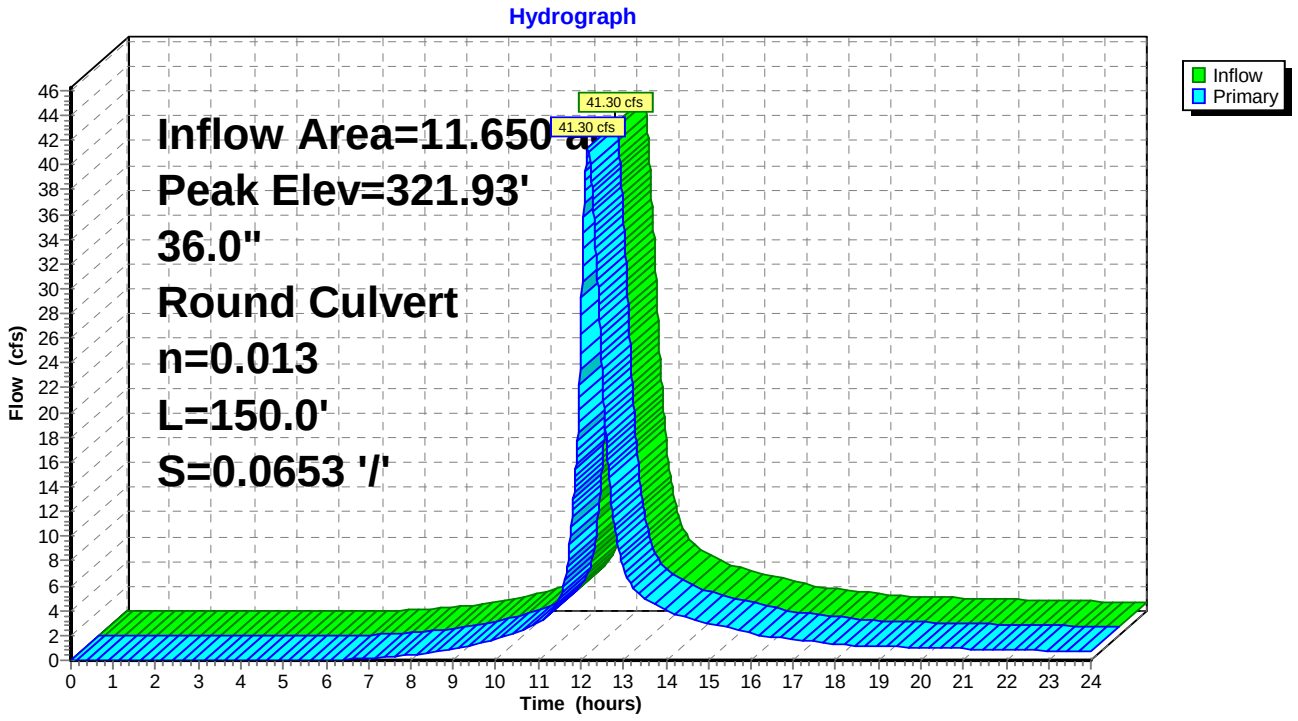
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 4.78" for 50-Year event
Inflow = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af
Outflow = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af, Atten= 0%, Lag= 0.0 min
Primary = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.93' @ 12.16 hrs
Flood Elev= 338.50'

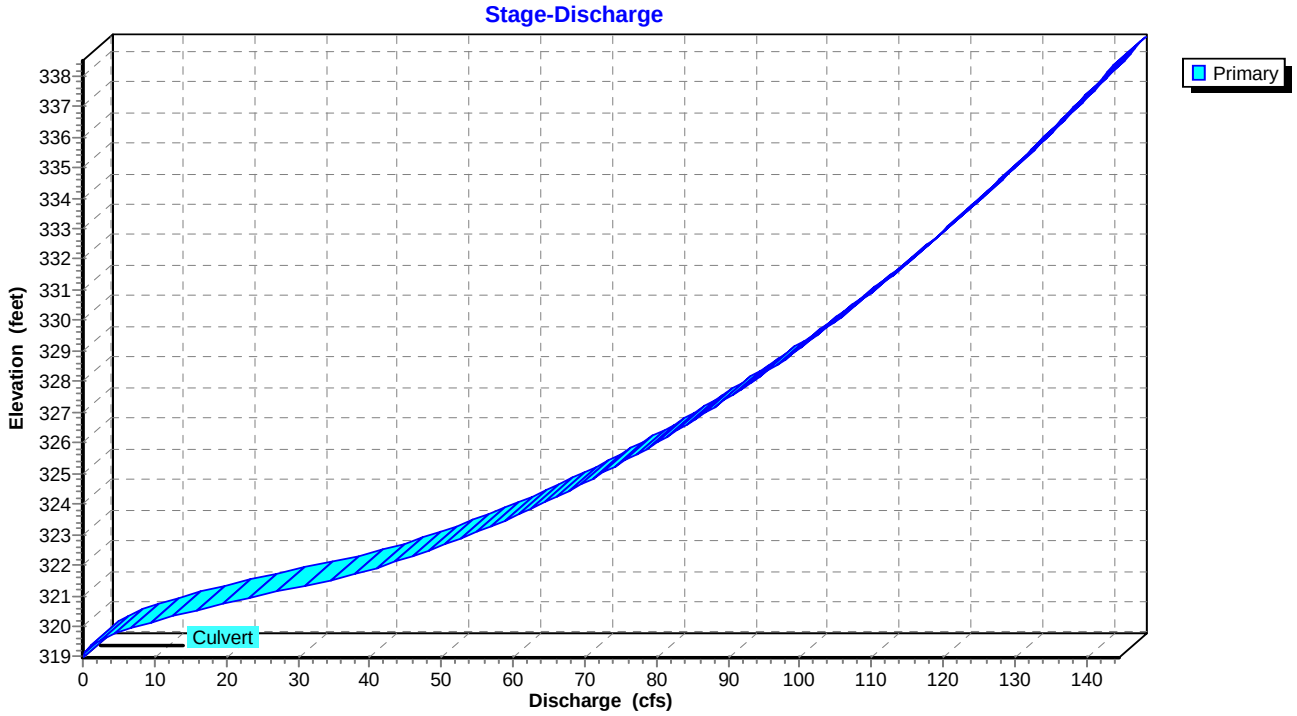
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=41.30 cfs @ 12.16 hrs HW=321.93' TW=312.06' (Dynamic Tailwater)
1=Culvert (Inlet Controls 41.30 cfs @ 5.86 fps)

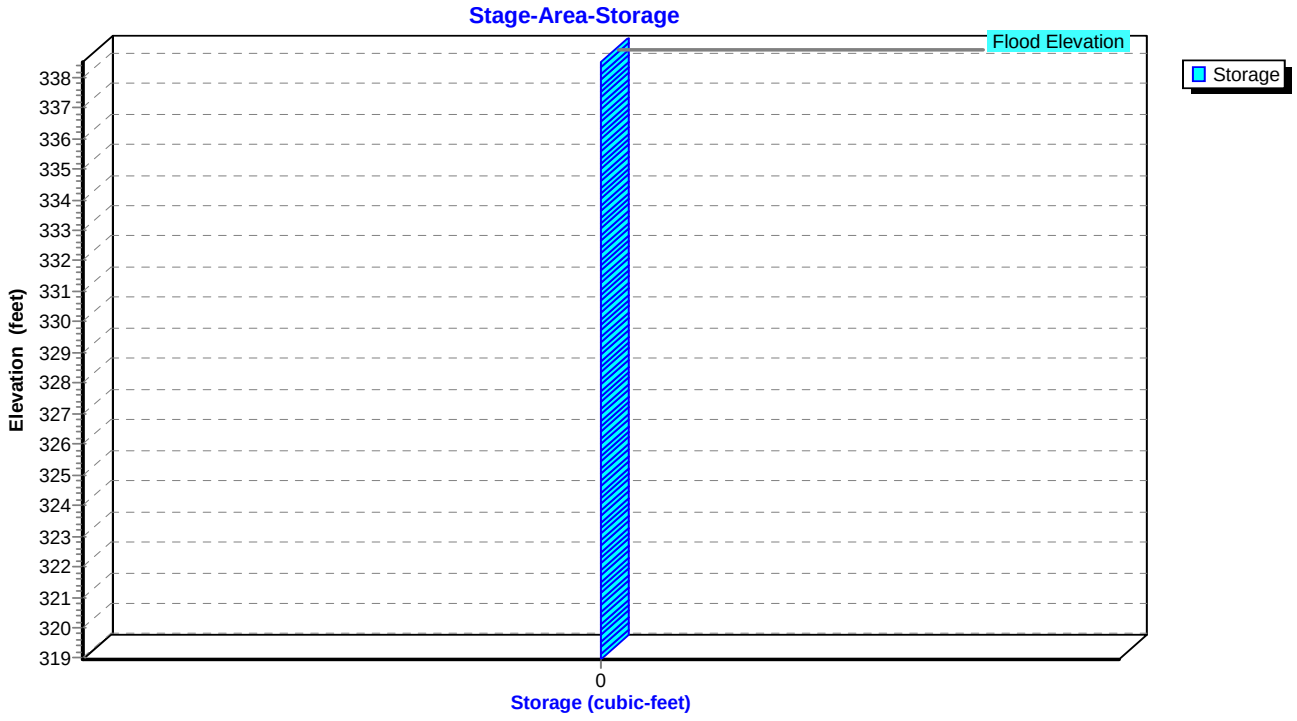
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.99	0.00
6.00	0.03	319.03	0.03
6.50	0.08	319.07	0.08
7.00	0.17	319.12	0.17
7.50	0.28	319.16	0.28
8.00	0.42	319.20	0.42
8.50	0.62	319.25	0.62
9.00	0.90	319.31	0.90
9.50	1.25	319.38	1.25
10.00	1.65	319.44	1.65
10.50	2.25	319.52	2.25
11.00	3.06	319.62	3.06
11.50	4.98	319.80	4.98
12.00	**26.25**	**321.08**	**26.25**
12.50	**23.50**	**320.94**	**23.50**
13.00	7.54	320.01	7.54
13.50	4.97	319.80	4.97
14.00	4.04	319.72	4.04
14.50	3.42	319.65	3.42
15.00	3.00	319.61	3.00
15.50	2.58	319.56	2.58
16.00	2.15	319.51	2.15
16.50	1.86	319.47	1.86
17.00	1.67	319.44	1.67
17.50	1.48	319.41	1.48
18.00	1.30	319.39	1.30
18.50	1.18	319.37	1.18
19.00	1.12	319.36	1.12
19.50	1.07	319.35	1.07
20.00	1.01	319.34	1.01
20.50	0.97	319.33	0.97
21.00	0.92	319.32	0.92
21.50	0.88	319.31	0.88
22.00	0.84	319.30	0.84
22.50	0.80	319.29	0.80
23.00	0.75	319.28	0.75
23.50	0.71	319.28	0.71
24.00	0.67	319.27	0.67

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

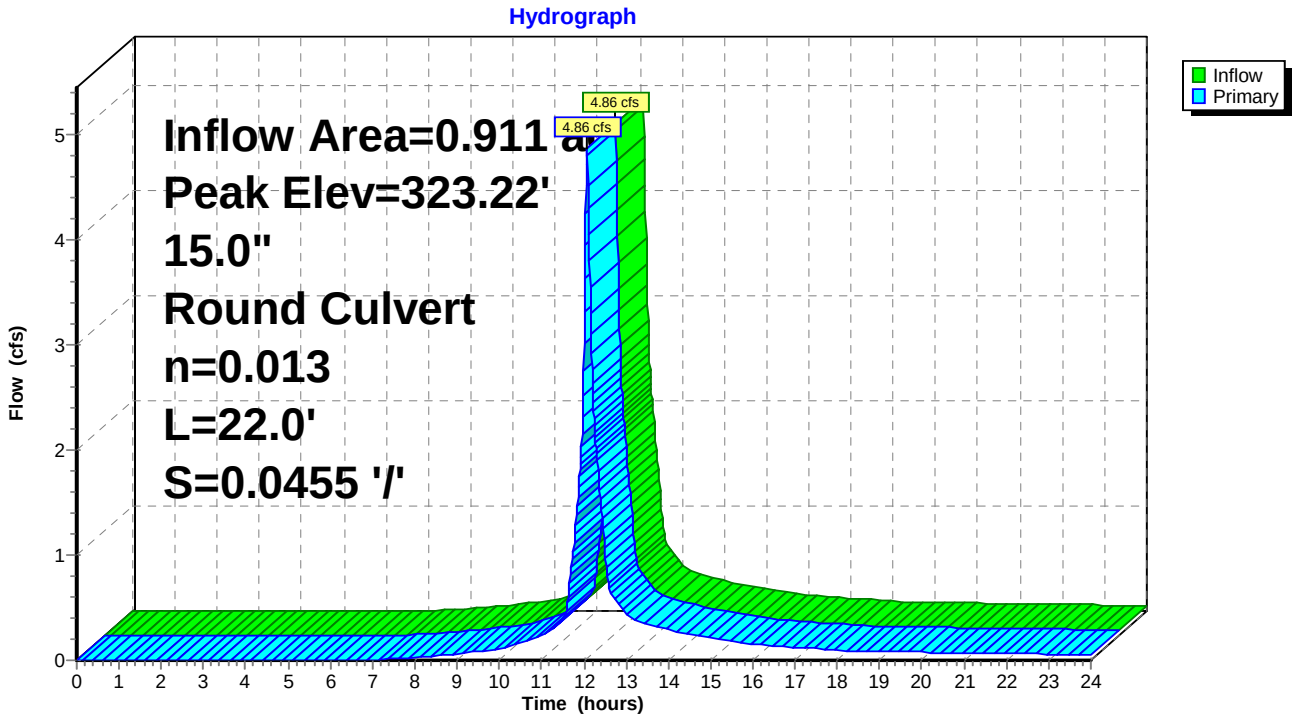
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.47" for 50-Year event
Inflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af
Outflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af, Atten= 0%, Lag= 0.0 min
Primary = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.22' @ 12.08 hrs
Flood Elev= 324.50'

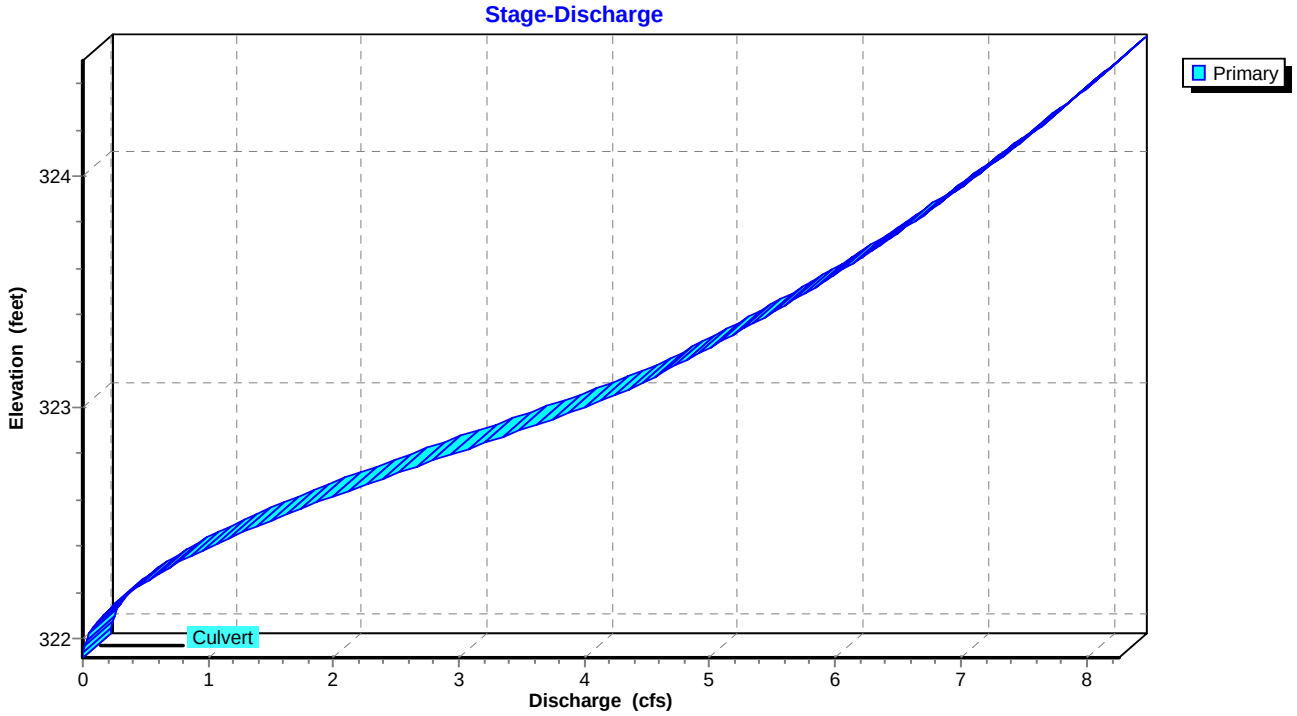
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.86 cfs @ 12.08 hrs HW=323.22' TW=321.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.86 cfs @ 3.96 fps)

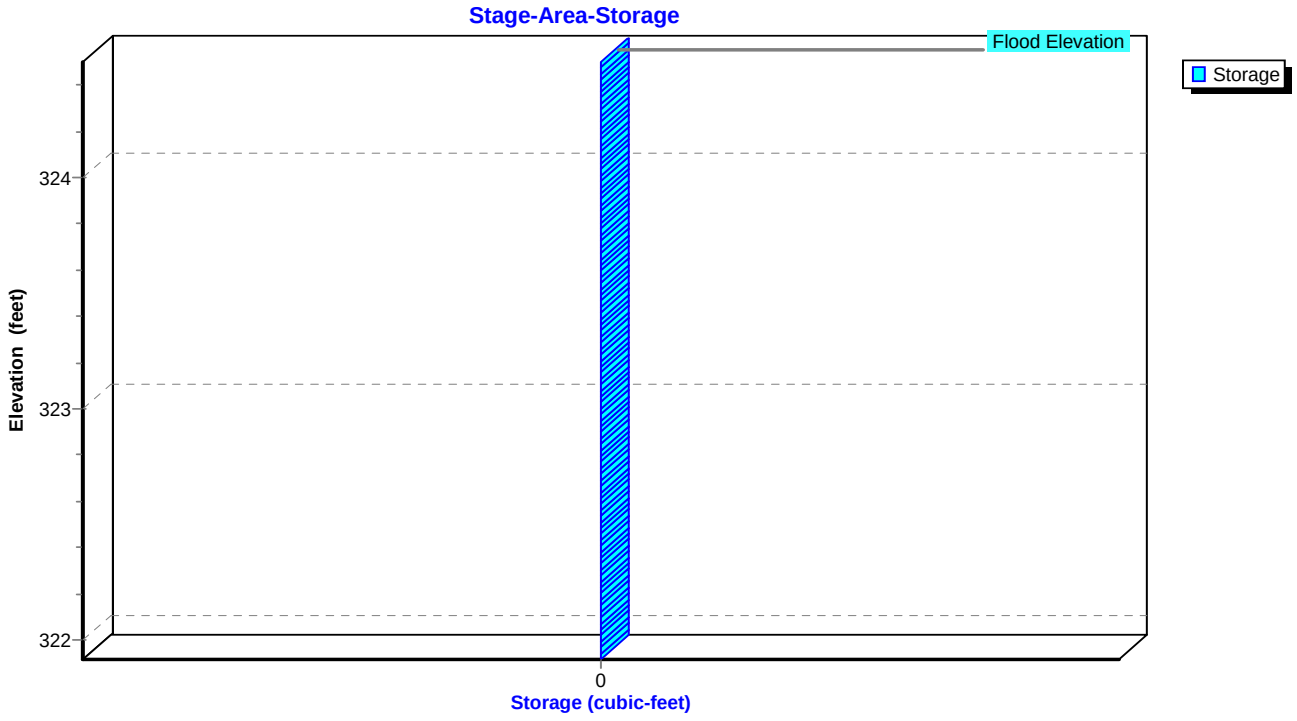
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.01	321.95	0.01
7.50	0.01	321.97	0.01
8.00	0.02	321.99	0.02
8.50	0.04	322.01	0.04
9.00	0.06	322.03	0.06
9.50	0.08	322.05	0.08
10.00	0.11	322.07	0.11
10.50	0.16	322.10	0.16
11.00	0.23	322.14	0.23
11.50	0.40	322.21	0.40
12.00	**3.02**	**322.81**	**3.02**
12.50	**1.04**	**322.40**	**1.04**
13.00	0.44	322.23	0.44
13.50	0.35	322.19	0.35
14.00	0.29	322.17	0.29
14.50	0.25	322.15	0.25
15.00	0.22	322.13	0.22
15.50	0.19	322.12	0.19
16.00	0.15	322.10	0.15
16.50	0.14	322.09	0.14
17.00	0.12	322.08	0.12
17.50	0.11	322.07	0.11
18.00	0.09	322.06	0.09
18.50	0.09	322.05	0.09
19.00	0.08	322.05	0.08
19.50	0.08	322.05	0.08
20.00	0.08	322.04	0.08
20.50	0.07	322.04	0.07
21.00	0.07	322.04	0.07
21.50	0.07	322.04	0.07
22.00	0.06	322.03	0.06
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.05	322.02	0.05
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.78' Inflow=8.05 cfs 0.961 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=8.05 cfs 0.961 af

Pond CB10: Catchbasin Peak Elev=312.38' Inflow=47.05 cfs 5.372 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=47.05 cfs 5.372 af

Pond CB10-1: CB1-1 Peak Elev=313.15' Inflow=4.61 cfs 0.282 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.61 cfs 0.282 af

Pond CB11: Catchbasin Peak Elev=302.96' Inflow=50.27 cfs 5.642 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0122 '/' Outflow=50.27 cfs 5.642 af

Pond CB11-1: CB1-1 Peak Elev=303.33' Inflow=3.27 cfs 0.270 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.27 cfs 0.270 af

Pond CB12: Catchbasin Peak Elev=300.78' Inflow=57.09 cfs 6.202 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0153 '/' Outflow=57.09 cfs 6.202 af

Pond CB12-1: CB1-1 Peak Elev=302.20' Inflow=7.30 cfs 0.559 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=7.30 cfs 0.559 af

Pond CB13: Catchbasin Peak Elev=297.02' Inflow=61.09 cfs 6.547 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0387 '/' Outflow=61.09 cfs 6.547 af

Pond CB13-1: CB1-1 Peak Elev=297.59' Inflow=4.02 cfs 0.345 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=4.02 cfs 0.345 af

Pond CB14: Catchbasin Peak Elev=289.97' Inflow=61.87 cfs 6.657 af
48.0" Round Culvert n=0.013 L=150.0' S=0.0265 '/' Outflow=61.87 cfs 6.657 af

Pond CB14-1: CB1-1 Peak Elev=291.07' Inflow=1.76 cfs 0.110 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1023 '/' Outflow=1.76 cfs 0.110 af

Pond CB15: Catchbasin Peak Elev=286.45' Inflow=80.12 cfs 9.085 af
48.0" Round Culvert n=0.013 L=150.0' S=0.1648 '/' Outflow=80.12 cfs 9.085 af

Pond CB15-1: CB1-1 Peak Elev=288.58' Inflow=22.77 cfs 2.429 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0114 '/' Outflow=22.77 cfs 2.429 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.92' Inflow=17.21 cfs 1.962 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=17.21 cfs 1.962 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=344.41' Inflow=21.08 cfs 2.391 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=21.08 cfs 2.391 af

Pond CB4: Catchbasin Peak Elev=334.39' Inflow=28.19 cfs 3.257 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=28.19 cfs 3.257 af

Pond CB4-1: CB1-1 Peak Elev=339.47' Inflow=28.19 cfs 3.257 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=28.19 cfs 3.257 af

Pond CB5: Catchbasin Peak Elev=333.27' Inflow=28.93 cfs 3.385 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=28.93 cfs 3.385 af

Pond CB5-1: CB1-1 Peak Elev=334.59' Inflow=2.13 cfs 0.128 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=2.13 cfs 0.128 af

Pond CB6: Catchbasin Peak Elev=332.17' Inflow=35.06 cfs 3.960 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=35.06 cfs 3.960 af

Pond CB6-1: CB1-1 Peak Elev=337.70' Inflow=6.35 cfs 0.574 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=6.35 cfs 0.574 af

Pond CB7: Catchbasin Peak Elev=330.88' Inflow=40.38 cfs 4.487 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=40.38 cfs 4.487 af

Pond CB7-1: CB1-1 Peak Elev=336.36' Inflow=6.77 cfs 0.527 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.77 cfs 0.527 af

Pond CB8: Catchbasin Peak Elev=329.28' Inflow=41.81 cfs 4.716 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=41.81 cfs 4.716 af

Pond CB8-1: CB1-1 Peak Elev=331.21' Inflow=3.78 cfs 0.229 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.78 cfs 0.229 af

Pond CB9: Catchbasin Peak Elev=322.24' Inflow=45.23 cfs 5.090 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=45.23 cfs 5.090 af

Pond CB9-1: CB1-1 Peak Elev=323.36' Inflow=5.34 cfs 0.374 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=5.34 cfs 0.374 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

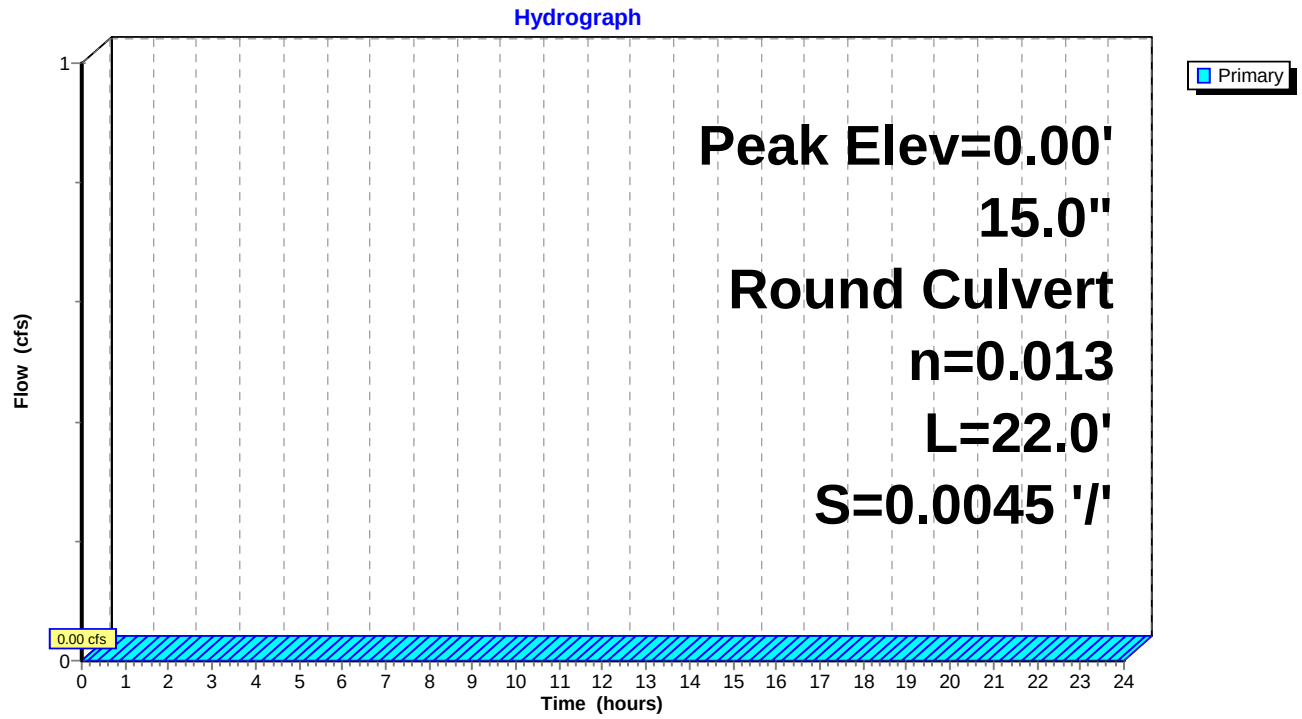
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

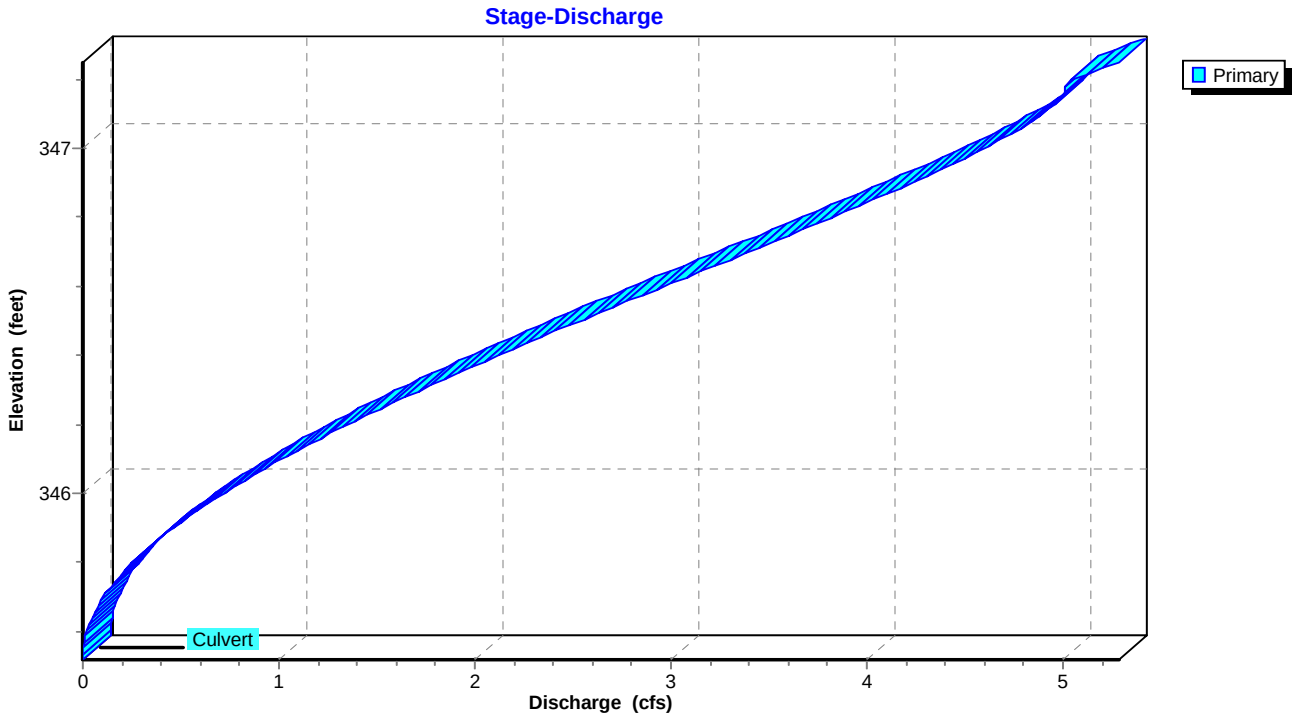
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

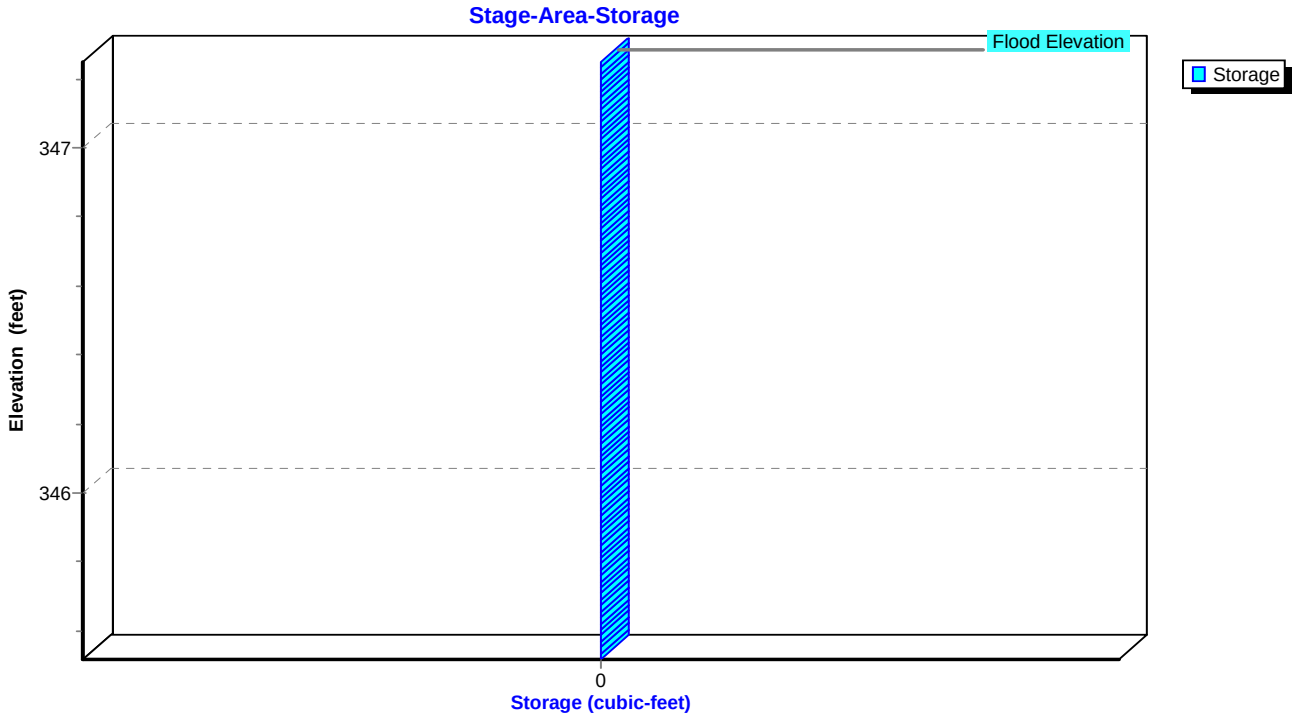
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

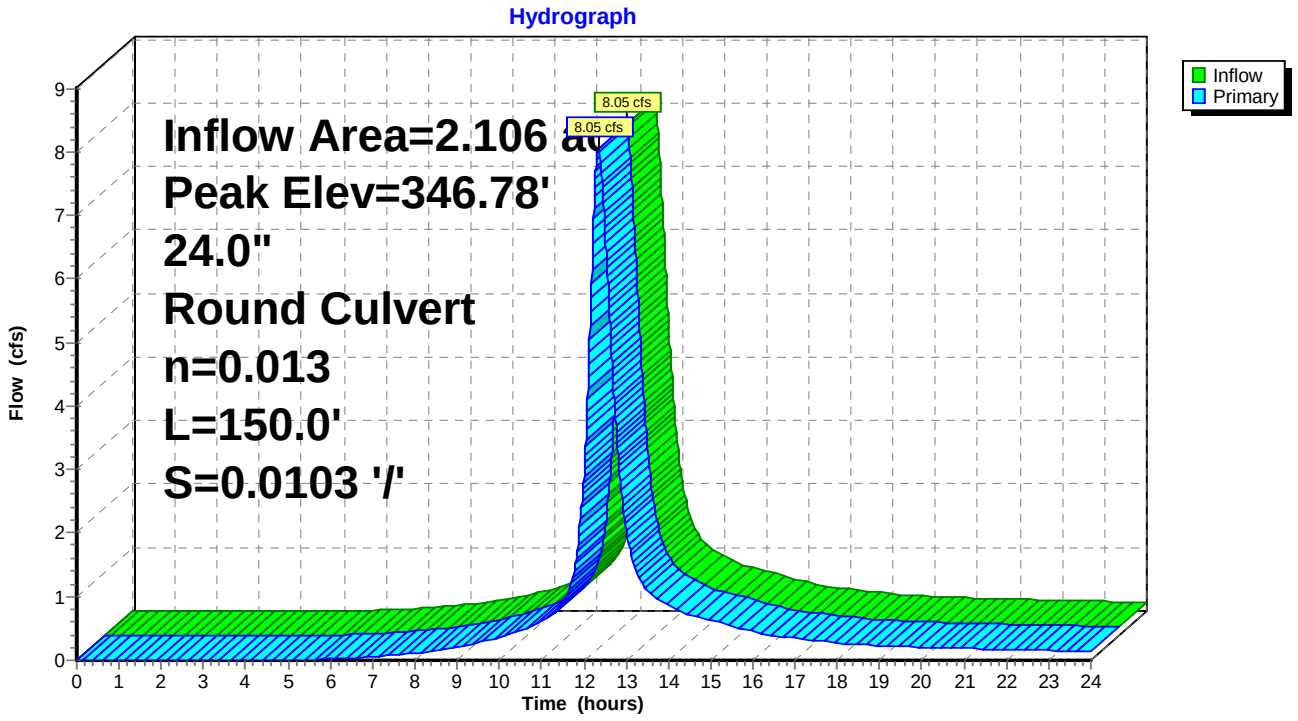
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.48" for 100-Year event
Inflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af
Outflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af, Atten= 0%, Lag= 0.0 min
Primary = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.78' @ 12.32 hrs
Flood Elev= 348.80'

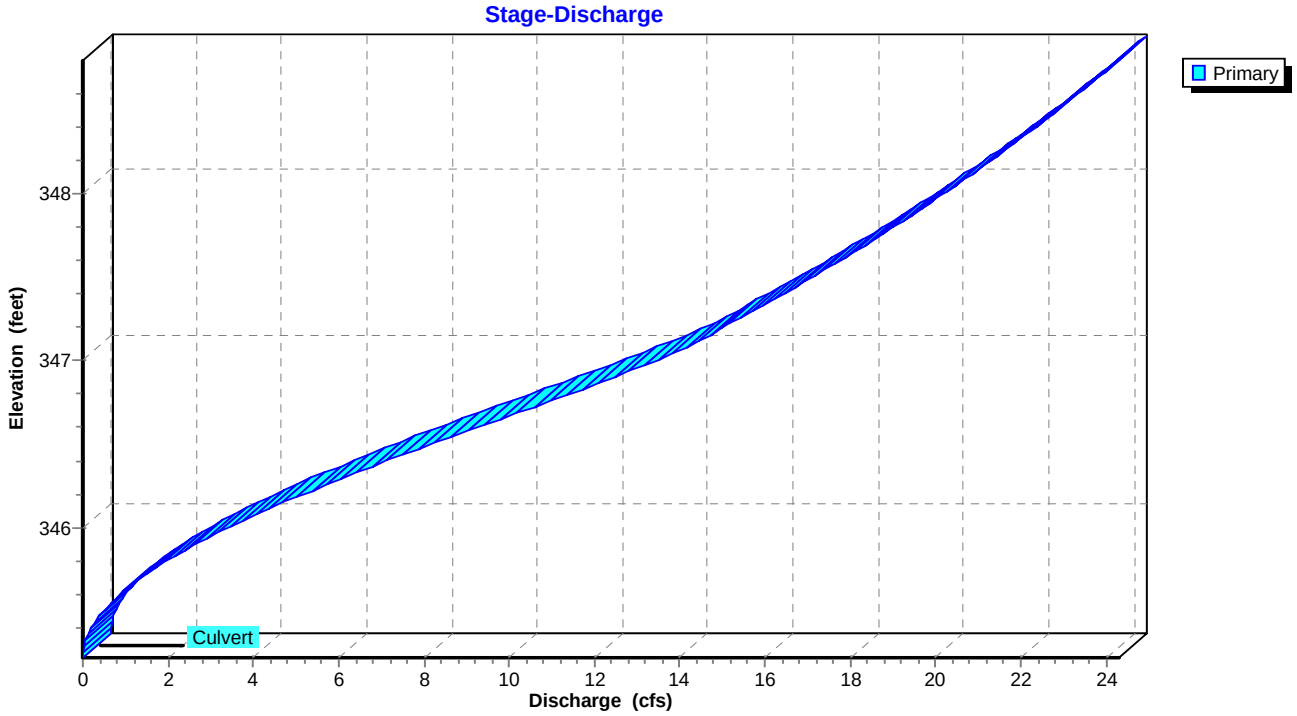
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=8.18 cfs @ 12.34 hrs HW=346.76' TW=345.84' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 8.18 cfs @ 4.34 fps)

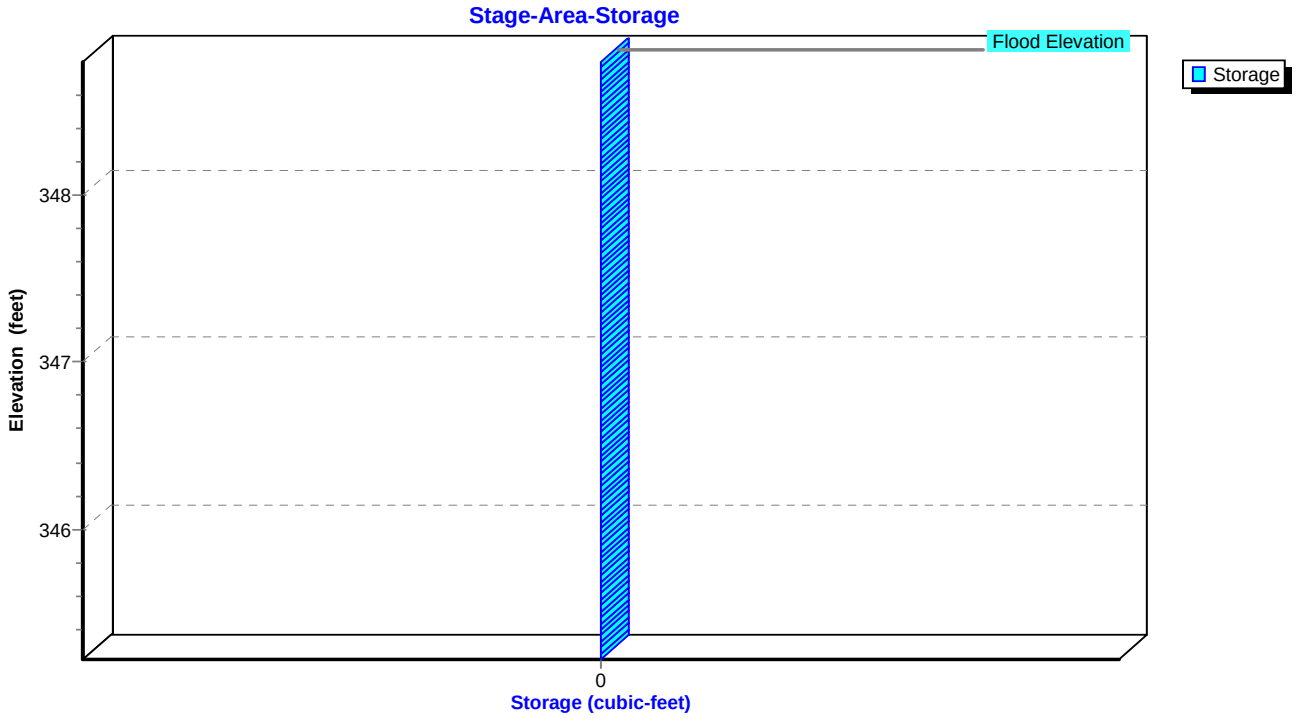
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.01	345.26	0.01
6.00	0.02	345.28	0.02
6.50	0.03	345.30	0.03
7.00	0.05	345.32	0.05
7.50	0.08	345.33	0.08
8.00	0.11	345.35	0.11
8.50	0.15	345.37	0.15
9.00	0.21	345.40	0.21
9.50	0.28	345.43	0.28
10.00	0.36	345.46	0.36
10.50	0.47	345.50	0.47
11.00	0.62	345.54	0.62
11.50	0.91	345.61	0.91
12.00	**2.90**	**345.95**	**2.90**
12.50	**6.82**	**346.47**	**6.82**
13.00	2.08	345.82	2.08
13.50	1.10	345.65	1.10
14.00	0.87	345.60	0.87
14.50	0.72	345.56	0.72
15.00	0.63	345.54	0.63
15.50	0.54	345.52	0.54
16.00	0.46	345.49	0.46
16.50	0.39	345.47	0.39
17.00	0.34	345.46	0.34
17.50	0.31	345.44	0.31
18.00	0.27	345.43	0.27
18.50	0.24	345.42	0.24
19.00	0.23	345.41	0.23
19.50	0.22	345.41	0.22
20.00	0.20	345.40	0.20
20.50	0.19	345.40	0.19
21.00	0.19	345.39	0.19
21.50	0.18	345.39	0.18
22.00	0.17	345.38	0.17
22.50	0.16	345.38	0.16
23.00	0.15	345.38	0.15
23.50	0.14	345.37	0.14
24.00	0.14	345.37	0.14

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

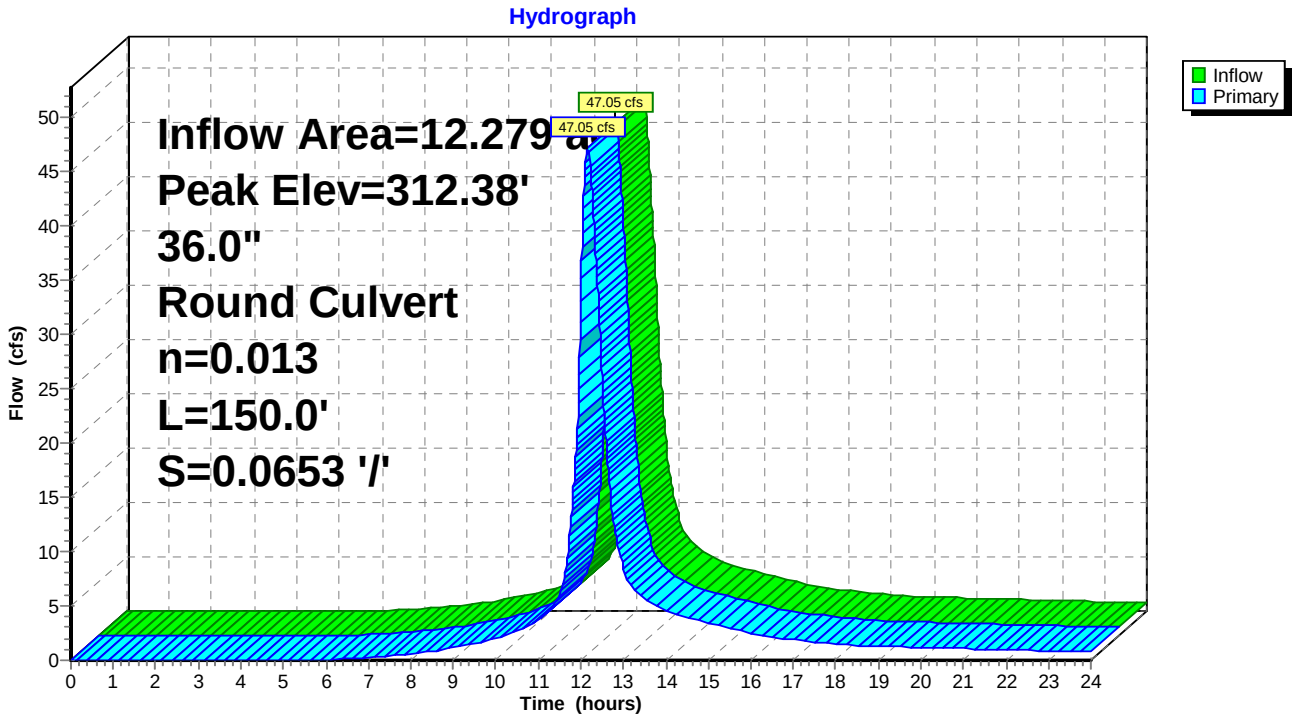
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 5.25" for 100-Year event
Inflow = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af
Outflow = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af, Atten= 0%, Lag= 0.0 min
Primary = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.38' @ 12.16 hrs
Flood Elev= 313.50'

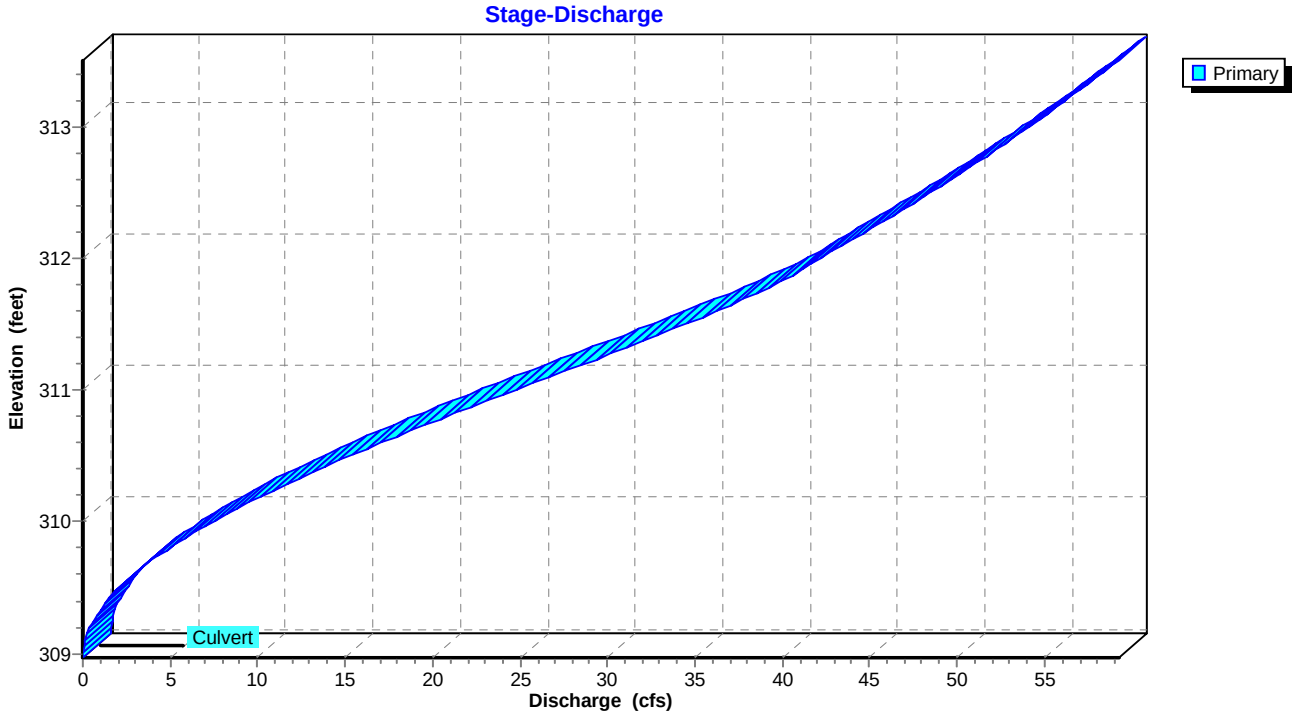
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=47.04 cfs @ 12.16 hrs HW=312.38' TW=302.96' (Dynamic Tailwater)
1=Culvert (Inlet Controls 47.04 cfs @ 6.65 fps)

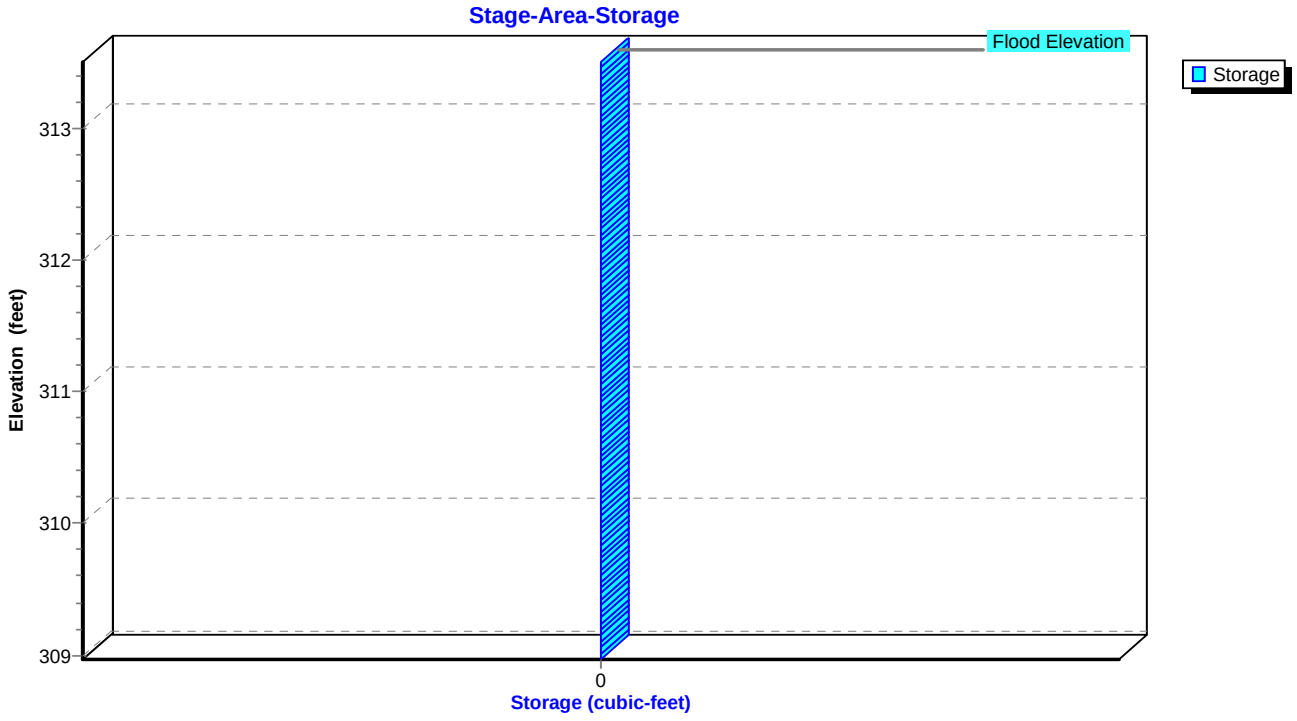
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.98	0.00
5.50	0.02	309.02	0.02
6.00	0.06	309.06	0.06
6.50	0.14	309.10	0.14
7.00	0.25	309.15	0.25
7.50	0.39	309.19	0.39
8.00	0.55	309.24	0.55
8.50	0.80	309.29	0.80
9.00	1.13	309.36	1.13
9.50	1.54	309.42	1.54
10.00	2.01	309.49	2.01
10.50	2.72	309.58	2.72
11.00	3.66	309.68	3.66
11.50	5.95	309.89	5.95
12.00	**33.11**	**311.43**	**33.11**
12.50	**26.16**	**311.07**	**26.16**
13.00	8.50	310.08	8.50
13.50	5.65	309.86	5.65
14.00	4.59	309.77	4.59
14.50	3.90	309.70	3.90
15.00	3.41	309.65	3.41
15.50	2.93	309.60	2.93
16.00	2.44	309.54	2.44
16.50	2.12	309.50	2.12
17.00	1.90	309.47	1.90
17.50	1.69	309.44	1.69
18.00	1.47	309.41	1.47
18.50	1.35	309.39	1.35
19.00	1.28	309.38	1.28
19.50	1.22	309.37	1.22
20.00	1.15	309.36	1.15
20.50	1.10	309.35	1.10
21.00	1.05	309.34	1.05
21.50	1.00	309.33	1.00
22.00	0.95	309.32	0.95
22.50	0.91	309.32	0.91
23.00	0.86	309.31	0.86
23.50	0.81	309.30	0.81
24.00	0.76	309.29	0.76

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

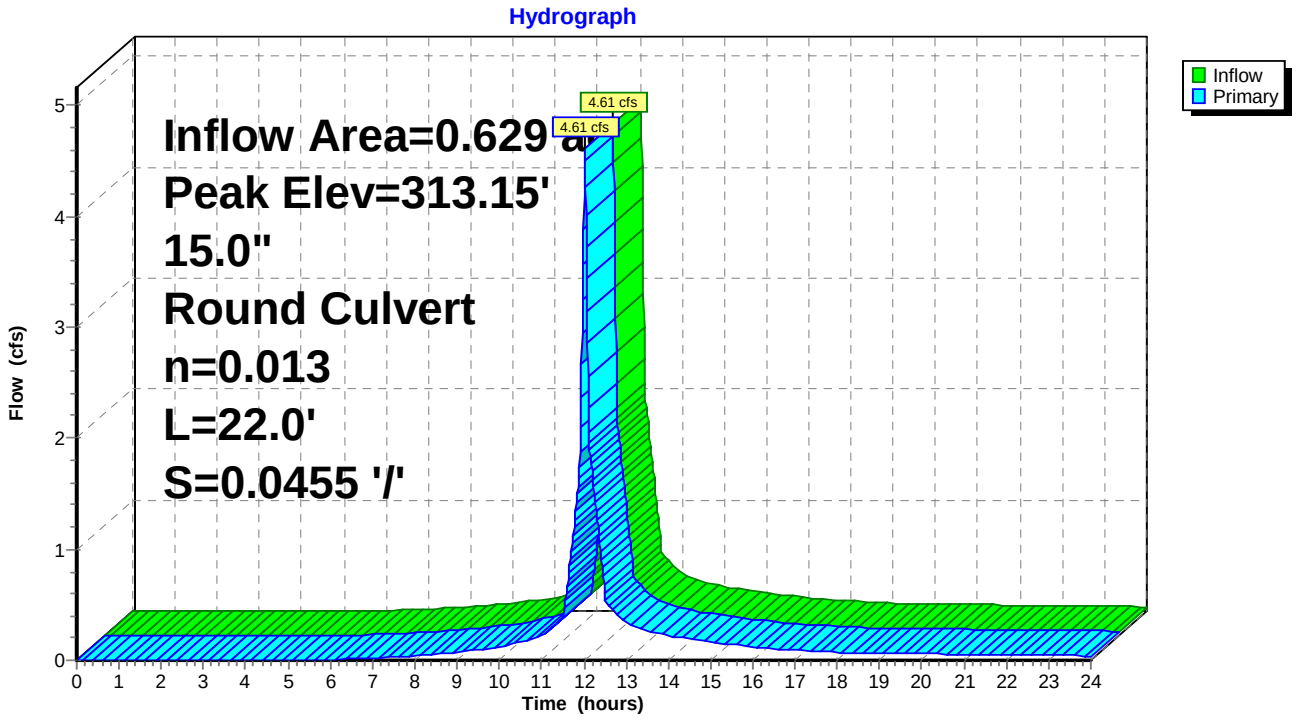
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 5.39" for 100-Year event
Inflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af
Outflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af, Atten= 0%, Lag= 0.0 min
Primary = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.15' @ 12.02 hrs
Flood Elev= 314.50'

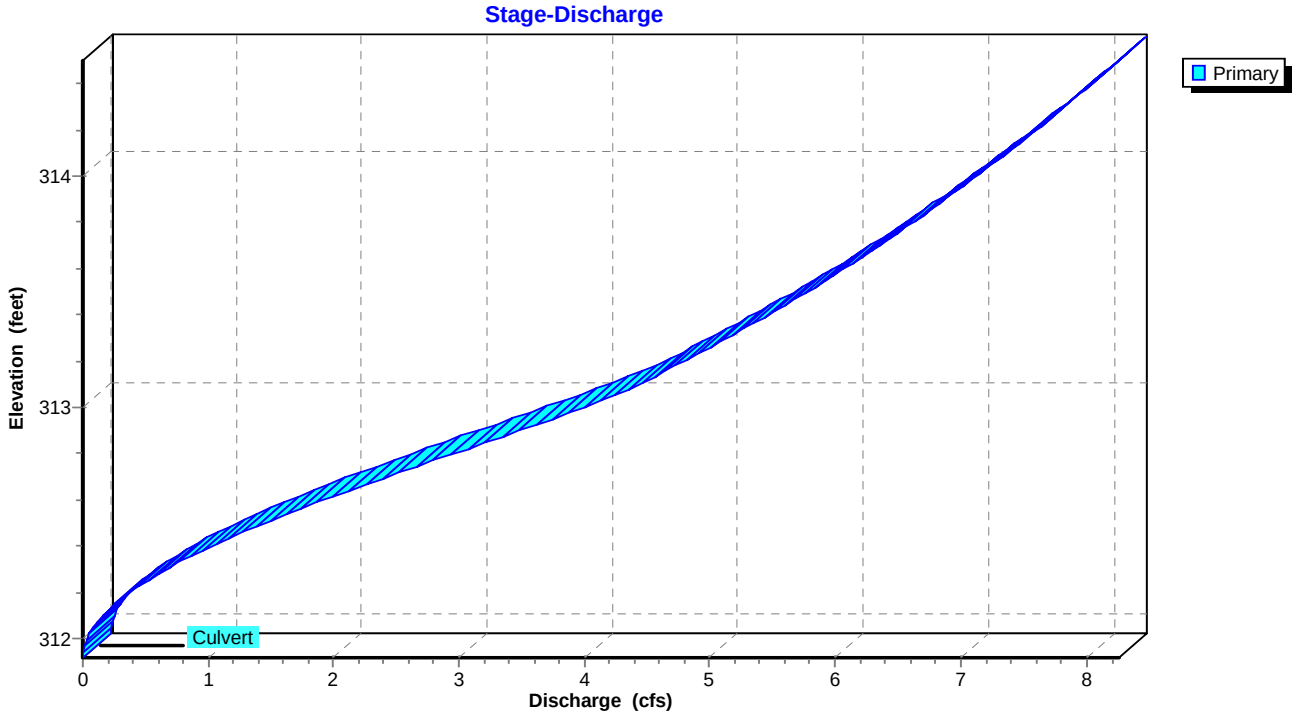
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.61 cfs @ 12.02 hrs HW=313.15' TW=311.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.61 cfs @ 3.77 fps)

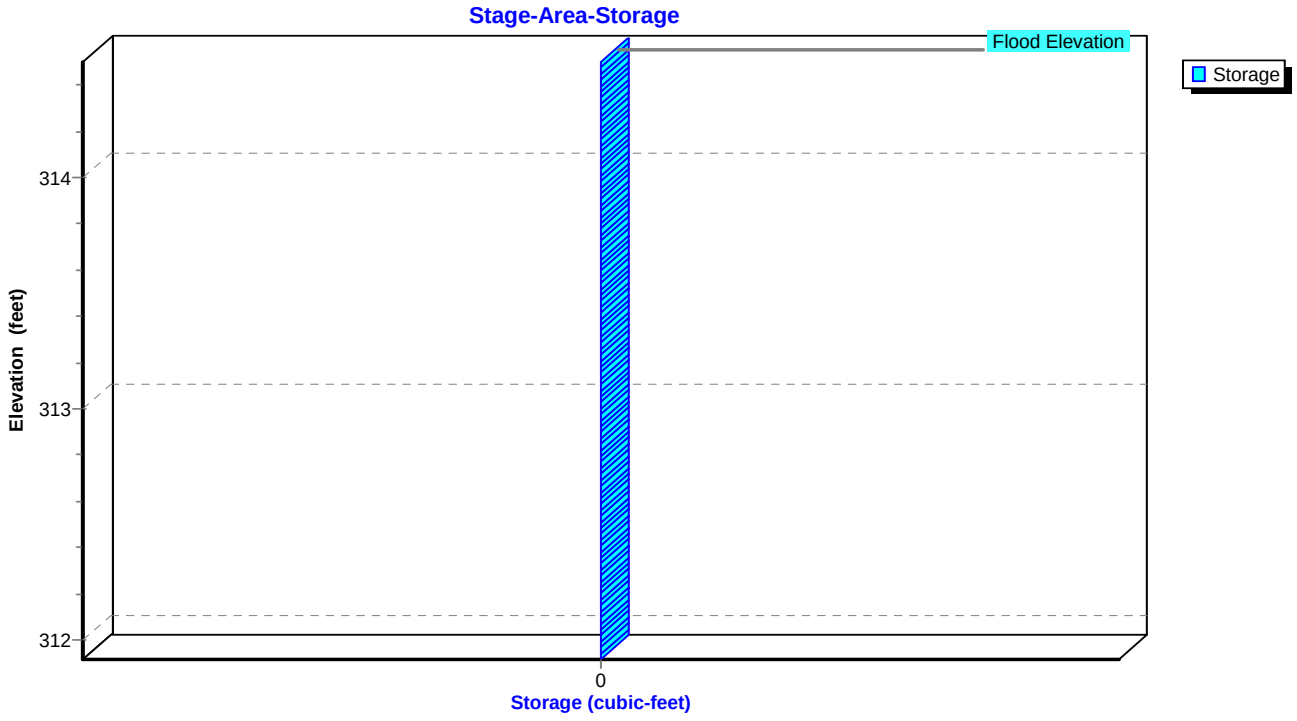
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.94	0.00
6.00	0.01	311.96	0.01
6.50	0.01	311.97	0.01
7.00	0.02	311.98	0.02
7.50	0.03	311.99	0.03
8.00	0.04	312.00	0.04
8.50	0.05	312.02	0.05
9.00	0.07	312.04	0.07
9.50	0.09	312.06	0.09
10.00	0.12	312.08	0.12
10.50	0.17	312.11	0.17
11.00	0.22	312.13	0.22
11.50	0.39	312.21	0.39
12.00	**4.19**	**313.04**	**4.19**
12.50	**0.59**	**312.28**	**0.59**
13.00	0.32	312.18	0.32
13.50	0.27	312.16	0.27
14.00	0.22	312.13	0.22
14.50	0.19	312.12	0.19
15.00	0.17	312.11	0.17
15.50	0.14	312.09	0.14
16.00	0.12	312.07	0.12
16.50	0.10	312.07	0.10
17.00	0.09	312.06	0.09
17.50	0.08	312.05	0.08
18.00	0.07	312.04	0.07
18.50	0.07	312.04	0.07
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.06	312.03	0.06
20.50	0.06	312.03	0.06
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.05	312.02	0.05
22.50	0.05	312.02	0.05
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.01	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

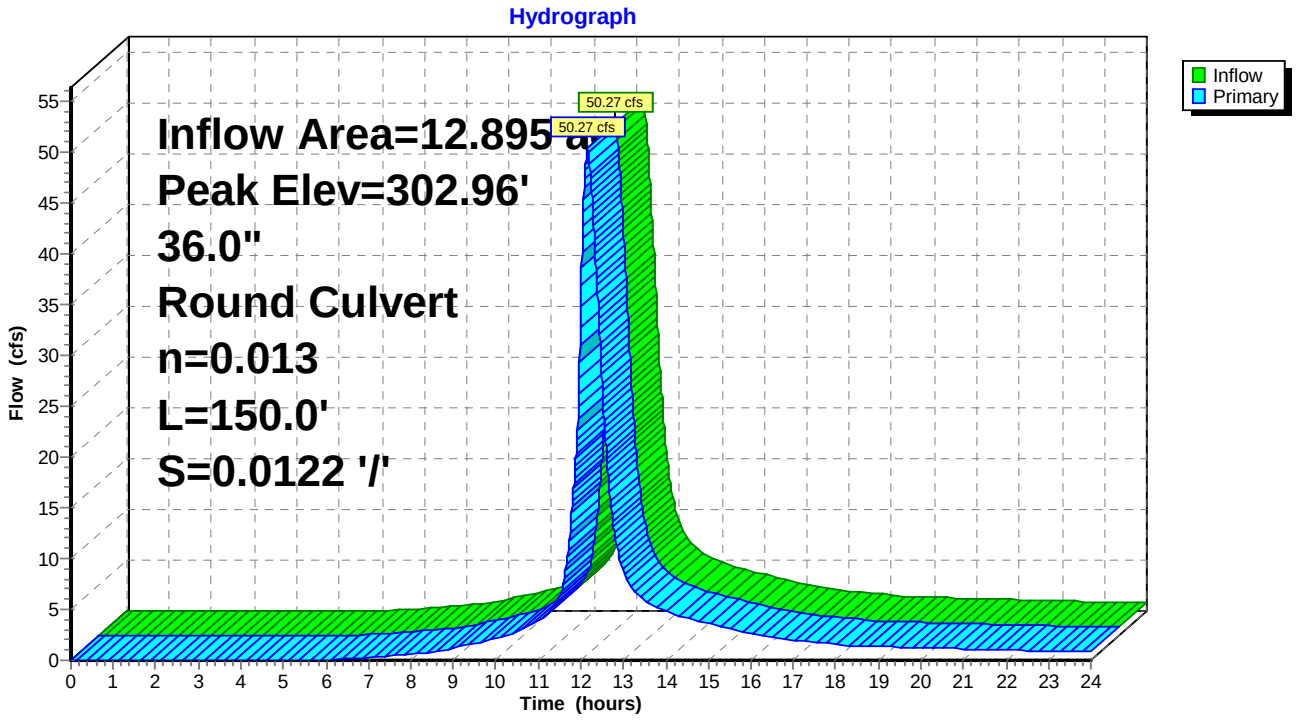
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 5.25" for 100-Year event
Inflow = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af
Outflow = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af, Atten= 0%, Lag= 0.0 min
Primary = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.96' @ 12.15 hrs
Flood Elev= 303.50'

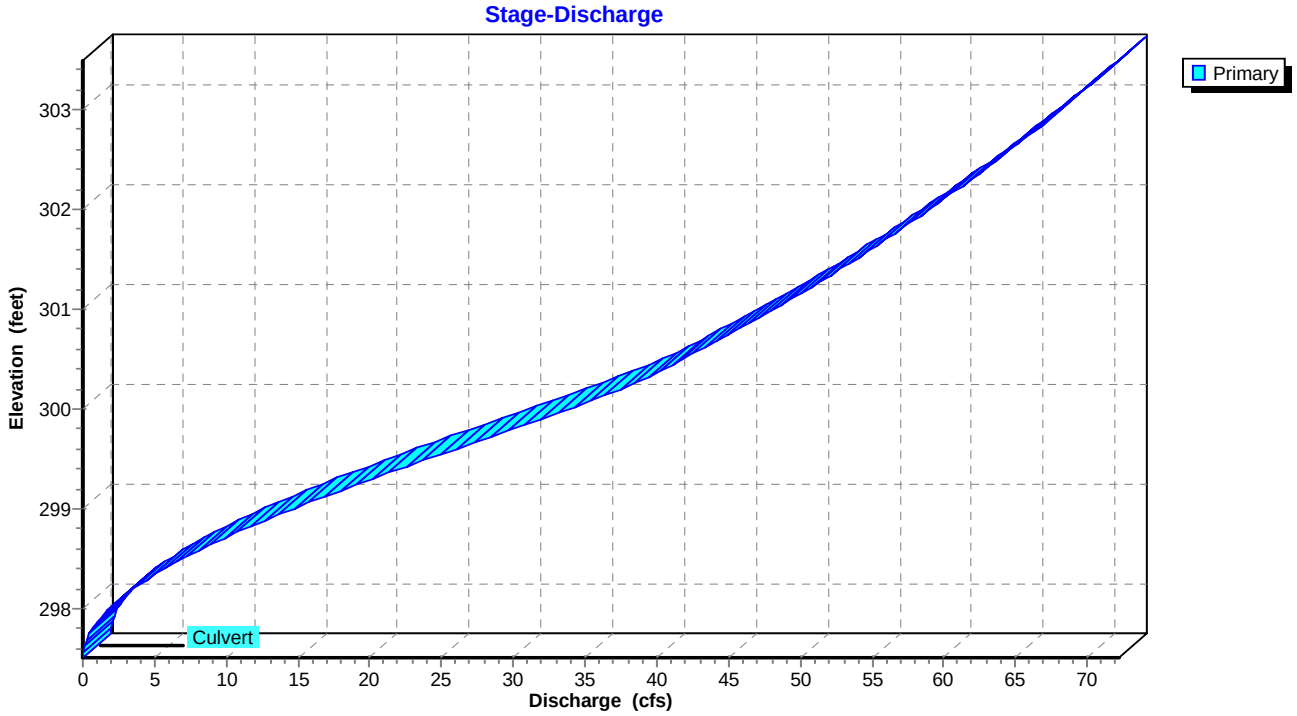
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 297.50' / 295.67' S= 0.0122 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=50.45 cfs @ 12.16 hrs HW=302.96' TW=300.76' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 50.45 cfs @ 7.14 fps)

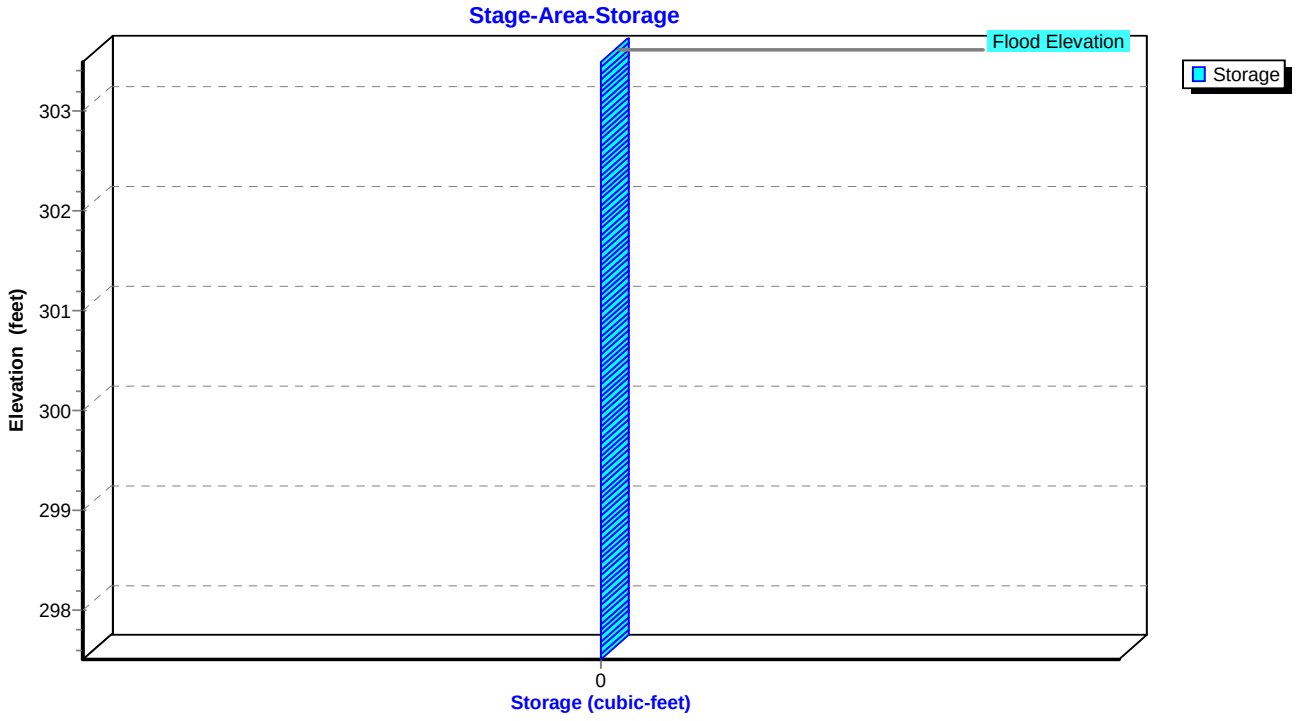
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.52	0.00
5.50	0.02	297.55	0.02
6.00	0.06	297.60	0.06
6.50	0.14	297.65	0.14
7.00	0.26	297.70	0.26
7.50	0.41	297.75	0.41
8.00	0.58	297.80	0.58
8.50	0.84	297.86	0.84
9.00	1.19	297.93	1.19
9.50	1.62	298.00	1.62
10.00	2.12	298.07	2.12
10.50	2.86	298.17	2.86
11.00	3.85	298.29	3.85
11.50	6.27	298.53	6.27
12.00	**34.75**	**300.48**	**34.75**
12.50	**27.22**	**300.03**	**27.22**
13.00	8.87	298.76	8.87
13.50	5.93	298.50	5.93
14.00	4.81	298.39	4.81
14.50	4.09	298.31	4.09
15.00	3.58	298.26	3.58
15.50	3.07	298.20	3.07
16.00	2.56	298.13	2.56
16.50	2.22	298.09	2.22
17.00	1.99	298.06	1.99
17.50	1.77	298.02	1.77
18.00	1.55	297.99	1.55
18.50	1.41	297.97	1.41
19.00	1.34	297.95	1.34
19.50	1.28	297.94	1.28
20.00	1.21	297.93	1.21
20.50	1.15	297.92	1.15
21.00	1.10	297.91	1.10
21.50	1.05	297.90	1.05
22.00	1.00	297.89	1.00
22.50	0.95	297.88	0.95
23.00	0.90	297.87	0.90
23.50	0.85	297.86	0.85
24.00	0.80	297.85	0.80

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	24.89	301.58	54.67
297.54	0.01	299.58	25.68	301.62	55.09
297.58	0.04	299.62	26.47	301.66	55.51
297.62	0.09	299.66	27.26	301.70	55.93
297.66	0.17	299.70	28.05	301.74	56.34
297.70	0.28	299.74	28.84	301.78	56.75
297.74	0.41	299.78	29.63	301.82	57.15
297.78	0.57	299.82	30.42	301.86	57.56
297.82	0.76	299.86	31.20	301.90	57.96
297.86	0.98	299.90	31.98	301.94	58.36
297.90	1.21	299.94	32.74	301.98	58.75
297.94	1.45	299.98	33.51	302.02	59.15
297.98	1.72	300.02	34.26	302.06	59.54
298.02	2.01	300.06	35.00	302.10	59.92
298.06	2.32	300.10	35.73	302.14	60.31
298.10	2.65	300.14	36.45	302.18	60.69
298.14	3.01	300.18	37.14	302.22	61.07
298.18	3.38	300.22	37.82	302.26	61.45
298.22	3.77	300.26	38.48	302.30	61.83
298.26	4.18	300.30	39.12	302.34	62.20
298.30	4.61	300.34	39.72	302.38	62.57
298.34	5.06	300.38	40.29	302.42	62.94
298.38	5.52	300.42	40.82	302.46	63.31
298.42	6.00	300.46	41.30	302.50	63.67
298.46	6.51	300.50	41.68	302.54	64.04
298.50	7.02	300.54	42.24	302.58	64.40
298.54	7.56	300.58	42.78	302.62	64.76
298.58	8.11	300.62	43.32	302.66	65.11
298.62	8.67	300.66	43.85	302.70	65.47
298.66	9.25	300.70	44.38	302.74	65.82
298.70	9.85	300.74	44.90	302.78	66.17
298.74	10.46	300.78	45.41	302.82	66.52
298.78	11.08	300.82	45.92	302.86	66.87
298.82	11.72	300.86	46.42	302.90	67.21
298.86	12.37	300.90	46.91	302.94	67.56
298.90	13.03	300.94	47.41	302.98	67.90
298.94	13.70	300.98	47.89	303.02	68.24
298.98	14.39	301.02	48.37	303.06	68.58
299.02	15.09	301.06	48.85	303.10	68.92
299.06	15.79	301.10	49.32	303.14	69.25
299.10	16.51	301.14	49.79	303.18	69.58
299.14	17.24	301.18	50.25	303.22	69.92
299.18	17.97	301.22	50.71	303.26	70.25
299.22	18.72	301.26	51.17	303.30	70.58
299.26	19.47	301.30	51.62	303.34	70.90
299.30	20.23	301.34	52.06	303.38	71.23
299.34	20.99	301.38	52.51	303.42	71.55
299.38	21.76	301.42	52.95	303.46	71.88
299.42	22.54	301.46	53.38	303.50	**72.20**
299.46	23.32	301.50	53.81		
299.50	24.10	301.54	54.24		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

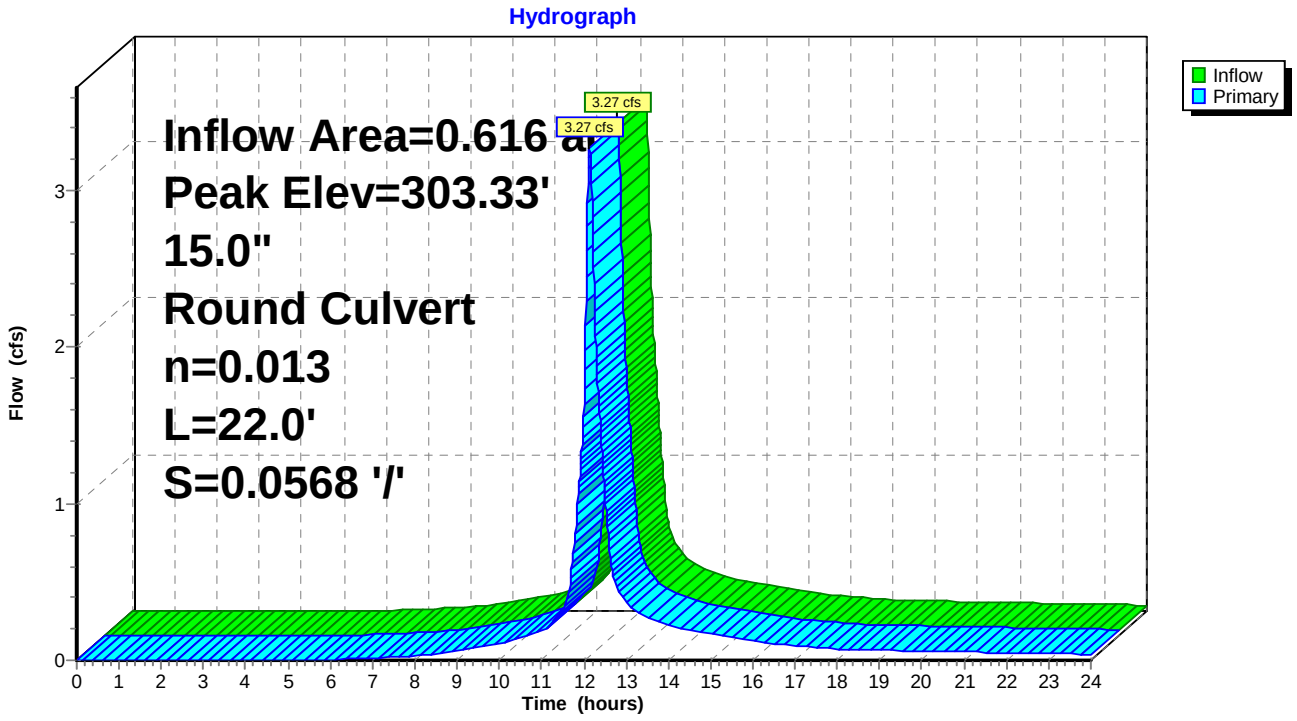
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 5.26" for 100-Year event
Inflow = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af
Outflow = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af, Atten= 0%, Lag= 0.0 min
Primary = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.33' @ 12.16 hrs
Flood Elev= 304.80'

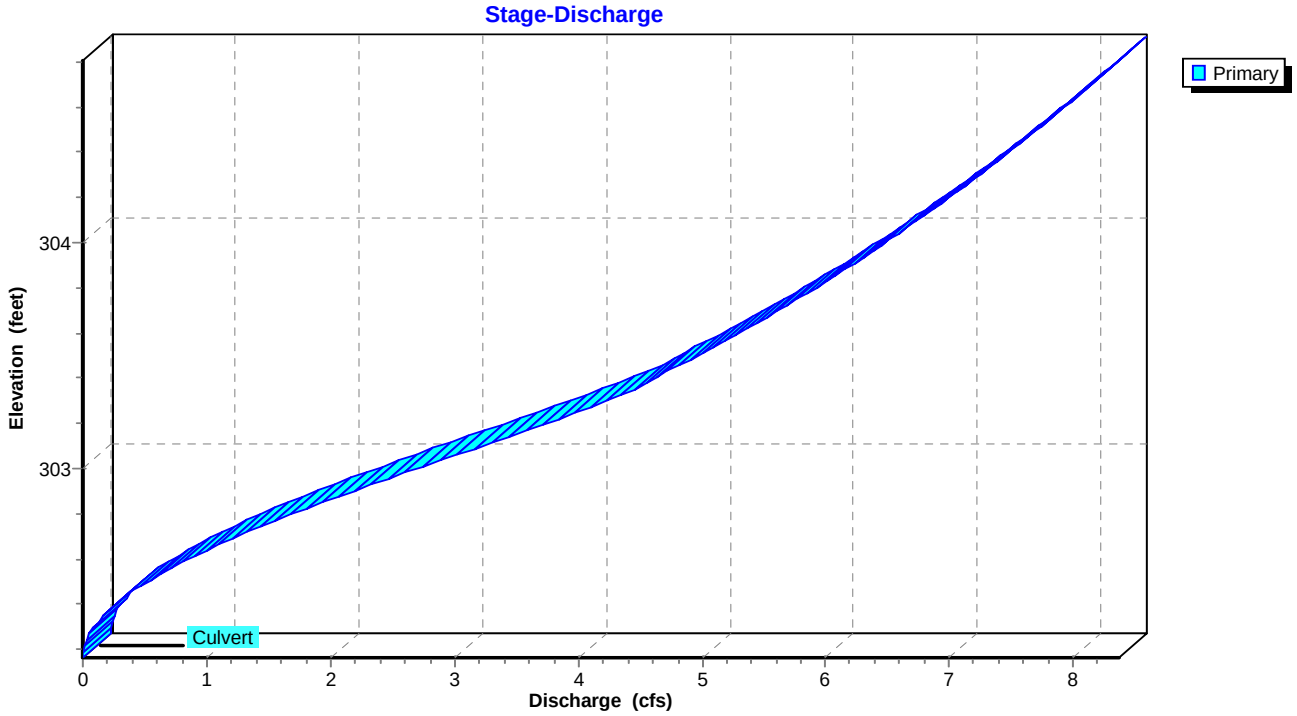
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.97 cfs @ 12.14 hrs HW=303.27' TW=302.91' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 2.97 cfs @ 3.46 fps)

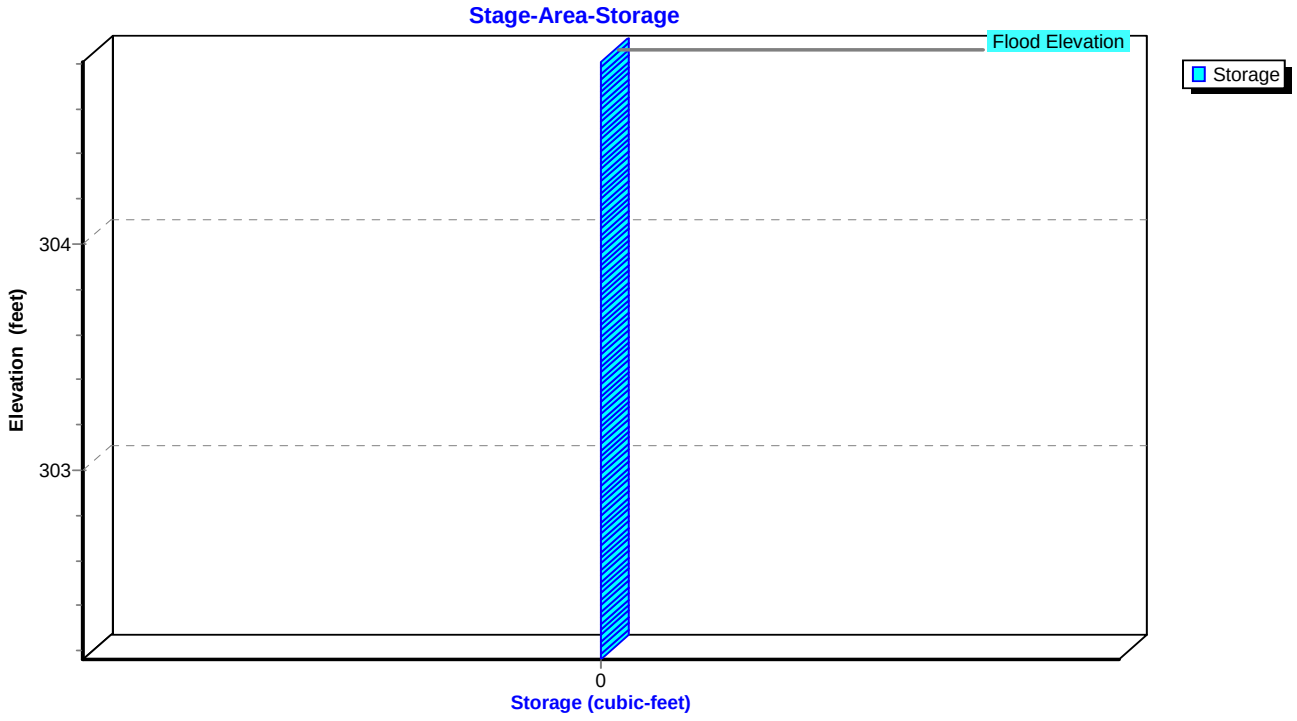
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.20	0.00
6.50	0.01	302.21	0.01
7.00	0.01	302.22	0.01
7.50	0.02	302.23	0.02
8.00	0.03	302.25	0.03
8.50	0.04	302.26	0.04
9.00	0.06	302.28	0.06
9.50	0.08	302.30	0.08
10.00	0.10	302.32	0.10
10.50	0.14	302.34	0.14
11.00	0.19	302.37	0.19
11.50	0.32	302.43	0.32
12.00	**1.64**	**302.79**	**1.64**
12.50	**1.07**	**302.66**	**1.07**
13.00	0.37	302.45	0.37
13.50	0.27	302.41	0.27
14.00	0.22	302.39	0.22
14.50	0.19	302.37	0.19
15.00	0.17	302.36	0.17
15.50	0.14	302.34	0.14
16.00	0.12	302.33	0.12
16.50	0.10	302.32	0.10
17.00	0.09	302.31	0.09
17.50	0.08	302.30	0.08
18.00	0.07	302.29	0.07
18.50	0.07	302.29	0.07
19.00	0.06	302.28	0.06
19.50	0.06	302.28	0.06
20.00	0.06	302.28	0.06
20.50	0.05	302.28	0.05
21.00	0.05	302.27	0.05
21.50	0.05	302.27	0.05
22.00	0.05	302.27	0.05
22.50	0.05	302.27	0.05
23.00	0.04	302.26	0.04
23.50	0.04	302.26	0.04
24.00	0.04	302.26	0.04

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB12: Catchbasin

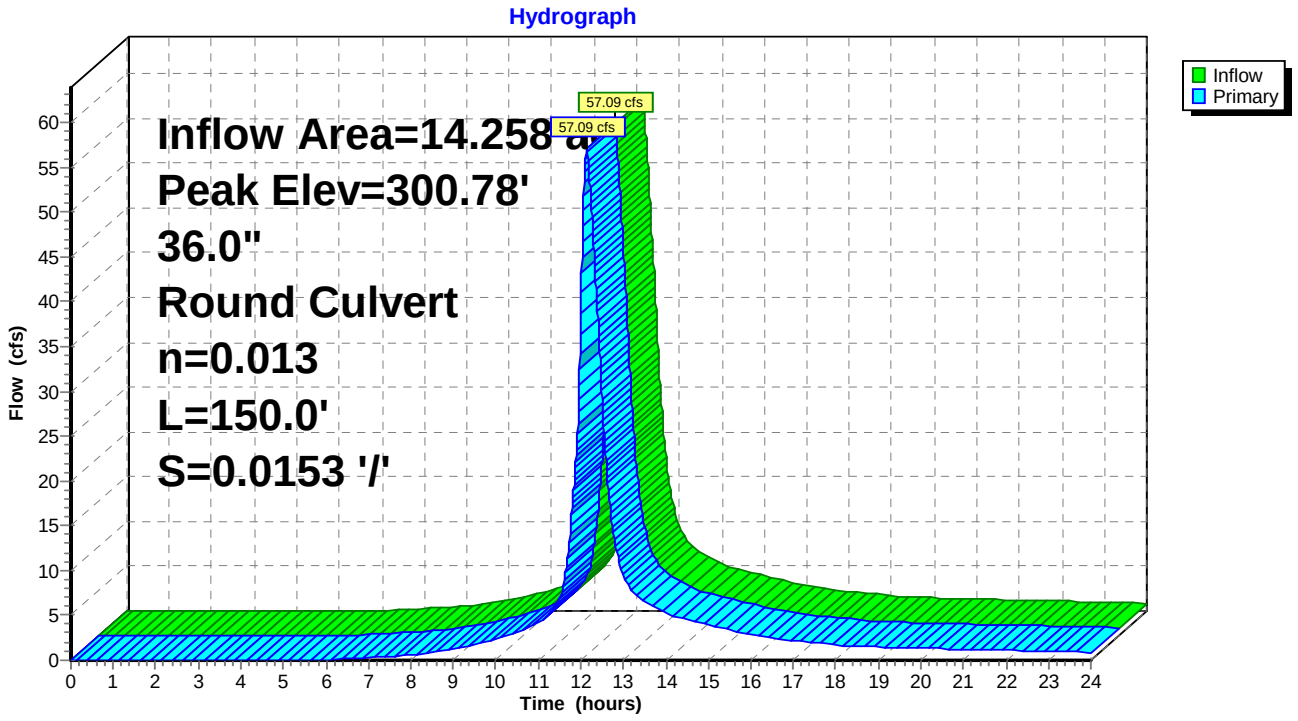
Inflow Area = 14.258 ac, 27.69% Impervious, Inflow Depth > 5.22" for 100-Year event
Inflow = 57.09 cfs @ 12.14 hrs, Volume= 6.202 af
Outflow = 57.09 cfs @ 12.14 hrs, Volume= 6.202 af, Atten= 0%, Lag= 0.0 min
Primary = 57.09 cfs @ 12.14 hrs, Volume= 6.202 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.78' @ 12.14 hrs
Flood Elev= 301.00'

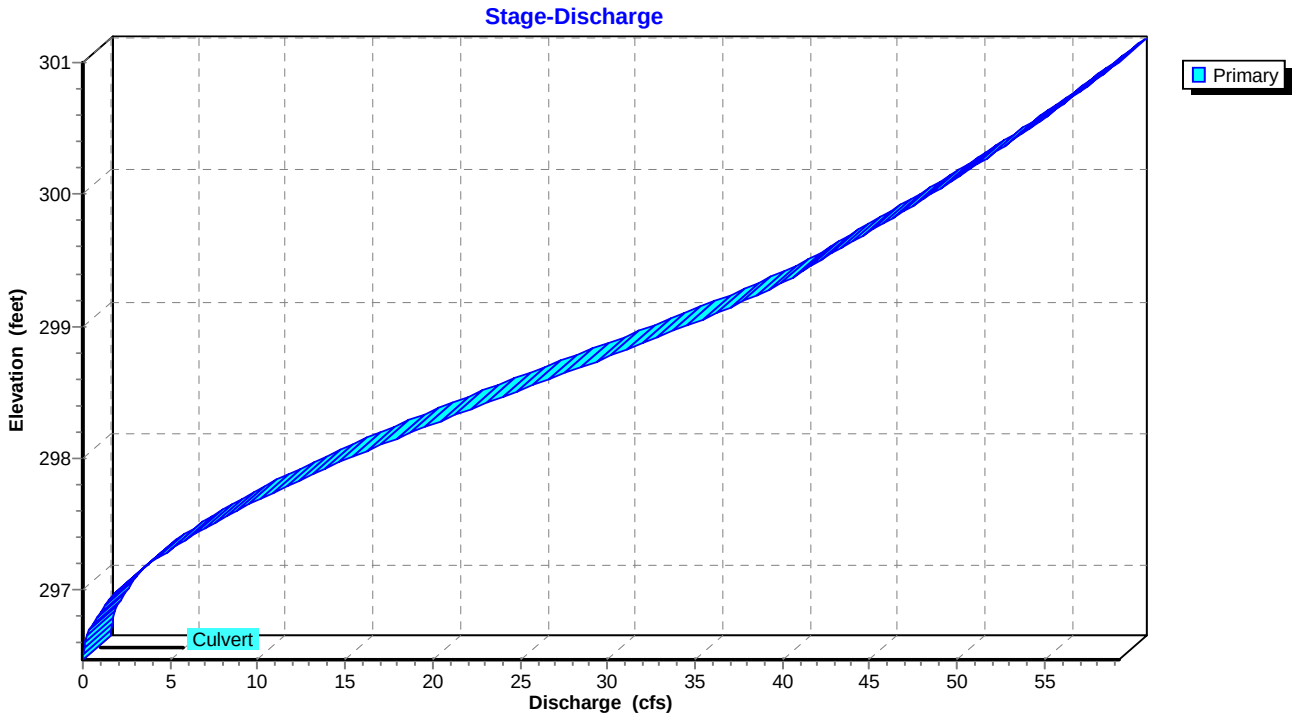
Device	Routing	Invert	Outlet Devices
#1	Primary	296.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 296.47' / 294.17' S= 0.0153 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=57.07 cfs @ 12.14 hrs HW=300.78' TW=297.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 57.07 cfs @ 8.07 fps)

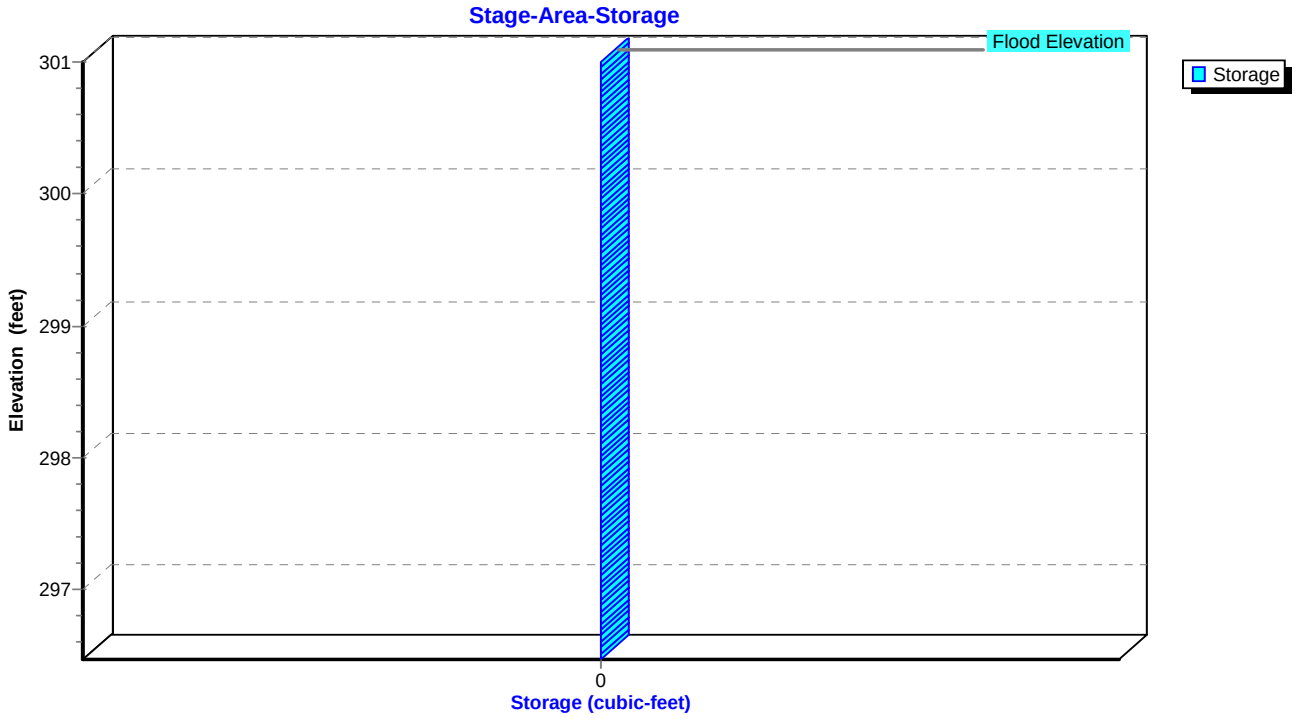
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Hydrograph for Pond CB12: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.47	0.00
0.50	0.00	296.47	0.00
1.00	0.00	296.47	0.00
1.50	0.00	296.47	0.00
2.00	0.00	296.47	0.00
2.50	0.00	296.47	0.00
3.00	0.00	296.47	0.00
3.50	0.00	296.47	0.00
4.00	0.00	296.47	0.00
4.50	0.00	296.47	0.00
5.00	0.00	296.48	0.00
5.50	0.02	296.52	0.02
6.00	0.06	296.56	0.06
6.50	0.15	296.61	0.15
7.00	0.28	296.66	0.28
7.50	0.43	296.71	0.43
8.00	0.62	296.76	0.62
8.50	0.91	296.82	0.91
9.00	1.30	296.89	1.30
9.50	1.77	296.96	1.77
10.00	2.31	297.03	2.31
10.50	3.13	297.12	3.13
11.00	4.23	297.23	4.23
11.50	6.92	297.46	6.92
12.00	**38.63**	**299.24**	**38.63**
12.50	**29.22**	**298.73**	**29.22**
13.00	9.62	297.65	9.62
13.50	6.51	297.43	6.51
14.00	5.29	297.33	5.29
14.50	4.50	297.26	4.50
15.00	3.94	297.21	3.94
15.50	3.38	297.15	3.38
16.00	2.82	297.09	2.82
16.50	2.45	297.05	2.45
17.00	2.19	297.01	2.19
17.50	1.95	296.98	1.95
18.00	1.70	296.95	1.70
18.50	1.56	296.93	1.56
19.00	1.48	296.91	1.48
19.50	1.41	296.90	1.41
20.00	1.33	296.89	1.33
20.50	1.27	296.88	1.27
21.00	1.22	296.87	1.22
21.50	1.16	296.86	1.16
22.00	1.10	296.85	1.10
22.50	1.05	296.84	1.05
23.00	0.99	296.83	0.99
23.50	0.94	296.82	0.94
24.00	0.88	296.81	0.88

Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.47	0.00	299.02	34.82
296.52	0.02	299.07	35.73
296.57	0.08	299.12	36.62
296.62	0.17	299.17	37.49
296.67	0.31	299.22	38.32
296.72	0.48	299.27	39.12
296.77	0.69	299.32	39.87
296.82	0.93	299.37	40.56
296.87	1.21	299.42	41.19
296.92	1.52	299.47	41.68
296.97	1.86	299.52	42.37
297.02	2.24	299.57	43.05
297.07	2.65	299.62	43.72
297.12	3.10	299.67	44.38
297.17	3.57	299.72	45.02
297.22	4.07	299.77	45.66
297.27	4.61	299.82	46.29
297.32	5.17	299.87	46.91
297.37	5.76	299.92	47.53
297.42	6.38	299.97	48.13
297.47	7.02	300.02	48.73
297.52	7.69	300.07	49.32
297.57	8.39	300.12	49.91
297.62	9.11	300.17	50.48
297.67	9.85	300.22	51.05
297.72	10.61	300.27	51.62
297.77	11.40	300.32	52.17
297.82	12.20	300.37	52.73
297.87	13.03	300.42	53.27
297.92	13.88	300.47	53.81
297.97	14.74	300.52	54.35
298.02	15.62	300.57	54.88
298.07	16.51	300.62	55.41
298.12	17.42	300.67	55.93
298.17	18.34	300.72	56.44
298.22	19.28	300.77	56.95
298.27	20.23	300.82	57.46
298.32	21.18	300.87	57.96
298.37	22.15	300.92	58.46
298.42	23.12	300.97	**58.95**
298.47	24.10		
298.52	25.09		
298.57	26.08		
298.62	27.07		
298.67	28.05		
298.72	29.04		
298.77	30.03		
298.82	31.00		
298.87	31.98		
298.92	32.94		
298.97	33.88		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.47	**0**	299.02	0
296.52	0	299.07	0
296.57	0	299.12	0
296.62	0	299.17	0
296.67	0	299.22	0
296.72	0	299.27	0
296.77	0	299.32	0
296.82	0	299.37	0
296.87	0	299.42	0
296.92	0	299.47	0
296.97	0	299.52	0
297.02	0	299.57	0
297.07	0	299.62	0
297.12	0	299.67	0
297.17	0	299.72	0
297.22	0	299.77	0
297.27	0	299.82	0
297.32	0	299.87	0
297.37	0	299.92	0
297.42	0	299.97	0
297.47	0	300.02	0
297.52	0	300.07	0
297.57	0	300.12	0
297.62	0	300.17	0
297.67	0	300.22	0
297.72	0	300.27	0
297.77	0	300.32	0
297.82	0	300.37	0
297.87	0	300.42	0
297.92	0	300.47	0
297.97	0	300.52	0
298.02	0	300.57	0
298.07	0	300.62	0
298.12	0	300.67	0
298.17	0	300.72	0
298.22	0	300.77	0
298.27	0	300.82	0
298.32	0	300.87	0
298.37	0	300.92	0
298.42	0	300.97	0
298.47	0		
298.52	0		
298.57	0		
298.62	0		
298.67	0		
298.72	0		
298.77	0		
298.82	0		
298.87	0		
298.92	0		
298.97	0		

Summary for Pond CB12-1: CB1-1

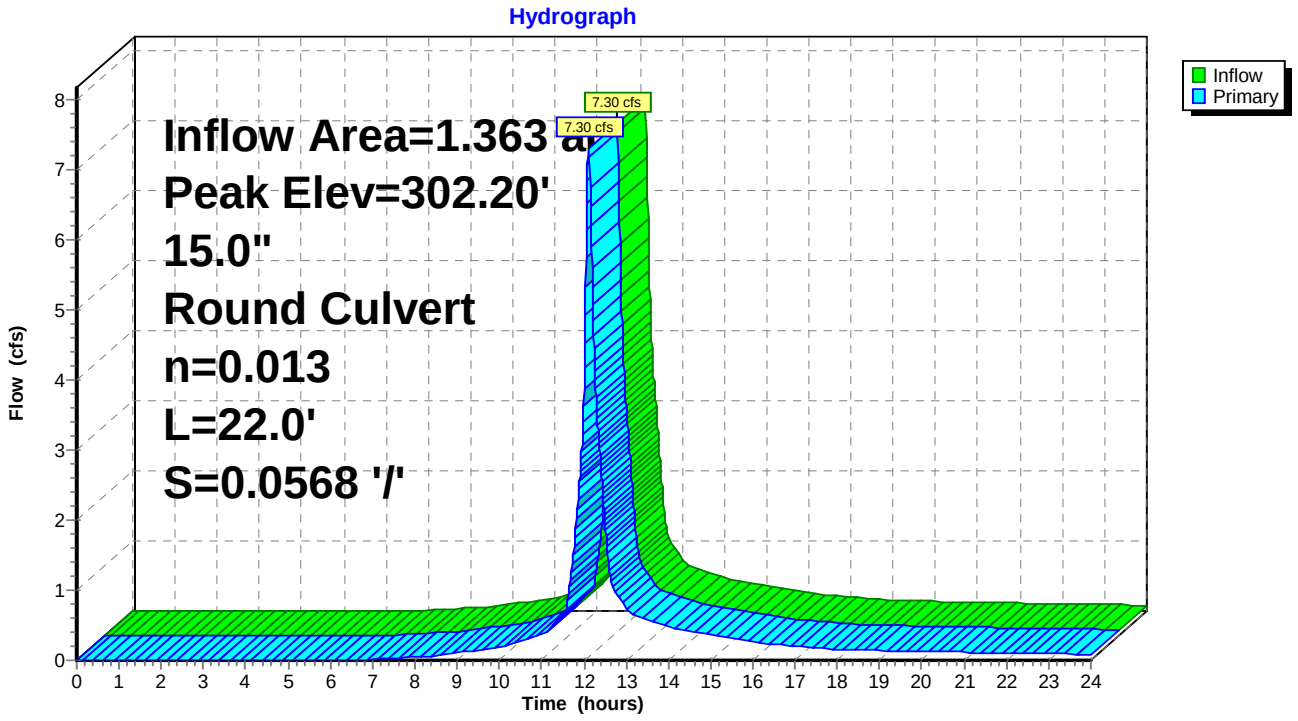
Inflow Area = 1.363 ac, 16.80% Impervious, Inflow Depth > 4.92" for 100-Year event
Inflow = 7.30 cfs @ 12.11 hrs, Volume= 0.559 af
Outflow = 7.30 cfs @ 12.11 hrs, Volume= 0.559 af, Atten= 0%, Lag= 0.0 min
Primary = 7.30 cfs @ 12.11 hrs, Volume= 0.559 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.20' @ 12.13 hrs
Flood Elev= 302.30'

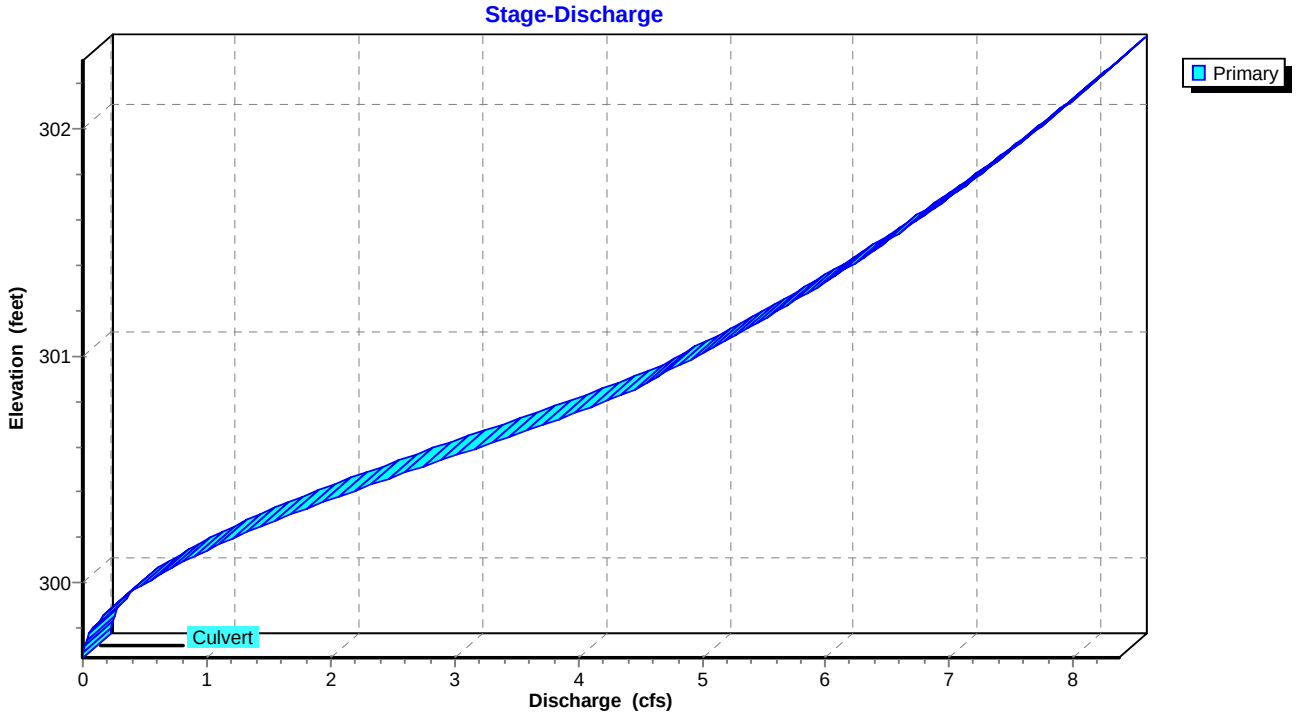
Device	Routing	Invert	Outlet Devices
#1	Primary	299.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 299.67' / 298.42' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=7.16 cfs @ 12.11 hrs HW=302.16' TW=300.69' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.16 cfs @ 5.83 fps)

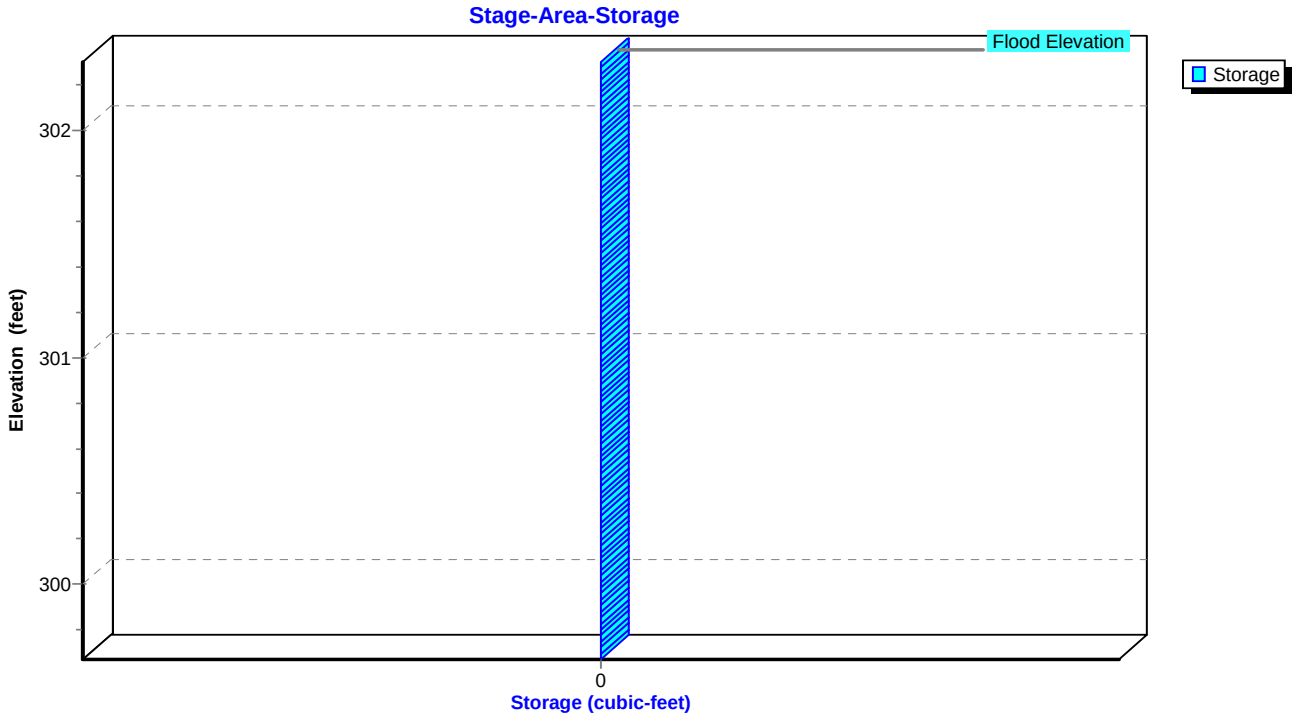
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.67	0.00
0.50	0.00	299.67	0.00
1.00	0.00	299.67	0.00
1.50	0.00	299.67	0.00
2.00	0.00	299.67	0.00
2.50	0.00	299.67	0.00
3.00	0.00	299.67	0.00
3.50	0.00	299.67	0.00
4.00	0.00	299.67	0.00
4.50	0.00	299.67	0.00
5.00	0.00	299.67	0.00
5.50	0.00	299.67	0.00
6.00	0.00	299.67	0.00
6.50	0.00	299.69	0.00
7.00	0.01	299.72	0.01
7.50	0.03	299.74	0.03
8.00	0.04	299.76	0.04
8.50	0.07	299.79	0.07
9.00	0.10	299.81	0.10
9.50	0.14	299.84	0.14
10.00	0.19	299.87	0.19
10.50	0.27	299.91	0.27
11.00	0.37	299.95	0.37
11.50	0.65	300.05	0.65
12.00	**3.88**	**300.73**	**3.88**
12.50	**2.00**	**300.37**	**2.00**
13.00	0.76	300.08	0.76
13.50	0.58	300.02	0.58
14.00	0.47	299.99	0.47
14.50	0.41	299.97	0.41
15.00	0.36	299.95	0.36
15.50	0.31	299.92	0.31
16.00	0.25	299.90	0.25
16.50	0.22	299.89	0.22
17.00	0.20	299.87	0.20
17.50	0.18	299.86	0.18
18.00	0.16	299.85	0.16
18.50	0.14	299.84	0.14
19.00	0.14	299.84	0.14
19.50	0.13	299.83	0.13
20.00	0.12	299.83	0.12
20.50	0.12	299.83	0.12
21.00	0.11	299.82	0.11
21.50	0.11	299.82	0.11
22.00	0.10	299.81	0.10
22.50	0.10	299.81	0.10
23.00	0.09	299.81	0.09
23.50	0.09	299.80	0.09
24.00	0.08	299.80	0.08

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.67	0.00	300.69	3.69	301.71	7.03
299.69	0.00	300.71	3.79	301.73	7.08
299.71	0.01	300.73	3.89	301.75	7.13
299.73	0.02	300.75	3.99	301.77	7.18
299.75	0.03	300.77	4.08	301.79	7.22
299.77	0.05	300.79	4.18	301.81	7.27
299.79	0.07	300.81	4.27	301.83	7.32
299.81	0.10	300.83	4.36	301.85	7.37
299.83	0.12	300.85	4.44	301.87	7.42
299.85	0.16	300.87	4.52	301.89	7.46
299.87	0.19	300.89	4.59	301.91	7.51
299.89	0.23	300.91	4.65	301.93	7.56
299.91	0.27	300.93	4.71	301.95	7.60
299.93	0.32	300.95	4.78	301.97	7.65
299.95	0.37	300.97	4.85	301.99	7.69
299.97	0.42	300.99	4.93	302.01	7.74
299.99	0.48	301.01	5.00	302.03	7.78
300.01	0.54	301.03	5.07	302.05	7.83
300.03	0.60	301.05	5.13	302.07	7.87
300.05	0.66	301.07	5.20	302.09	7.92
300.07	0.73	301.09	5.27	302.11	7.96
300.09	0.80	301.11	5.33	302.13	8.00
300.11	0.87	301.13	5.40	302.15	8.05
300.13	0.95	301.15	5.46	302.17	8.09
300.15	1.02	301.17	5.53	302.19	8.13
300.17	1.10	301.19	5.59	302.21	8.18
300.19	1.19	301.21	5.65	302.23	8.22
300.21	1.27	301.23	5.71	302.25	8.26
300.23	1.36	301.25	5.77	302.27	8.30
300.25	1.45	301.27	5.83	302.29	**8.35**
300.27	1.54	301.29	5.89		
300.29	1.63	301.31	5.95		
300.31	1.72	301.33	6.01		
300.33	1.82	301.35	6.07		
300.35	1.92	301.37	6.13		
300.37	2.01	301.39	6.18		
300.39	2.11	301.41	6.24		
300.41	2.22	301.43	6.30		
300.43	2.32	301.45	6.35		
300.45	2.42	301.47	6.41		
300.47	2.53	301.49	6.46		
300.49	2.63	301.51	6.51		
300.51	2.74	301.53	6.57		
300.53	2.84	301.55	6.62		
300.55	2.95	301.57	6.67		
300.57	3.06	301.59	6.72		
300.59	3.16	301.61	6.78		
300.61	3.27	301.63	6.83		
300.63	3.37	301.65	6.88		
300.65	3.48	301.67	6.93		
300.67	3.58	301.69	6.98		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.67	**0**	300.69	0	301.71	0
299.69	0	300.71	0	301.73	0
299.71	0	300.73	0	301.75	0
299.73	0	300.75	0	301.77	0
299.75	0	300.77	0	301.79	0
299.77	0	300.79	0	301.81	0
299.79	0	300.81	0	301.83	0
299.81	0	300.83	0	301.85	0
299.83	0	300.85	0	301.87	0
299.85	0	300.87	0	301.89	0
299.87	0	300.89	0	301.91	0
299.89	0	300.91	0	301.93	0
299.91	0	300.93	0	301.95	0
299.93	0	300.95	0	301.97	0
299.95	0	300.97	0	301.99	0
299.97	0	300.99	0	302.01	0
299.99	0	301.01	0	302.03	0
300.01	0	301.03	0	302.05	0
300.03	0	301.05	0	302.07	0
300.05	0	301.07	0	302.09	0
300.07	0	301.09	0	302.11	0
300.09	0	301.11	0	302.13	0
300.11	0	301.13	0	302.15	0
300.13	0	301.15	0	302.17	0
300.15	0	301.17	0	302.19	0
300.17	0	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0		
300.29	0	301.31	0		
300.31	0	301.33	0		
300.33	0	301.35	0		
300.35	0	301.37	0		
300.37	0	301.39	0		
300.39	0	301.41	0		
300.41	0	301.43	0		
300.43	0	301.45	0		
300.45	0	301.47	0		
300.47	0	301.49	0		
300.49	0	301.51	0		
300.51	0	301.53	0		
300.53	0	301.55	0		
300.55	0	301.57	0		
300.57	0	301.59	0		
300.59	0	301.61	0		
300.61	0	301.63	0		
300.63	0	301.65	0		
300.65	0	301.67	0		
300.67	0	301.69	0		

Summary for Pond CB13: Catchbasin

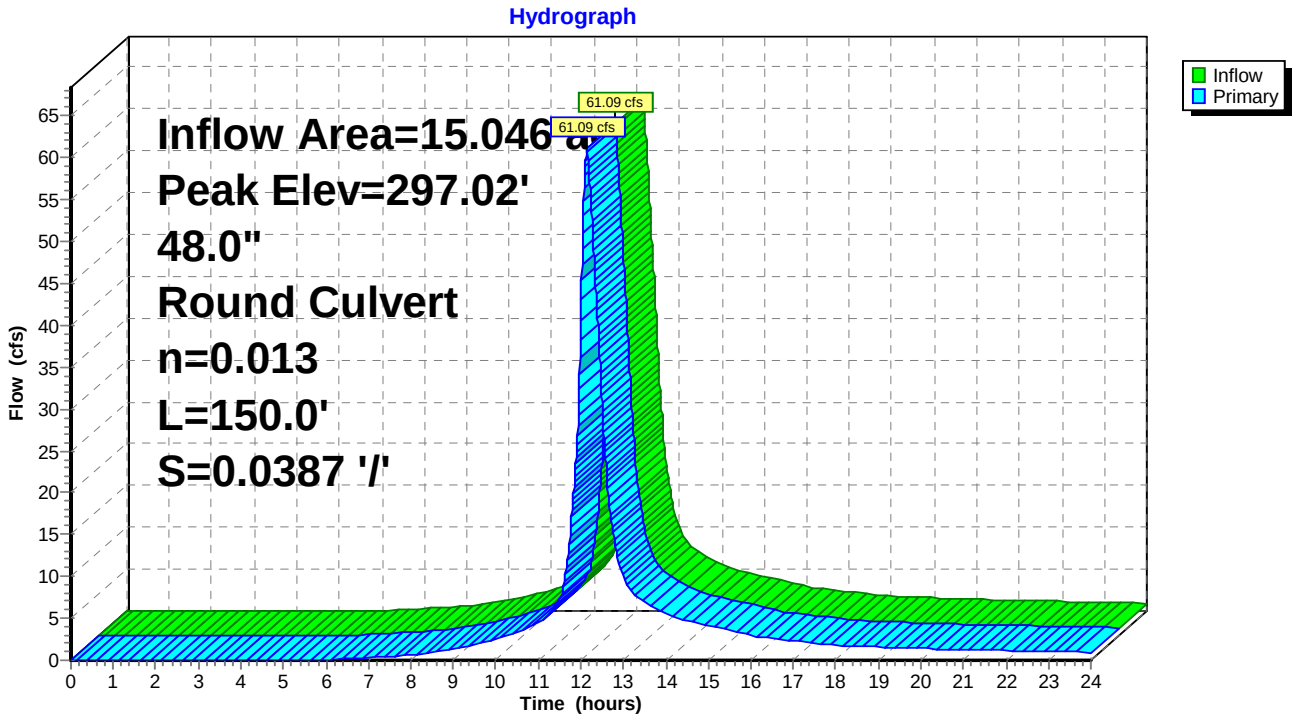
Inflow Area = 15.046 ac, 27.67% Impervious, Inflow Depth > 5.22" for 100-Year event
Inflow = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af
Outflow = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af, Atten= 0%, Lag= 0.0 min
Primary = 61.09 cfs @ 12.14 hrs, Volume= 6.547 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.02' @ 12.14 hrs
Flood Elev= 298.50'

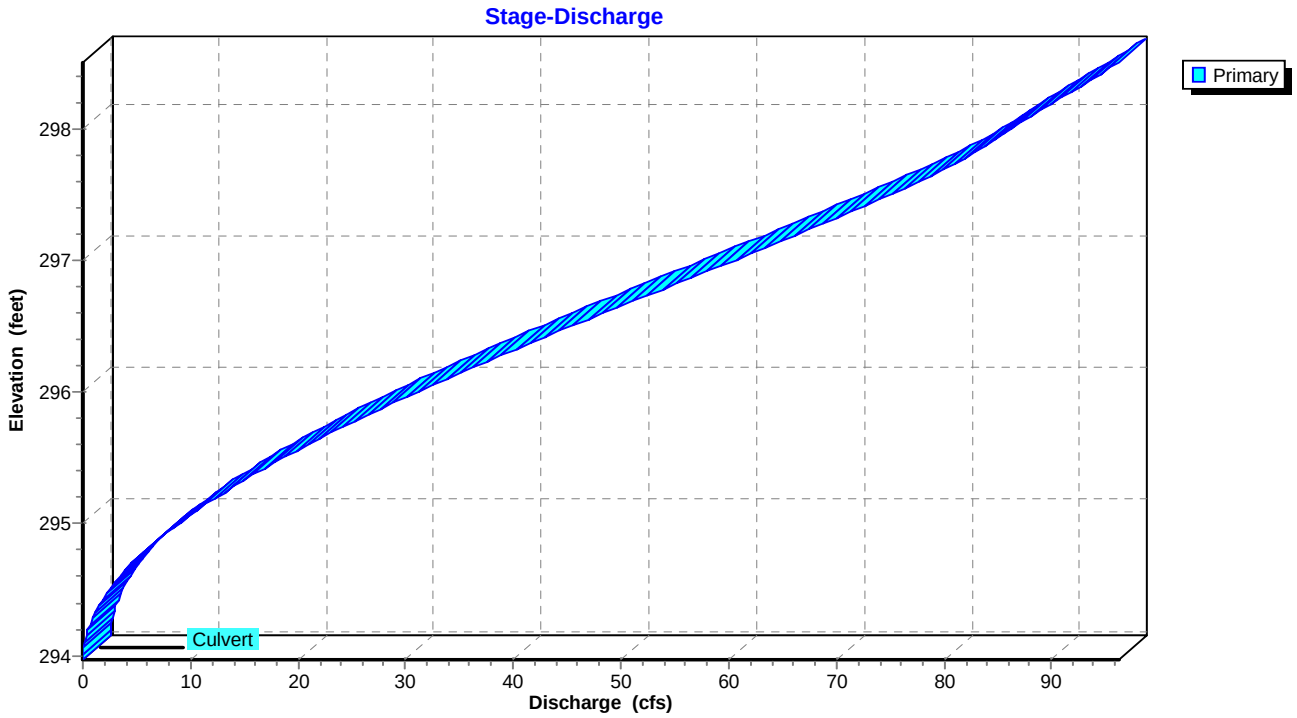
Device	Routing	Invert	Outlet Devices
#1	Primary	293.97'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.97' / 288.17' S= 0.0387 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=61.06 cfs @ 12.14 hrs HW=297.02' TW=289.97' (Dynamic Tailwater)
1=Culvert (Inlet Controls 61.06 cfs @ 5.94 fps)

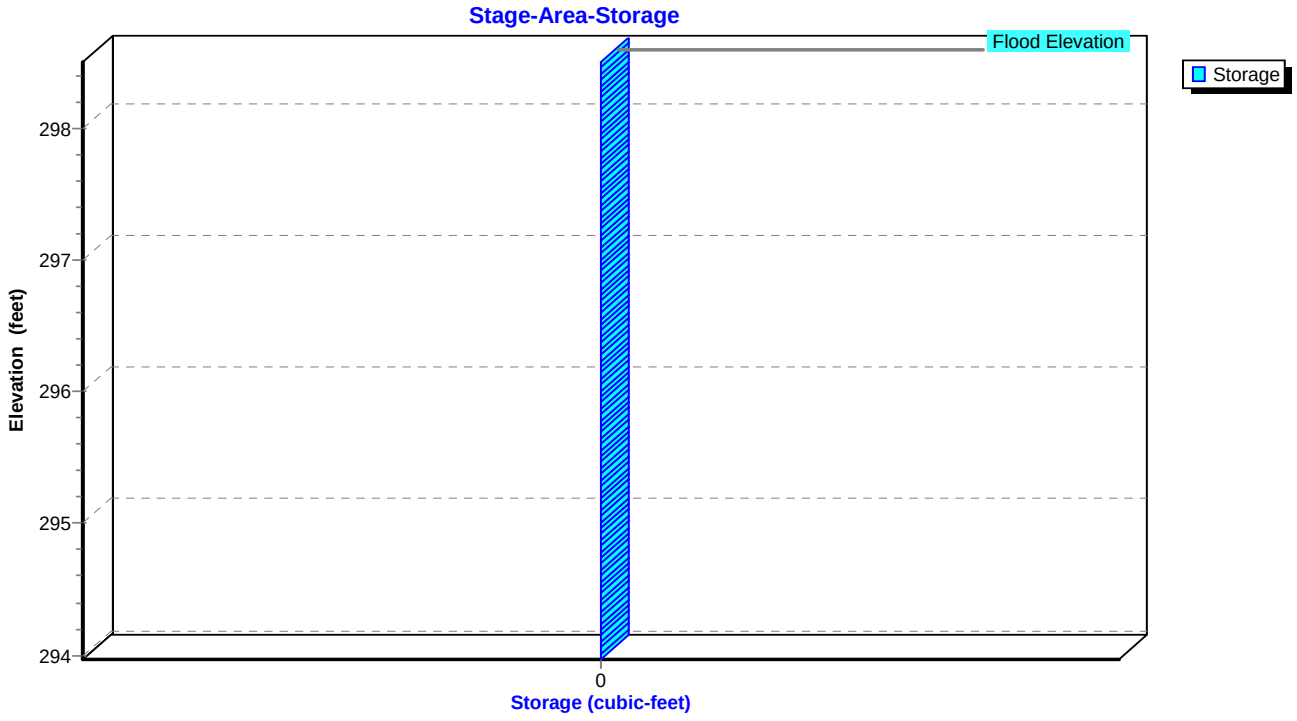
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.97	0.00
0.50	0.00	293.97	0.00
1.00	0.00	293.97	0.00
1.50	0.00	293.97	0.00
2.00	0.00	293.97	0.00
2.50	0.00	293.97	0.00
3.00	0.00	293.97	0.00
3.50	0.00	293.97	0.00
4.00	0.00	293.97	0.00
4.50	0.00	293.97	0.00
5.00	0.00	293.98	0.00
5.50	0.02	294.01	0.02
6.00	0.07	294.06	0.07
6.50	0.16	294.10	0.16
7.00	0.29	294.15	0.29
7.50	0.46	294.20	0.46
8.00	0.66	294.24	0.66
8.50	0.96	294.30	0.96
9.00	1.37	294.36	1.37
9.50	1.87	294.43	1.87
10.00	2.44	294.50	2.44
10.50	3.31	294.59	3.31
11.00	4.47	294.69	4.47
11.50	7.32	294.90	7.32
12.00	**40.58**	**296.34**	**40.58**
12.50	**30.69**	**295.99**	**30.69**
13.00	10.10	295.07	10.10
13.50	6.86	294.87	6.86
14.00	5.58	294.78	5.58
14.50	4.75	294.71	4.75
15.00	4.15	294.67	4.15
15.50	3.57	294.61	3.57
16.00	2.97	294.56	2.97
16.50	2.58	294.51	2.58
17.00	2.32	294.49	2.32
17.50	2.06	294.45	2.06
18.00	1.80	294.42	1.80
18.50	1.64	294.40	1.64
19.00	1.56	294.39	1.56
19.50	1.49	294.38	1.49
20.00	1.41	294.37	1.41
20.50	1.34	294.36	1.34
21.00	1.28	294.35	1.28
21.50	1.22	294.34	1.22
22.00	1.17	294.33	1.17
22.50	1.11	294.32	1.11
23.00	1.05	294.31	1.05
23.50	0.99	294.30	0.99
24.00	0.93	294.29	0.93

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.97	0.00	296.52	45.97
294.02	0.02	296.57	47.47
294.07	0.09	296.62	48.98
294.12	0.20	296.67	50.49
294.17	0.36	296.72	52.01
294.22	0.56	296.77	53.53
294.27	0.80	296.82	55.05
294.32	1.08	296.87	56.58
294.37	1.41	296.92	58.10
294.42	1.78	296.97	59.62
294.47	2.18	297.02	61.13
294.52	2.63	297.07	62.64
294.57	3.12	297.12	64.15
294.62	3.64	297.17	65.64
294.67	4.21	297.22	67.12
294.72	4.81	297.27	68.59
294.77	5.45	297.32	70.04
294.82	6.12	297.37	71.47
294.87	6.84	297.42	72.88
294.92	7.58	297.47	74.27
294.97	8.36	297.52	75.63
295.02	9.18	297.57	76.95
295.07	10.03	297.62	78.24
295.12	10.91	297.67	79.49
295.17	11.83	297.72	80.70
295.22	12.77	297.77	81.84
295.27	13.75	297.82	82.93
295.32	14.75	297.87	83.93
295.37	15.79	297.92	84.83
295.42	16.86	297.97	85.57
295.47	17.95	298.02	86.63
295.52	19.07	298.07	87.68
295.57	20.22	298.12	88.72
295.62	21.39	298.17	89.75
295.67	22.59	298.22	90.76
295.72	23.81	298.27	91.76
295.77	25.05	298.32	92.76
295.82	26.32	298.37	93.74
295.87	27.61	298.42	94.71
295.92	28.92	298.47	**95.67**
295.97	30.25		
296.02	31.60		
296.07	32.97		
296.12	34.36		
296.17	35.76		
296.22	37.18		
296.27	38.62		
296.32	40.06		
296.37	41.52		
296.42	43.00		
296.47	44.48		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.97	**0**	296.52	0
294.02	0	296.57	0
294.07	0	296.62	0
294.12	0	296.67	0
294.17	0	296.72	0
294.22	0	296.77	0
294.27	0	296.82	0
294.32	0	296.87	0
294.37	0	296.92	0
294.42	0	296.97	0
294.47	0	297.02	0
294.52	0	297.07	0
294.57	0	297.12	0
294.62	0	297.17	0
294.67	0	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0		
296.02	0		
296.07	0		
296.12	0		
296.17	0		
296.22	0		
296.27	0		
296.32	0		
296.37	0		
296.42	0		
296.47	0		

Summary for Pond CB13-1: CB1-1

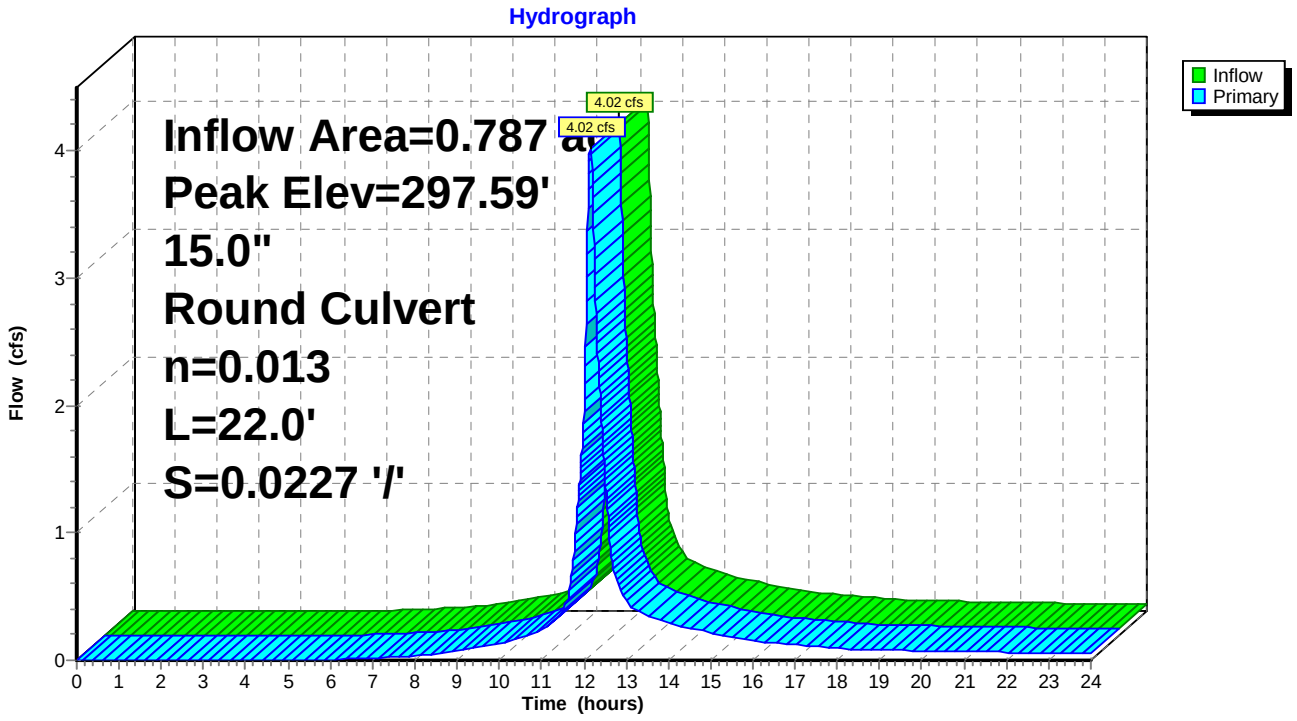
Inflow Area = 0.787 ac, 27.33% Impervious, Inflow Depth > 5.26" for 100-Year event
Inflow = 4.02 cfs @ 12.15 hrs, Volume= 0.345 af
Outflow = 4.02 cfs @ 12.15 hrs, Volume= 0.345 af, Atten= 0%, Lag= 0.0 min
Primary = 4.02 cfs @ 12.15 hrs, Volume= 0.345 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 297.59' @ 12.15 hrs
Flood Elev= 299.00'

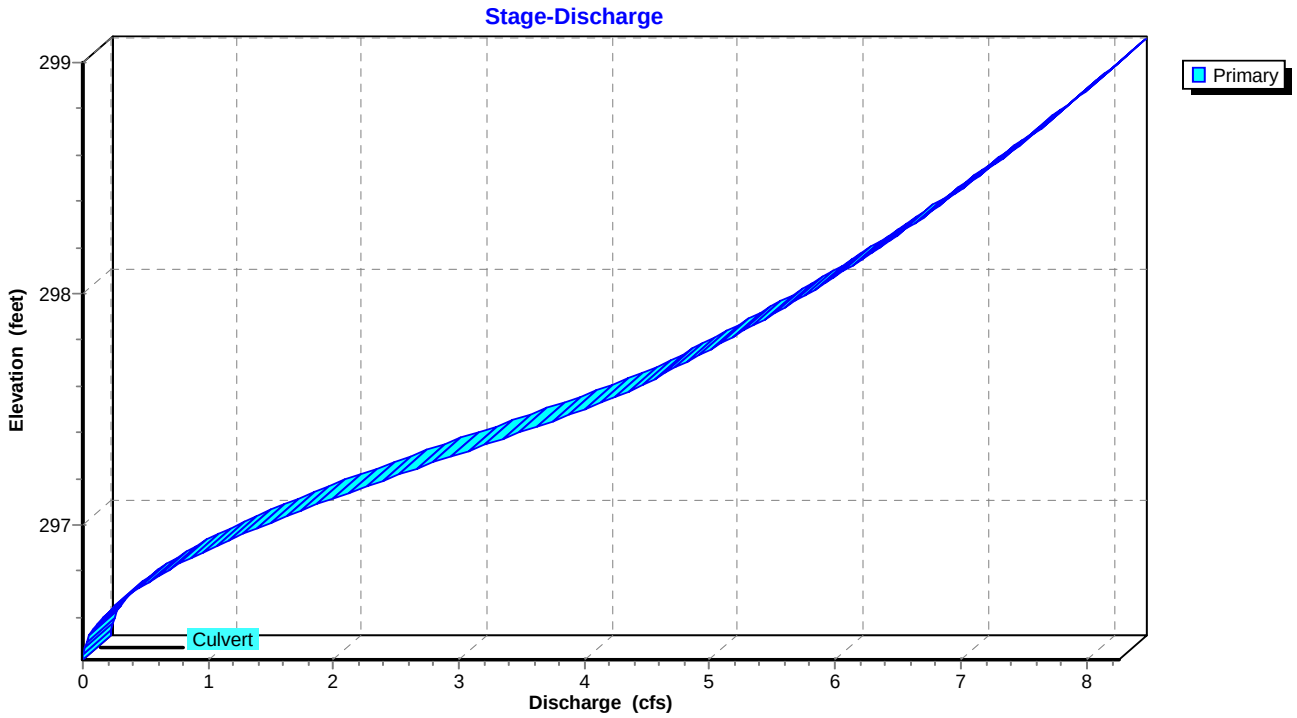
Device	Routing	Invert	Outlet Devices
#1	Primary	296.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 296.42' / 295.92' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.03 cfs @ 12.15 hrs HW=297.59' TW=297.01' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.03 cfs @ 4.39 fps)

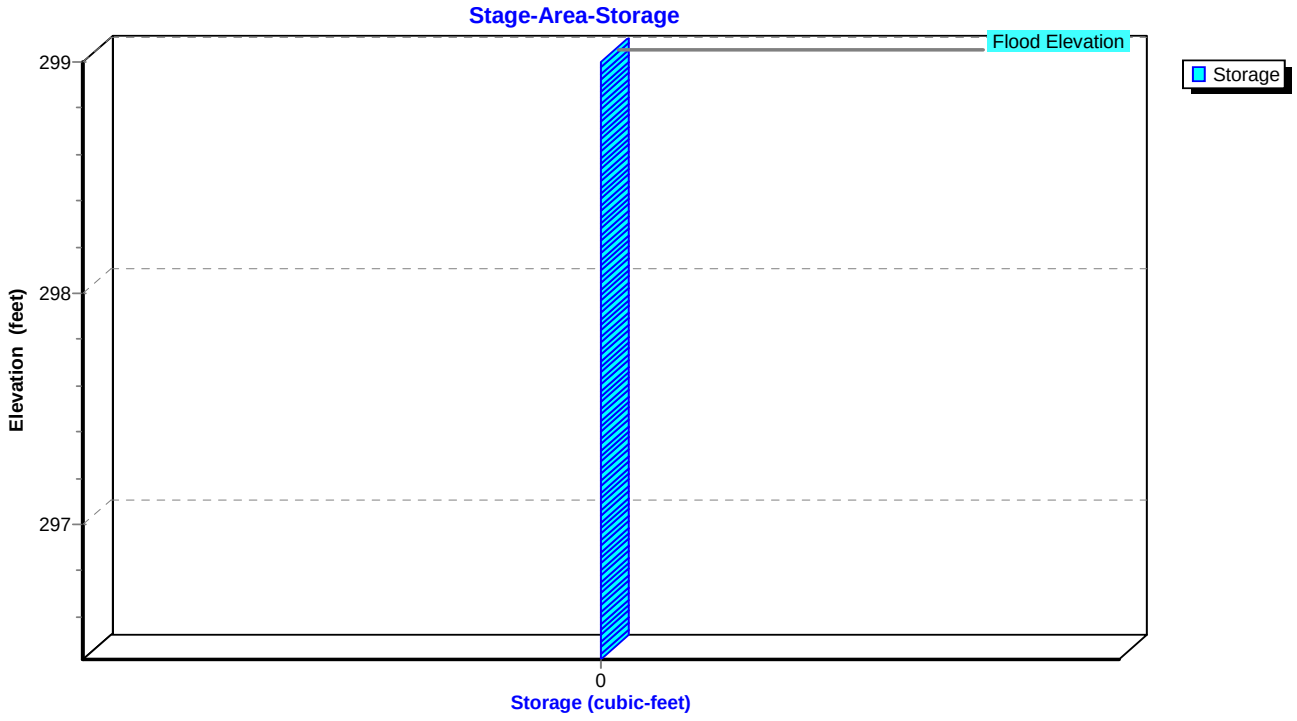
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	296.42	0.00
0.50	0.00	296.42	0.00
1.00	0.00	296.42	0.00
1.50	0.00	296.42	0.00
2.00	0.00	296.42	0.00
2.50	0.00	296.42	0.00
3.00	0.00	296.42	0.00
3.50	0.00	296.42	0.00
4.00	0.00	296.42	0.00
4.50	0.00	296.42	0.00
5.00	0.00	296.42	0.00
5.50	0.00	296.42	0.00
6.00	0.00	296.45	0.00
6.50	0.01	296.46	0.01
7.00	0.02	296.48	0.02
7.50	0.03	296.49	0.03
8.00	0.04	296.51	0.04
8.50	0.05	296.52	0.05
9.00	0.08	296.54	0.08
9.50	0.10	296.56	0.10
10.00	0.13	296.58	0.13
10.50	0.18	296.61	0.18
11.00	0.24	296.64	0.24
11.50	0.40	296.71	0.40
12.00	**1.95**	**297.11**	**1.95**
12.50	**1.47**	**297.00**	**1.47**
13.00	0.48	296.74	0.48
13.50	0.35	296.69	0.35
14.00	0.29	296.67	0.29
14.50	0.25	296.65	0.25
15.00	0.22	296.63	0.22
15.50	0.19	296.62	0.19
16.00	0.15	296.60	0.15
16.50	0.13	296.59	0.13
17.00	0.12	296.58	0.12
17.50	0.11	296.57	0.11
18.00	0.09	296.56	0.09
18.50	0.09	296.55	0.09
19.00	0.08	296.55	0.08
19.50	0.08	296.55	0.08
20.00	0.07	296.54	0.07
20.50	0.07	296.54	0.07
21.00	0.07	296.54	0.07
21.50	0.06	296.53	0.06
22.00	0.06	296.53	0.06
22.50	0.06	296.53	0.06
23.00	0.05	296.53	0.05
23.50	0.05	296.52	0.05
24.00	0.05	296.52	0.05

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
296.42	0.00	297.44	3.69	298.46	7.03
296.44	0.00	297.46	3.79	298.48	7.08
296.46	0.01	297.48	3.89	298.50	7.13
296.48	0.02	297.50	3.99	298.52	7.18
296.50	0.03	297.52	4.08	298.54	7.22
296.52	0.05	297.54	4.18	298.56	7.27
296.54	0.07	297.56	4.27	298.58	7.32
296.56	0.10	297.58	4.36	298.60	7.37
296.58	0.12	297.60	4.44	298.62	7.42
296.60	0.16	297.62	4.52	298.64	7.46
296.62	0.19	297.64	4.59	298.66	7.51
296.64	0.23	297.66	4.65	298.68	7.56
296.66	0.27	297.68	4.71	298.70	7.60
296.68	0.32	297.70	4.78	298.72	7.65
296.70	0.37	297.72	4.85	298.74	7.69
296.72	0.42	297.74	4.93	298.76	7.74
296.74	0.48	297.76	5.00	298.78	7.78
296.76	0.54	297.78	5.07	298.80	7.83
296.78	0.60	297.80	5.13	298.82	7.87
296.80	0.66	297.82	5.20	298.84	7.92
296.82	0.73	297.84	5.27	298.86	7.96
296.84	0.80	297.86	5.33	298.88	8.00
296.86	0.87	297.88	5.40	298.90	8.05
296.88	0.95	297.90	5.46	298.92	8.09
296.90	1.02	297.92	5.53	298.94	8.13
296.92	1.10	297.94	5.59	298.96	8.18
296.94	1.19	297.96	5.65	298.98	8.22
296.96	1.27	297.98	5.71	299.00	**8.26**
296.98	1.36	298.00	5.77		
297.00	1.45	298.02	5.83		
297.02	1.54	298.04	5.89		
297.04	1.63	298.06	5.95		
297.06	1.72	298.08	6.01		
297.08	1.82	298.10	6.07		
297.10	1.92	298.12	6.13		
297.12	2.01	298.14	6.18		
297.14	2.11	298.16	6.24		
297.16	2.22	298.18	6.30		
297.18	2.32	298.20	6.35		
297.20	2.42	298.22	6.41		
297.22	2.53	298.24	6.46		
297.24	2.63	298.26	6.51		
297.26	2.74	298.28	6.57		
297.28	2.84	298.30	6.62		
297.30	2.95	298.32	6.67		
297.32	3.06	298.34	6.72		
297.34	3.16	298.36	6.78		
297.36	3.27	298.38	6.83		
297.38	3.37	298.40	6.88		
297.40	3.48	298.42	6.93		
297.42	3.58	298.44	6.98		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
296.42	**0**	297.44	0	298.46	0
296.44	0	297.46	0	298.48	0
296.46	0	297.48	0	298.50	0
296.48	0	297.50	0	298.52	0
296.50	0	297.52	0	298.54	0
296.52	0	297.54	0	298.56	0
296.54	0	297.56	0	298.58	0
296.56	0	297.58	0	298.60	0
296.58	0	297.60	0	298.62	0
296.60	0	297.62	0	298.64	0
296.62	0	297.64	0	298.66	0
296.64	0	297.66	0	298.68	0
296.66	0	297.68	0	298.70	0
296.68	0	297.70	0	298.72	0
296.70	0	297.72	0	298.74	0
296.72	0	297.74	0	298.76	0
296.74	0	297.76	0	298.78	0
296.76	0	297.78	0	298.80	0
296.78	0	297.80	0	298.82	0
296.80	0	297.82	0	298.84	0
296.82	0	297.84	0	298.86	0
296.84	0	297.86	0	298.88	0
296.86	0	297.88	0	298.90	0
296.88	0	297.90	0	298.92	0
296.90	0	297.92	0	298.94	0
296.92	0	297.94	0	298.96	0
296.94	0	297.96	0	298.98	0
296.96	0	297.98	0	299.00	0
296.98	0	298.00	0		
297.00	0	298.02	0		
297.02	0	298.04	0		
297.04	0	298.06	0		
297.06	0	298.08	0		
297.08	0	298.10	0		
297.10	0	298.12	0		
297.12	0	298.14	0		
297.14	0	298.16	0		
297.16	0	298.18	0		
297.18	0	298.20	0		
297.20	0	298.22	0		
297.22	0	298.24	0		
297.24	0	298.26	0		
297.26	0	298.28	0		
297.28	0	298.30	0		
297.30	0	298.32	0		
297.32	0	298.34	0		
297.34	0	298.36	0		
297.36	0	298.38	0		
297.38	0	298.40	0		
297.40	0	298.42	0		
297.42	0	298.44	0		

Summary for Pond CB14: Catchbasin

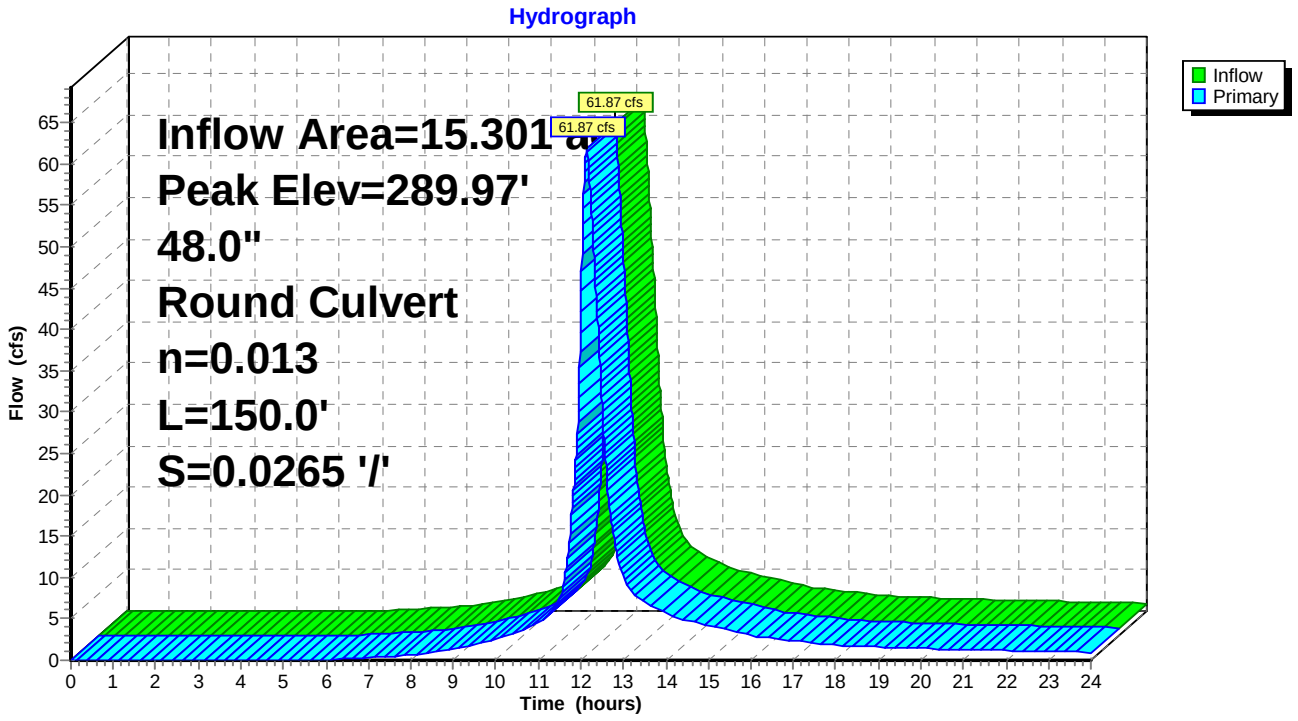
Inflow Area = 15.301 ac, 27.65% Impervious, Inflow Depth > 5.22" for 100-Year event
Inflow = 61.87 cfs @ 12.14 hrs, Volume= 6.657 af
Outflow = 61.87 cfs @ 12.14 hrs, Volume= 6.657 af, Atten= 0%, Lag= 0.0 min
Primary = 61.87 cfs @ 12.14 hrs, Volume= 6.657 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 289.97' @ 12.14 hrs
Flood Elev= 292.50'

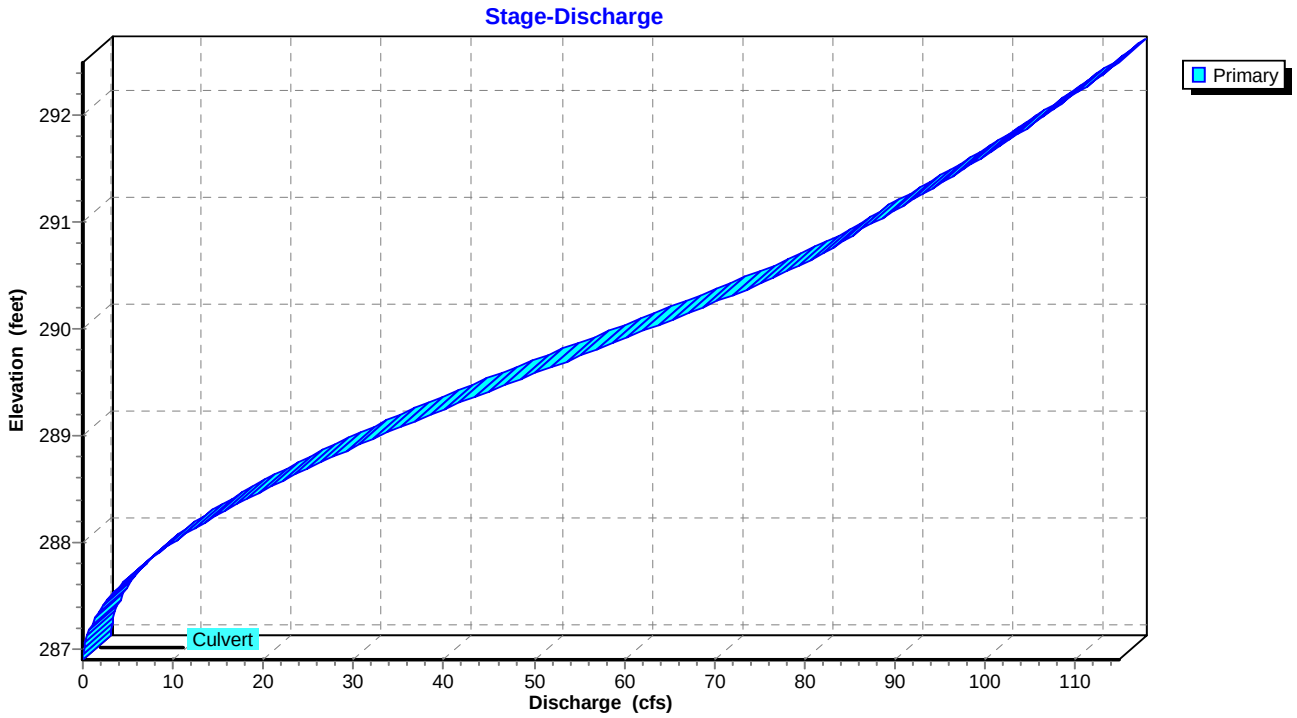
Device	Routing	Invert	Outlet Devices
#1	Primary	286.90'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 286.90' / 282.92' S= 0.0265 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=61.85 cfs @ 12.14 hrs HW=289.97' TW=286.40' (Dynamic Tailwater)
1=Culvert (Inlet Controls 61.85 cfs @ 5.97 fps)

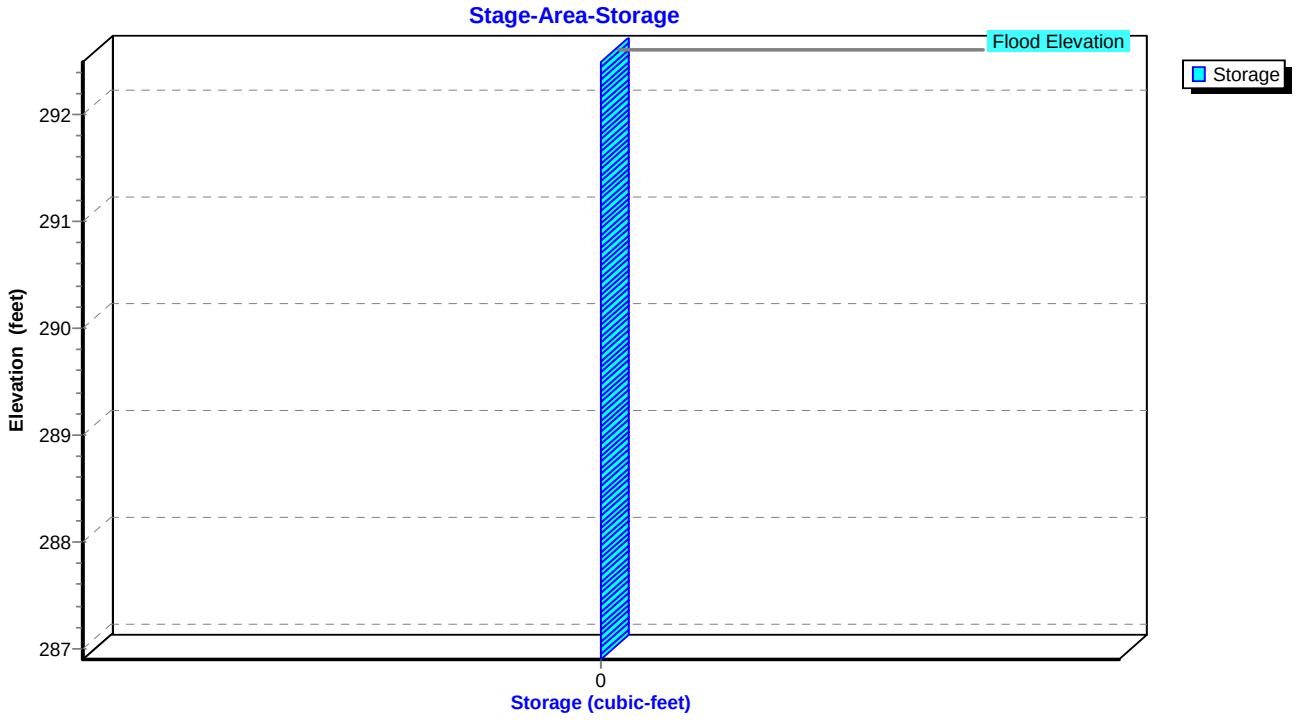
Pond CB14: Catchbasin



Pond CB14: Catchbasin



Pond CB14: Catchbasin



Hydrograph for Pond CB14: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	286.90	0.00
0.50	0.00	286.90	0.00
1.00	0.00	286.90	0.00
1.50	0.00	286.90	0.00
2.00	0.00	286.90	0.00
2.50	0.00	286.90	0.00
3.00	0.00	286.90	0.00
3.50	0.00	286.90	0.00
4.00	0.00	286.90	0.00
4.50	0.00	286.90	0.00
5.00	0.00	286.91	0.00
5.50	0.02	286.94	0.02
6.00	0.07	286.99	0.07
6.50	0.16	287.03	0.16
7.00	0.30	287.08	0.30
7.50	0.47	287.13	0.47
8.00	0.67	287.18	0.67
8.50	0.98	287.23	0.98
9.00	1.40	287.30	1.40
9.50	1.90	287.37	1.90
10.00	2.49	287.43	2.49
10.50	3.37	287.52	3.37
11.00	4.55	287.63	4.55
11.50	7.47	287.84	7.47
12.00	**42.08**	**289.32**	**42.08**
12.50	**30.94**	**288.93**	**30.94**
13.00	10.23	288.01	10.23
13.50	6.96	287.81	6.96
14.00	5.66	287.72	5.66
14.50	4.82	287.65	4.82
15.00	4.22	287.60	4.22
15.50	3.62	287.55	3.62
16.00	3.02	287.49	3.02
16.50	2.62	287.45	2.62
17.00	2.35	287.42	2.35
17.50	2.09	287.39	2.09
18.00	1.82	287.36	1.82
18.50	1.67	287.34	1.67
19.00	1.59	287.33	1.59
19.50	1.51	287.31	1.51
20.00	1.43	287.30	1.43
20.50	1.36	287.29	1.36
21.00	1.30	287.28	1.30
21.50	1.24	287.28	1.24
22.00	1.18	287.27	1.18
22.50	1.12	287.26	1.12
23.00	1.06	287.25	1.06
23.50	1.00	287.24	1.00
24.00	0.94	287.23	0.94

Stage-Discharge for Pond CB14: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
286.90	0.00	288.94	31.33	290.98	87.26
286.94	0.01	288.98	32.42	291.02	88.10
286.98	0.06	289.02	33.53	291.06	88.93
287.02	0.13	289.06	34.64	291.10	89.75
287.06	0.23	289.10	35.76	291.14	90.56
287.10	0.36	289.14	36.90	291.18	91.36
287.14	0.51	289.18	38.04	291.22	92.16
287.18	0.70	289.22	39.19	291.26	92.95
287.22	0.91	289.26	40.35	291.30	93.74
287.26	1.14	289.30	41.52	291.34	94.51
287.30	1.41	289.34	42.70	291.38	95.29
287.34	1.70	289.38	43.88	291.42	96.05
287.38	2.01	289.42	45.07	291.46	96.81
287.42	2.36	289.46	46.27	291.50	97.56
287.46	2.72	289.50	47.47	291.54	98.31
287.50	3.12	289.54	48.67	291.58	99.05
287.54	3.53	289.58	49.88	291.62	99.79
287.58	3.98	289.62	51.10	291.66	100.52
287.62	4.44	289.66	52.31	291.70	101.25
287.66	4.93	289.70	53.53	291.74	101.97
287.70	5.45	289.74	54.75	291.78	102.68
287.74	5.99	289.78	55.97	291.82	103.39
287.78	6.55	289.82	57.18	291.86	104.10
287.82	7.13	289.86	58.40	291.90	104.80
287.86	7.74	289.90	59.62	291.94	105.50
287.90	8.36	289.94	60.83	291.98	106.19
287.94	9.01	289.98	62.04	292.02	106.88
287.98	9.69	290.02	63.25	292.06	107.56
288.02	10.38	290.06	64.45	292.10	108.24
288.06	11.09	290.10	65.64	292.14	108.91
288.10	11.83	290.14	66.82	292.18	109.58
288.14	12.58	290.18	68.00	292.22	110.25
288.18	13.35	290.22	69.17	292.26	110.91
288.22	14.15	290.26	70.33	292.30	111.57
288.26	14.96	290.30	71.47	292.34	112.22
288.30	15.79	290.34	72.60	292.38	112.87
288.34	16.64	290.38	73.72	292.42	113.52
288.38	17.51	290.42	74.82	292.46	114.16
288.42	18.39	290.46	75.89	292.50	**114.80**
288.46	19.30	290.50	76.95		
288.50	20.22	290.54	77.99		
288.54	21.15	290.58	79.00		
288.58	22.10	290.62	79.98		
288.62	23.07	290.66	80.93		
288.66	24.05	290.70	81.84		
288.70	25.05	290.74	82.72		
288.74	26.07	290.78	83.54		
288.78	27.09	290.82	84.31		
288.82	28.13	290.86	85.00		
288.86	29.19	290.90	85.57		
288.90	30.25	290.94	86.42		

Stage-Area-Storage for Pond CB14: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
286.90	**0**	288.94	0	290.98	0
286.94	0	288.98	0	291.02	0
286.98	0	289.02	0	291.06	0
287.02	0	289.06	0	291.10	0
287.06	0	289.10	0	291.14	0
287.10	0	289.14	0	291.18	0
287.14	0	289.18	0	291.22	0
287.18	0	289.22	0	291.26	0
287.22	0	289.26	0	291.30	0
287.26	0	289.30	0	291.34	0
287.30	0	289.34	0	291.38	0
287.34	0	289.38	0	291.42	0
287.38	0	289.42	0	291.46	0
287.42	0	289.46	0	291.50	0
287.46	0	289.50	0	291.54	0
287.50	0	289.54	0	291.58	0
287.54	0	289.58	0	291.62	0
287.58	0	289.62	0	291.66	0
287.62	0	289.66	0	291.70	0
287.66	0	289.70	0	291.74	0
287.70	0	289.74	0	291.78	0
287.74	0	289.78	0	291.82	0
287.78	0	289.82	0	291.86	0
287.82	0	289.86	0	291.90	0
287.86	0	289.90	0	291.94	0
287.90	0	289.94	0	291.98	0
287.94	0	289.98	0	292.02	0
287.98	0	290.02	0	292.06	0
288.02	0	290.06	0	292.10	0
288.06	0	290.10	0	292.14	0
288.10	0	290.14	0	292.18	0
288.14	0	290.18	0	292.22	0
288.18	0	290.22	0	292.26	0
288.22	0	290.26	0	292.30	0
288.26	0	290.30	0	292.34	0
288.30	0	290.34	0	292.38	0
288.34	0	290.38	0	292.42	0
288.38	0	290.42	0	292.46	0
288.42	0	290.46	0	292.50	0
288.46	0	290.50	0		
288.50	0	290.54	0		
288.54	0	290.58	0		
288.58	0	290.62	0		
288.62	0	290.66	0		
288.66	0	290.70	0		
288.70	0	290.74	0		
288.74	0	290.78	0		
288.78	0	290.82	0		
288.82	0	290.86	0		
288.86	0	290.90	0		
288.90	0	290.94	0		

Summary for Pond CB14-1: CB1-1

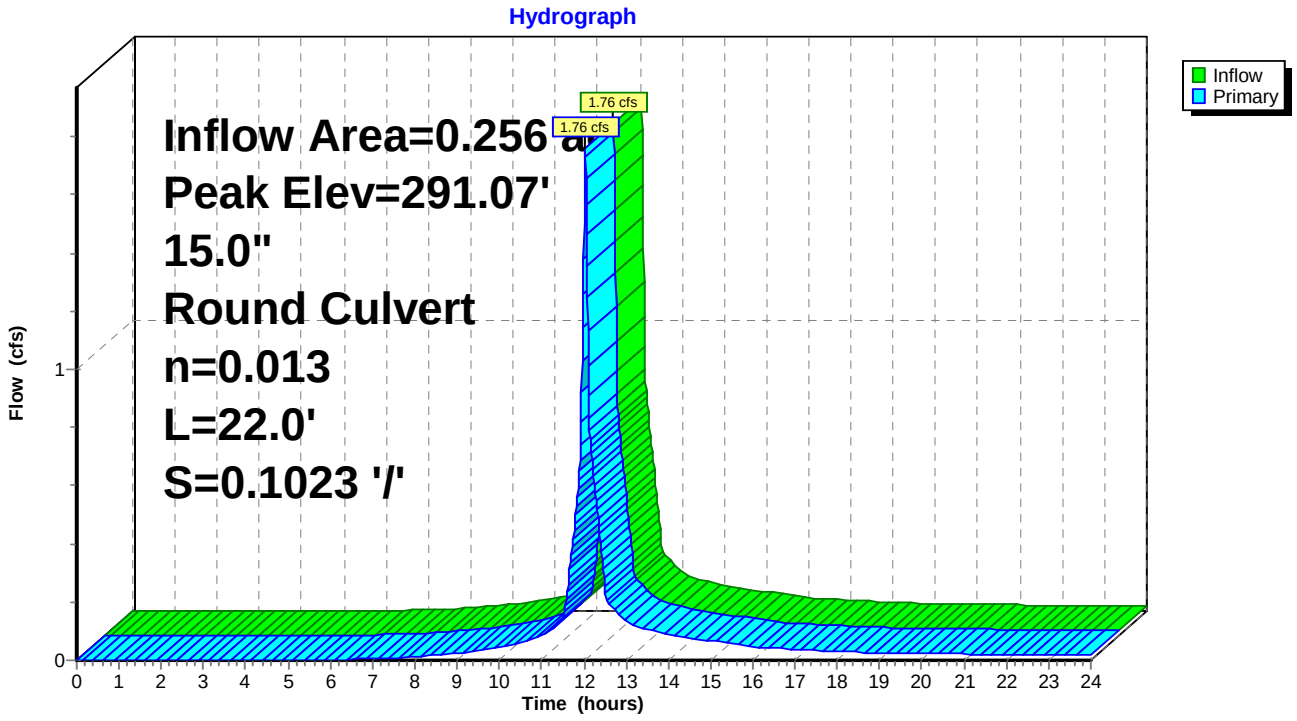
Inflow Area = 0.256 ac, 26.56% Impervious, Inflow Depth > 5.16" for 100-Year event
Inflow = 1.76 cfs @ 12.03 hrs, Volume= 0.110 af
Outflow = 1.76 cfs @ 12.03 hrs, Volume= 0.110 af, Atten= 0%, Lag= 0.0 min
Primary = 1.76 cfs @ 12.03 hrs, Volume= 0.110 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 291.07' @ 12.03 hrs
Flood Elev= 293.00'

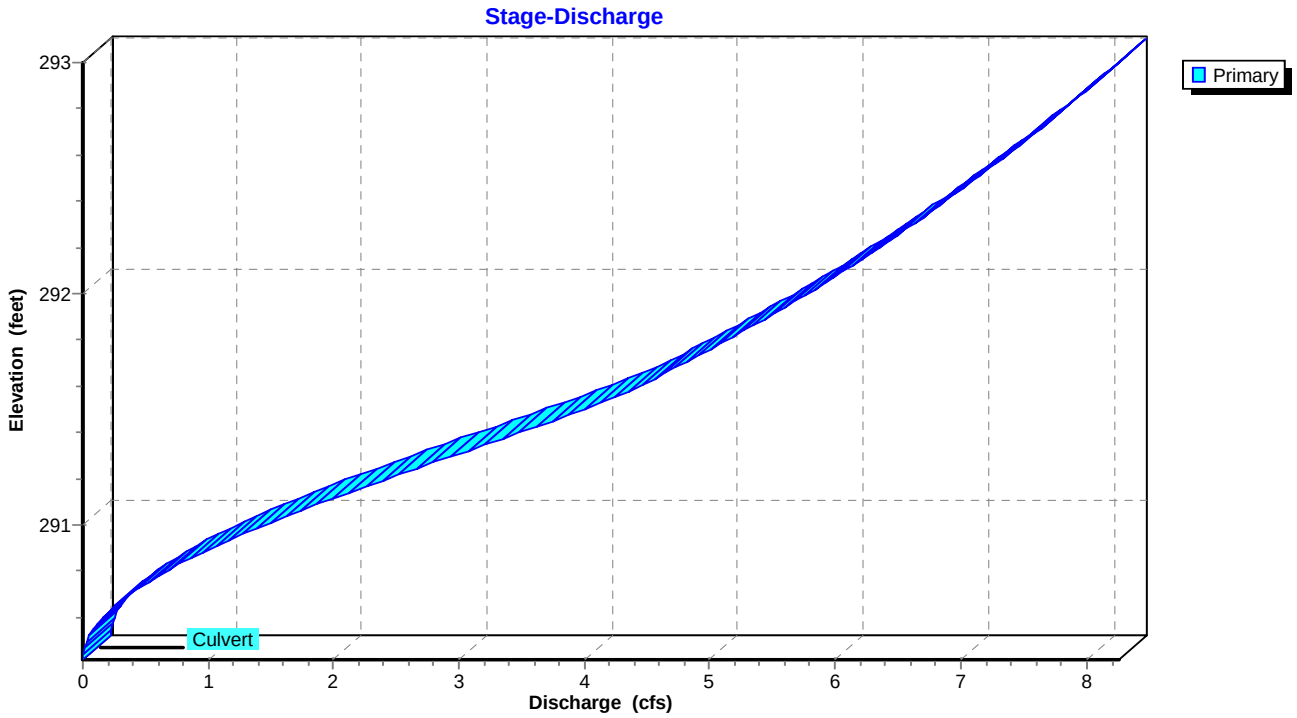
Device	Routing	Invert	Outlet Devices
#1	Primary	290.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 290.42' / 288.17' S= 0.1023 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.76 cfs @ 12.03 hrs HW=291.07' TW=289.56' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.76 cfs @ 2.74 fps)

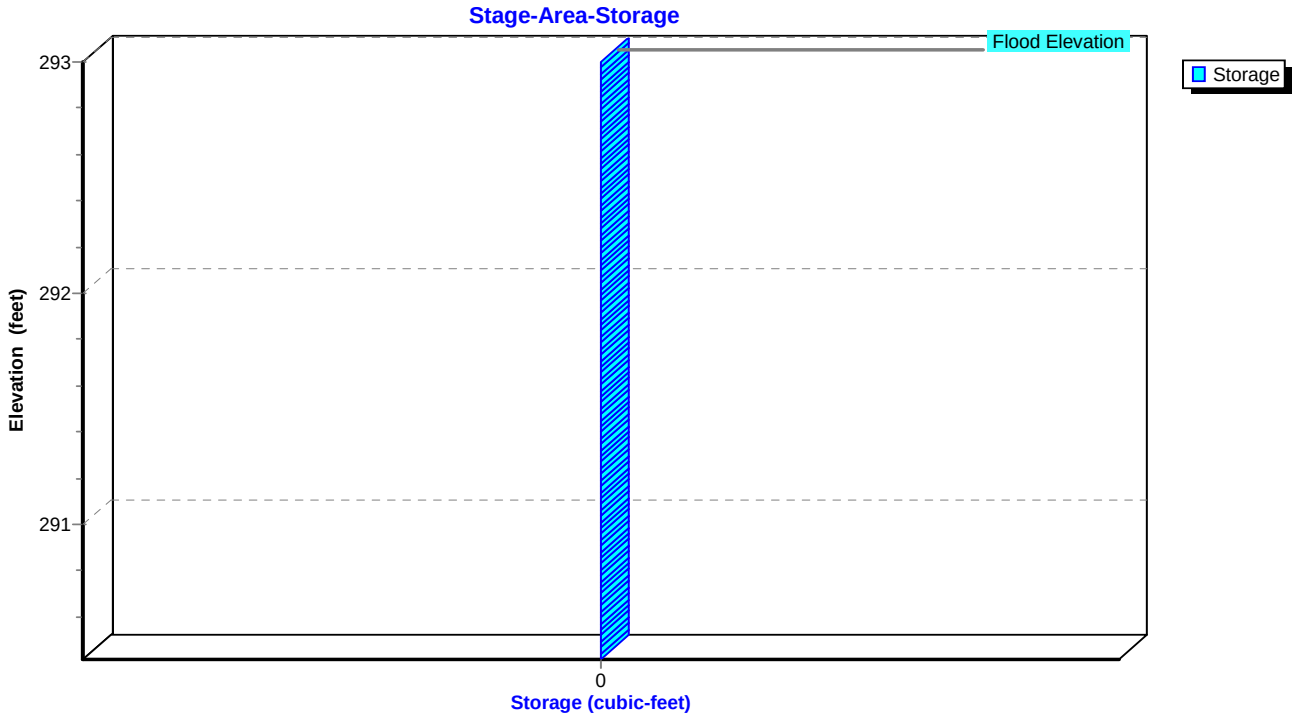
Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Pond CB14-1: CB1-1



Hydrograph for Pond CB14-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	290.42	0.00
0.50	0.00	290.42	0.00
1.00	0.00	290.42	0.00
1.50	0.00	290.42	0.00
2.00	0.00	290.42	0.00
2.50	0.00	290.42	0.00
3.00	0.00	290.42	0.00
3.50	0.00	290.42	0.00
4.00	0.00	290.42	0.00
4.50	0.00	290.42	0.00
5.00	0.00	290.42	0.00
5.50	0.00	290.42	0.00
6.00	0.00	290.43	0.00
6.50	0.00	290.44	0.00
7.00	0.01	290.45	0.01
7.50	0.01	290.46	0.01
8.00	0.01	290.47	0.01
8.50	0.02	290.48	0.02
9.00	0.02	290.49	0.02
9.50	0.03	290.50	0.03
10.00	0.04	290.51	0.04
10.50	0.06	290.53	0.06
11.00	0.08	290.55	0.08
11.50	0.15	290.59	0.15
12.00	**1.51**	**291.01**	**1.51**
12.50	**0.25**	**290.65**	**0.25**
13.00	0.13	290.58	0.13
13.50	0.11	290.57	0.11
14.00	0.09	290.55	0.09
14.50	0.08	290.54	0.08
15.00	0.07	290.54	0.07
15.50	0.06	290.53	0.06
16.00	0.05	290.52	0.05
16.50	0.04	290.51	0.04
17.00	0.04	290.51	0.04
17.50	0.03	290.50	0.03
18.00	0.03	290.50	0.03
18.50	0.03	290.49	0.03
19.00	0.03	290.49	0.03
19.50	0.02	290.49	0.02
20.00	0.02	290.49	0.02
20.50	0.02	290.49	0.02
21.00	0.02	290.49	0.02
21.50	0.02	290.48	0.02
22.00	0.02	290.48	0.02
22.50	0.02	290.48	0.02
23.00	0.02	290.48	0.02
23.50	0.02	290.48	0.02
24.00	0.02	290.48	0.02

Stage-Discharge for Pond CB14-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
290.42	0.00	291.44	3.69	292.46	7.03
290.44	0.00	291.46	3.79	292.48	7.08
290.46	0.01	291.48	3.89	292.50	7.13
290.48	0.02	291.50	3.99	292.52	7.18
290.50	0.03	291.52	4.08	292.54	7.22
290.52	0.05	291.54	4.18	292.56	7.27
290.54	0.07	291.56	4.27	292.58	7.32
290.56	0.10	291.58	4.36	292.60	7.37
290.58	0.12	291.60	4.44	292.62	7.42
290.60	0.16	291.62	4.52	292.64	7.46
290.62	0.19	291.64	4.59	292.66	7.51
290.64	0.23	291.66	4.65	292.68	7.56
290.66	0.27	291.68	4.71	292.70	7.60
290.68	0.32	291.70	4.78	292.72	7.65
290.70	0.37	291.72	4.85	292.74	7.69
290.72	0.42	291.74	4.93	292.76	7.74
290.74	0.48	291.76	5.00	292.78	7.78
290.76	0.54	291.78	5.07	292.80	7.83
290.78	0.60	291.80	5.13	292.82	7.87
290.80	0.66	291.82	5.20	292.84	7.92
290.82	0.73	291.84	5.27	292.86	7.96
290.84	0.80	291.86	5.33	292.88	8.00
290.86	0.87	291.88	5.40	292.90	8.05
290.88	0.95	291.90	5.46	292.92	8.09
290.90	1.02	291.92	5.53	292.94	8.13
290.92	1.10	291.94	5.59	292.96	8.18
290.94	1.19	291.96	5.65	292.98	8.22
290.96	1.27	291.98	5.71	293.00	**8.26**
290.98	1.36	292.00	5.77		
291.00	1.45	292.02	5.83		
291.02	1.54	292.04	5.89		
291.04	1.63	292.06	5.95		
291.06	1.72	292.08	6.01		
291.08	1.82	292.10	6.07		
291.10	1.92	292.12	6.13		
291.12	2.01	292.14	6.18		
291.14	2.11	292.16	6.24		
291.16	2.22	292.18	6.30		
291.18	2.32	292.20	6.35		
291.20	2.42	292.22	6.41		
291.22	2.53	292.24	6.46		
291.24	2.63	292.26	6.51		
291.26	2.74	292.28	6.57		
291.28	2.84	292.30	6.62		
291.30	2.95	292.32	6.67		
291.32	3.06	292.34	6.72		
291.34	3.16	292.36	6.78		
291.36	3.27	292.38	6.83		
291.38	3.37	292.40	6.88		
291.40	3.48	292.42	6.93		
291.42	3.58	292.44	6.98		

Stage-Area-Storage for Pond CB14-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
290.42	**0**	291.44	0	292.46	0
290.44	0	291.46	0	292.48	0
290.46	0	291.48	0	292.50	0
290.48	0	291.50	0	292.52	0
290.50	0	291.52	0	292.54	0
290.52	0	291.54	0	292.56	0
290.54	0	291.56	0	292.58	0
290.56	0	291.58	0	292.60	0
290.58	0	291.60	0	292.62	0
290.60	0	291.62	0	292.64	0
290.62	0	291.64	0	292.66	0
290.64	0	291.66	0	292.68	0
290.66	0	291.68	0	292.70	0
290.68	0	291.70	0	292.72	0
290.70	0	291.72	0	292.74	0
290.72	0	291.74	0	292.76	0
290.74	0	291.76	0	292.78	0
290.76	0	291.78	0	292.80	0
290.78	0	291.80	0	292.82	0
290.80	0	291.82	0	292.84	0
290.82	0	291.84	0	292.86	0
290.84	0	291.86	0	292.88	0
290.86	0	291.88	0	292.90	0
290.88	0	291.90	0	292.92	0
290.90	0	291.92	0	292.94	0
290.92	0	291.94	0	292.96	0
290.94	0	291.96	0	292.98	0
290.96	0	291.98	0	293.00	0
290.98	0	292.00	0		
291.00	0	292.02	0		
291.02	0	292.04	0		
291.04	0	292.06	0		
291.06	0	292.08	0		
291.08	0	292.10	0		
291.10	0	292.12	0		
291.12	0	292.14	0		
291.14	0	292.16	0		
291.16	0	292.18	0		
291.18	0	292.20	0		
291.20	0	292.22	0		
291.22	0	292.24	0		
291.24	0	292.26	0		
291.26	0	292.28	0		
291.28	0	292.30	0		
291.30	0	292.32	0		
291.32	0	292.34	0		
291.34	0	292.36	0		
291.36	0	292.38	0		
291.38	0	292.40	0		
291.40	0	292.42	0		
291.42	0	292.44	0		

Summary for Pond CB15: Catchbasin

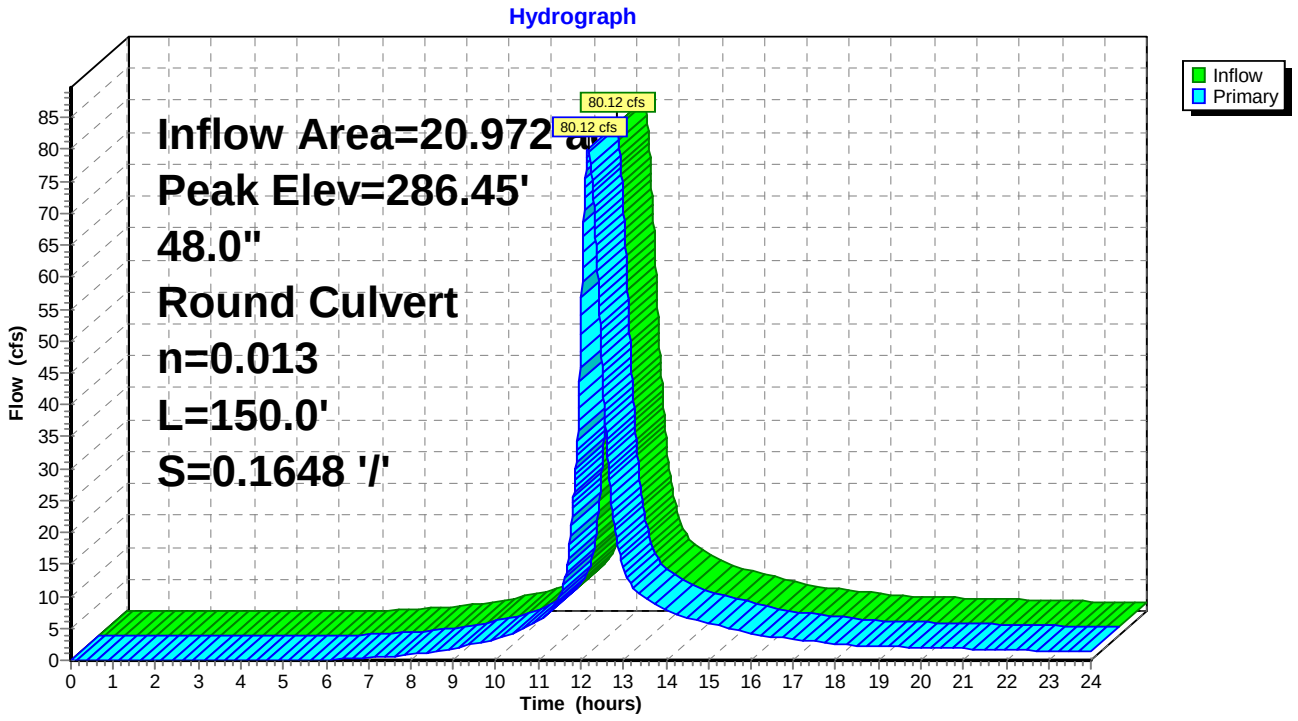
Inflow Area = 20.972 ac, 26.95% Impervious, Inflow Depth > 5.20" for 100-Year event
Inflow = 80.12 cfs @ 12.18 hrs, Volume= 9.085 af
Outflow = 80.12 cfs @ 12.18 hrs, Volume= 9.085 af, Atten= 0%, Lag= 0.0 min
Primary = 80.12 cfs @ 12.18 hrs, Volume= 9.085 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 286.45' @ 12.18 hrs
Flood Elev= 287.25'

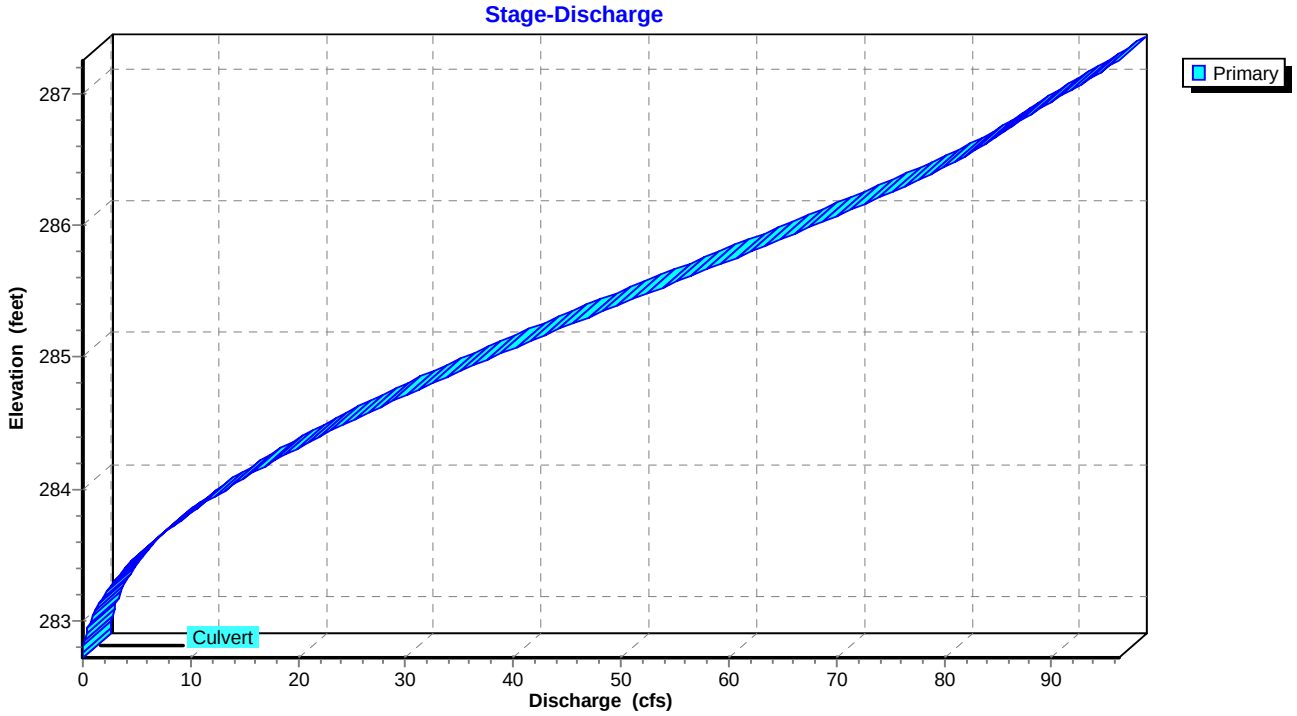
Device	Routing	Invert	Outlet Devices
#1	Primary	282.72'	**48.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 282.72' / 258.00' S= 0.1648 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 12.57 sf

Primary OutFlow Max=80.10 cfs @ 12.18 hrs HW=286.44' (Free Discharge)
1=Culvert (Inlet Controls 80.10 cfs @ 6.57 fps)

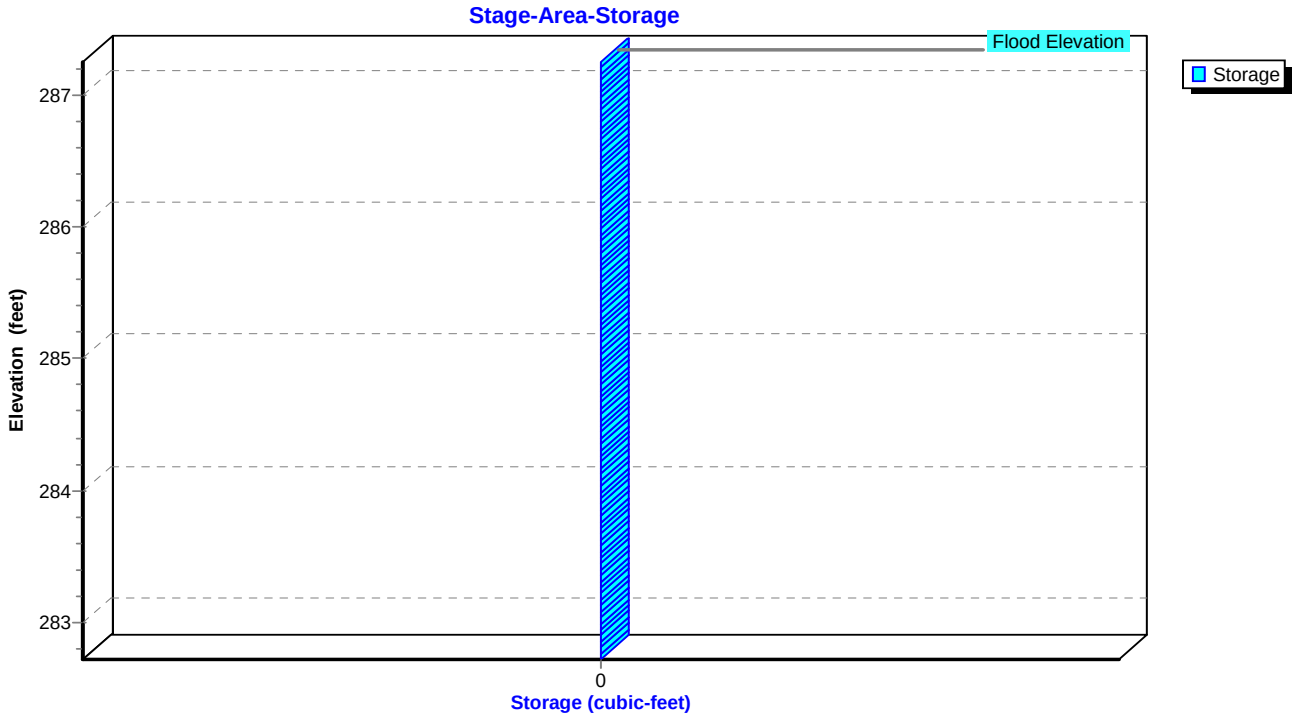
Pond CB15: Catchbasin



Pond CB15: Catchbasin



Pond CB15: Catchbasin



Hydrograph for Pond CB15: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	282.72	0.00
0.50	0.00	282.72	0.00
1.00	0.00	282.72	0.00
1.50	0.00	282.72	0.00
2.00	0.00	282.72	0.00
2.50	0.00	282.72	0.00
3.00	0.00	282.72	0.00
3.50	0.00	282.72	0.00
4.00	0.00	282.72	0.00
4.50	0.00	282.72	0.00
5.00	0.00	282.73	0.00
5.50	0.02	282.76	0.02
6.00	0.07	282.81	0.07
6.50	0.20	282.87	0.20
7.00	0.38	282.93	0.38
7.50	0.61	282.98	0.61
8.00	0.88	283.04	0.88
8.50	1.28	283.10	1.28
9.00	1.85	283.18	1.85
9.50	2.53	283.26	2.53
10.00	3.32	283.34	3.32
10.50	4.50	283.44	4.50
11.00	6.09	283.57	6.09
11.50	9.85	283.81	9.85
12.00	**51.17**	**285.44**	**51.17**
12.50	**46.22**	**285.28**	**46.22**
13.00	14.55	284.06	14.55
13.50	9.63	283.80	9.63
14.00	7.85	283.69	7.85
14.50	6.65	283.61	6.65
15.00	5.83	283.55	5.83
15.50	5.01	283.49	5.01
16.00	4.18	283.42	4.18
16.50	3.61	283.37	3.61
17.00	3.24	283.33	3.24
17.50	2.88	283.30	2.88
18.00	2.52	283.26	2.52
18.50	2.30	283.23	2.30
19.00	2.18	283.22	2.18
19.50	2.07	283.21	2.07
20.00	1.97	283.19	1.97
20.50	1.87	283.18	1.87
21.00	1.79	283.17	1.79
21.50	1.71	283.16	1.71
22.00	1.63	283.15	1.63
22.50	1.54	283.14	1.54
23.00	1.46	283.13	1.46
23.50	1.38	283.12	1.38
24.00	1.30	283.10	1.30

Stage-Discharge for Pond CB15: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
282.72	0.00	285.27	45.97
282.77	0.02	285.32	47.47
282.82	0.09	285.37	48.98
282.87	0.20	285.42	50.49
282.92	0.36	285.47	52.01
282.97	0.56	285.52	53.53
283.02	0.80	285.57	55.05
283.07	1.08	285.62	56.58
283.12	1.41	285.67	58.10
283.17	1.78	285.72	59.62
283.22	2.18	285.77	61.13
283.27	2.63	285.82	62.64
283.32	3.12	285.87	64.15
283.37	3.64	285.92	65.64
283.42	4.21	285.97	67.12
283.47	4.81	286.02	68.59
283.52	5.45	286.07	70.04
283.57	6.12	286.12	71.47
283.62	6.84	286.17	72.88
283.67	7.58	286.22	74.27
283.72	8.36	286.27	75.63
283.77	9.18	286.32	76.95
283.82	10.03	286.37	78.24
283.87	10.91	286.42	79.49
283.92	11.83	286.47	80.70
283.97	12.77	286.52	81.84
284.02	13.75	286.57	82.93
284.07	14.75	286.62	83.93
284.12	15.79	286.67	84.83
284.17	16.86	286.72	85.57
284.22	17.95	286.77	86.63
284.27	19.07	286.82	87.68
284.32	20.22	286.87	88.72
284.37	21.39	286.92	89.75
284.42	22.59	286.97	90.76
284.47	23.81	287.02	91.76
284.52	25.05	287.07	92.76
284.57	26.32	287.12	93.74
284.62	27.61	287.17	94.71
284.67	28.92	287.22	**95.67**
284.72	30.25		
284.77	31.60		
284.82	32.97		
284.87	34.36		
284.92	35.76		
284.97	37.18		
285.02	38.62		
285.07	40.06		
285.12	41.52		
285.17	43.00		
285.22	44.48		

Stage-Area-Storage for Pond CB15: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
282.72	**0**	285.27	0
282.77	0	285.32	0
282.82	0	285.37	0
282.87	0	285.42	0
282.92	0	285.47	0
282.97	0	285.52	0
283.02	0	285.57	0
283.07	0	285.62	0
283.12	0	285.67	0
283.17	0	285.72	0
283.22	0	285.77	0
283.27	0	285.82	0
283.32	0	285.87	0
283.37	0	285.92	0
283.42	0	285.97	0
283.47	0	286.02	0
283.52	0	286.07	0
283.57	0	286.12	0
283.62	0	286.17	0
283.67	0	286.22	0
283.72	0	286.27	0
283.77	0	286.32	0
283.82	0	286.37	0
283.87	0	286.42	0
283.92	0	286.47	0
283.97	0	286.52	0
284.02	0	286.57	0
284.07	0	286.62	0
284.12	0	286.67	0
284.17	0	286.72	0
284.22	0	286.77	0
284.27	0	286.82	0
284.32	0	286.87	0
284.37	0	286.92	0
284.42	0	286.97	0
284.47	0	287.02	0
284.52	0	287.07	0
284.57	0	287.12	0
284.62	0	287.17	0
284.67	0	287.22	0
284.72	0		
284.77	0		
284.82	0		
284.87	0		
284.92	0		
284.97	0		
285.02	0		
285.07	0		
285.12	0		
285.17	0		
285.22	0		

Summary for Pond CB15-1: CB1-1

[58] Hint: Peaked 2.58' above defined flood level

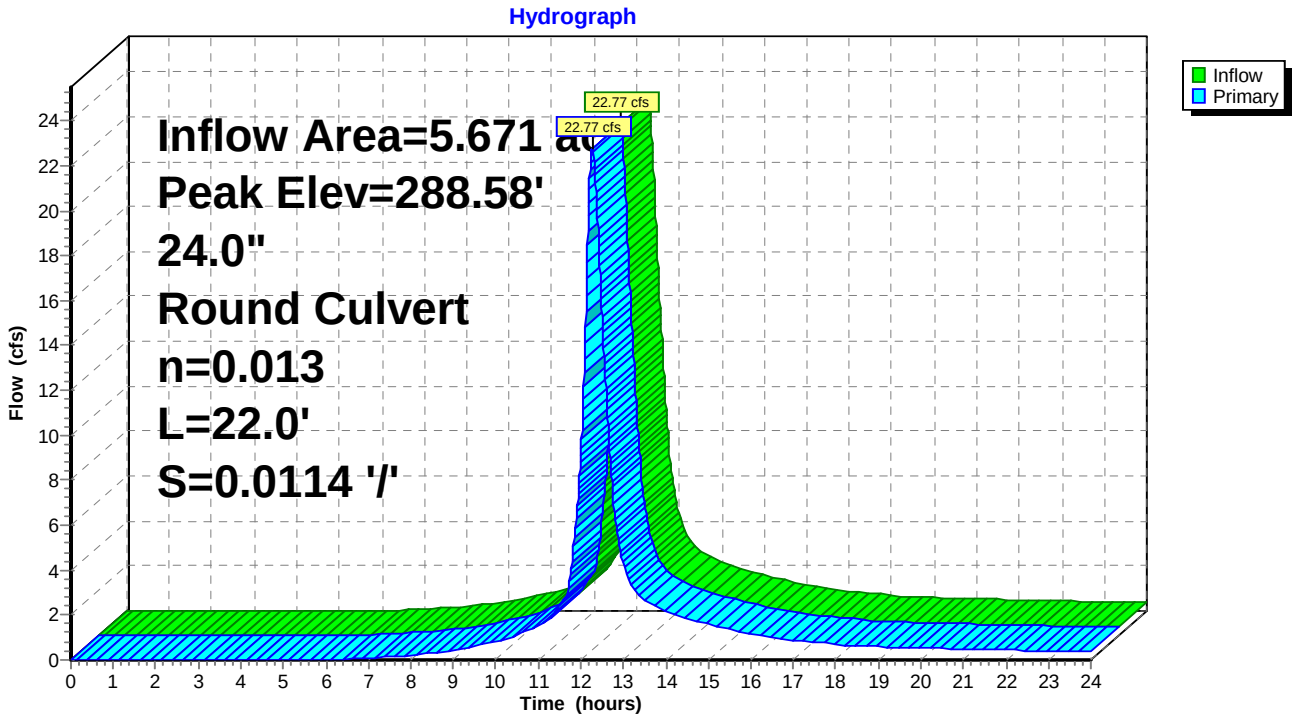
Inflow Area = 5.671 ac, 25.06% Impervious, Inflow Depth > 5.14" for 100-Year event
Inflow = 22.77 cfs @ 12.27 hrs, Volume= 2.429 af
Outflow = 22.77 cfs @ 12.27 hrs, Volume= 2.429 af, Atten= 0%, Lag= 0.0 min
Primary = 22.77 cfs @ 12.27 hrs, Volume= 2.429 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 288.58' @ 12.25 hrs
Flood Elev= 286.00'

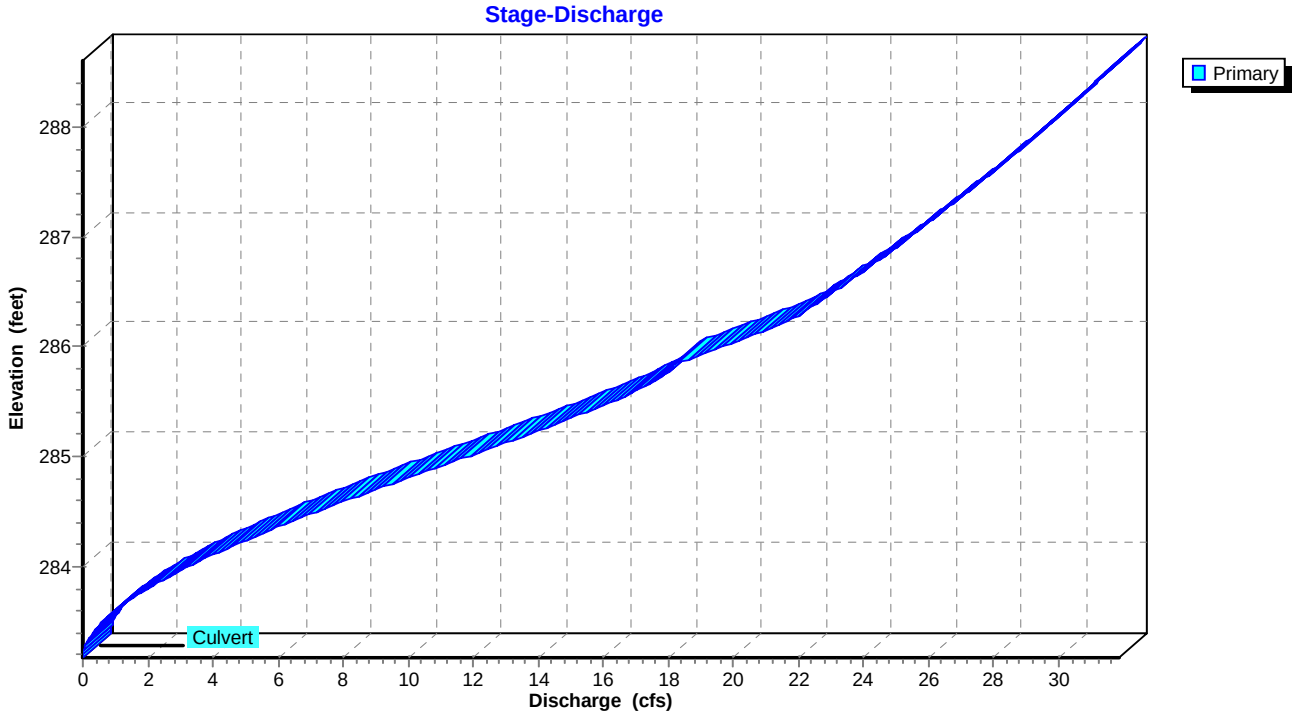
Device	Routing	Invert	Outlet Devices
#1	Primary	283.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 283.17' / 282.92' S= 0.0114 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=22.92 cfs @ 12.27 hrs HW=288.54' TW=286.24' (Dynamic Tailwater)
1=Culvert (Inlet Controls 22.92 cfs @ 7.30 fps)

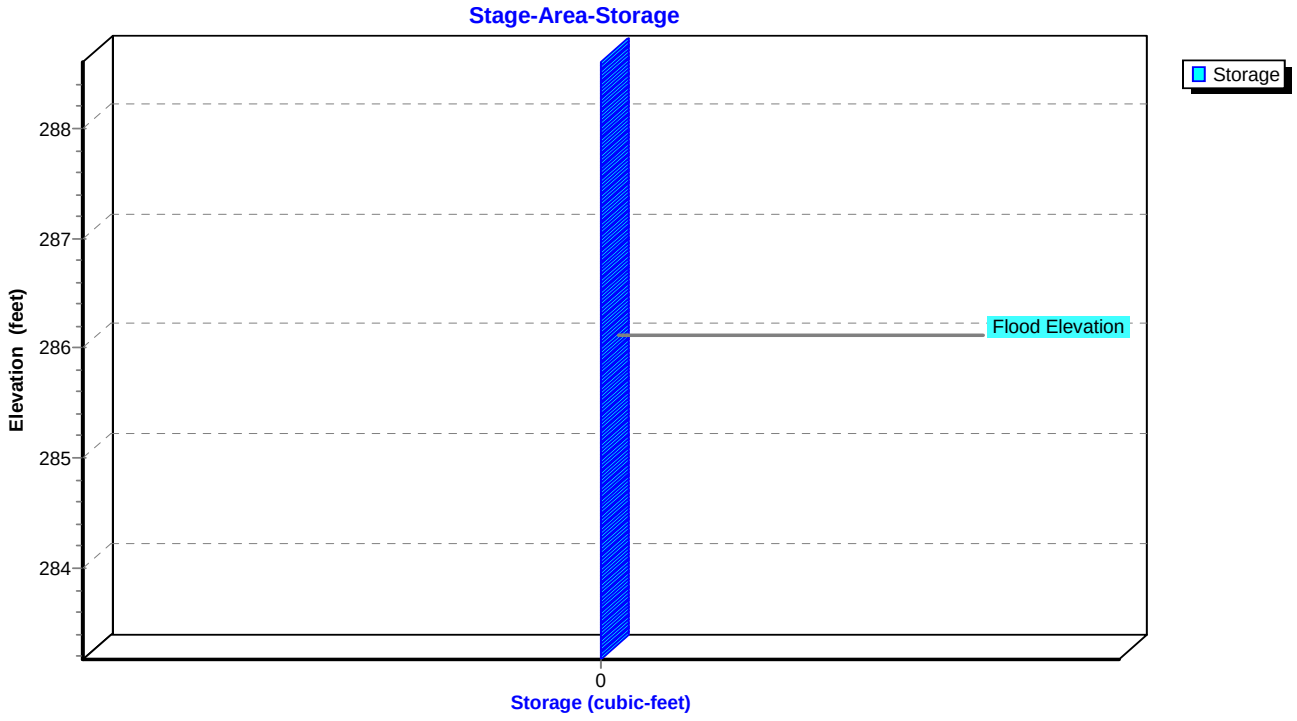
Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Pond CB15-1: CB1-1



Hydrograph for Pond CB15-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	283.17	0.00
0.50	0.00	283.17	0.00
1.00	0.00	283.17	0.00
1.50	0.00	283.17	0.00
2.00	0.00	283.17	0.00
2.50	0.00	283.17	0.00
3.00	0.00	283.17	0.00
3.50	0.00	283.17	0.00
4.00	0.00	283.17	0.00
4.50	0.00	283.17	0.00
5.00	0.00	283.17	0.00
5.50	0.00	283.17	0.00
6.00	0.00	283.20	0.00
6.50	0.04	283.25	0.04
7.00	0.08	283.29	0.08
7.50	0.14	283.32	0.14
8.00	0.21	283.36	0.21
8.50	0.31	283.40	0.31
9.00	0.45	283.46	0.45
9.50	0.63	283.53	0.63
10.00	0.84	283.59	0.84
10.50	1.12	283.69	1.12
11.00	1.54	283.80	1.54
11.50	2.38	284.03	2.38
12.00	**9.09**	**285.71**	**9.09**
12.50	**15.28**	**286.34**	**15.28**
13.00	4.32	284.36	4.32
13.50	2.67	284.05	2.67
14.00	2.19	283.94	2.19
14.50	1.83	283.86	1.83
15.00	1.60	283.80	1.60
15.50	1.38	283.75	1.38
16.00	1.16	283.68	1.16
16.50	0.99	283.63	0.99
17.00	0.89	283.60	0.89
17.50	0.79	283.57	0.79
18.00	0.69	283.54	0.69
18.50	0.62	283.52	0.62
19.00	0.59	283.51	0.59
19.50	0.56	283.50	0.56
20.00	0.53	283.49	0.53
20.50	0.51	283.48	0.51
21.00	0.49	283.47	0.49
21.50	0.46	283.46	0.46
22.00	0.44	283.45	0.44
22.50	0.42	283.44	0.42
23.00	0.40	283.43	0.40
23.50	0.38	283.42	0.38
24.00	0.35	283.42	0.35

Stage-Discharge for Pond CB15-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
283.17	0.00	285.21	13.79	287.25	26.55
283.21	0.01	285.25	14.15	287.29	26.72
283.25	0.04	285.29	14.51	287.33	26.89
283.29	0.09	285.33	14.86	287.37	27.06
283.33	0.15	285.37	15.21	287.41	27.23
283.37	0.24	285.41	15.55	287.45	27.40
283.41	0.34	285.45	15.88	287.49	27.56
283.45	0.45	285.49	16.21	287.53	27.73
283.49	0.58	285.53	16.52	287.57	27.89
283.53	0.73	285.57	16.82	287.61	28.06
283.57	0.88	285.61	17.10	287.65	28.22
283.61	1.05	285.65	17.36	287.69	28.38
283.65	1.23	285.69	17.61	287.73	28.54
283.69	1.42	285.73	17.83	287.77	28.70
283.73	1.63	285.77	18.01	287.81	28.86
283.77	1.84	285.81	18.14	287.85	29.02
283.81	2.06	285.85	18.25	287.89	29.18
283.85	2.30	285.89	18.64	287.93	29.33
283.89	2.54	285.93	19.02	287.97	29.49
283.93	2.79	285.97	19.39	288.01	29.64
283.97	3.05	286.01	19.76	288.05	29.80
284.01	3.32	286.05	20.12	288.09	29.95
284.05	3.60	286.09	20.47	288.13	30.10
284.09	3.88	286.13	20.82	288.17	30.25
284.13	4.18	286.17	21.16	288.21	30.40
284.17	4.48	286.21	21.50	288.25	30.55
284.21	4.79	286.25	21.82	288.29	30.70
284.25	5.10	286.29	22.02	288.33	30.85
284.29	5.42	286.33	22.23	288.37	31.00
284.33	5.75	286.37	22.44	288.41	31.15
284.37	6.08	286.41	22.64	288.45	31.29
284.41	6.42	286.45	22.84	288.49	31.44
284.45	6.76	286.49	23.04	288.53	31.59
284.49	7.11	286.53	23.24	288.57	**31.73**
284.53	7.46	286.57	23.43		
284.57	7.82	286.61	23.63		
284.61	8.18	286.65	23.82		
284.65	8.55	286.69	24.01		
284.69	8.91	286.73	24.20		
284.73	9.28	286.77	24.39		
284.77	9.66	286.81	24.58		
284.81	10.03	286.85	24.76		
284.85	10.41	286.89	24.95		
284.89	10.79	286.93	25.13		
284.93	11.16	286.97	25.31		
284.97	11.54	287.01	25.49		
285.01	11.92	287.05	25.67		
285.05	12.30	287.09	25.85		
285.09	12.67	287.13	26.02		
285.13	13.05	287.17	26.20		
285.17	13.42	287.21	26.37		

Stage-Area-Storage for Pond CB15-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
283.17	**0**	285.21	0	287.25	0
283.21	0	285.25	0	287.29	0
283.25	0	285.29	0	287.33	0
283.29	0	285.33	0	287.37	0
283.33	0	285.37	0	287.41	0
283.37	0	285.41	0	287.45	0
283.41	0	285.45	0	287.49	0
283.45	0	285.49	0	287.53	0
283.49	0	285.53	0	287.57	0
283.53	0	285.57	0	287.61	0
283.57	0	285.61	0	287.65	0
283.61	0	285.65	0	287.69	0
283.65	0	285.69	0	287.73	0
283.69	0	285.73	0	287.77	0
283.73	0	285.77	0	287.81	0
283.77	0	285.81	0	287.85	0
283.81	0	285.85	0	287.89	0
283.85	0	285.89	0	287.93	0
283.89	0	285.93	0	287.97	0
283.93	0	285.97	0	288.01	0
283.97	0	286.01	0	288.05	0
284.01	0	286.05	0	288.09	0
284.05	0	286.09	0	288.13	0
284.09	0	286.13	0	288.17	0
284.13	0	286.17	0	288.21	0
284.17	0	286.21	0	288.25	0
284.21	0	286.25	0	288.29	0
284.25	0	286.29	0	288.33	0
284.29	0	286.33	0	288.37	0
284.33	0	286.37	0	288.41	0
284.37	0	286.41	0	288.45	0
284.41	0	286.45	0	288.49	0
284.45	0	286.49	0	288.53	0
284.49	0	286.53	0	288.57	0
284.53	0	286.57	0		
284.57	0	286.61	0		
284.61	0	286.65	0		
284.65	0	286.69	0		
284.69	0	286.73	0		
284.73	0	286.77	0		
284.77	0	286.81	0		
284.81	0	286.85	0		
284.85	0	286.89	0		
284.89	0	286.93	0		
284.93	0	286.97	0		
284.97	0	287.01	0		
285.01	0	287.05	0		
285.05	0	287.09	0		
285.09	0	287.13	0		
285.13	0	287.17	0		
285.17	0	287.21	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

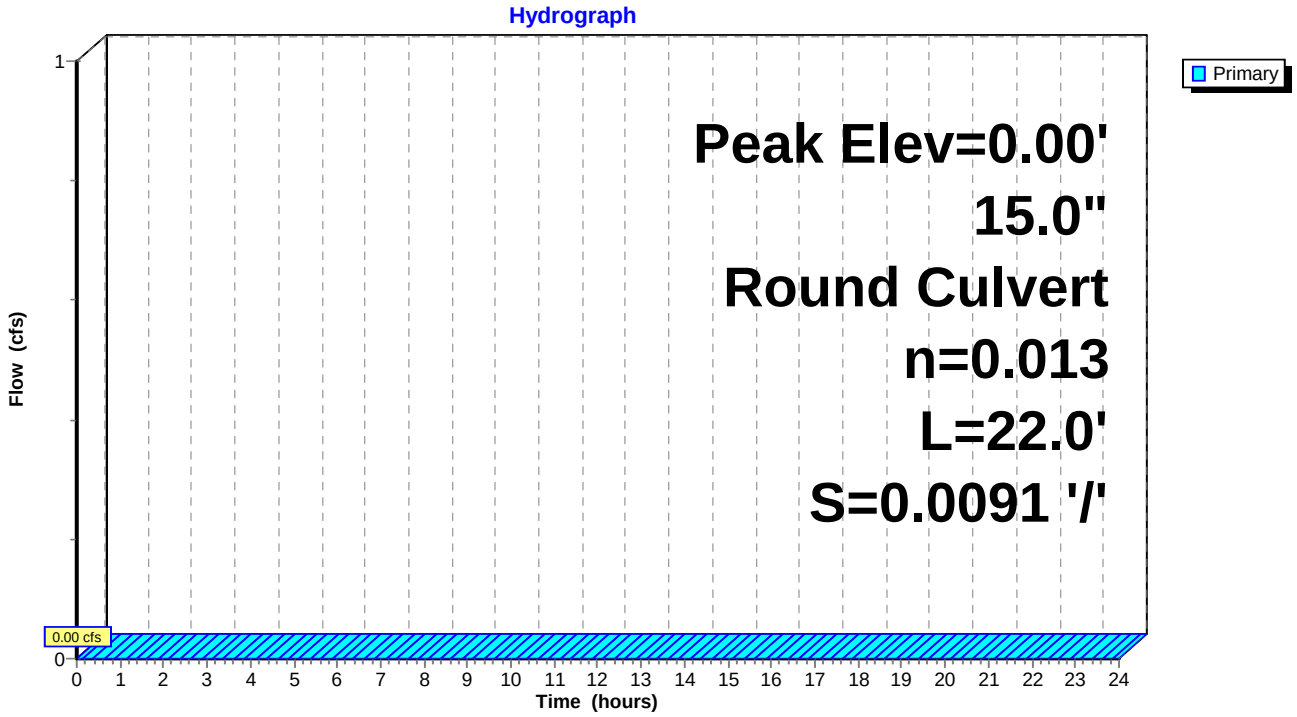
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

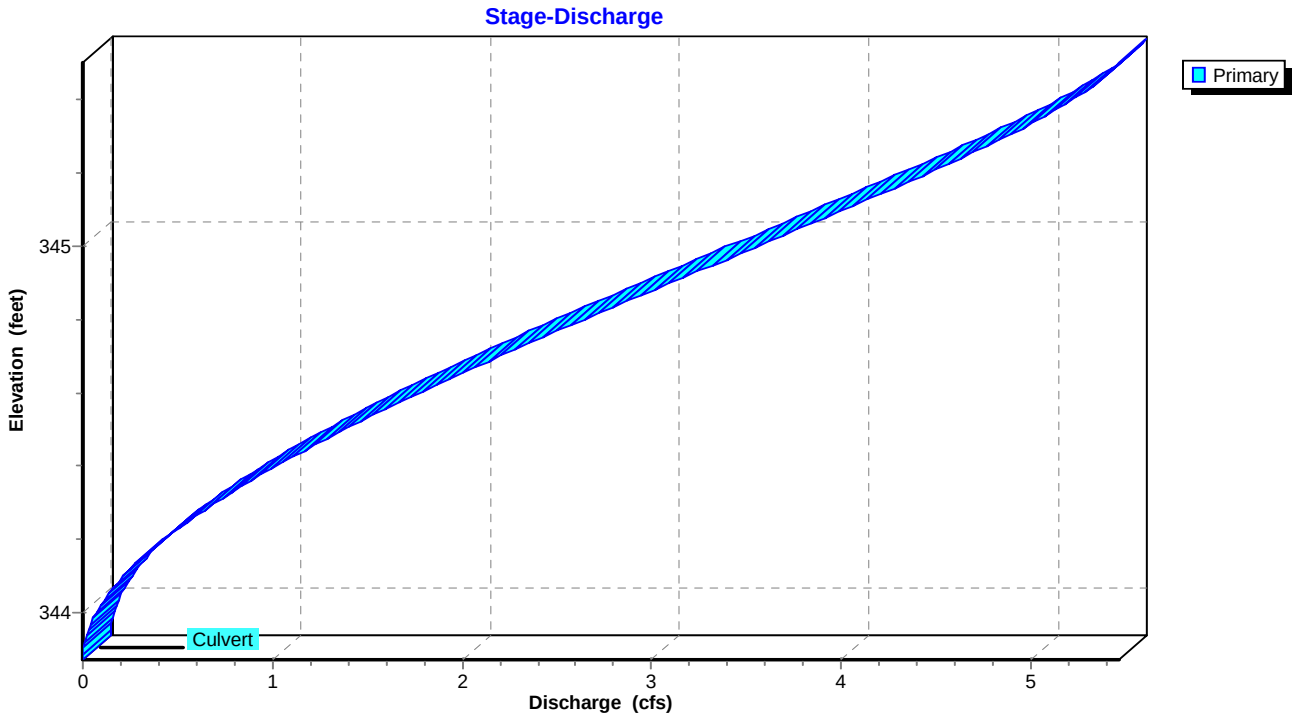
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

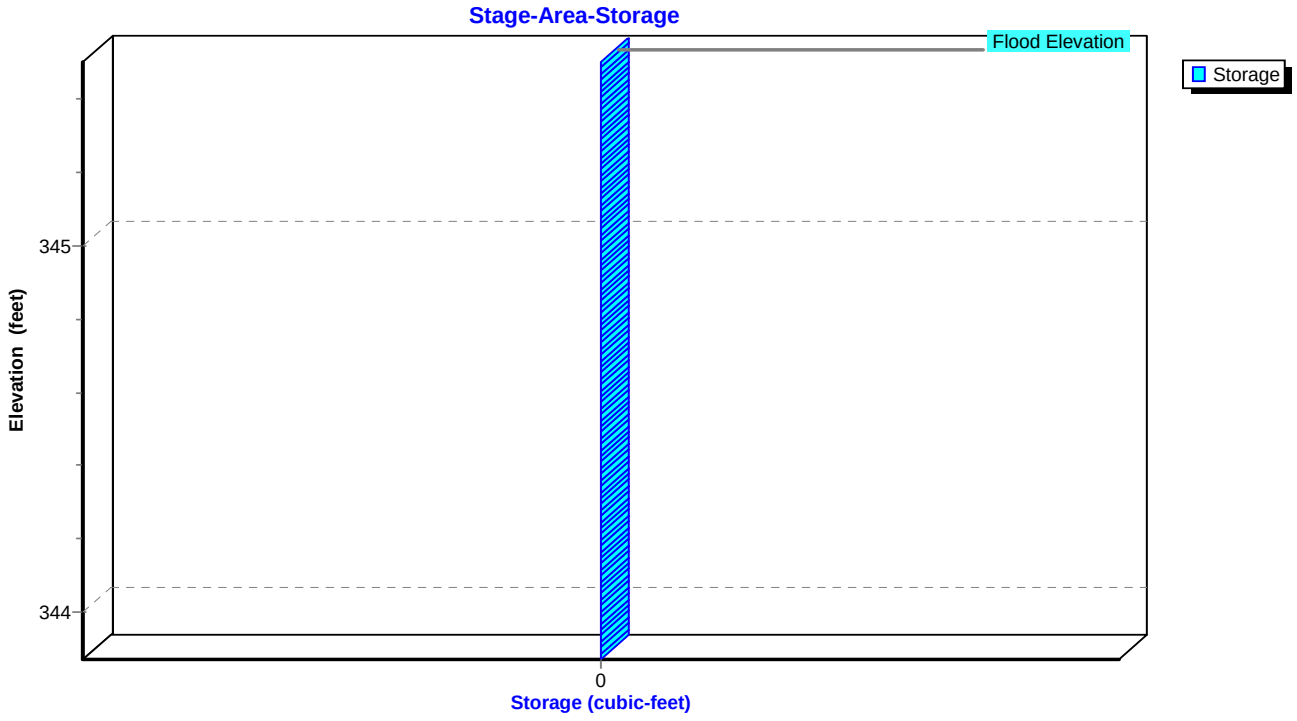
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

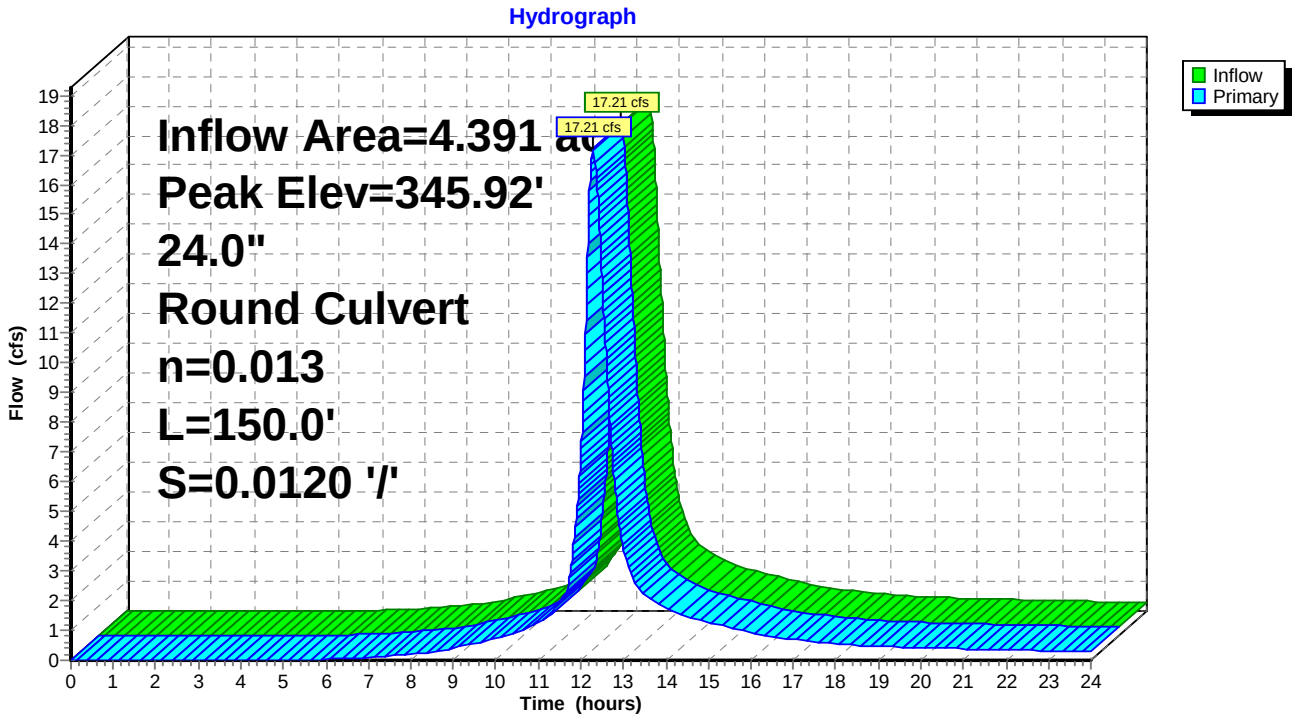
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af
Outflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af, Atten= 0%, Lag= 0.0 min
Primary = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.92' @ 12.29 hrs
Flood Elev= 347.00'

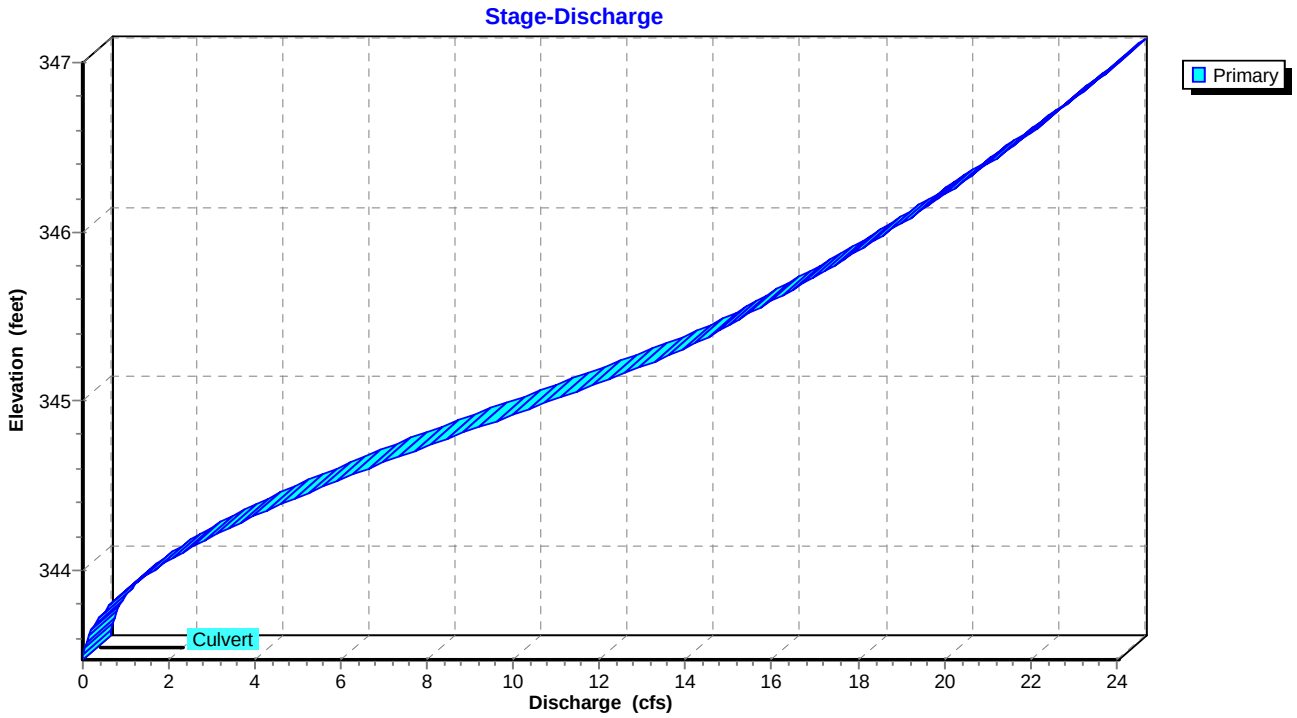
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.18 cfs @ 12.29 hrs HW=345.92' TW=344.41' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 17.18 cfs @ 5.69 fps)

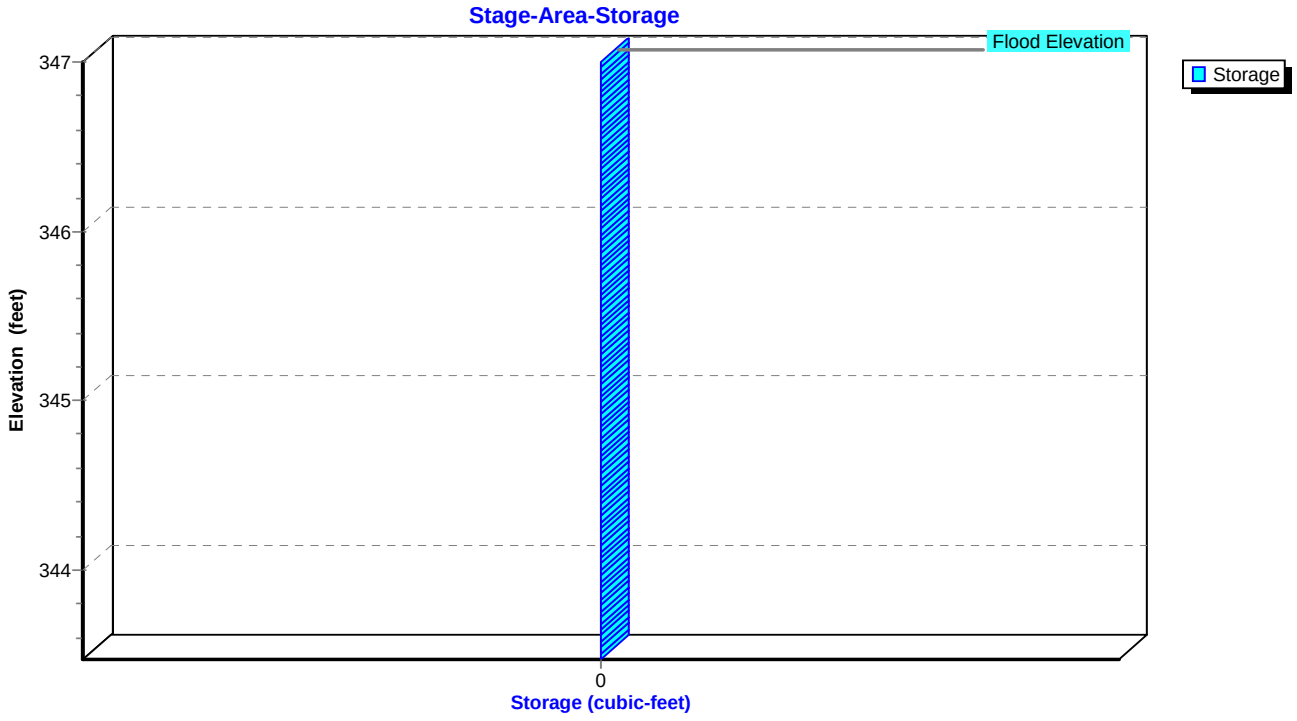
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.01	343.50	0.01
6.00	0.03	343.54	0.03
6.50	0.06	343.56	0.06
7.00	0.10	343.59	0.10
7.50	0.15	343.62	0.15
8.00	0.21	343.65	0.21
8.50	0.29	343.69	0.29
9.00	0.41	343.73	0.41
9.50	0.55	343.77	0.55
10.00	0.72	343.81	0.72
10.50	0.95	343.87	0.95
11.00	1.28	343.93	1.28
11.50	1.93	344.04	1.93
12.00	**6.86**	**344.62**	**6.86**
12.50	**12.86**	**345.22**	**12.86**
13.00	3.77	344.29	3.77
13.50	2.18	344.08	2.18
14.00	1.75	344.02	1.75
14.50	1.46	343.97	1.46
15.00	1.28	343.93	1.28
15.50	1.10	343.90	1.10
16.00	0.93	343.86	0.93
16.50	0.79	343.83	0.79
17.00	0.71	343.81	0.71
17.50	0.63	343.79	0.63
18.00	0.55	343.77	0.55
18.50	0.49	343.75	0.49
19.00	0.47	343.75	0.47
19.50	0.44	343.74	0.44
20.00	0.42	343.73	0.42
20.50	0.40	343.72	0.40
21.00	0.38	343.72	0.38
21.50	0.37	343.71	0.37
22.00	0.35	343.71	0.35
22.50	0.33	343.70	0.33
23.00	0.31	343.69	0.31
23.50	0.30	343.69	0.30
24.00	0.28	343.68	0.28

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

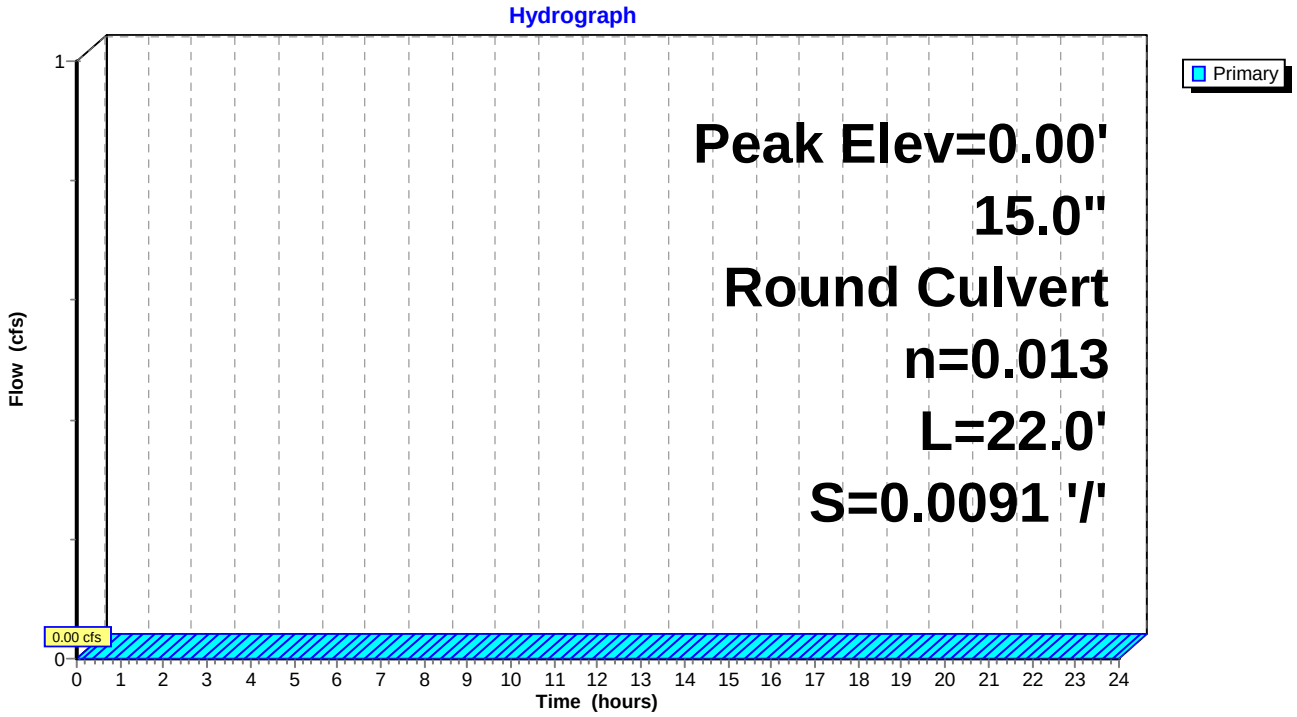
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

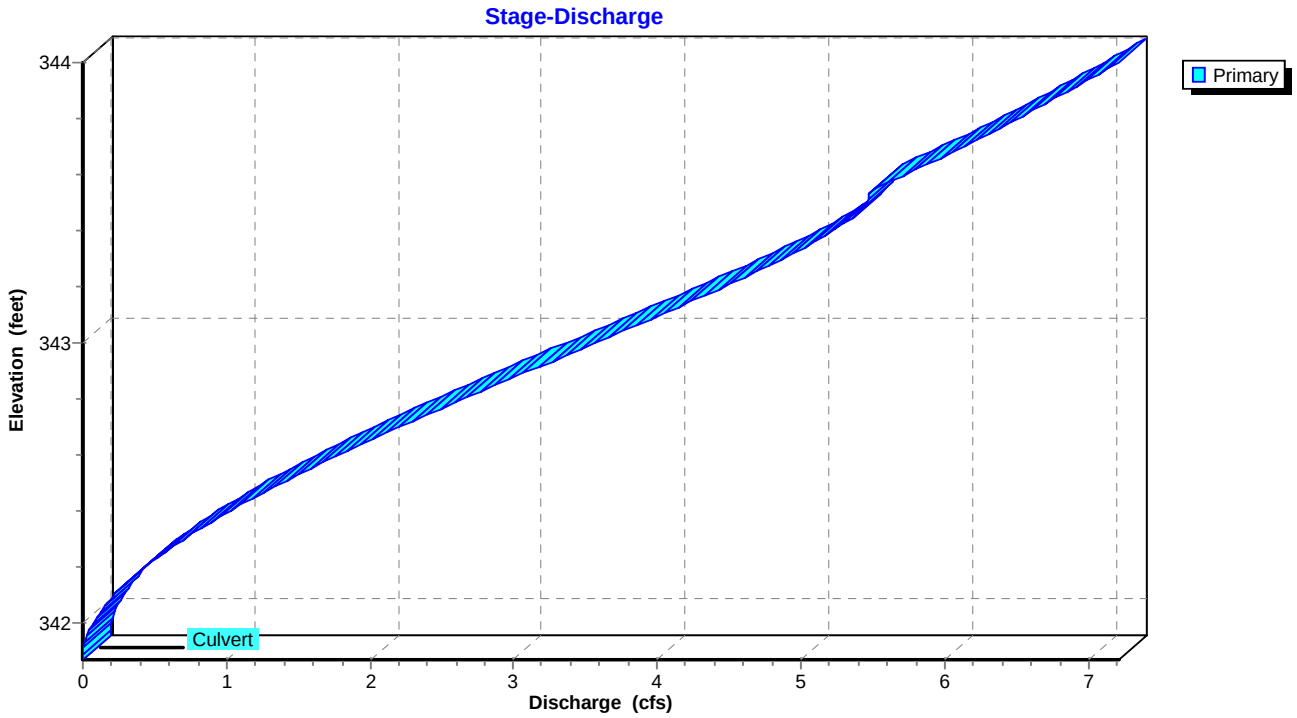
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

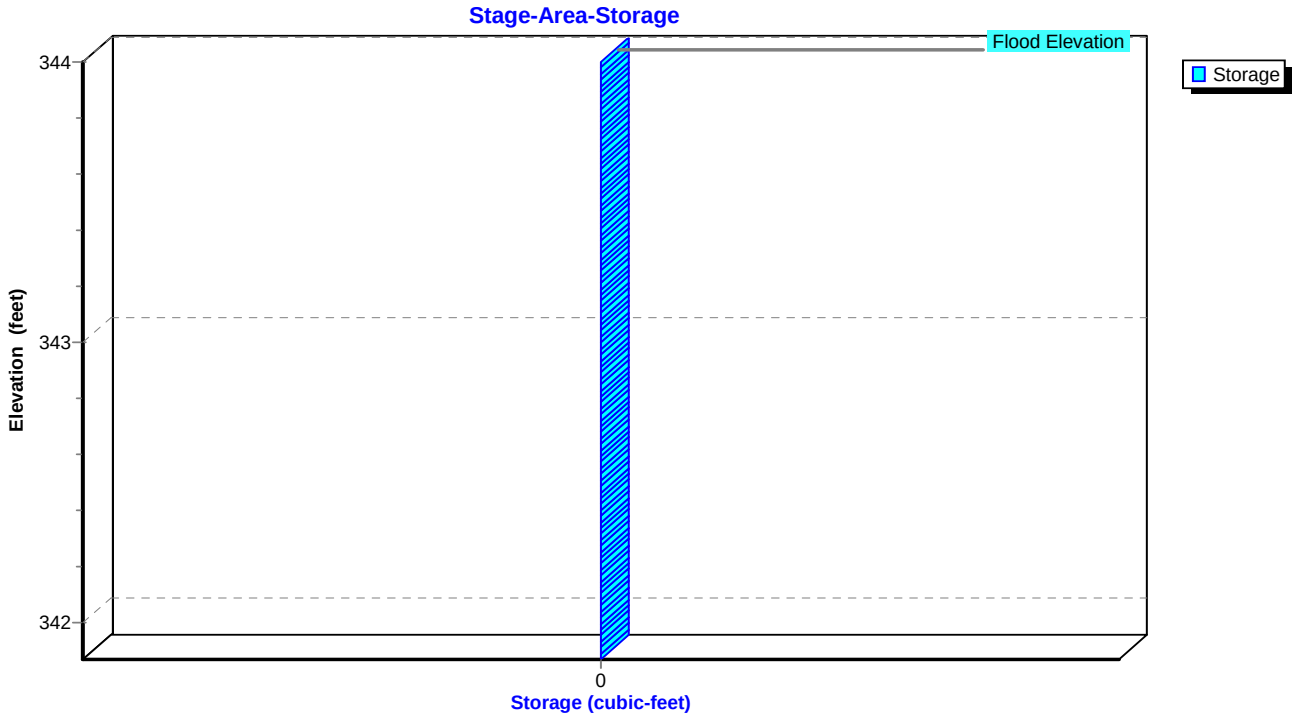
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

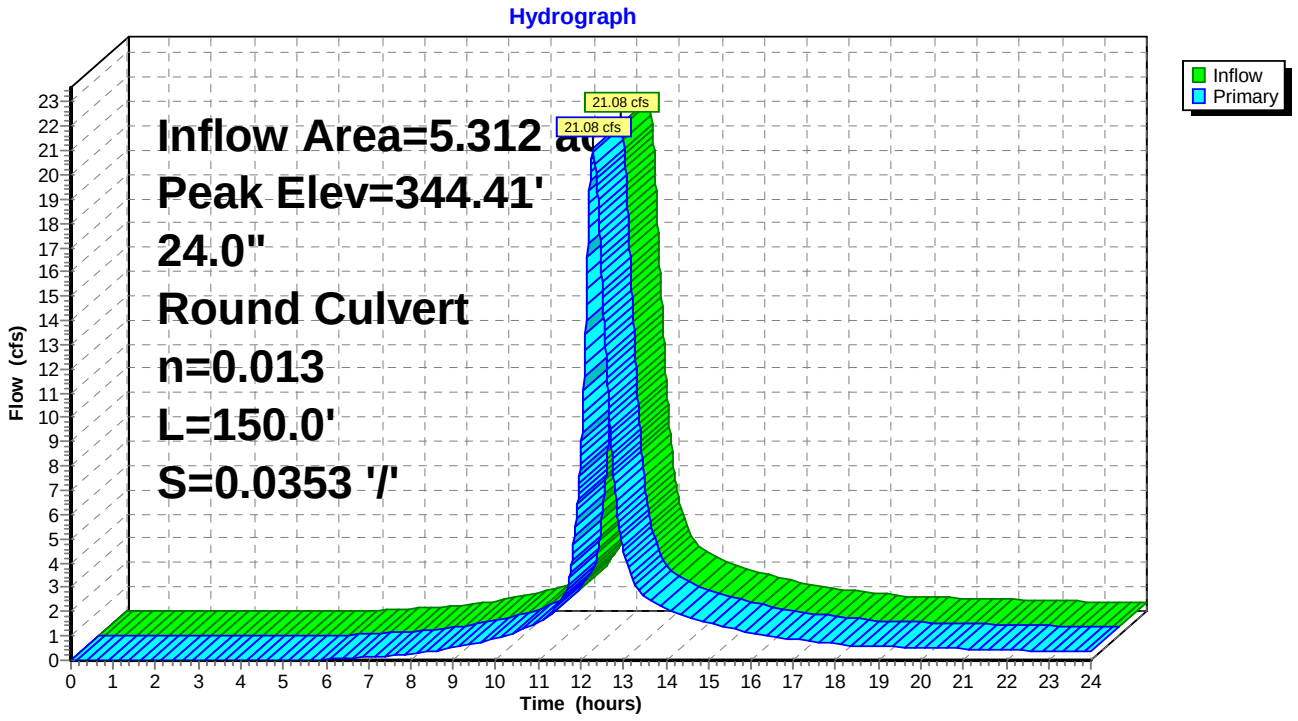
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 5.40" for 100-Year event
Inflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af
Outflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af, Atten= 0%, Lag= 0.0 min
Primary = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.41' @ 12.29 hrs
Flood Elev= 345.00'

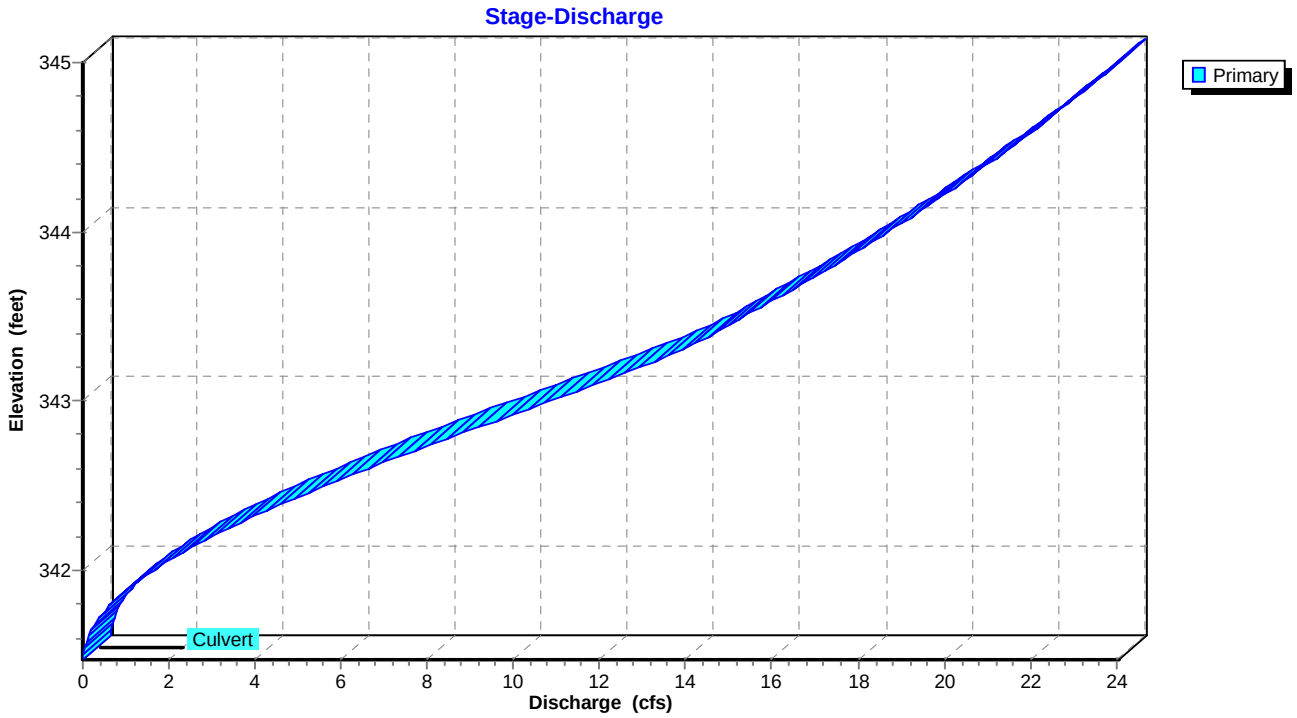
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.07 cfs @ 12.29 hrs HW=344.41' TW=339.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.07 cfs @ 6.71 fps)

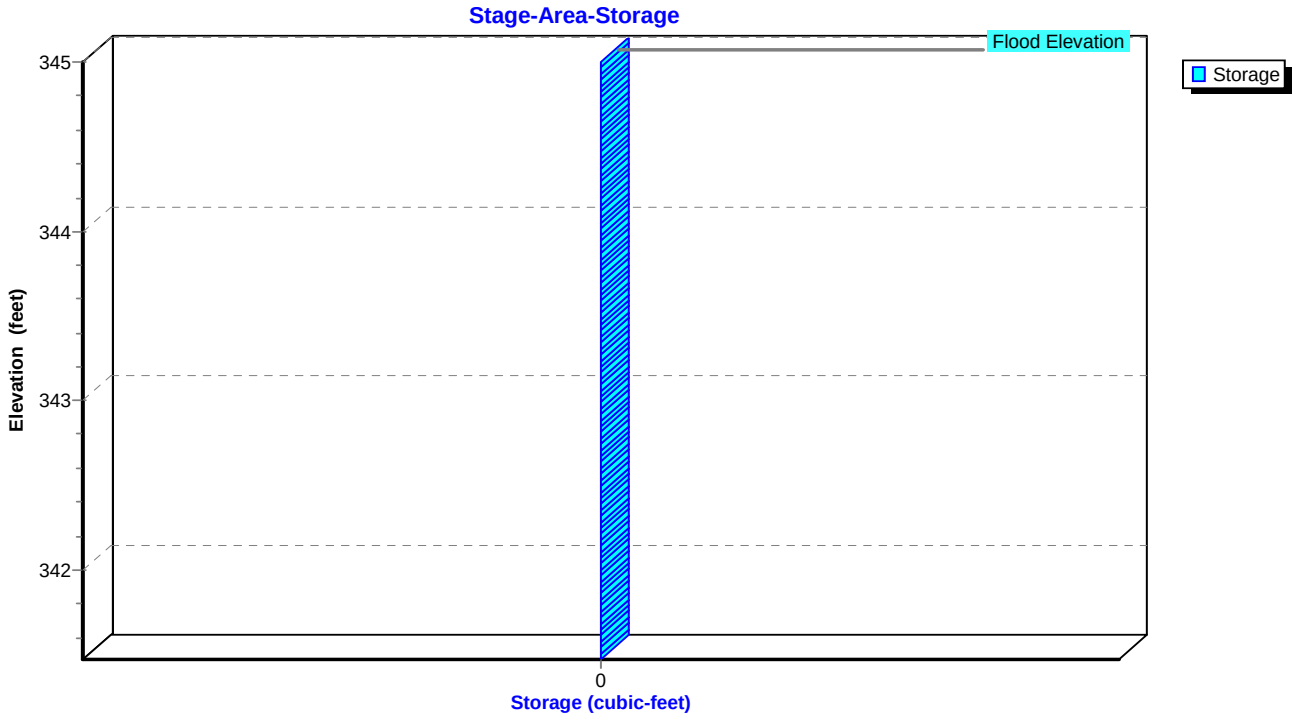
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.48	0.00
5.50	0.01	341.52	0.01
6.00	0.04	341.55	0.04
6.50	0.08	341.58	0.08
7.00	0.13	341.61	0.13
7.50	0.19	341.64	0.19
8.00	0.26	341.68	0.26
8.50	0.36	341.71	0.36
9.00	0.51	341.76	0.51
9.50	0.69	341.81	0.69
10.00	0.89	341.85	0.89
10.50	1.17	341.91	1.17
11.00	1.57	341.99	1.57
11.50	2.37	342.11	2.37
12.00	**8.41**	**342.77**	**8.41**
12.50	**15.59**	**343.53**	**15.59**
13.00	4.54	342.38	4.54
13.50	2.63	342.15	2.63
14.00	2.12	342.07	2.12
14.50	1.76	342.02	1.76
15.00	1.55	341.98	1.55
15.50	1.34	341.94	1.34
16.00	1.12	341.90	1.12
16.50	0.95	341.87	0.95
17.00	0.85	341.85	0.85
17.50	0.76	341.82	0.76
18.00	0.67	341.80	0.67
18.50	0.60	341.78	0.60
19.00	0.57	341.77	0.57
19.50	0.54	341.77	0.54
20.00	0.51	341.76	0.51
20.50	0.49	341.75	0.49
21.00	0.46	341.74	0.46
21.50	0.44	341.74	0.44
22.00	0.42	341.73	0.42
22.50	0.40	341.72	0.40
23.00	0.38	341.72	0.38
23.50	0.36	341.71	0.36
24.00	0.34	341.70	0.34

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

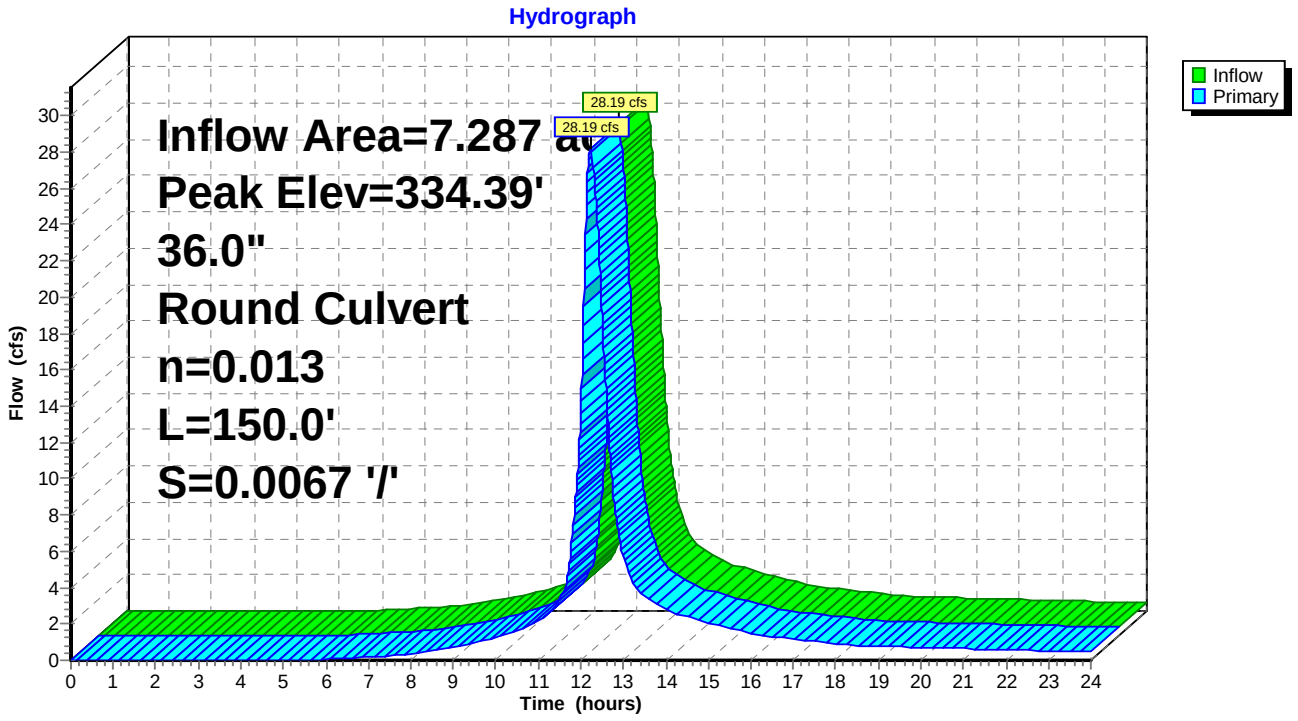
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.39' @ 12.23 hrs
Flood Elev= 337.75'

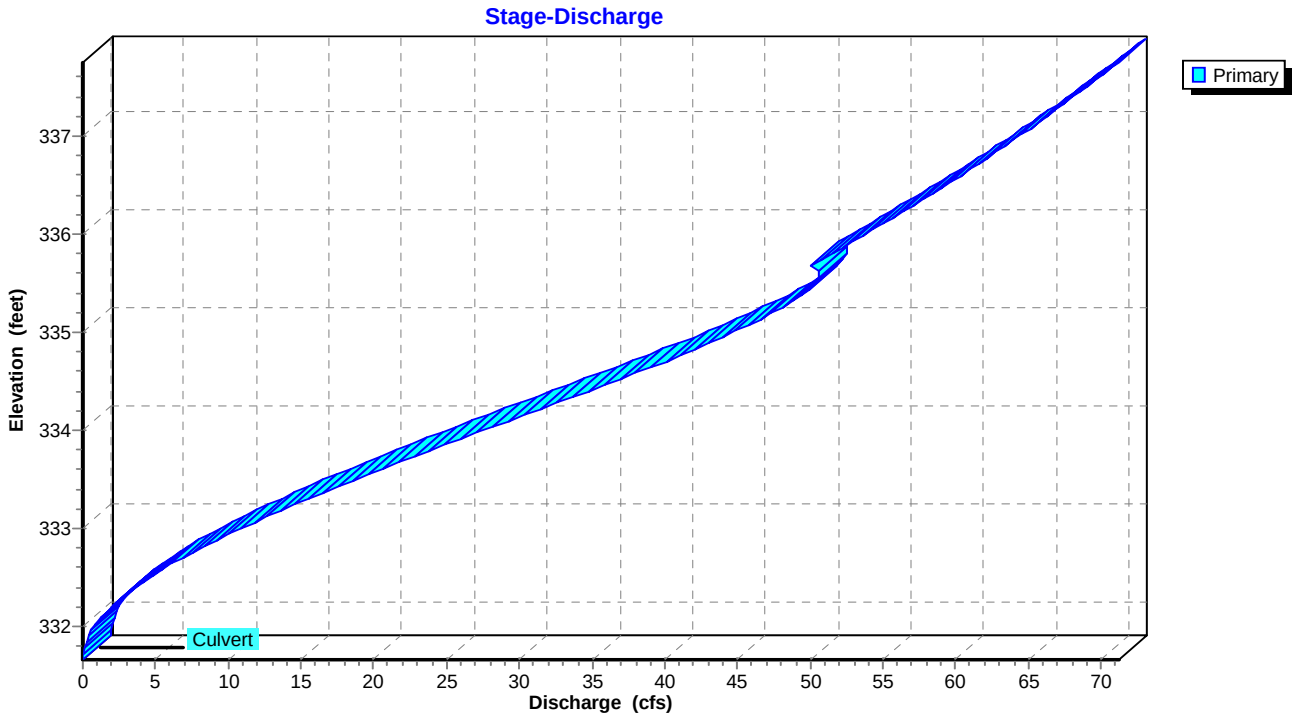
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.24 cfs @ 12.23 hrs HW=334.39' TW=333.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 28.24 cfs @ 5.52 fps)

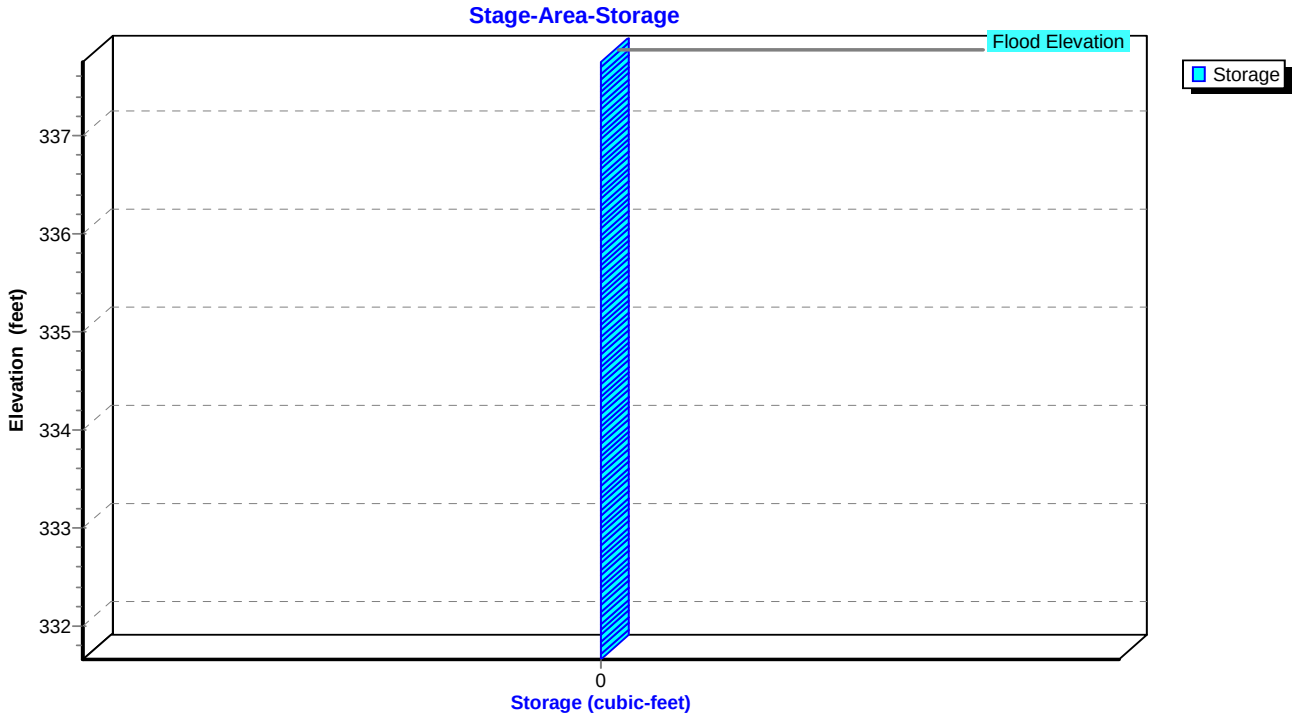
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.69	0.00
5.50	0.01	331.72	0.01
6.00	0.05	331.76	0.05
6.50	0.10	331.80	0.10
7.00	0.17	331.83	0.17
7.50	0.25	331.87	0.25
8.00	0.35	331.90	0.35
8.50	0.50	331.94	0.50
9.00	0.70	331.99	0.70
9.50	0.95	332.05	0.95
10.00	1.23	332.10	1.23
10.50	1.63	332.16	1.63
11.00	2.19	332.24	2.19
11.50	3.39	332.38	3.39
12.00	**13.64**	**333.28**	**13.64**
12.50	**19.03**	**333.66**	**19.03**
13.00	5.72	332.62	5.72
13.50	3.51	332.40	3.51
14.00	2.84	332.32	2.84
14.50	2.38	332.26	2.38
15.00	2.09	332.23	2.09
15.50	1.80	332.19	1.80
16.00	1.51	332.14	1.51
16.50	1.29	332.11	1.29
17.00	1.16	332.08	1.16
17.50	1.03	332.06	1.03
18.00	0.90	332.04	0.90
18.50	0.81	332.02	0.81
19.00	0.77	332.01	0.77
19.50	0.73	332.00	0.73
20.00	0.70	331.99	0.70
20.50	0.66	331.99	0.66
21.00	0.63	331.98	0.63
21.50	0.60	331.97	0.60
22.00	0.57	331.96	0.57
22.50	0.55	331.96	0.55
23.00	0.52	331.95	0.52
23.50	0.49	331.94	0.49
24.00	0.46	331.93	0.46

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

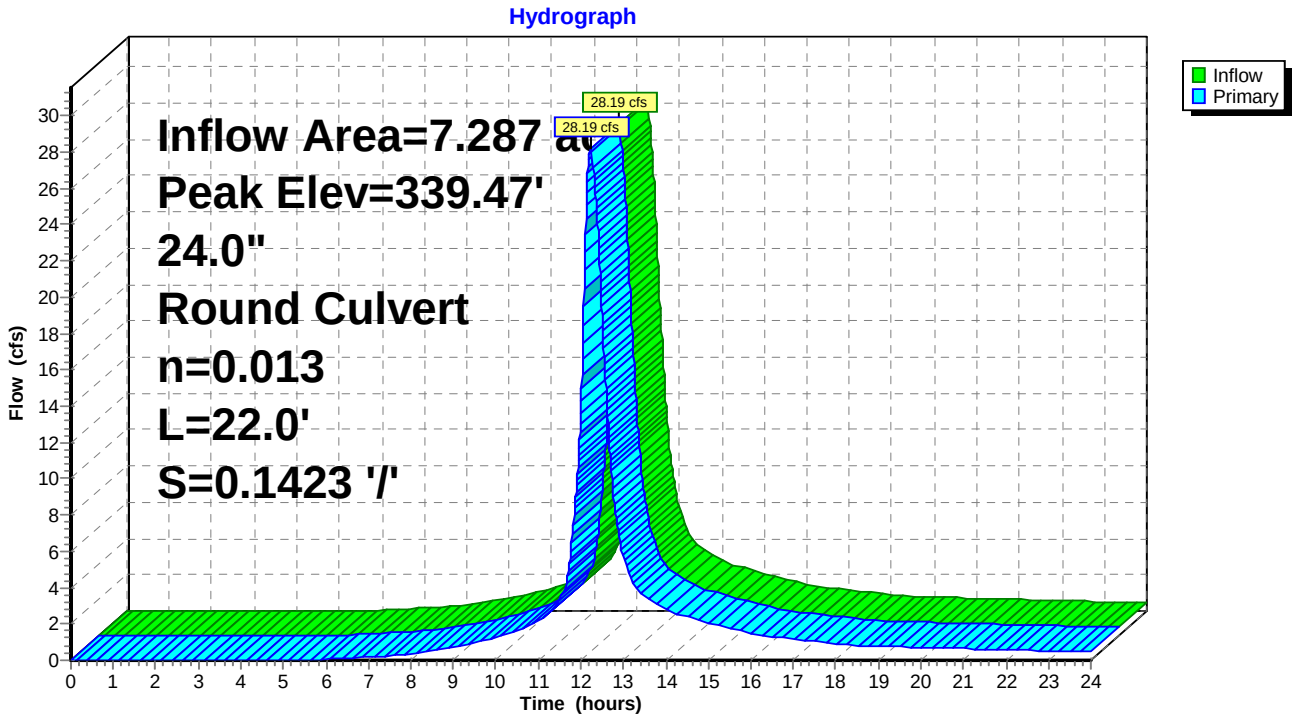
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 339.47' @ 12.23 hrs
Flood Elev= 339.50'

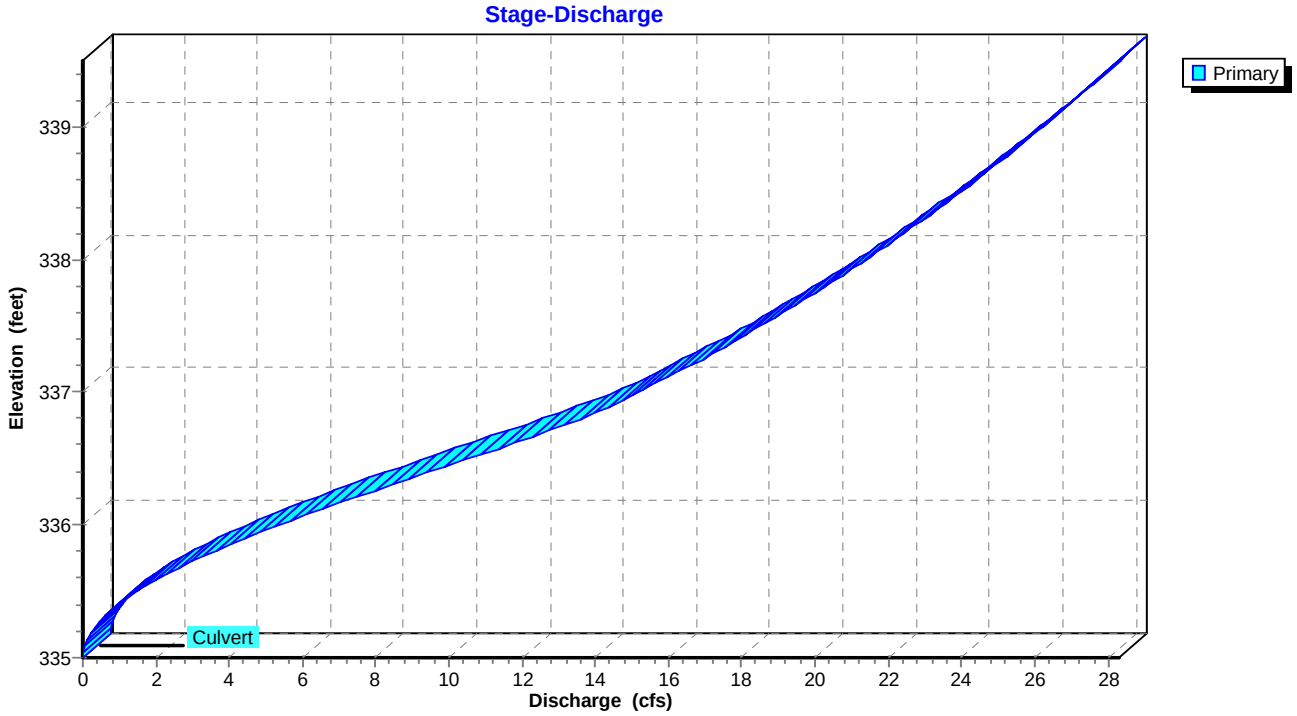
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=28.19 cfs @ 12.23 hrs HW=339.47' TW=334.39' (Dynamic Tailwater)
1=Culvert (Inlet Controls 28.19 cfs @ 8.97 fps)

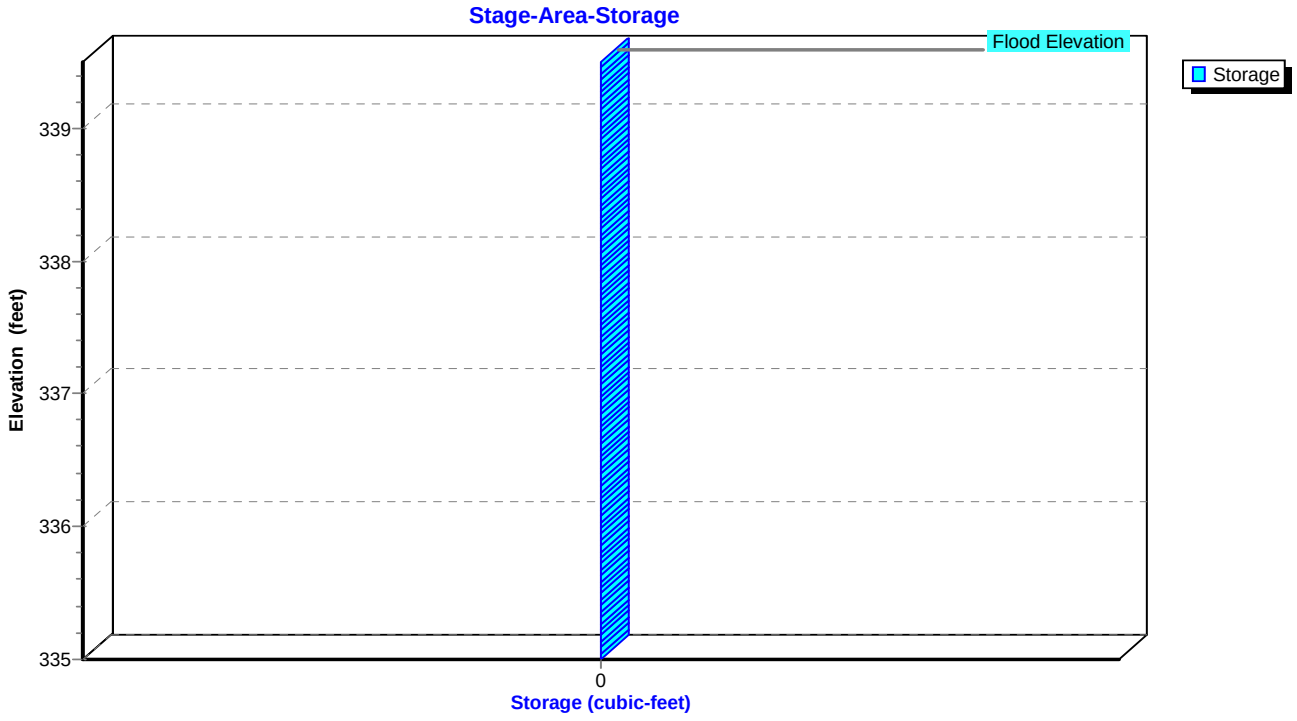
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.01	0.00
5.50	0.01	335.05	0.01
6.00	0.05	335.09	0.05
6.50	0.10	335.13	0.10
7.00	0.17	335.16	0.17
7.50	0.25	335.20	0.25
8.00	0.35	335.24	0.35
8.50	0.50	335.28	0.50
9.00	0.70	335.34	0.70
9.50	0.95	335.40	0.95
10.00	1.23	335.45	1.23
10.50	1.63	335.53	1.63
11.00	2.19	335.61	2.19
11.50	3.39	335.78	3.39
12.00	**13.64**	**336.80**	**13.64**
12.50	**19.03**	**337.58**	**19.03**
13.00	5.72	336.04	5.72
13.50	3.51	335.79	3.51
14.00	2.84	335.71	2.84
14.50	2.38	335.64	2.38
15.00	2.09	335.60	2.09
15.50	1.80	335.55	1.80
16.00	1.51	335.50	1.51
16.50	1.29	335.47	1.29
17.00	1.16	335.44	1.16
17.50	1.03	335.41	1.03
18.00	0.90	335.39	0.90
18.50	0.81	335.37	0.81
19.00	0.77	335.36	0.77
19.50	0.73	335.35	0.73
20.00	0.70	335.34	0.70
20.50	0.66	335.33	0.66
21.00	0.63	335.32	0.63
21.50	0.60	335.31	0.60
22.00	0.57	335.31	0.57
22.50	0.55	335.30	0.55
23.00	0.52	335.29	0.52
23.50	0.49	335.28	0.49
24.00	0.46	335.27	0.46

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

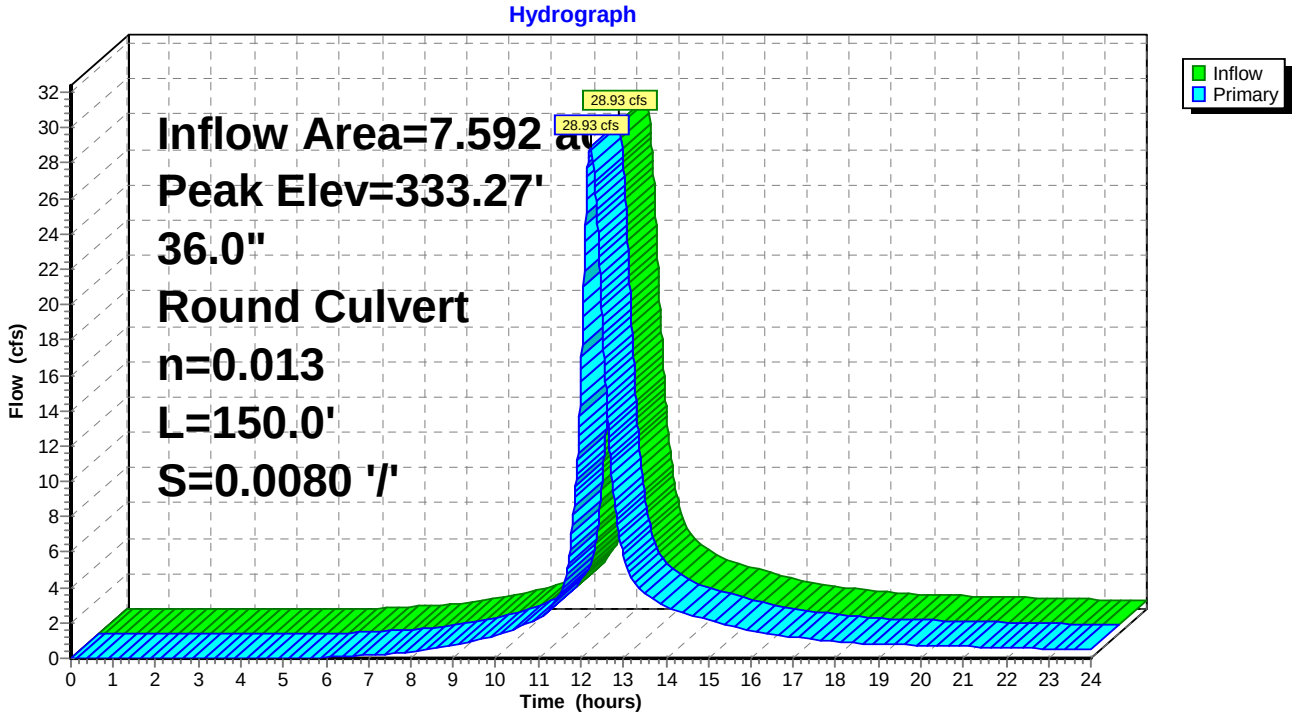
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 5.35" for 100-Year event
Inflow = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af
Outflow = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af, Atten= 0%, Lag= 0.0 min
Primary = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.27' @ 12.22 hrs
Flood Elev= 335.00'

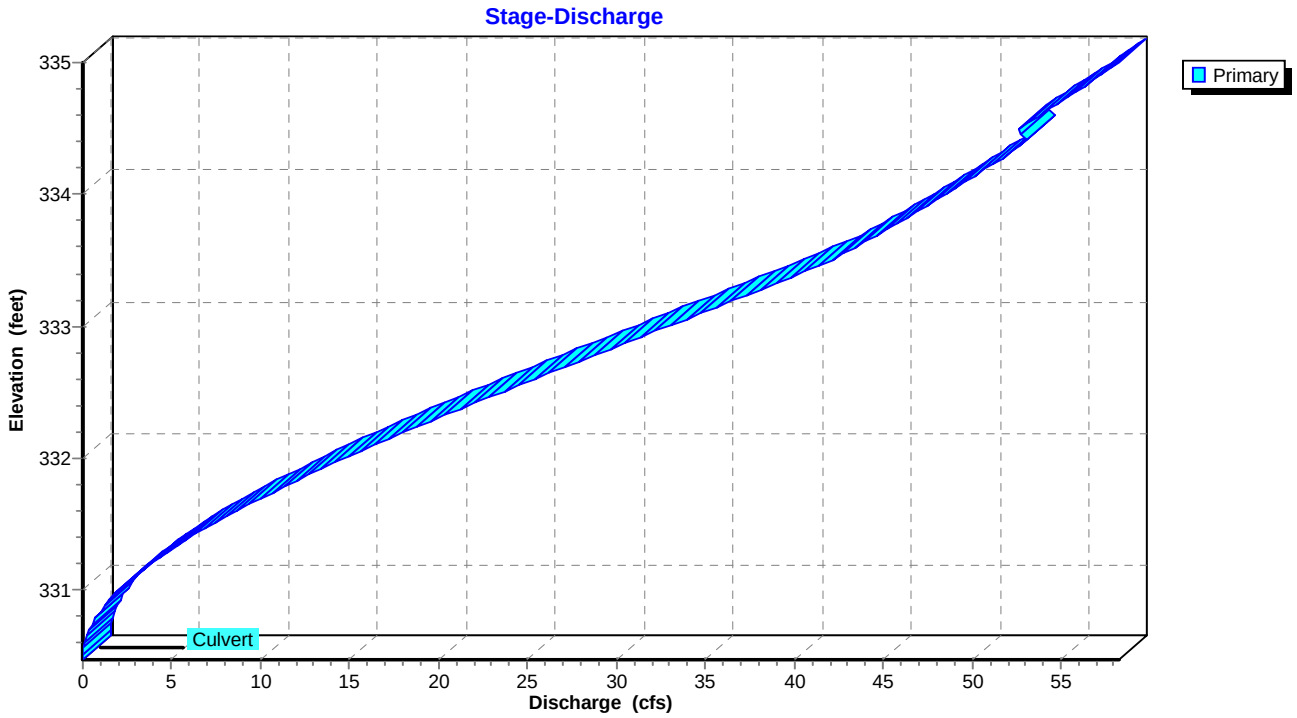
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.10 cfs @ 12.22 hrs HW=333.27' TW=332.15' (Dynamic Tailwater)
1=Culvert (Outlet Controls 29.10 cfs @ 5.52 fps)

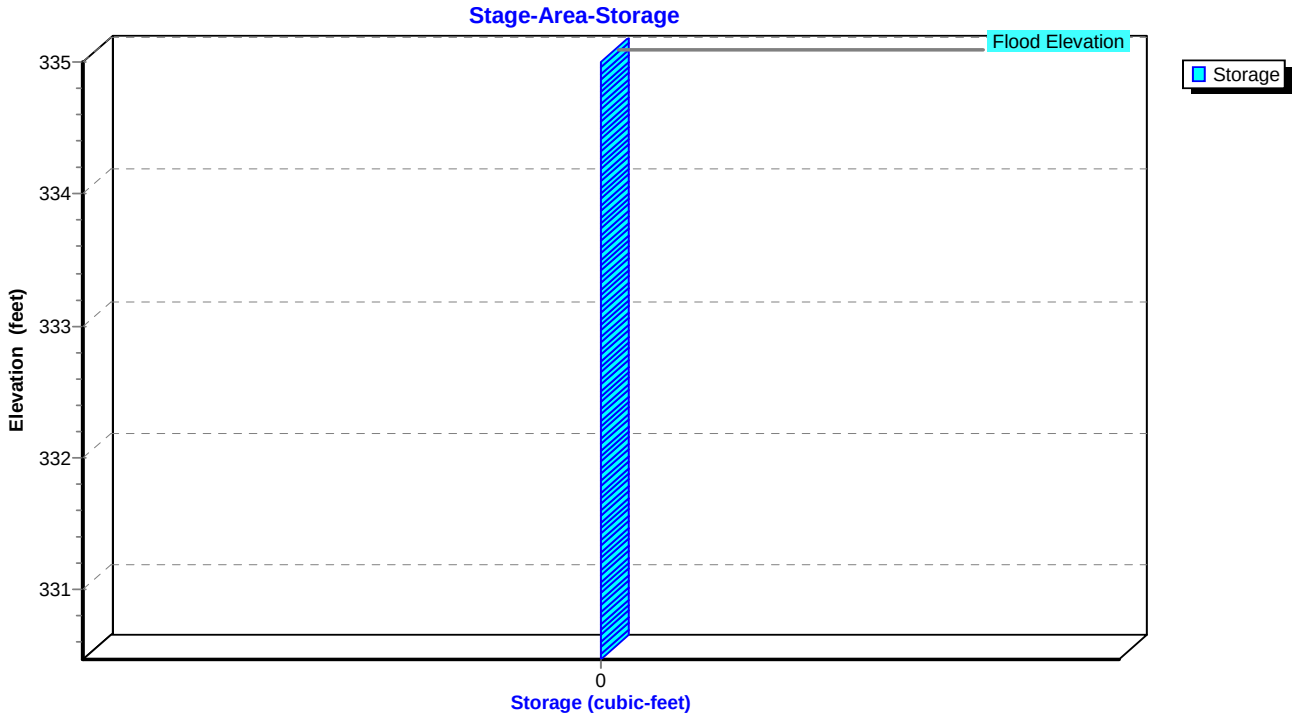
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.49	0.00
5.50	0.01	330.52	0.01
6.00	0.05	330.56	0.05
6.50	0.10	330.59	0.10
7.00	0.17	330.63	0.17
7.50	0.26	330.66	0.26
8.00	0.37	330.70	0.37
8.50	0.51	330.74	0.51
9.00	0.73	330.79	0.73
9.50	0.98	330.84	0.98
10.00	1.28	330.89	1.28
10.50	1.69	330.95	1.69
11.00	2.28	331.03	2.28
11.50	3.56	331.18	3.56
12.00	**15.62**	**332.17**	**15.62**
12.50	**19.30**	**332.45**	**19.30**
13.00	5.87	331.40	5.87
13.50	3.64	331.19	3.64
14.00	2.94	331.11	2.94
14.50	2.47	331.05	2.47
15.00	2.17	331.01	2.17
15.50	1.86	330.97	1.86
16.00	1.56	330.93	1.56
16.50	1.34	330.90	1.34
17.00	1.20	330.87	1.20
17.50	1.07	330.85	1.07
18.00	0.93	330.83	0.93
18.50	0.85	330.81	0.85
19.00	0.80	330.80	0.80
19.50	0.76	330.79	0.76
20.00	0.72	330.79	0.72
20.50	0.69	330.78	0.69
21.00	0.66	330.77	0.66
21.50	0.63	330.76	0.63
22.00	0.60	330.76	0.60
22.50	0.57	330.75	0.57
23.00	0.54	330.74	0.54
23.50	0.51	330.74	0.51
24.00	0.48	330.73	0.48

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

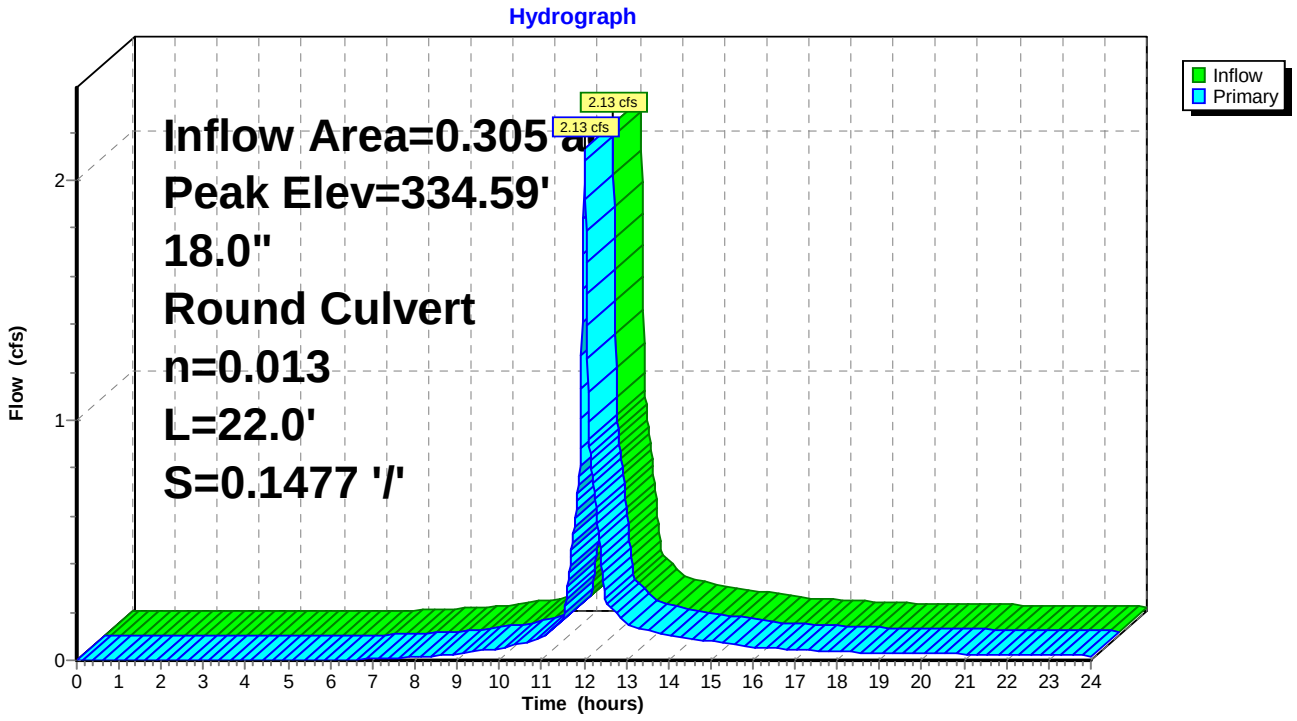
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af
Outflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.59' @ 12.02 hrs
Flood Elev= 336.50'

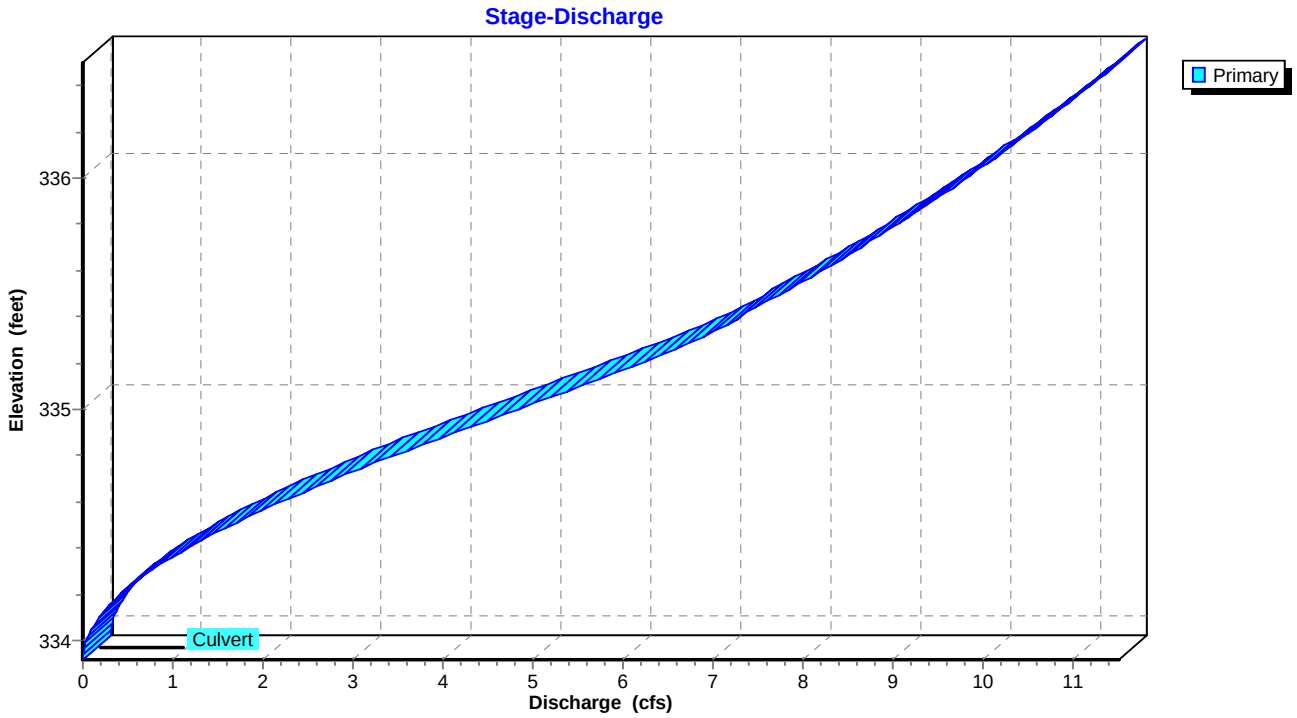
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.12 cfs @ 12.02 hrs HW=334.59' TW=332.26' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.12 cfs @ 2.78 fps)

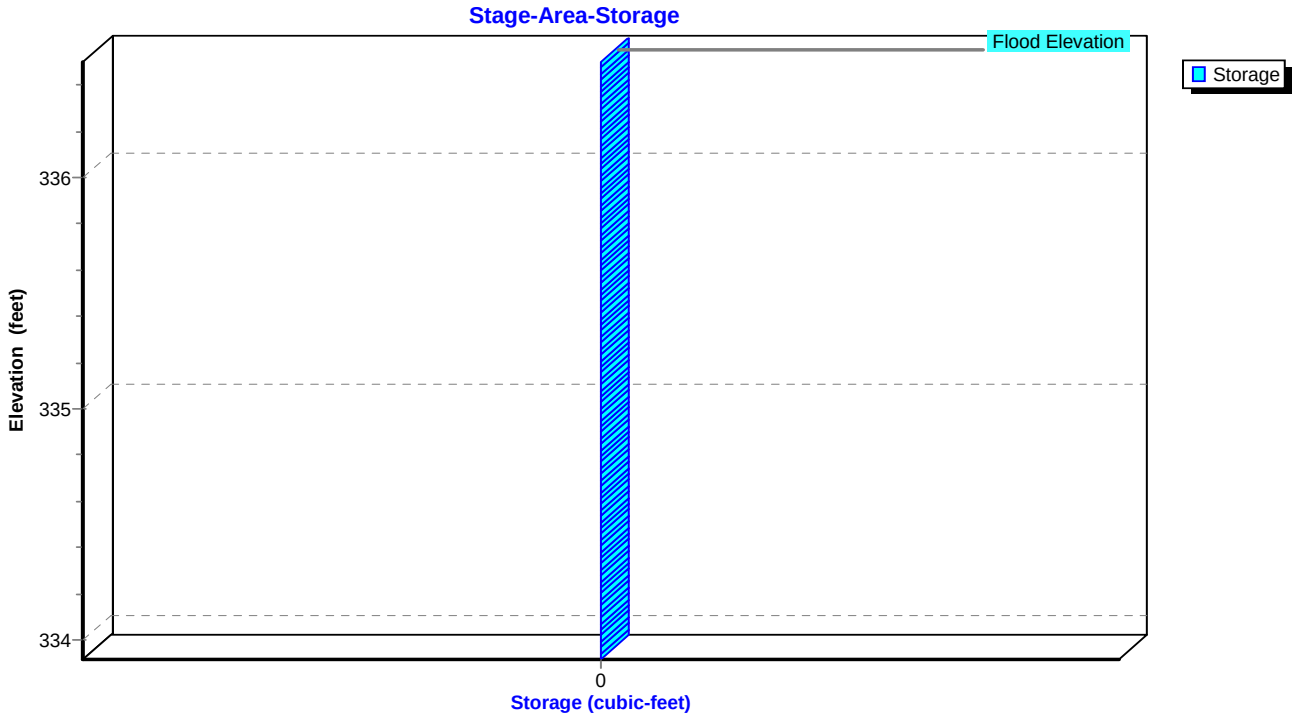
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.93	0.00
6.50	0.00	333.94	0.00
7.00	0.00	333.95	0.00
7.50	0.01	333.96	0.01
8.00	0.01	333.97	0.01
8.50	0.02	333.98	0.02
9.00	0.03	333.99	0.03
9.50	0.04	334.00	0.04
10.00	0.05	334.01	0.05
10.50	0.07	334.03	0.07
11.00	0.09	334.05	0.09
11.50	0.17	334.10	0.17
12.00	**1.98**	**334.56**	**1.98**
12.50	**0.27**	**334.14**	**0.27**
13.00	0.15	334.09	0.15
13.50	0.13	334.07	0.13
14.00	0.10	334.06	0.10
14.50	0.09	334.05	0.09
15.00	0.08	334.04	0.08
15.50	0.07	334.03	0.07
16.00	0.05	334.02	0.05
16.50	0.05	334.02	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.00	0.04
18.00	0.03	334.00	0.03
18.50	0.03	334.00	0.03
19.00	0.03	333.99	0.03
19.50	0.03	333.99	0.03
20.00	0.03	333.99	0.03
20.50	0.03	333.99	0.03
21.00	0.03	333.99	0.03
21.50	0.02	333.99	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

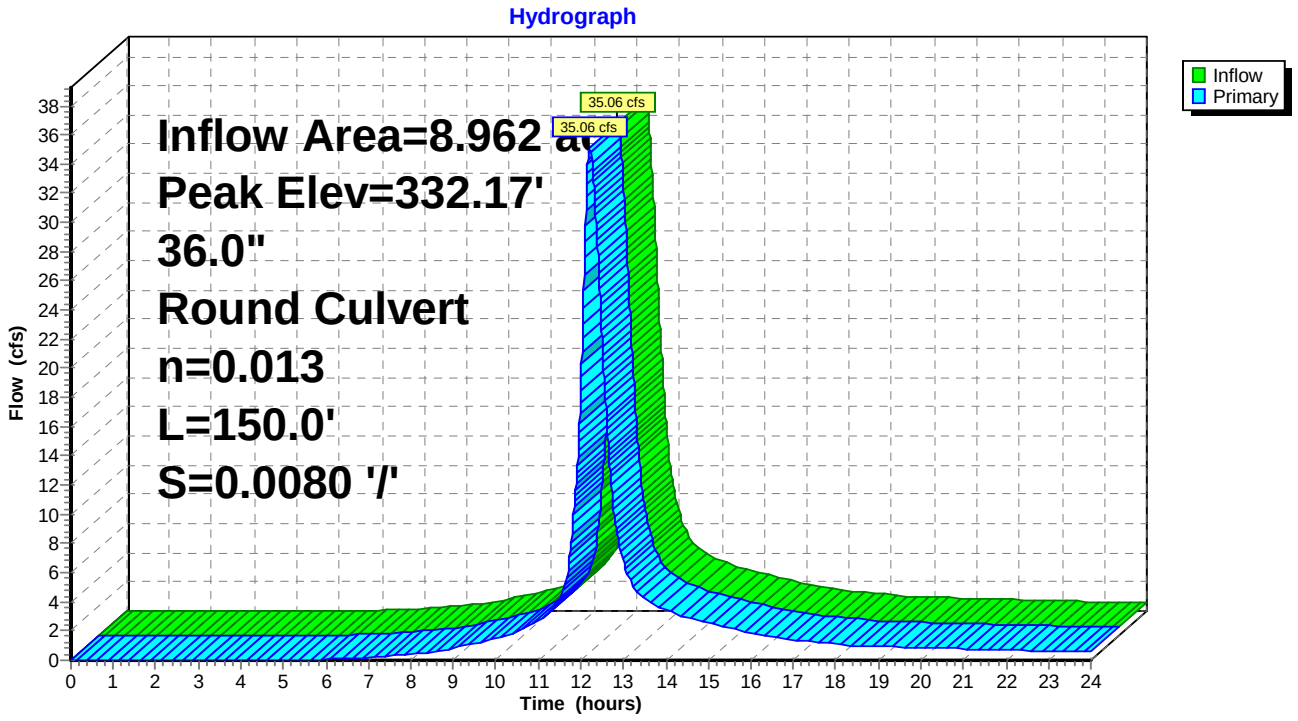
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 5.30" for 100-Year event
Inflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af
Outflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af, Atten= 0%, Lag= 0.0 min
Primary = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.17' @ 12.20 hrs
Flood Elev= 337.00'

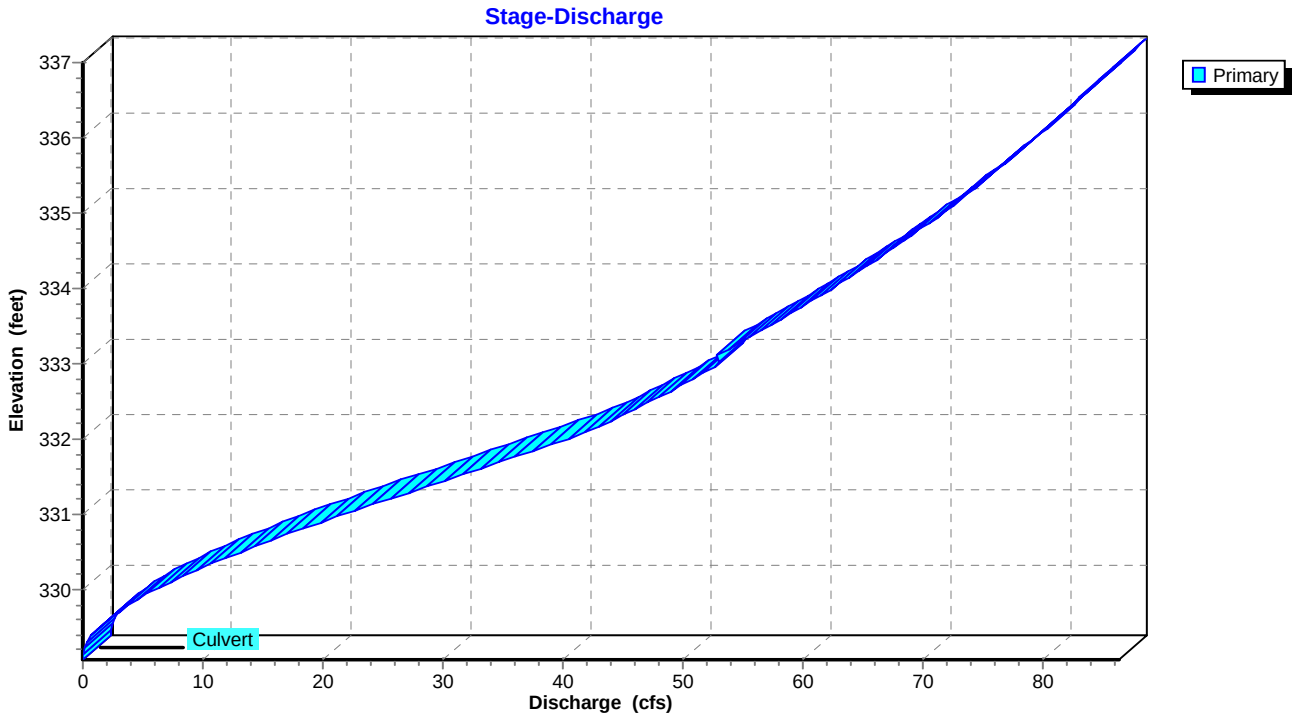
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=35.29 cfs @ 12.21 hrs HW=332.17' TW=330.85' (Dynamic Tailwater)
1=Culvert (Outlet Controls 35.29 cfs @ 6.01 fps)

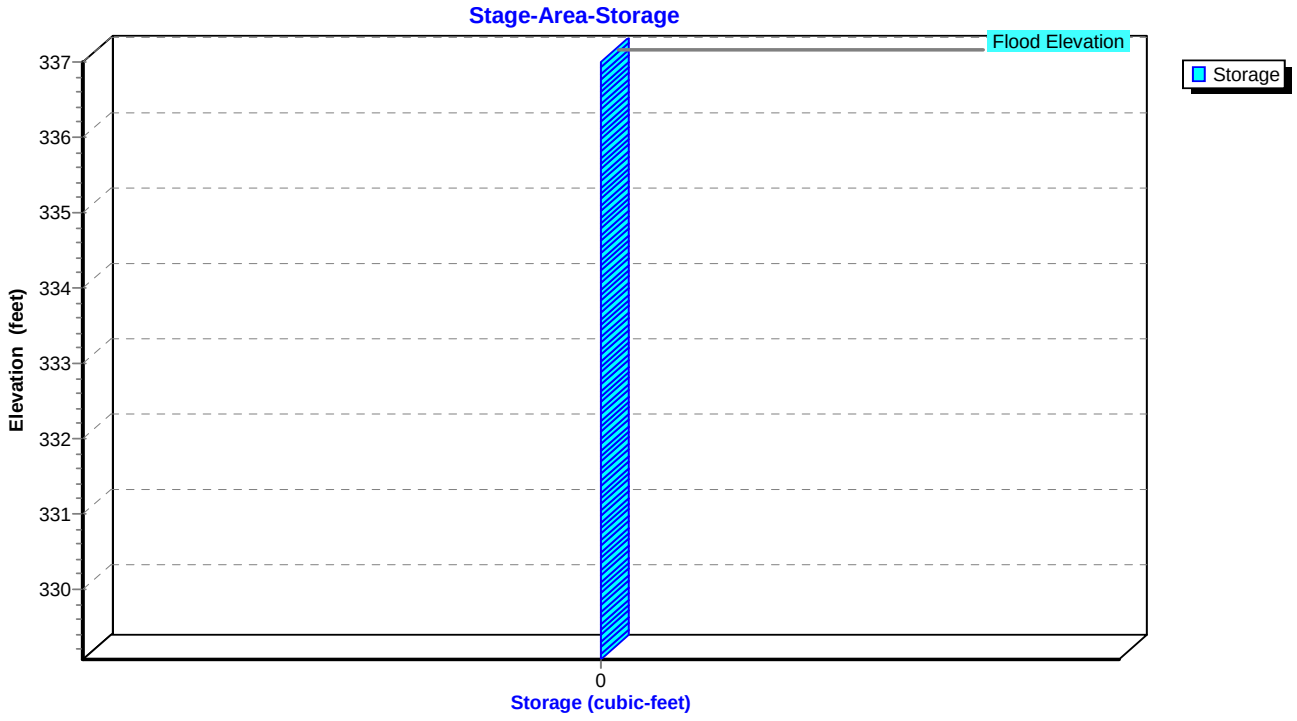
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.09	0.00
5.50	0.01	329.12	0.01
6.00	0.05	329.16	0.05
6.50	0.11	329.20	0.11
7.00	0.19	329.24	0.19
7.50	0.29	329.27	0.29
8.00	0.41	329.31	0.41
8.50	0.59	329.36	0.59
9.00	0.83	329.41	0.83
9.50	1.13	329.46	1.13
10.00	1.48	329.52	1.48
10.50	1.97	329.59	1.97
11.00	2.66	329.67	2.66
11.50	4.18	329.84	4.18
12.00	**18.54**	**330.96**	**18.54**
12.50	**22.05**	**331.19**	**22.05**
13.00	6.72	330.07	6.72
13.50	4.24	329.85	4.24
14.00	3.44	329.76	3.44
14.50	2.90	329.70	2.90
15.00	2.54	329.66	2.54
15.50	2.18	329.62	2.18
16.00	1.83	329.57	1.83
16.50	1.57	329.53	1.57
17.00	1.41	329.51	1.41
17.50	1.25	329.48	1.25
18.00	1.10	329.46	1.10
18.50	0.99	329.44	0.99
19.00	0.94	329.43	0.94
19.50	0.90	329.42	0.90
20.00	0.85	329.41	0.85
20.50	0.81	329.40	0.81
21.00	0.77	329.40	0.77
21.50	0.74	329.39	0.74
22.00	0.70	329.38	0.70
22.50	0.67	329.37	0.67
23.00	0.63	329.37	0.63
23.50	0.60	329.36	0.60
24.00	0.56	329.35	0.56

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

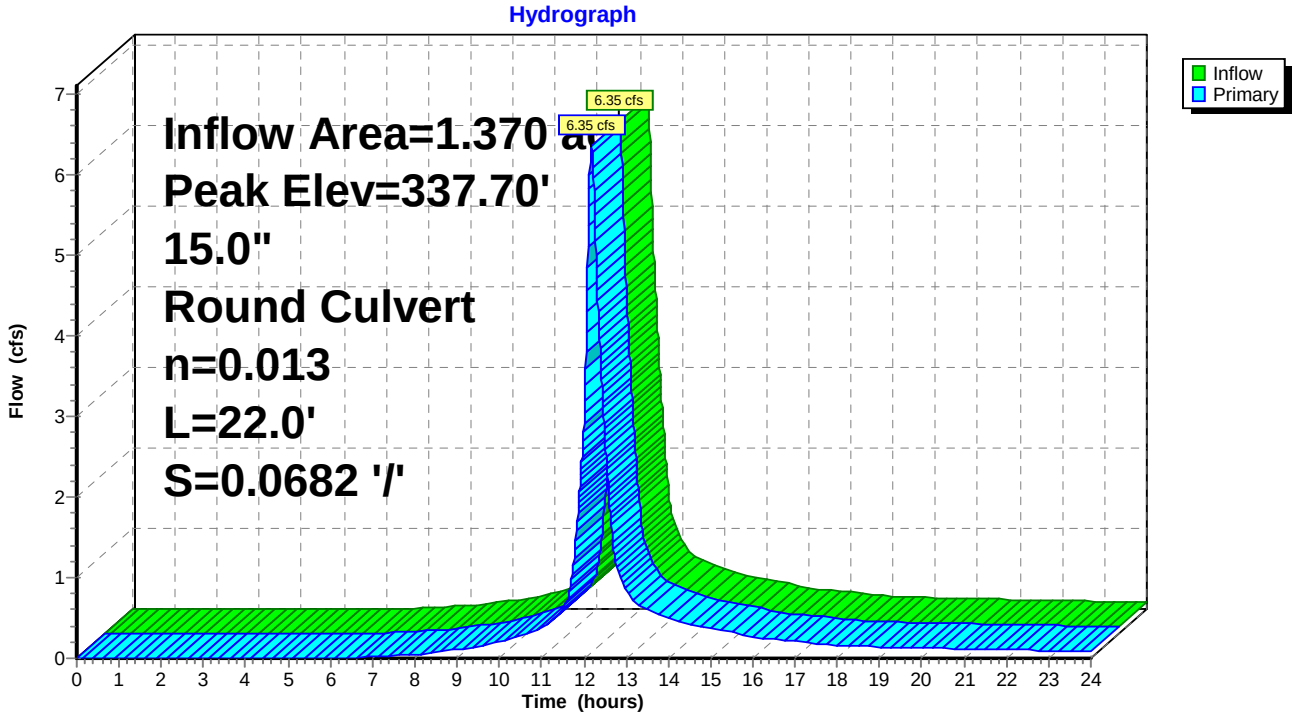
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 5.03" for 100-Year event
Inflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af
Outflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af, Atten= 0%, Lag= 0.0 min
Primary = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.70' @ 12.18 hrs
Flood Elev= 338.50'

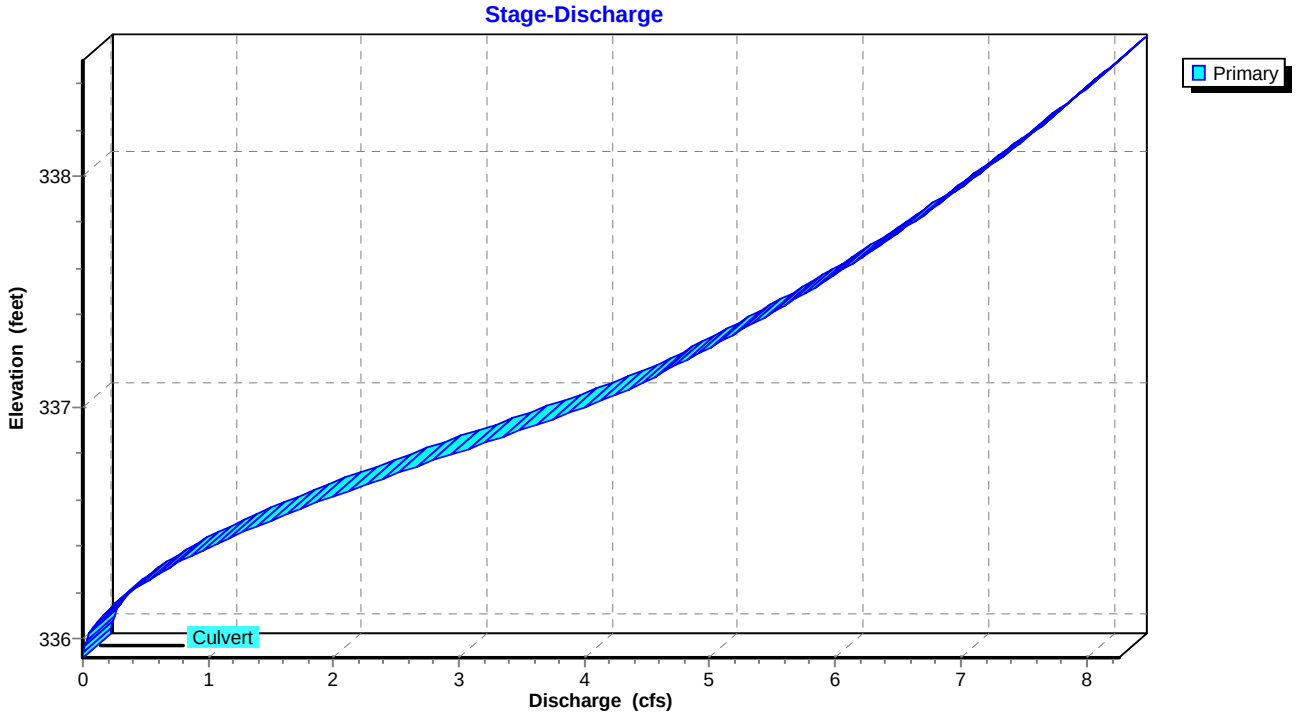
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.35 cfs @ 12.18 hrs HW=337.70' TW=332.16' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.35 cfs @ 5.17 fps)

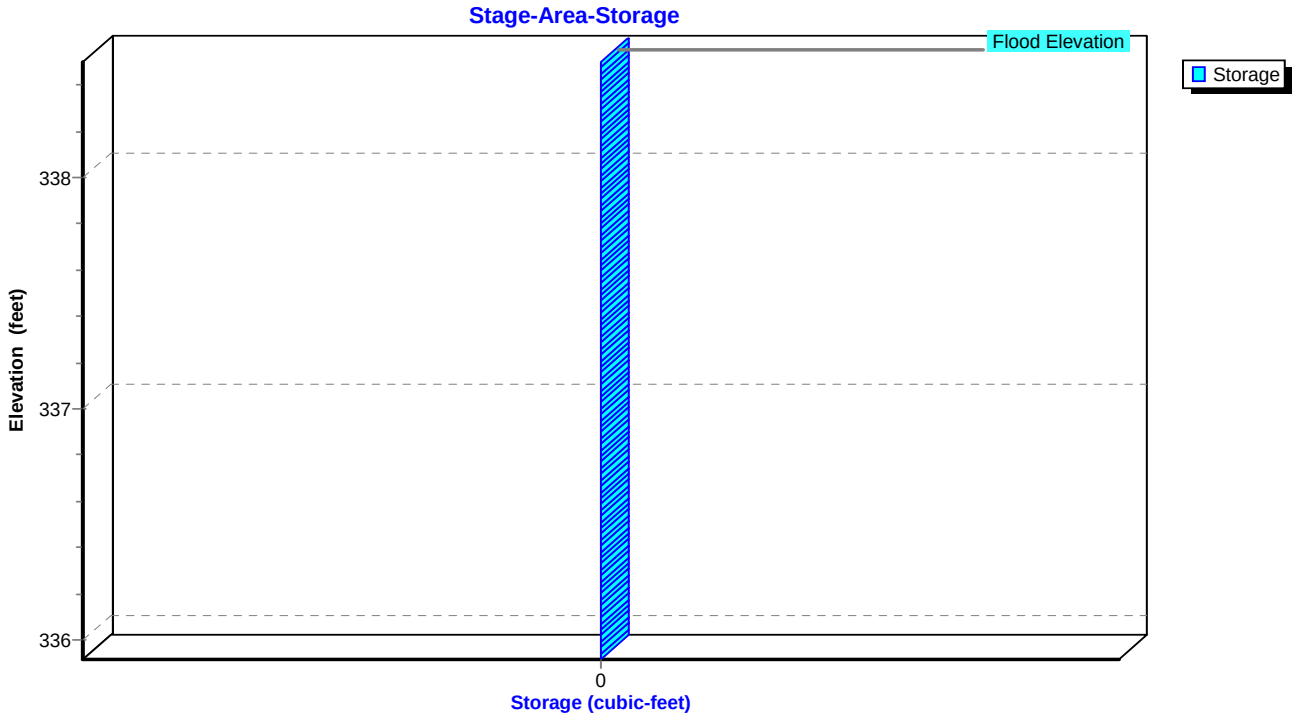
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.01	335.95	0.01
7.00	0.02	335.98	0.02
7.50	0.03	336.00	0.03
8.00	0.05	336.02	0.05
8.50	0.07	336.04	0.07
9.00	0.11	336.07	0.11
9.50	0.15	336.10	0.15
10.00	0.20	336.12	0.20
10.50	0.27	336.16	0.27
11.00	0.38	336.20	0.38
11.50	0.62	336.29	0.62
12.00	**2.91**	**336.79**	**2.91**
12.50	**2.75**	**336.76**	**2.75**
13.00	0.85	336.35	0.85
13.50	0.61	336.28	0.61
14.00	0.50	336.25	0.50
14.50	0.42	336.22	0.42
15.00	0.37	336.20	0.37
15.50	0.32	336.18	0.32
16.00	0.27	336.16	0.27
16.50	0.23	336.14	0.23
17.00	0.21	336.13	0.21
17.50	0.18	336.12	0.18
18.00	0.16	336.10	0.16
18.50	0.15	336.09	0.15
19.00	0.14	336.09	0.14
19.50	0.13	336.09	0.13
20.00	0.13	336.08	0.13
20.50	0.12	336.08	0.12
21.00	0.12	336.07	0.12
21.50	0.11	336.07	0.11
22.00	0.10	336.07	0.10
22.50	0.10	336.06	0.10
23.00	0.09	336.06	0.09
23.50	0.09	336.05	0.09
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

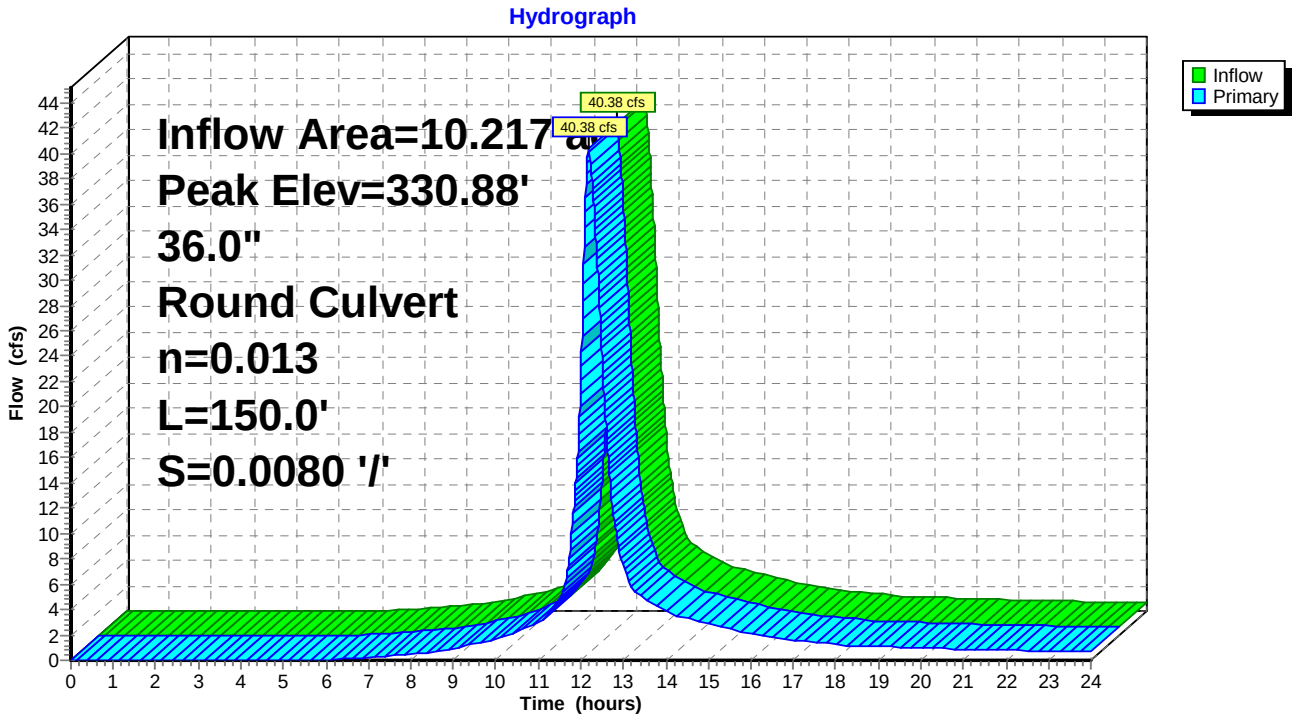
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af
Outflow = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af, Atten= 0%, Lag= 0.0 min
Primary = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.88' @ 12.18 hrs
Flood Elev= 335.75'

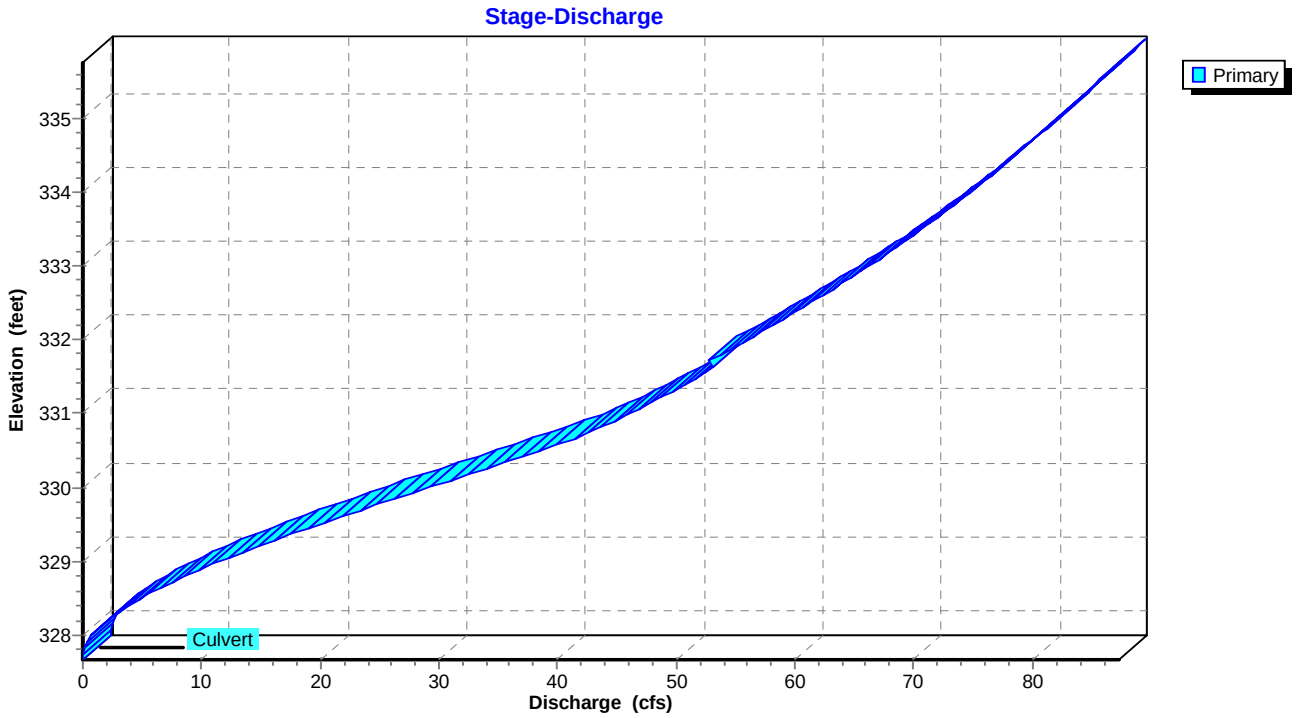
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=40.34 cfs @ 12.18 hrs HW=330.88' TW=329.28' (Dynamic Tailwater)
1=Culvert (Outlet Controls 40.34 cfs @ 6.64 fps)

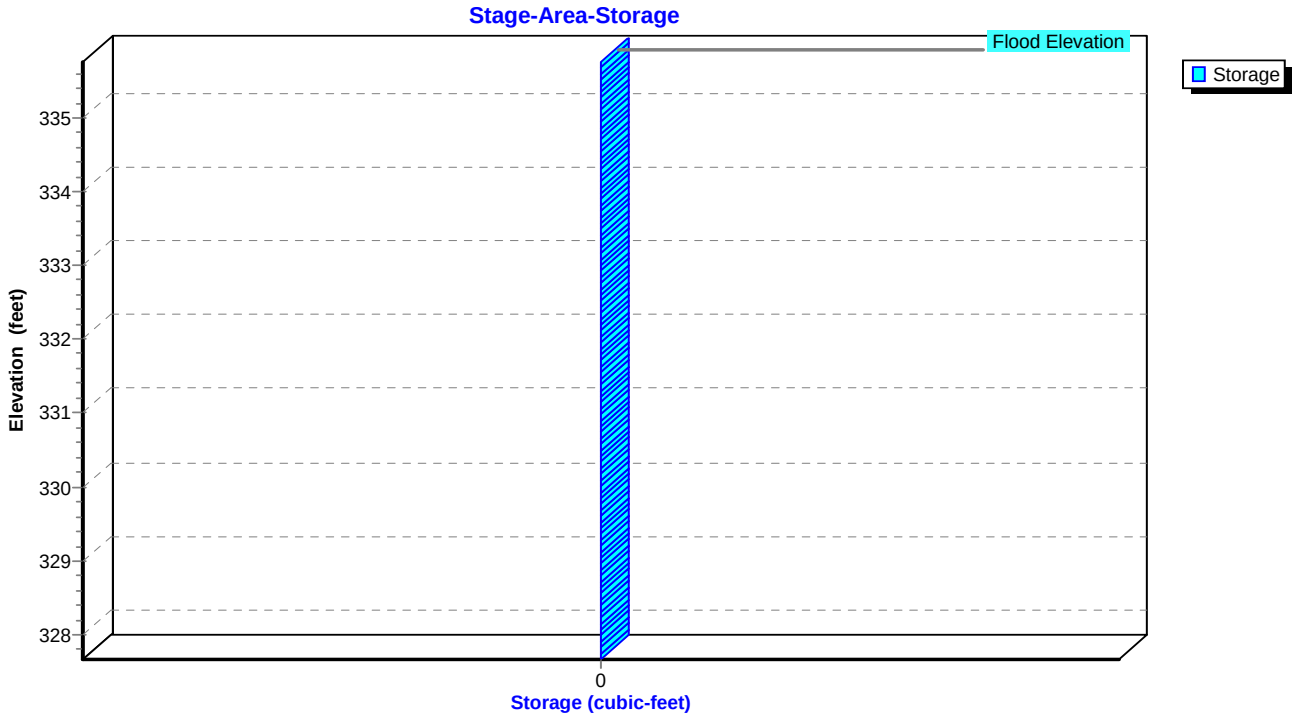
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.69	0.00
5.50	0.01	327.72	0.01
6.00	0.05	327.76	0.05
6.50	0.12	327.80	0.12
7.00	0.21	327.84	0.21
7.50	0.32	327.88	0.32
8.00	0.46	327.92	0.46
8.50	0.66	327.97	0.66
9.00	0.94	328.03	0.94
9.50	1.28	328.09	1.28
10.00	1.67	328.15	1.67
10.50	2.23	328.22	2.23
11.00	3.02	328.31	3.02
11.50	4.80	328.49	4.80
12.00	**22.09**	**329.73**	**22.09**
12.50	**23.97**	**329.82**	**23.97**
13.00	7.43	328.72	7.43
13.50	4.78	328.49	4.78
14.00	3.88	328.40	3.88
14.50	3.28	328.34	3.28
15.00	2.87	328.30	2.87
15.50	2.47	328.25	2.47
16.00	2.06	328.20	2.06
16.50	1.78	328.16	1.78
17.00	1.60	328.14	1.60
17.50	1.42	328.11	1.42
18.00	1.24	328.08	1.24
18.50	1.13	328.06	1.13
19.00	1.07	328.05	1.07
19.50	1.02	328.04	1.02
20.00	0.96	328.03	0.96
20.50	0.92	328.02	0.92
21.00	0.88	328.02	0.88
21.50	0.84	328.01	0.84
22.00	0.80	328.00	0.80
22.50	0.76	327.99	0.76
23.00	0.72	327.98	0.72
23.50	0.68	327.98	0.68
24.00	0.64	327.97	0.64

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

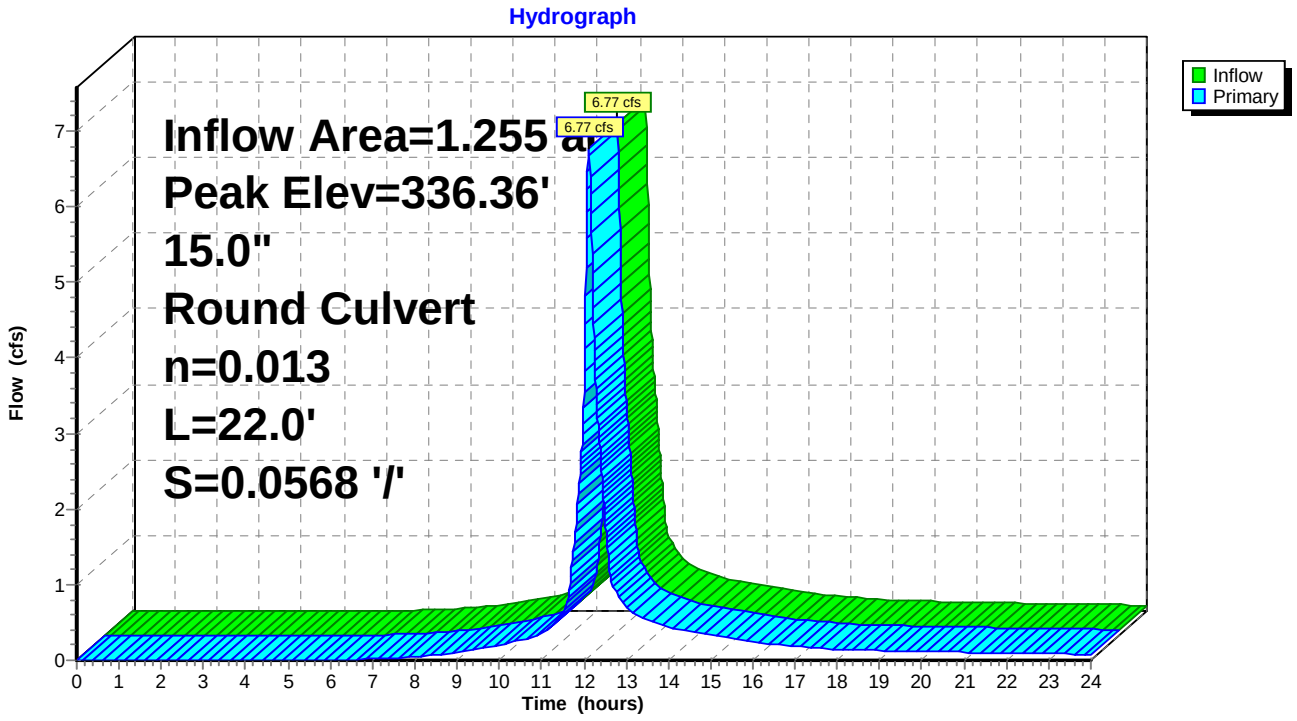
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af
Outflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af, Atten= 0%, Lag= 0.0 min
Primary = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.36' @ 12.12 hrs
Flood Elev= 337.00'

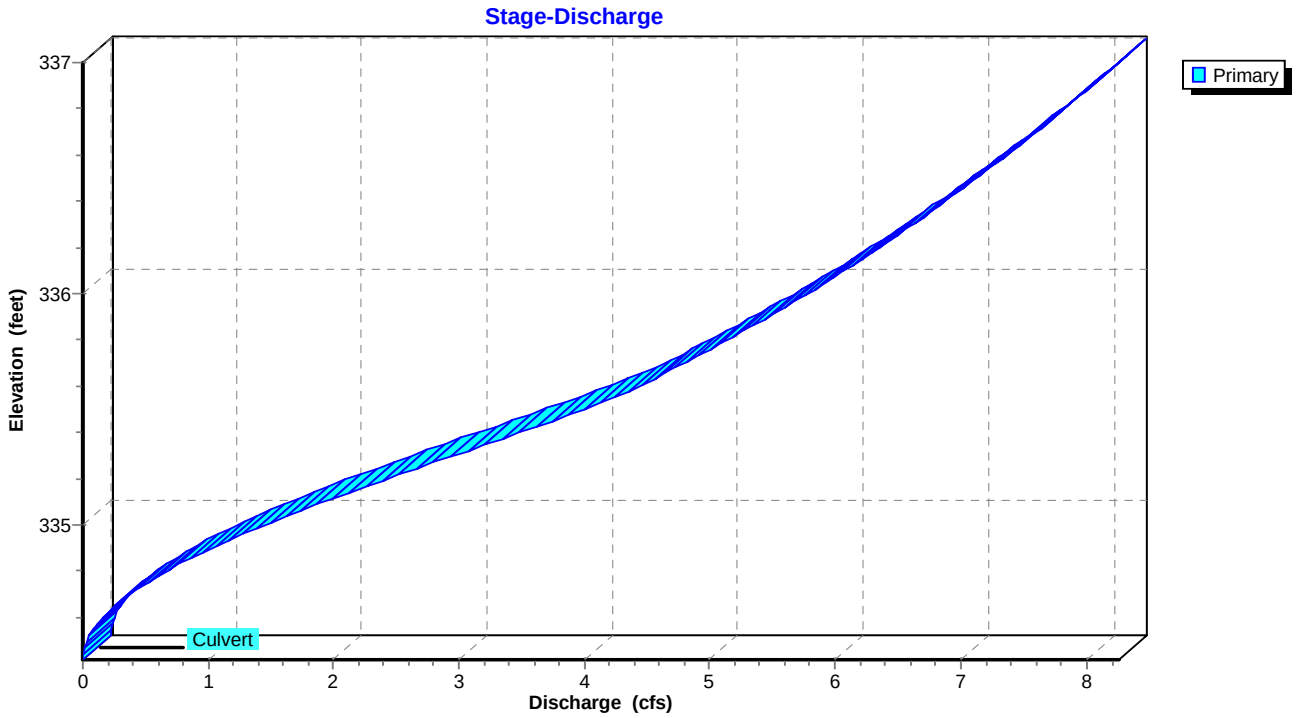
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.76 cfs @ 12.12 hrs HW=336.35' TW=330.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.76 cfs @ 5.51 fps)

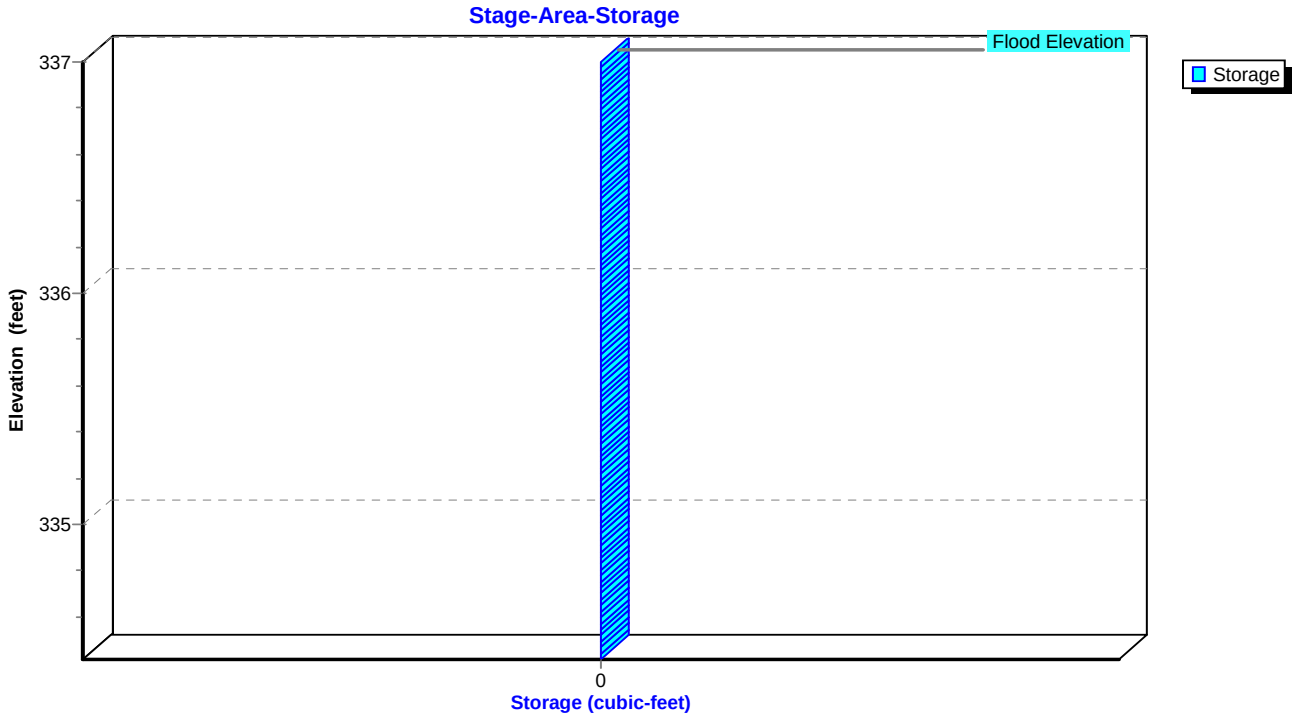
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.01	334.46	0.01
7.00	0.02	334.48	0.02
7.50	0.03	334.50	0.03
8.00	0.05	334.52	0.05
8.50	0.07	334.54	0.07
9.00	0.10	334.57	0.10
9.50	0.14	334.59	0.14
10.00	0.19	334.62	0.19
10.50	0.26	334.66	0.26
11.00	0.36	334.70	0.36
11.50	0.62	334.79	0.62
12.00	**3.55**	**335.41**	**3.55**
12.50	**1.91**	**335.10**	**1.91**
13.00	0.71	334.81	0.71
13.50	0.54	334.76	0.54
14.00	0.44	334.73	0.44
14.50	0.38	334.70	0.38
15.00	0.33	334.69	0.33
15.50	0.29	334.66	0.29
16.00	0.24	334.64	0.24
16.50	0.21	334.63	0.21
17.00	0.19	334.62	0.19
17.50	0.17	334.61	0.17
18.00	0.14	334.59	0.14
18.50	0.13	334.59	0.13
19.00	0.13	334.58	0.13
19.50	0.12	334.58	0.12
20.00	0.12	334.57	0.12
20.50	0.11	334.57	0.11
21.00	0.10	334.57	0.10
21.50	0.10	334.56	0.10
22.00	0.10	334.56	0.10
22.50	0.09	334.56	0.09
23.00	0.09	334.55	0.09
23.50	0.08	334.55	0.08
24.00	0.08	334.54	0.08

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

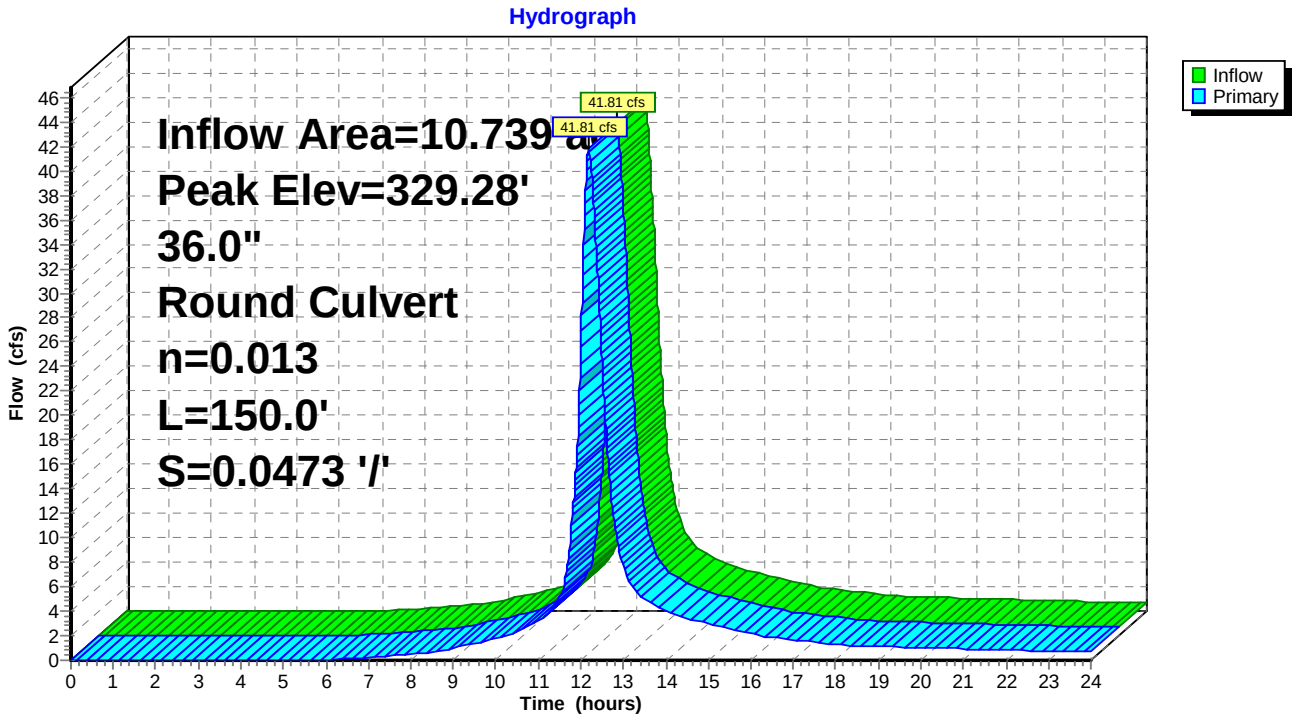
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af
Outflow = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af, Atten= 0%, Lag= 0.0 min
Primary = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.28' @ 12.18 hrs
Flood Elev= 332.25'

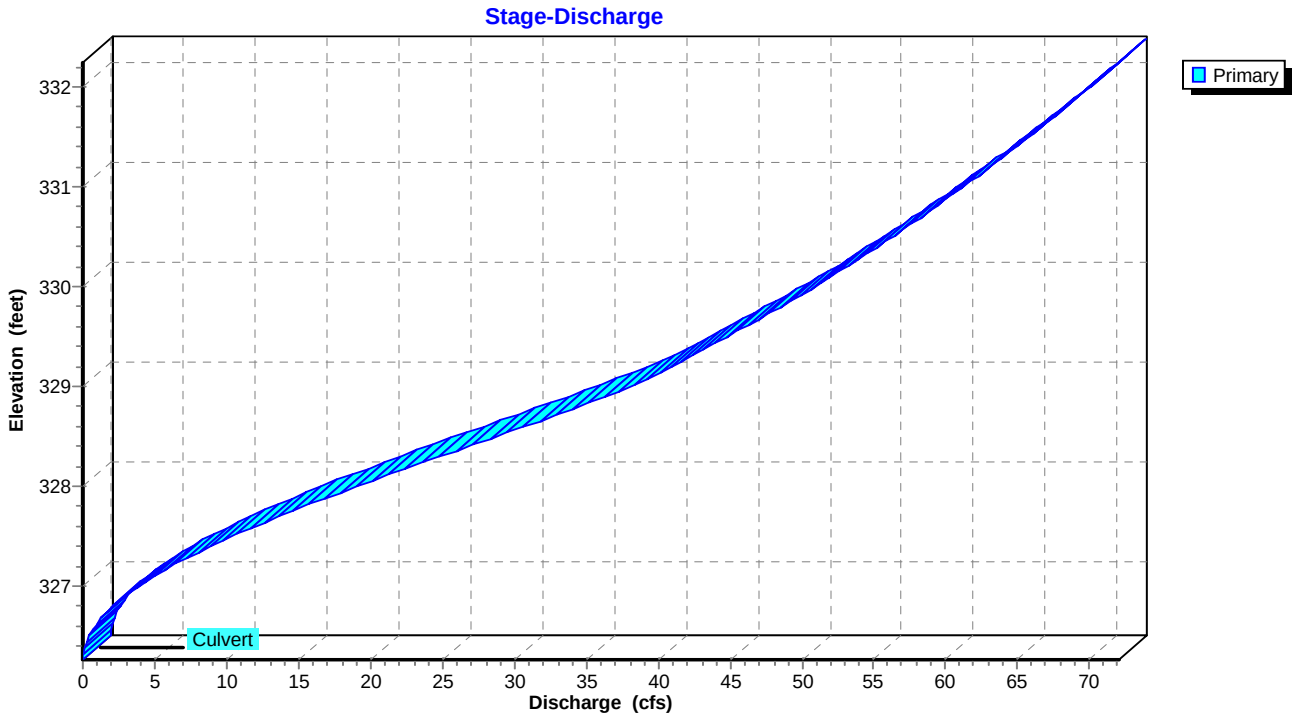
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=41.80 cfs @ 12.18 hrs HW=329.28' TW=322.22' (Dynamic Tailwater)
1=Culvert (Inlet Controls 41.80 cfs @ 5.91 fps)

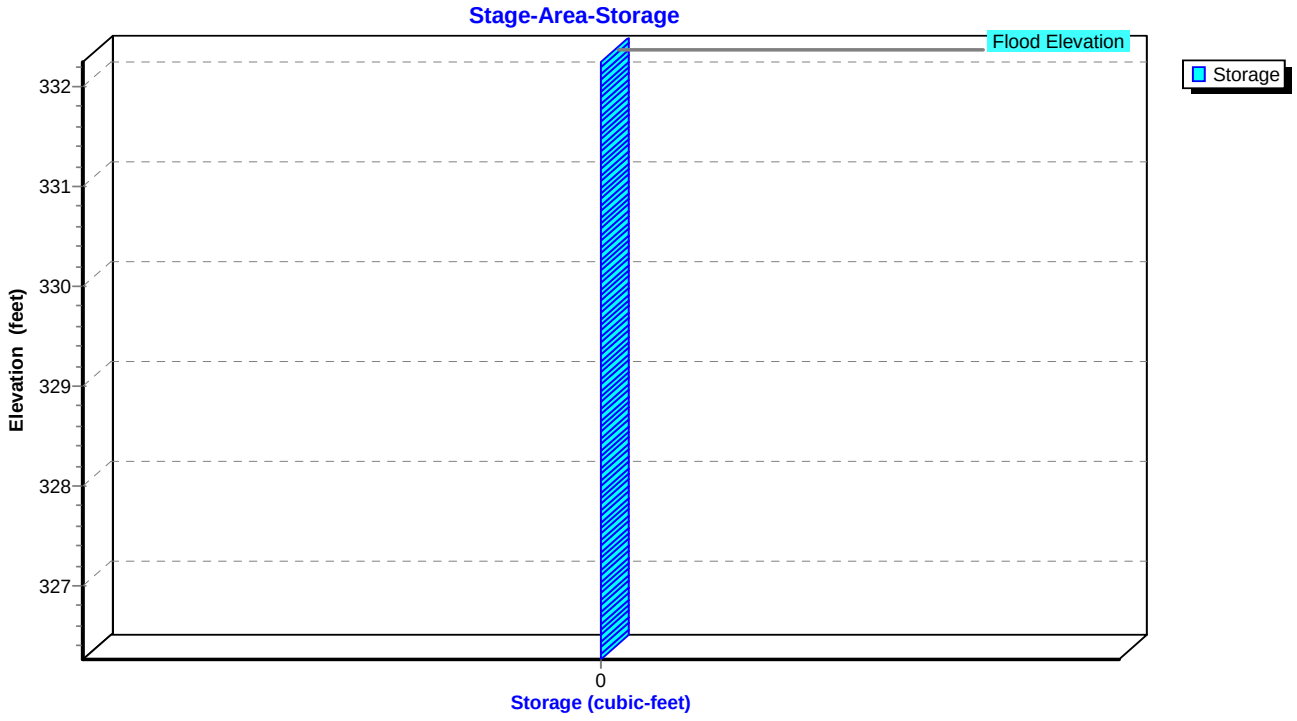
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.28	0.00
5.50	0.01	326.31	0.01
6.00	0.05	326.35	0.05
6.50	0.12	326.40	0.12
7.00	0.22	326.44	0.22
7.50	0.34	326.48	0.34
8.00	0.49	326.52	0.49
8.50	0.70	326.57	0.70
9.00	0.99	326.63	0.99
9.50	1.35	326.69	1.35
10.00	1.76	326.76	1.76
10.50	2.37	326.84	2.37
11.00	3.19	326.93	3.19
11.50	5.11	327.11	5.11
12.00	**25.58**	**328.35**	**25.58**
12.50	**24.44**	**328.29**	**24.44**
13.00	7.69	327.32	7.69
13.50	5.00	327.11	5.00
14.00	4.06	327.02	4.06
14.50	3.43	326.96	3.43
15.00	3.01	326.91	3.01
15.50	2.59	326.86	2.59
16.00	2.16	326.81	2.16
16.50	1.86	326.77	1.86
17.00	1.67	326.74	1.67
17.50	1.49	326.72	1.49
18.00	1.30	326.69	1.30
18.50	1.18	326.67	1.18
19.00	1.12	326.66	1.12
19.50	1.07	326.65	1.07
20.00	1.01	326.64	1.01
20.50	0.96	326.63	0.96
21.00	0.92	326.62	0.92
21.50	0.88	326.61	0.88
22.00	0.84	326.60	0.84
22.50	0.80	326.59	0.80
23.00	0.75	326.58	0.75
23.50	0.71	326.58	0.71
24.00	0.67	326.57	0.67

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

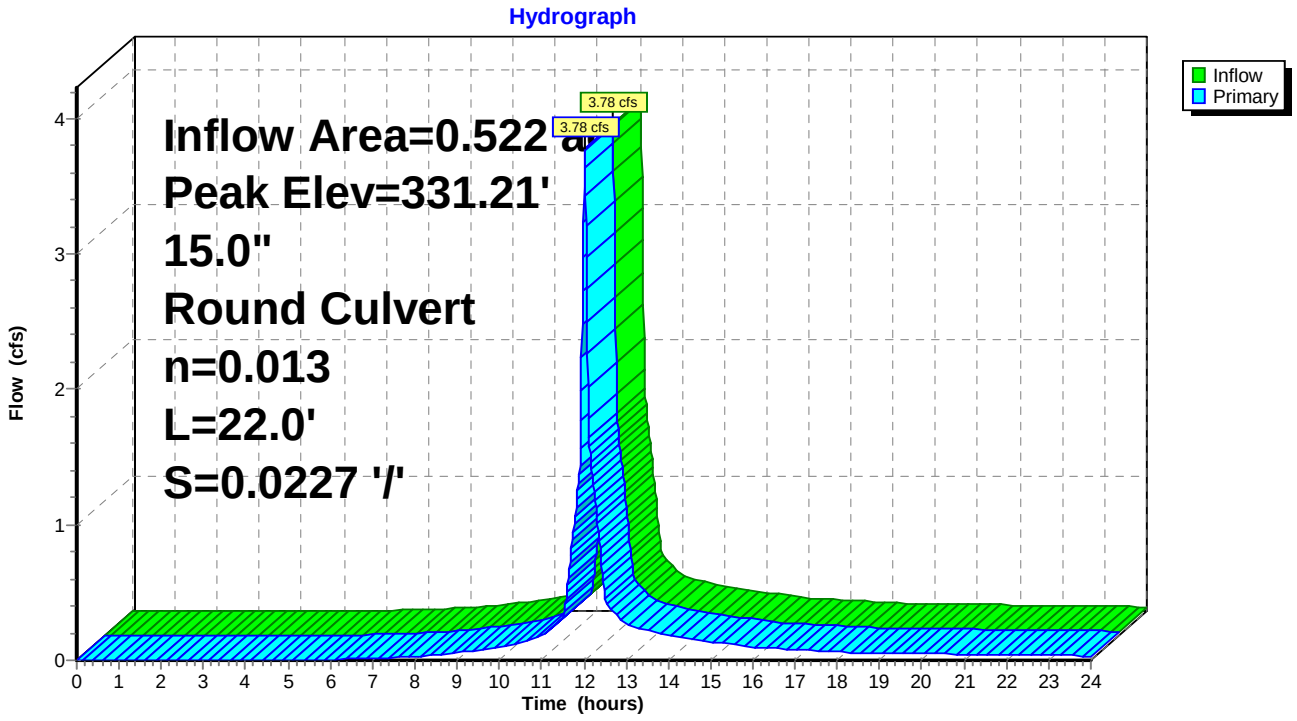
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af
Outflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af, Atten= 0%, Lag= 0.0 min
Primary = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.21' @ 12.02 hrs
Flood Elev= 332.80'

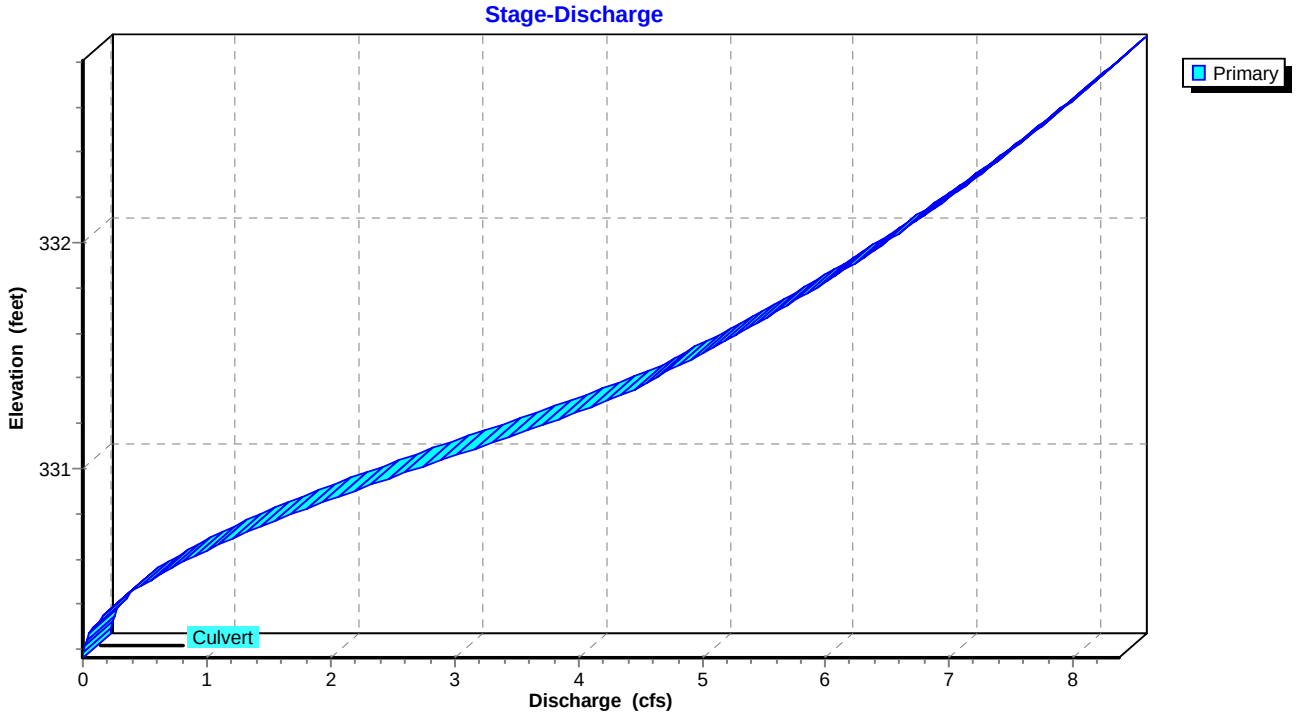
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.76 cfs @ 12.02 hrs HW=331.20' TW=328.46' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.76 cfs @ 3.46 fps)

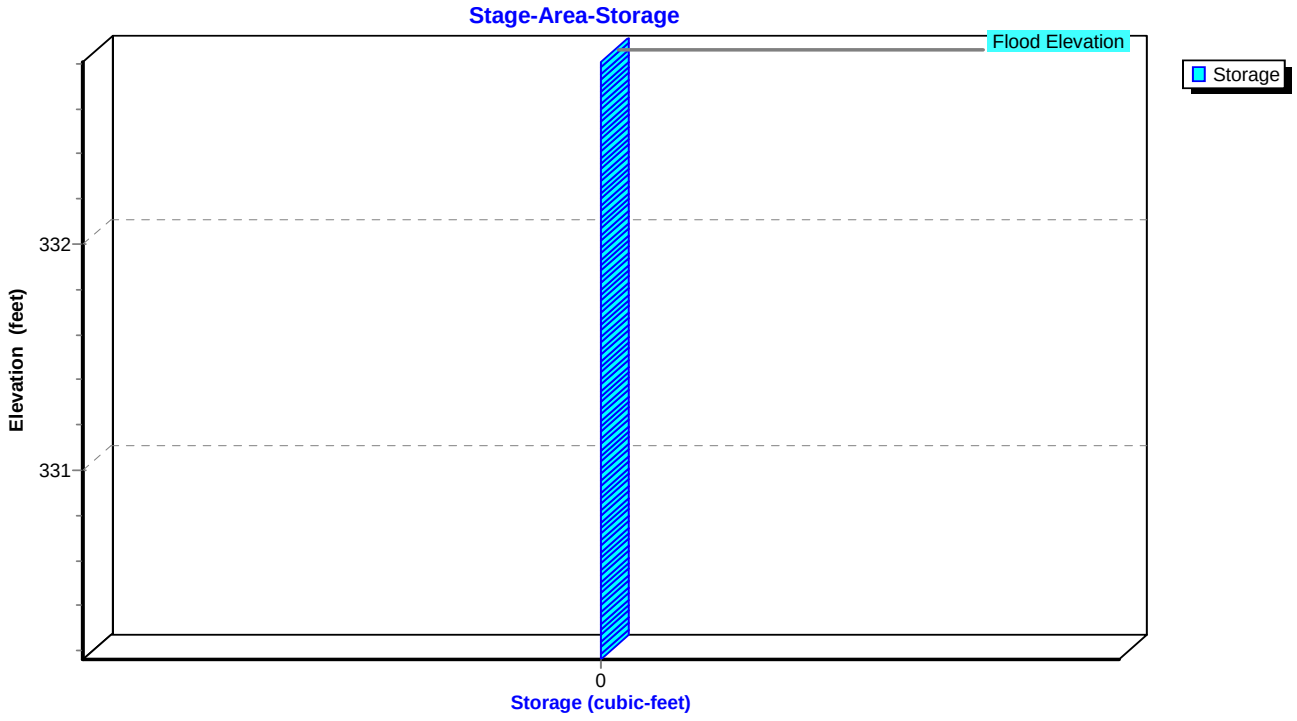
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.18	0.00
6.00	0.00	330.20	0.00
6.50	0.01	330.21	0.01
7.00	0.01	330.22	0.01
7.50	0.02	330.23	0.02
8.00	0.03	330.24	0.03
8.50	0.04	330.26	0.04
9.00	0.06	330.28	0.06
9.50	0.07	330.29	0.07
10.00	0.09	330.31	0.09
10.50	0.13	330.33	0.13
11.00	0.17	330.36	0.17
11.50	0.31	330.43	0.31
12.00	**3.49**	**331.15**	**3.49**
12.50	**0.47**	**330.49**	**0.47**
13.00	0.27	330.41	0.27
13.50	0.22	330.38	0.22
14.00	0.18	330.36	0.18
14.50	0.16	330.35	0.16
15.00	0.14	330.34	0.14
15.50	0.12	330.32	0.12
16.00	0.10	330.31	0.10
16.50	0.09	330.30	0.09
17.00	0.08	330.30	0.08
17.50	0.07	330.29	0.07
18.00	0.06	330.28	0.06
18.50	0.06	330.28	0.06
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.05	330.27	0.05
20.50	0.05	330.27	0.05
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.04	330.26	0.04
23.00	0.04	330.25	0.04
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

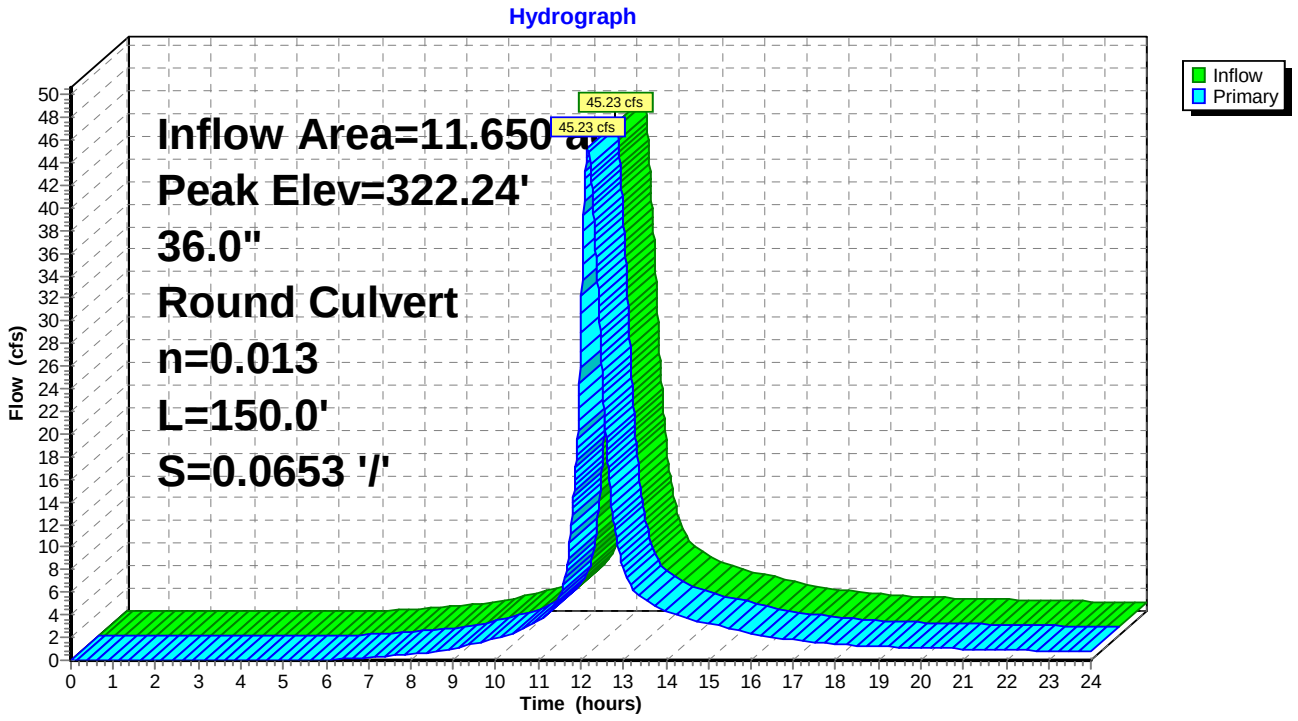
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 5.24" for 100-Year event
Inflow = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af
Outflow = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af, Atten= 0%, Lag= 0.0 min
Primary = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.24' @ 12.16 hrs
Flood Elev= 338.50'

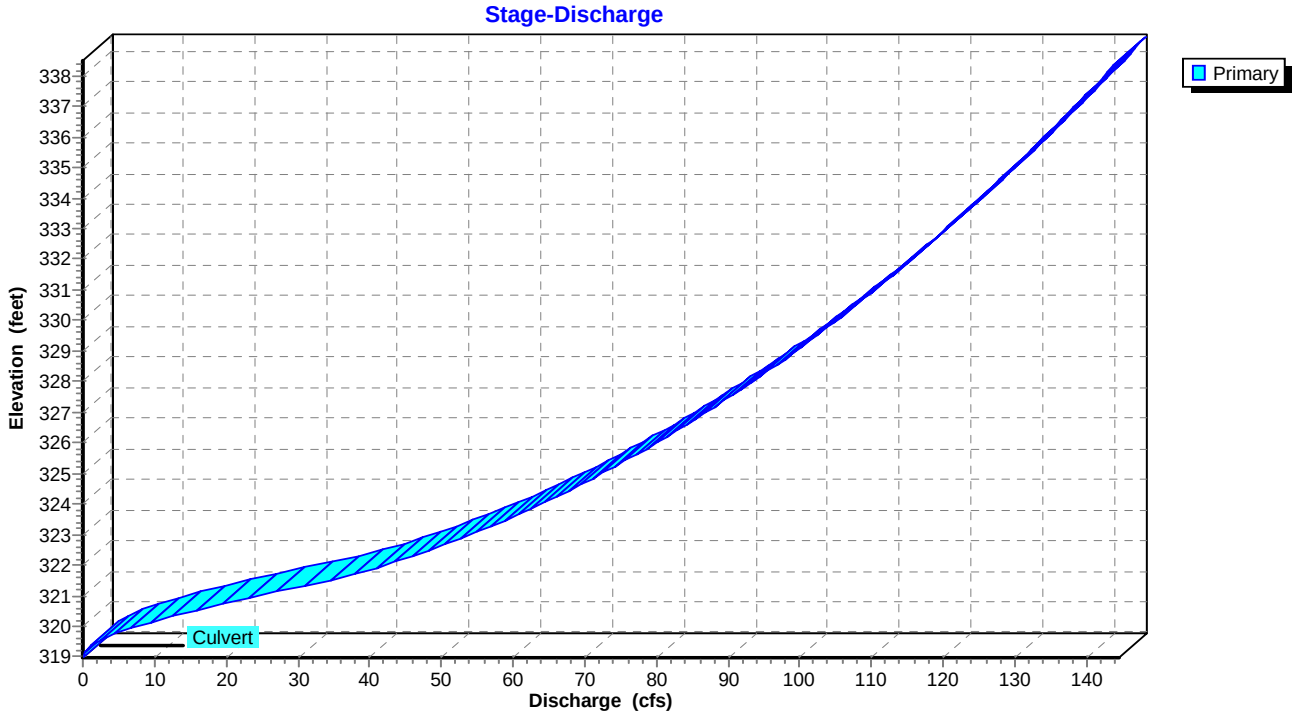
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=45.23 cfs @ 12.16 hrs HW=322.24' TW=312.38' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.23 cfs @ 6.40 fps)

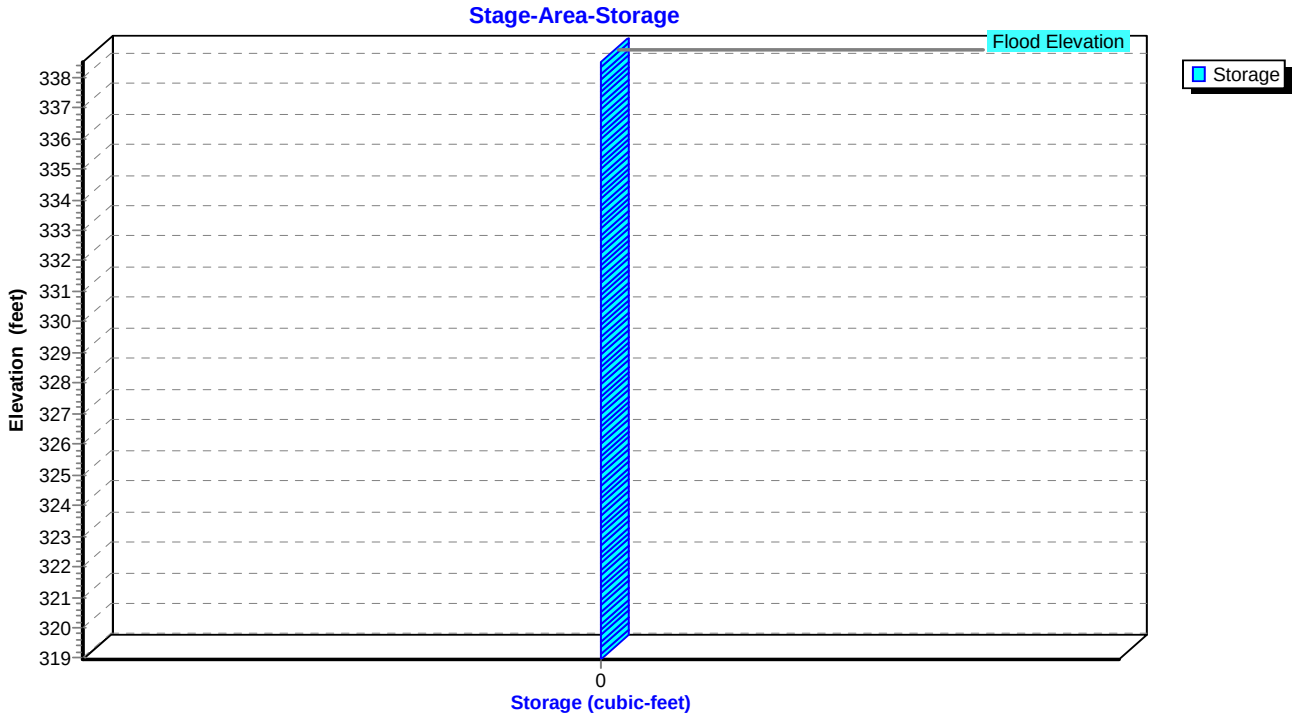
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.98	0.00
5.50	0.01	319.01	0.01
6.00	0.05	319.05	0.05
6.50	0.13	319.10	0.13
7.00	0.23	319.14	0.23
7.50	0.36	319.19	0.36
8.00	0.52	319.23	0.52
8.50	0.74	319.28	0.74
9.00	1.06	319.34	1.06
9.50	1.45	319.41	1.45
10.00	1.89	319.47	1.89
10.50	2.55	319.56	2.55
11.00	3.45	319.66	3.45
11.50	5.57	319.85	5.57
12.00	**28.91**	**321.21**	**28.91**
12.50	**25.57**	**321.04**	**25.57**
13.00	8.18	320.05	8.18
13.50	5.38	319.84	5.38
14.00	4.37	319.75	4.37
14.50	3.71	319.68	3.71
15.00	3.25	319.64	3.25
15.50	2.79	319.59	2.79
16.00	2.33	319.53	2.33
16.50	2.01	319.49	2.01
17.00	1.81	319.46	1.81
17.50	1.60	319.43	1.60
18.00	1.40	319.40	1.40
18.50	1.28	319.38	1.28
19.00	1.22	319.37	1.22
19.50	1.16	319.36	1.16
20.00	1.09	319.35	1.09
20.50	1.04	319.34	1.04
21.00	1.00	319.33	1.00
21.50	0.95	319.32	0.95
22.00	0.91	319.32	0.91
22.50	0.86	319.31	0.86
23.00	0.81	319.30	0.81
23.50	0.77	319.29	0.77
24.00	0.72	319.28	0.72

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

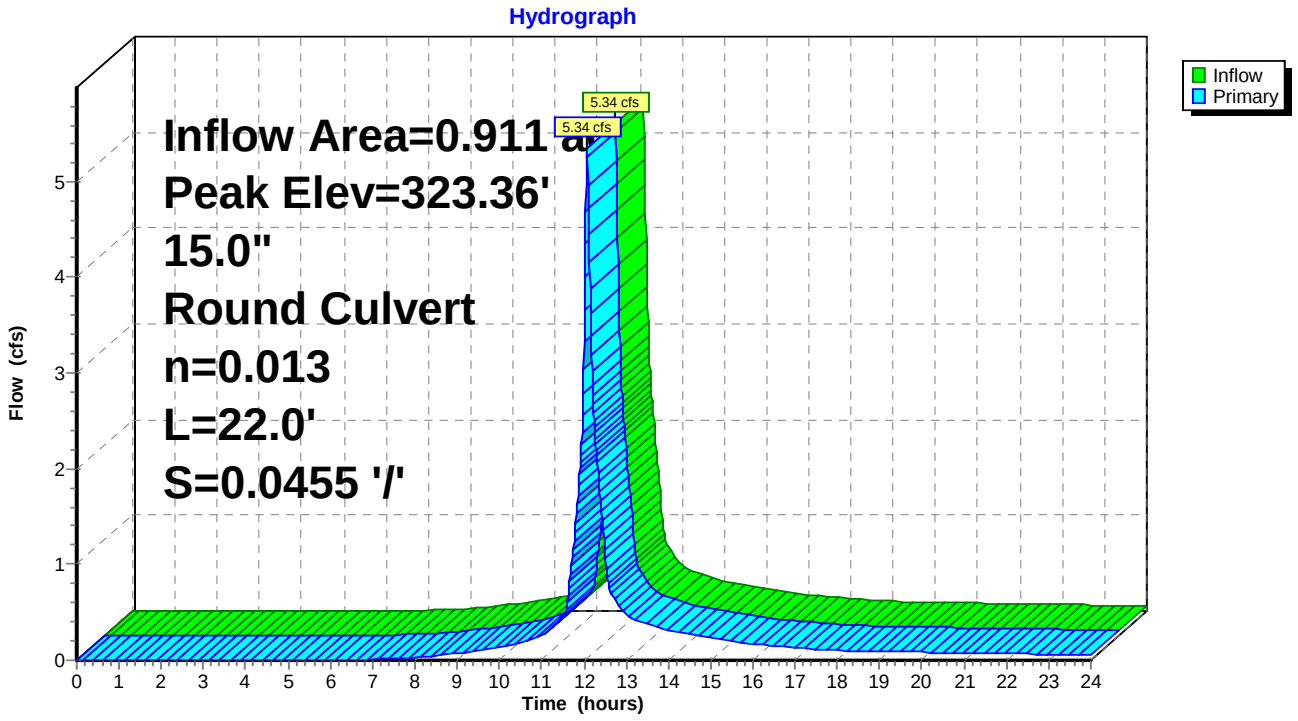
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.93" for 100-Year event
Inflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af
Outflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.36' @ 12.08 hrs
Flood Elev= 324.50'

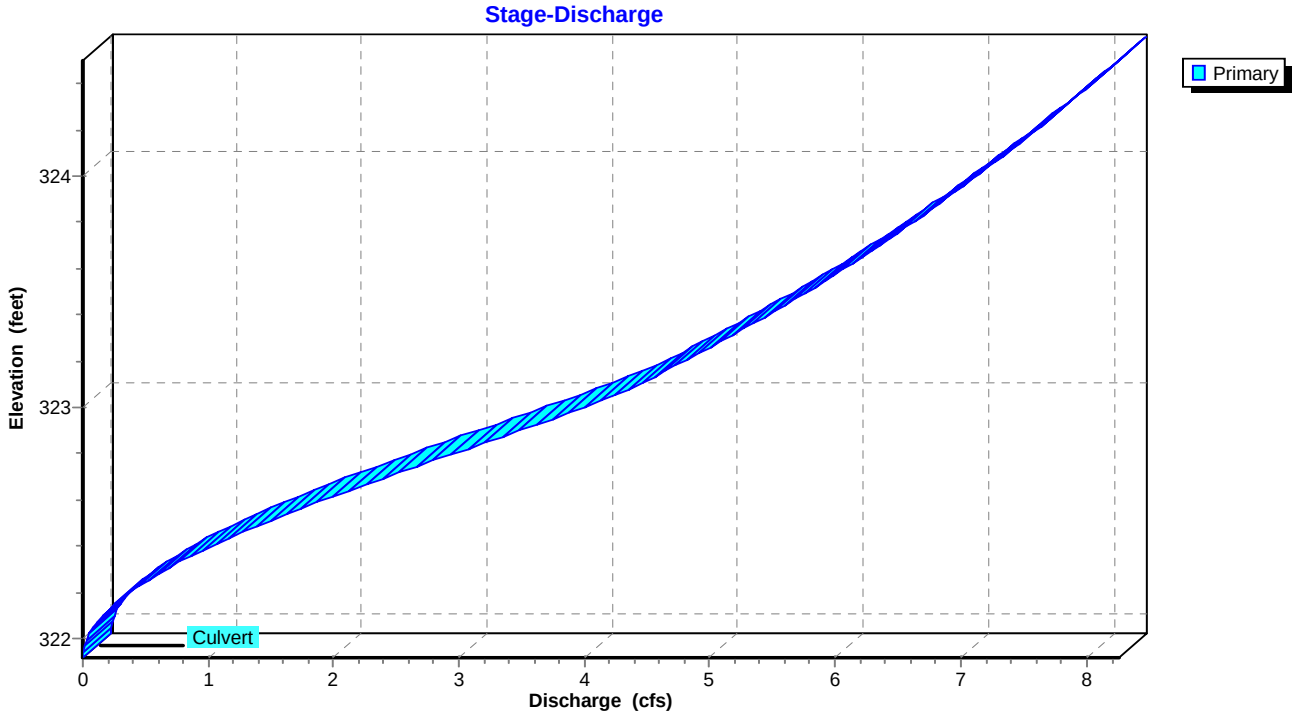
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.34 cfs @ 12.08 hrs HW=323.36' TW=321.86' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.34 cfs @ 4.35 fps)

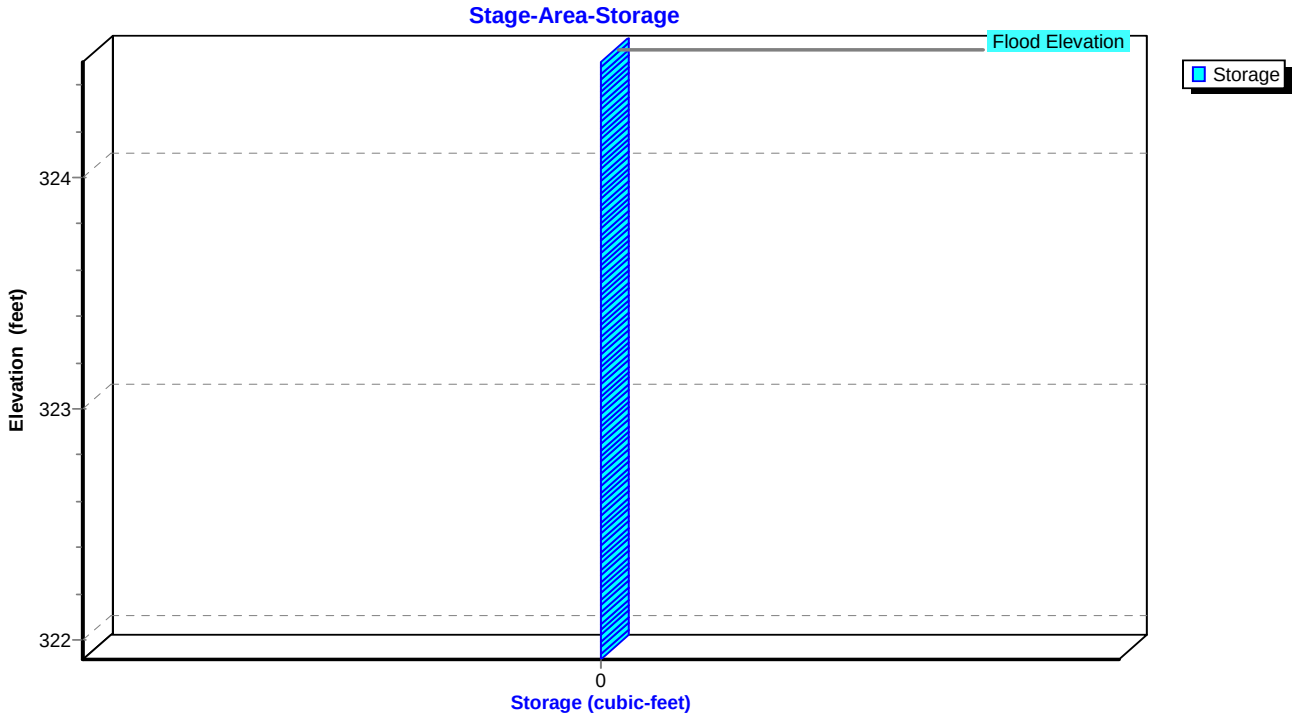
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.94	0.00
7.00	0.01	321.96	0.01
7.50	0.02	321.98	0.02
8.00	0.03	322.00	0.03
8.50	0.05	322.02	0.05
9.00	0.07	322.04	0.07
9.50	0.10	322.06	0.10
10.00	0.13	322.09	0.13
10.50	0.19	322.12	0.19
11.00	0.26	322.15	0.26
11.50	0.45	322.23	0.45
12.00	**3.33**	**322.87**	**3.33**
12.50	**1.13**	**322.43**	**1.13**
13.00	0.48	322.24	0.48
13.50	0.38	322.20	0.38
14.00	0.31	322.18	0.31
14.50	0.27	322.16	0.27
15.00	0.24	322.14	0.24
15.50	0.20	322.12	0.20
16.00	0.17	322.11	0.17
16.50	0.15	322.09	0.15
17.00	0.13	322.09	0.13
17.50	0.12	322.08	0.12
18.00	0.10	322.06	0.10
18.50	0.10	322.06	0.10
19.00	0.09	322.06	0.09
19.50	0.09	322.05	0.09
20.00	0.08	322.05	0.08
20.50	0.08	322.05	0.08
21.00	0.08	322.04	0.08
21.50	0.07	322.04	0.07
22.00	0.07	322.04	0.07
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.06	322.03	0.06
24.00	0.05	322.02	0.05

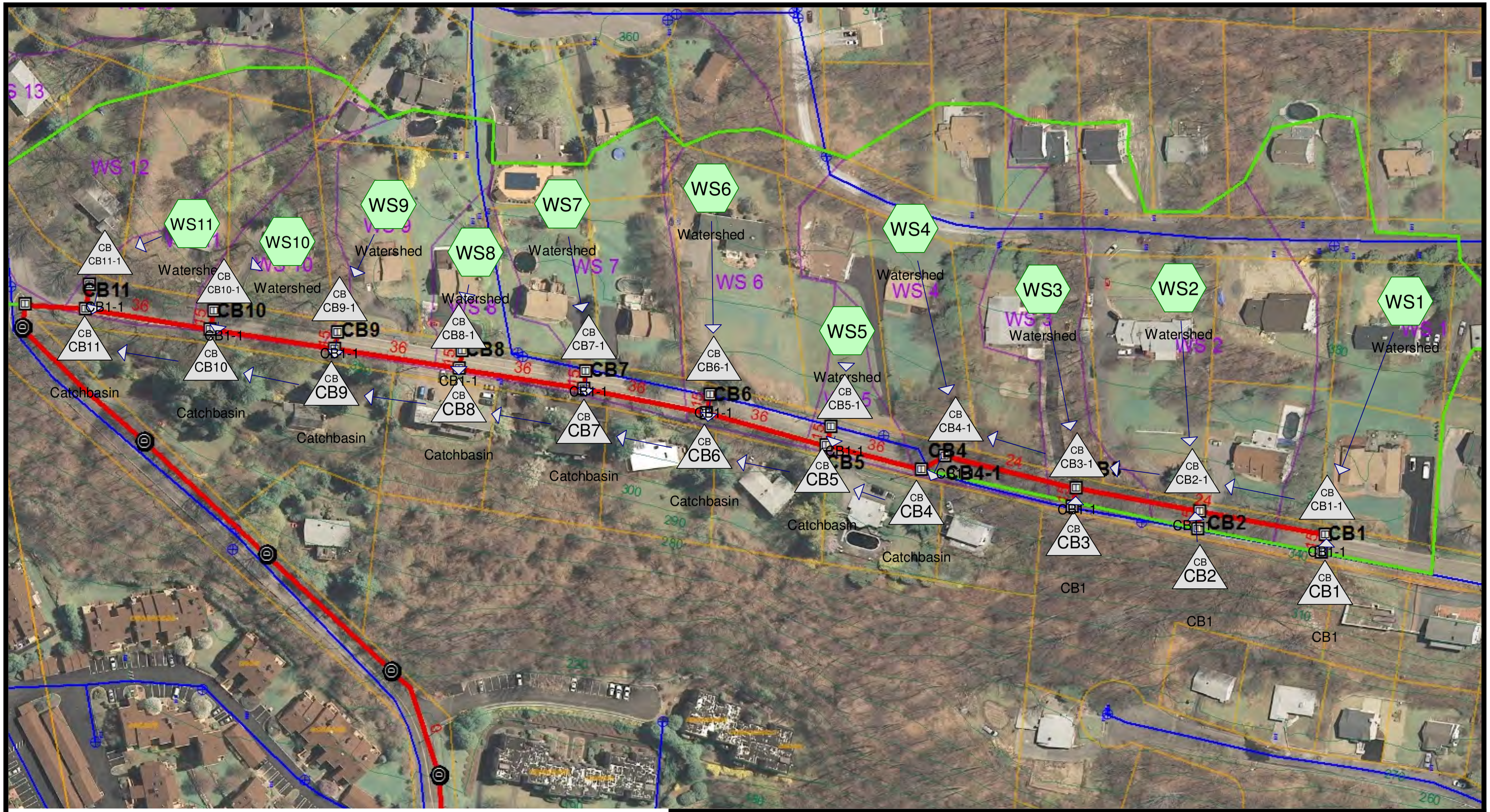
Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

C - Alternate 3



Subcat Reach Pond Link

Routing Diagram for Cedar Lane Drainage Study Alternate 3 Ogden

Prepared by Microsoft, Printed 11/23/2011

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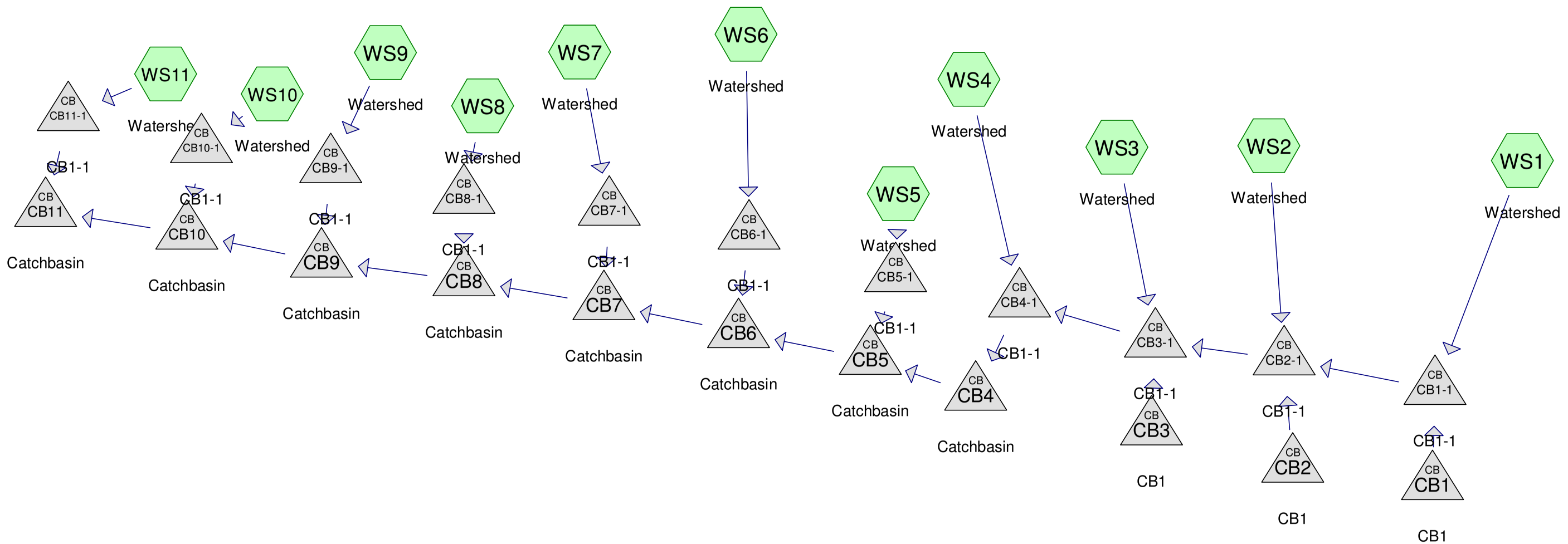

Subcat Reach Pond Link

Routing Diagram for Cedar Lane Drainage Study Alternate 3 Ogden

Prepared by Microsoft, Printed 11/23/2011

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
9.176	74	>75% Grass cover, Good, HSG C (WS1, WS10, WS11, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
3.719	98	Paved parking, HSG C (WS1, WS10, WS11, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
12.895	**81**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
12.895	HSG C	WS1, WS10, WS11, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	HSG D	
0.000	Other	
12.895		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	9.176	0.000	0.000	9.176	>75% Grass cover, Good	WS1, WS10, WS11, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	0.000	3.719	0.000	0.000	3.719	Paved parking	WS1, WS10, WS11, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	**0.000**	**12.895**	**0.000**	**0.000**	**12.895**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	CB1	345.52	345.42	22.0	0.0045	0.013	15.0	0.0	0.0
2	CB1-1	345.22	343.67	150.0	0.0103	0.013	24.0	0.0	0.0
3	CB10	308.97	299.17	150.0	0.0653	0.013	36.0	0.0	0.0
4	CB10-1	311.92	310.92	22.0	0.0455	0.013	15.0	0.0	0.0
5	CB11	297.50	70.00	2,000.0	0.1138	0.013	36.0	0.0	0.0
6	CB11-1	302.17	300.92	22.0	0.0568	0.013	15.0	0.0	0.0
7	CB2	343.87	343.67	22.0	0.0091	0.013	15.0	0.0	0.0
8	CB2-1	343.47	341.67	150.0	0.0120	0.013	24.0	0.0	0.0
9	CB3	341.87	341.67	22.0	0.0091	0.013	15.0	0.0	0.0
10	CB3-1	341.47	336.17	150.0	0.0353	0.013	24.0	0.0	0.0
11	CB4	331.67	330.67	150.0	0.0067	0.013	36.0	0.0	0.0
12	CB4-1	335.00	331.87	22.0	0.1423	0.013	24.0	0.0	0.0
13	CB5	330.47	329.27	150.0	0.0080	0.013	36.0	0.0	0.0
14	CB5-1	333.92	330.67	22.0	0.1477	0.013	18.0	0.0	0.0
15	CB6	329.07	327.87	150.0	0.0080	0.013	36.0	0.0	0.0
16	CB6-1	335.92	334.42	22.0	0.0682	0.013	15.0	0.0	0.0
17	CB7	327.67	326.47	150.0	0.0080	0.013	36.0	0.0	0.0
18	CB7-1	334.42	333.17	22.0	0.0568	0.013	15.0	0.0	0.0
19	CB8	326.27	319.17	150.0	0.0473	0.013	36.0	0.0	0.0
20	CB8-1	330.17	329.67	22.0	0.0227	0.013	15.0	0.0	0.0
21	CB9	318.97	309.17	150.0	0.0653	0.013	36.0	0.0	0.0
22	CB9-1	321.92	320.92	22.0	0.0455	0.013	15.0	0.0	0.0

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=345.79' Inflow=1.90 cfs 0.225 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=1.90 cfs 0.225 af

Pond CB10: Catchbasin Peak Elev=310.19' Inflow=10.13 cfs 1.183 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=10.13 cfs 1.183 af

Pond CB10-1: CB1-1 Peak Elev=312.41' Inflow=1.06 cfs 0.064 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.06 cfs 0.064 af

Pond CB11: Catchbasin Peak Elev=298.94' Inflow=10.82 cfs 1.242 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=10.82 cfs 1.242 af

Pond CB11-1: CB1-1 Peak Elev=302.57' Inflow=0.72 cfs 0.059 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=0.72 cfs 0.059 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.31' Inflow=3.89 cfs 0.445 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=3.89 cfs 0.445 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.42' Inflow=4.84 cfs 0.548 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=4.84 cfs 0.548 af

Pond CB4: Catchbasin Peak Elev=332.68' Inflow=6.38 cfs 0.739 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=6.38 cfs 0.739 af

Pond CB4-1: CB1-1 Peak Elev=336.11' Inflow=6.38 cfs 0.739 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=6.38 cfs 0.739 af

Pond CB5: Catchbasin Peak Elev=331.47' Inflow=6.54 cfs 0.765 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=6.54 cfs 0.765 af

Pond CB5-1: CB1-1 Peak Elev=334.21' Inflow=0.43 cfs 0.027 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.43 cfs 0.027 af

Pond CB6: Catchbasin Peak Elev=330.16' Inflow=7.72 cfs 0.884 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=7.72 cfs 0.884 af

Pond CB6-1: CB1-1 Peak Elev=336.46' Inflow=1.28 cfs 0.119 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.28 cfs 0.119 af

Pond CB7: Catchbasin Peak Elev=328.82' Inflow=8.73 cfs 0.993 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=8.73 cfs 0.993 af

Pond CB7-1: CB1-1 Peak Elev=334.98' Inflow=1.37 cfs 0.109 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.37 cfs 0.109 af

Pond CB8: Catchbasin Peak Elev=327.42' Inflow=9.06 cfs 1.044 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=9.06 cfs 1.044 af

Pond CB8-1: CB1-1 Peak Elev=330.60' Inflow=0.83 cfs 0.051 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=0.83 cfs 0.051 af

Pond CB9: Catchbasin Peak Elev=320.16' Inflow=9.69 cfs 1.119 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=9.69 cfs 1.119 af

Pond CB9-1: CB1-1 Peak Elev=322.40' Inflow=1.04 cfs 0.075 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.04 cfs 0.075 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

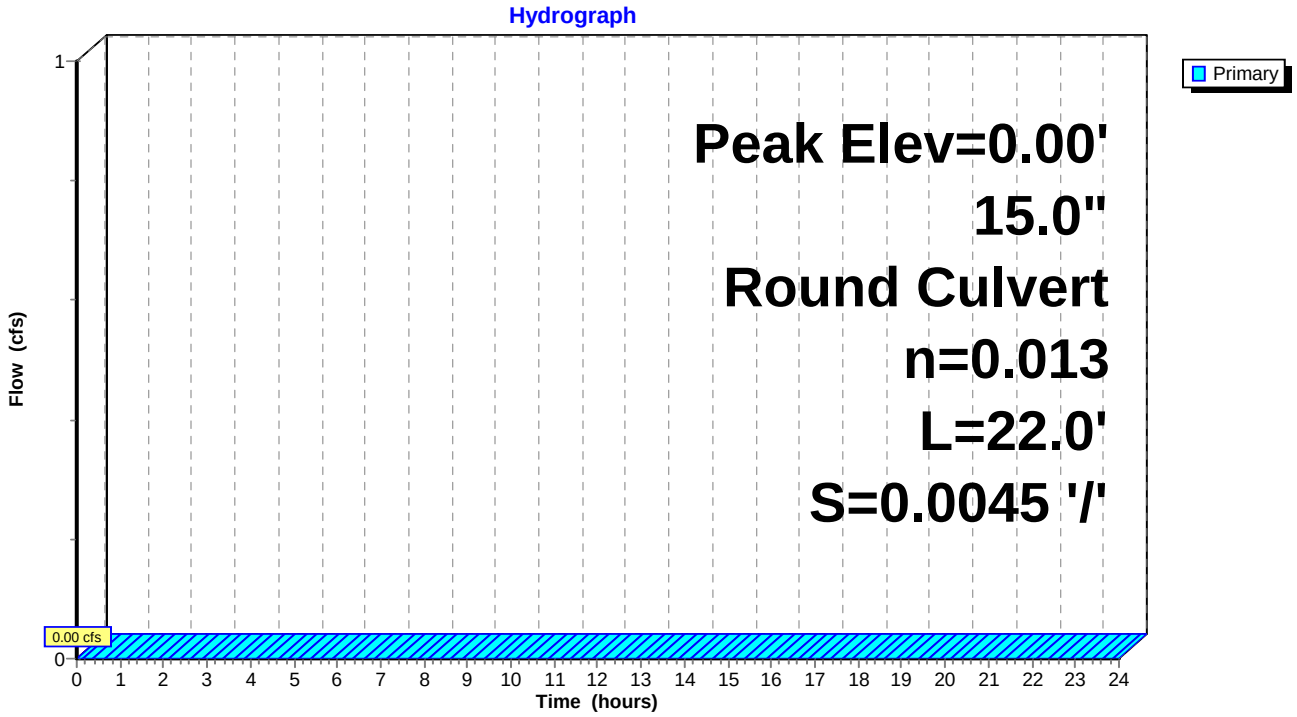
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

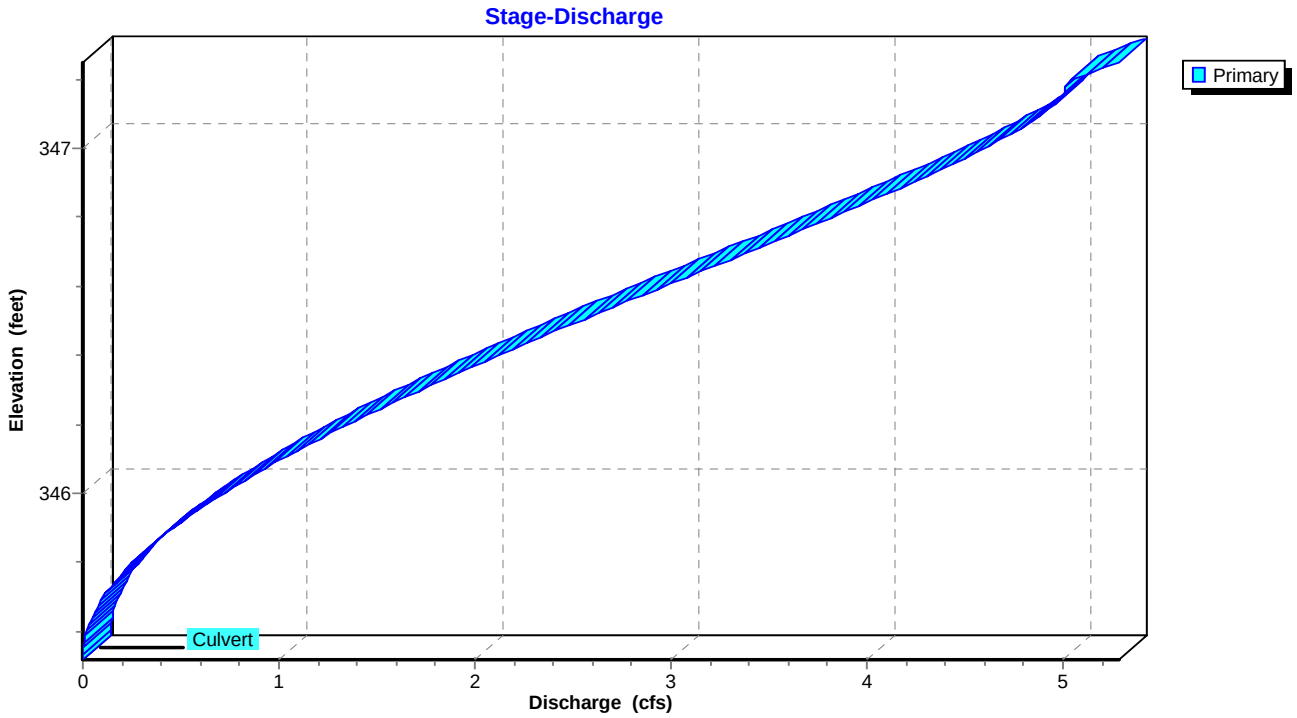
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

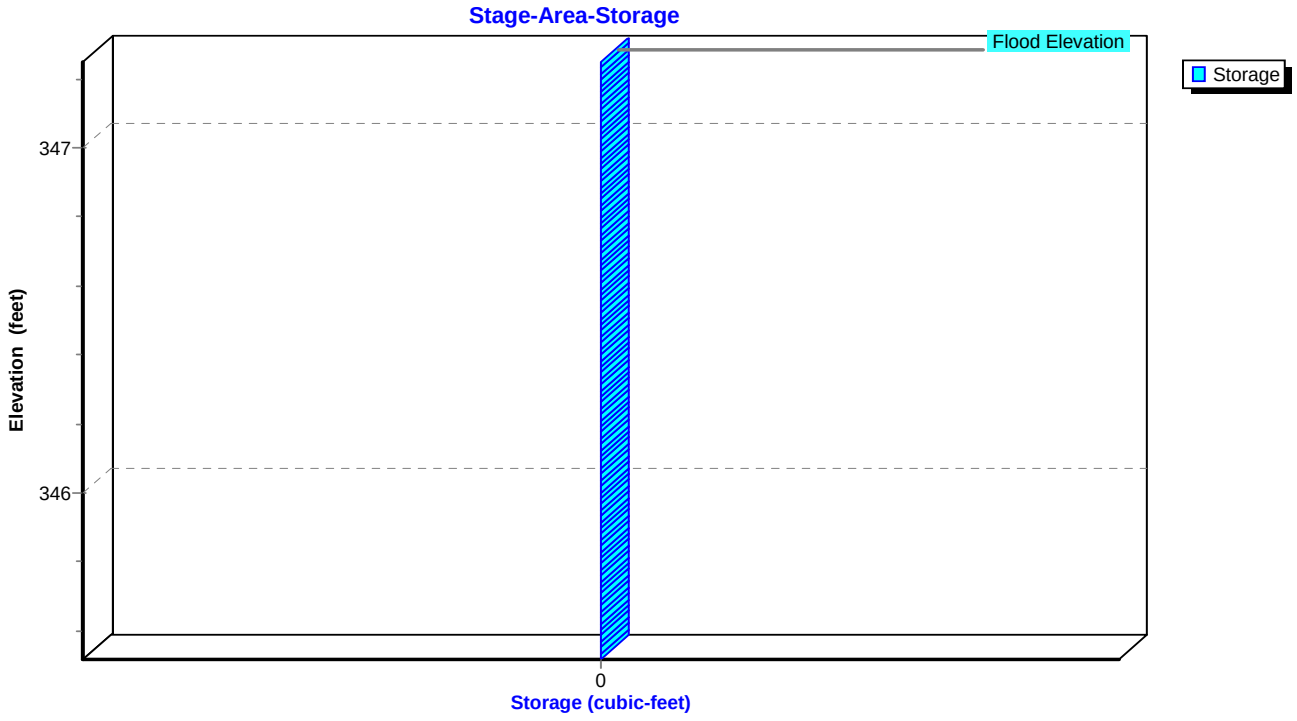
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

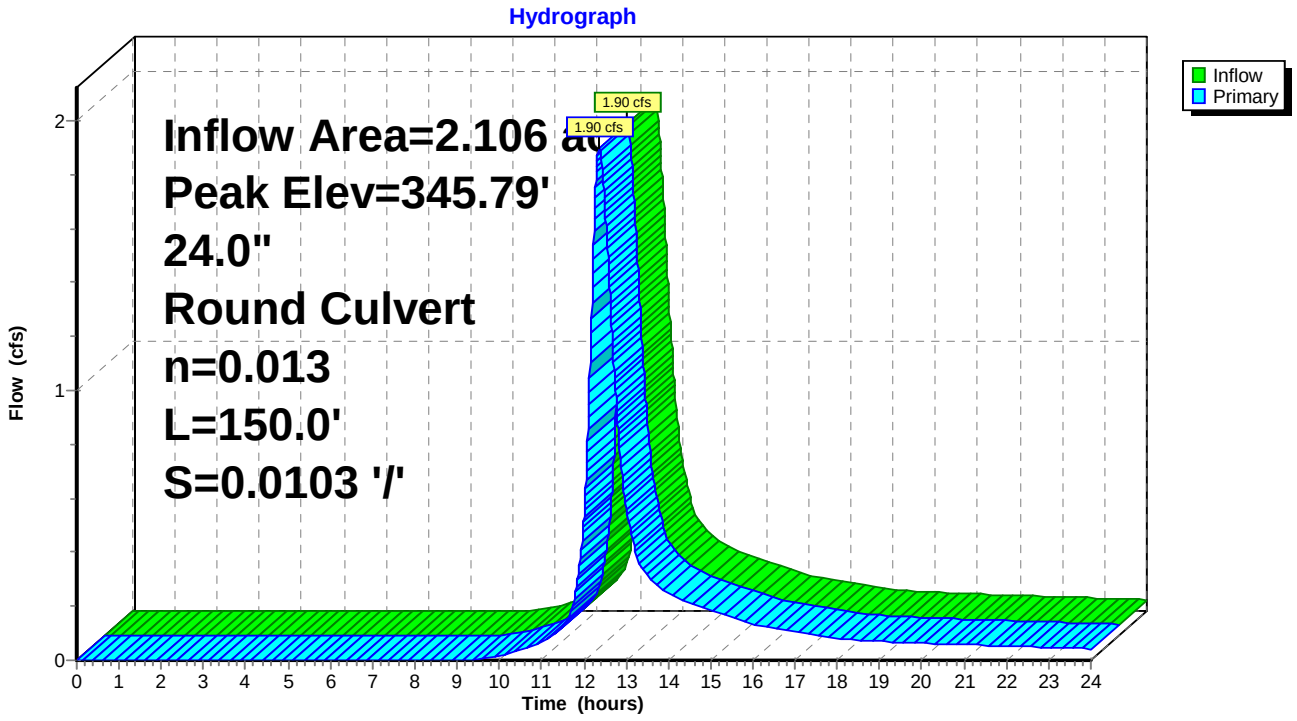
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.28" for 1-Year event
Inflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af
Outflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af, Atten= 0%, Lag= 0.0 min
Primary = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.79' @ 12.37 hrs
Flood Elev= 348.80'

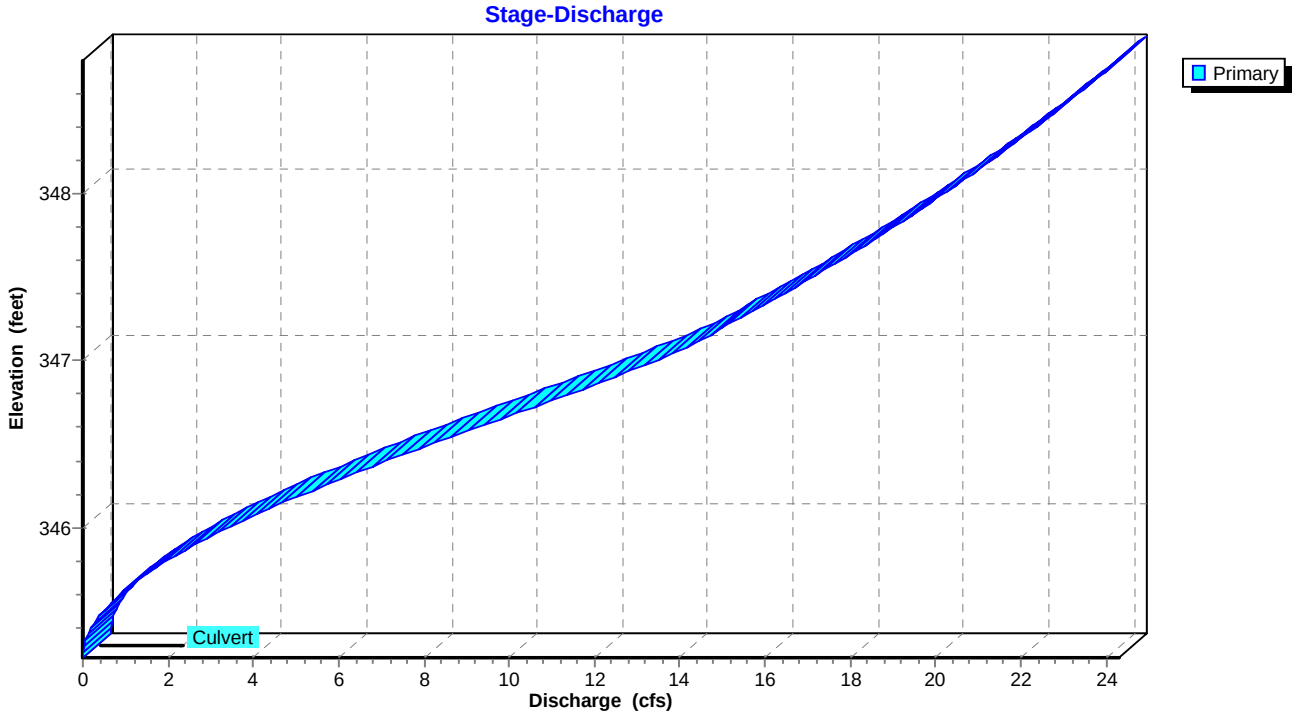
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=1.90 cfs @ 12.37 hrs HW=345.79' TW=344.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.90 cfs @ 2.57 fps)

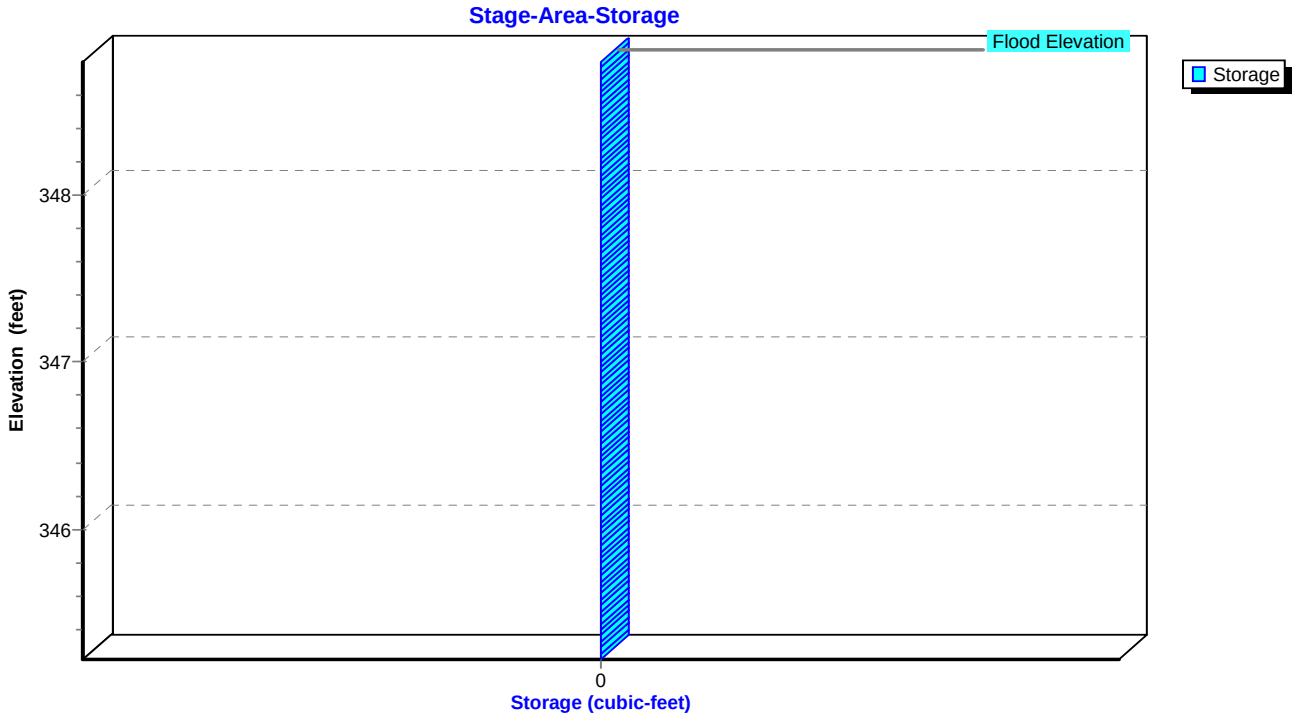
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.22	0.00
8.00	0.00	345.22	0.00
8.50	0.00	345.22	0.00
9.00	0.00	345.22	0.00
9.50	0.00	345.25	0.00
10.00	0.02	345.28	0.02
10.50	0.04	345.30	0.04
11.00	0.07	345.33	0.07
11.50	0.13	345.36	0.13
12.00	**0.53**	**345.52**	**0.53**
12.50	**1.69**	**345.76**	**1.69**
13.00	0.57	345.52	0.57
13.50	0.31	345.44	0.31
14.00	0.25	345.42	0.25
14.50	0.21	345.40	0.21
15.00	0.18	345.39	0.18
15.50	0.16	345.38	0.16
16.00	0.14	345.37	0.14
16.50	0.12	345.36	0.12
17.00	0.10	345.35	0.10
17.50	0.09	345.34	0.09
18.00	0.08	345.34	0.08
18.50	0.07	345.33	0.07
19.00	0.07	345.33	0.07
19.50	0.07	345.33	0.07
20.00	0.06	345.32	0.06
20.50	0.06	345.32	0.06
21.00	0.06	345.32	0.06
21.50	0.05	345.32	0.05
22.00	0.05	345.31	0.05
22.50	0.05	345.31	0.05
23.00	0.05	345.31	0.05
23.50	0.04	345.31	0.04
24.00	0.04	345.31	0.04

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

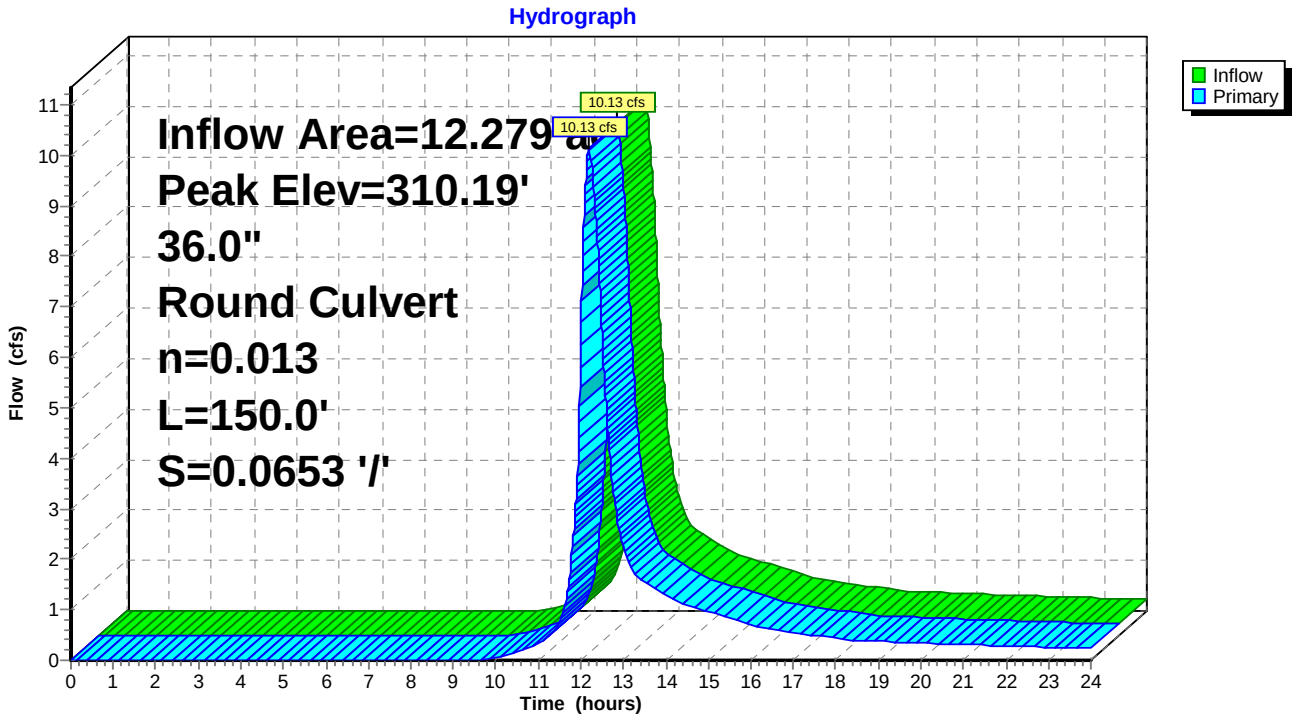
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af
Outflow = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af, Atten= 0%, Lag= 0.0 min
Primary = 10.13 cfs @ 12.18 hrs, Volume= 1.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.19' @ 12.18 hrs
Flood Elev= 313.50'

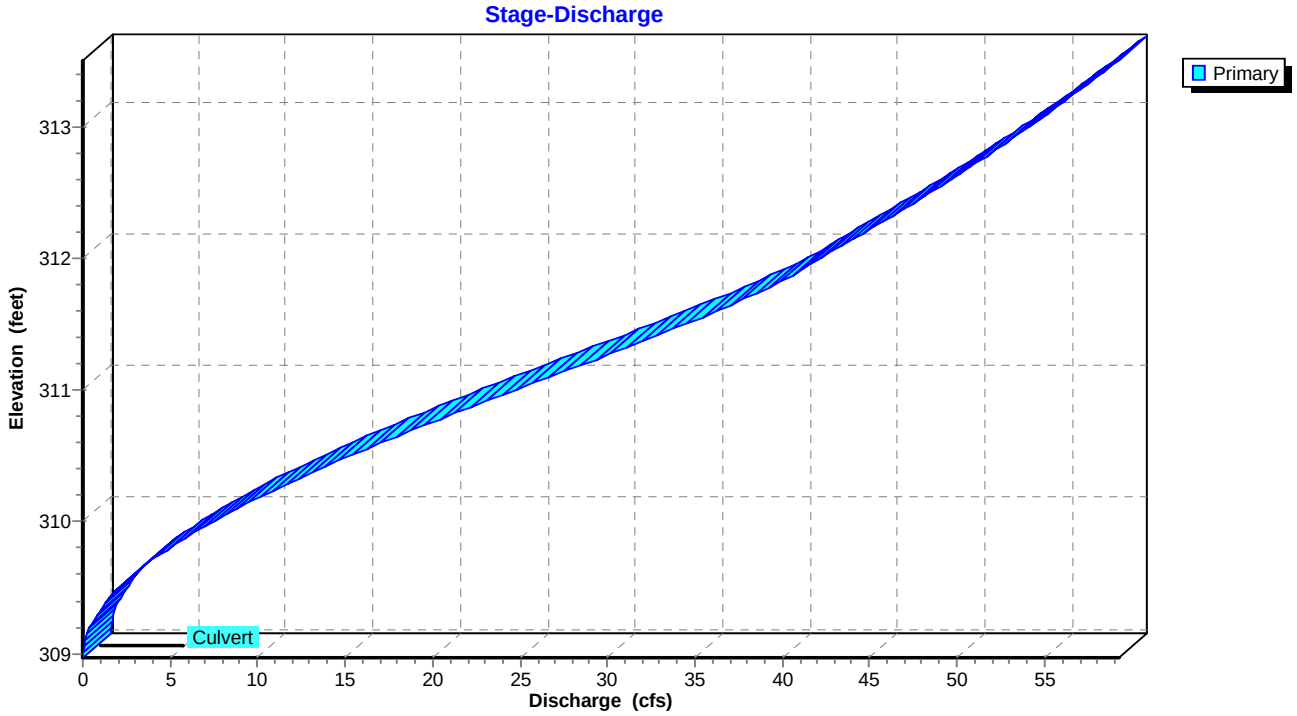
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.13 cfs @ 12.18 hrs HW=310.19' TW=298.94' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 10.13 cfs @ 3.76 fps)

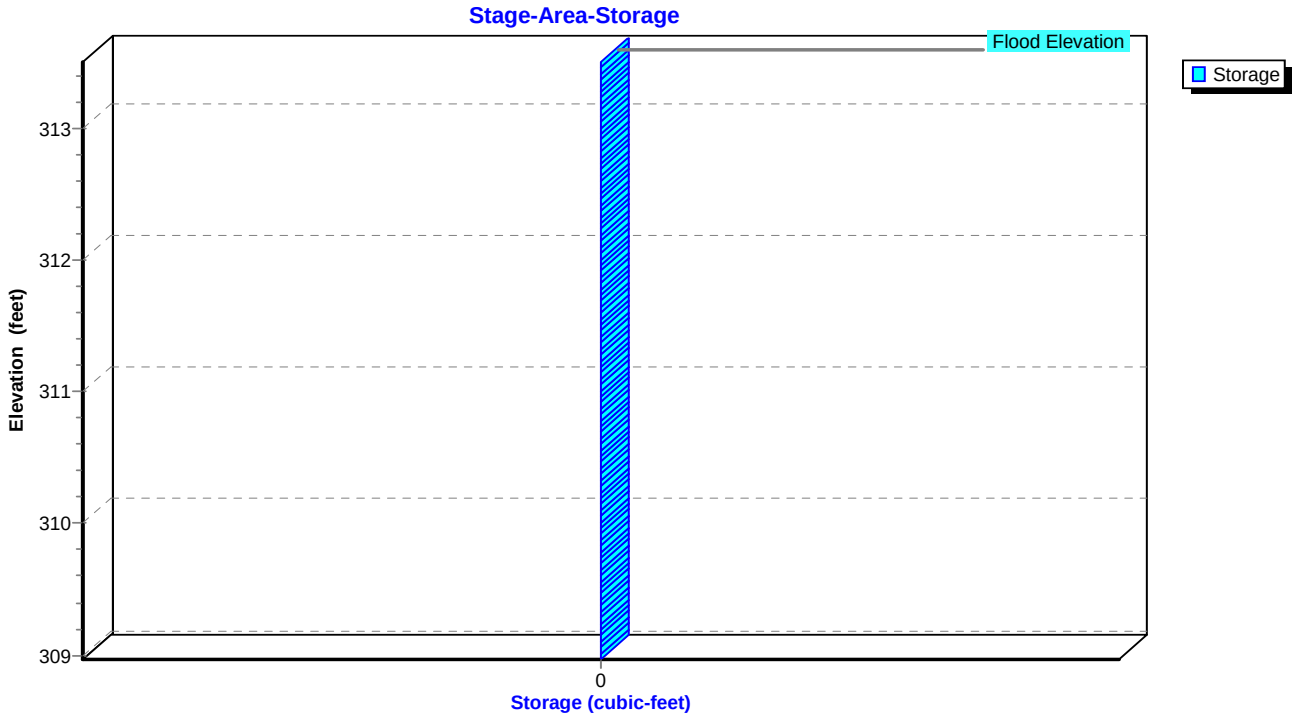
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.97	0.00
7.50	0.00	308.97	0.00
8.00	0.00	308.97	0.00
8.50	0.00	308.97	0.00
9.00	0.00	308.98	0.00
9.50	0.01	309.00	0.01
10.00	0.05	309.05	0.05
10.50	0.16	309.11	0.16
11.00	0.34	309.18	0.34
11.50	0.74	309.28	0.74
12.00	**6.25**	**309.91**	**6.25**
12.50	**6.47**	**309.93**	**6.47**
13.00	2.26	309.52	2.26
13.50	1.54	309.42	1.54
14.00	1.27	309.38	1.27
14.50	1.09	309.35	1.09
15.00	0.96	309.33	0.96
15.50	0.83	309.30	0.83
16.00	0.70	309.27	0.70
16.50	0.61	309.25	0.61
17.00	0.55	309.24	0.55
17.50	0.49	309.22	0.49
18.00	0.43	309.21	0.43
18.50	0.39	309.20	0.39
19.00	0.37	309.19	0.37
19.50	0.36	309.19	0.36
20.00	0.34	309.18	0.34
20.50	0.32	309.17	0.32
21.00	0.31	309.17	0.31
21.50	0.30	309.17	0.30
22.00	0.28	309.16	0.28
22.50	0.27	309.16	0.27
23.00	0.25	309.15	0.25
23.50	0.24	309.15	0.24
24.00	0.23	309.14	0.23

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

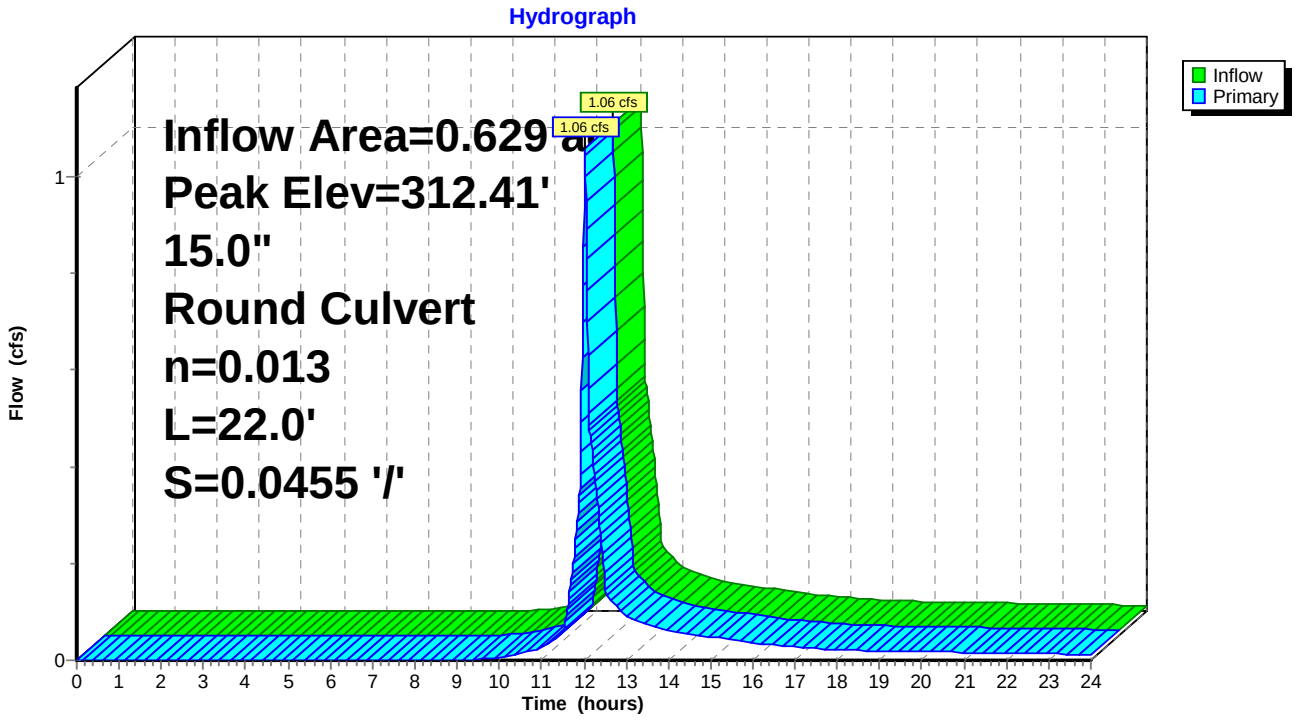
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af
Outflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.41' @ 12.02 hrs
Flood Elev= 314.50'

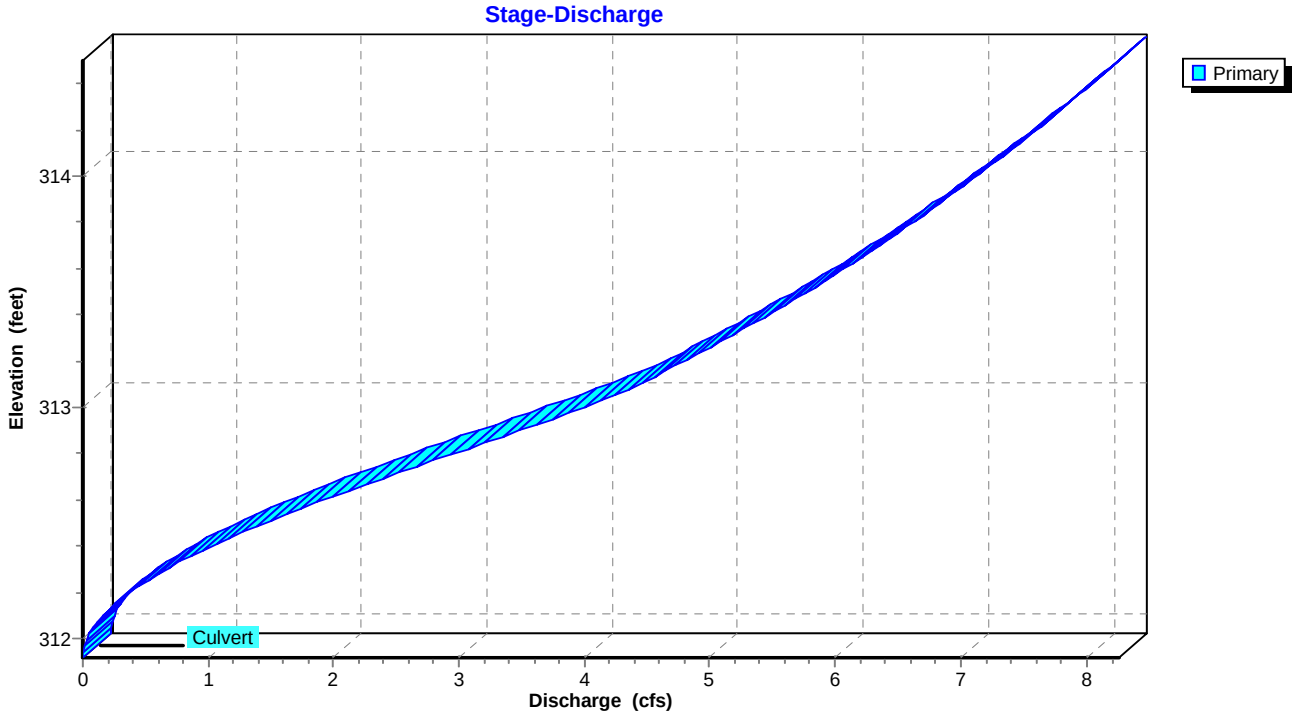
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.05 cfs @ 12.02 hrs HW=312.41' TW=309.98' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.05 cfs @ 2.38 fps)

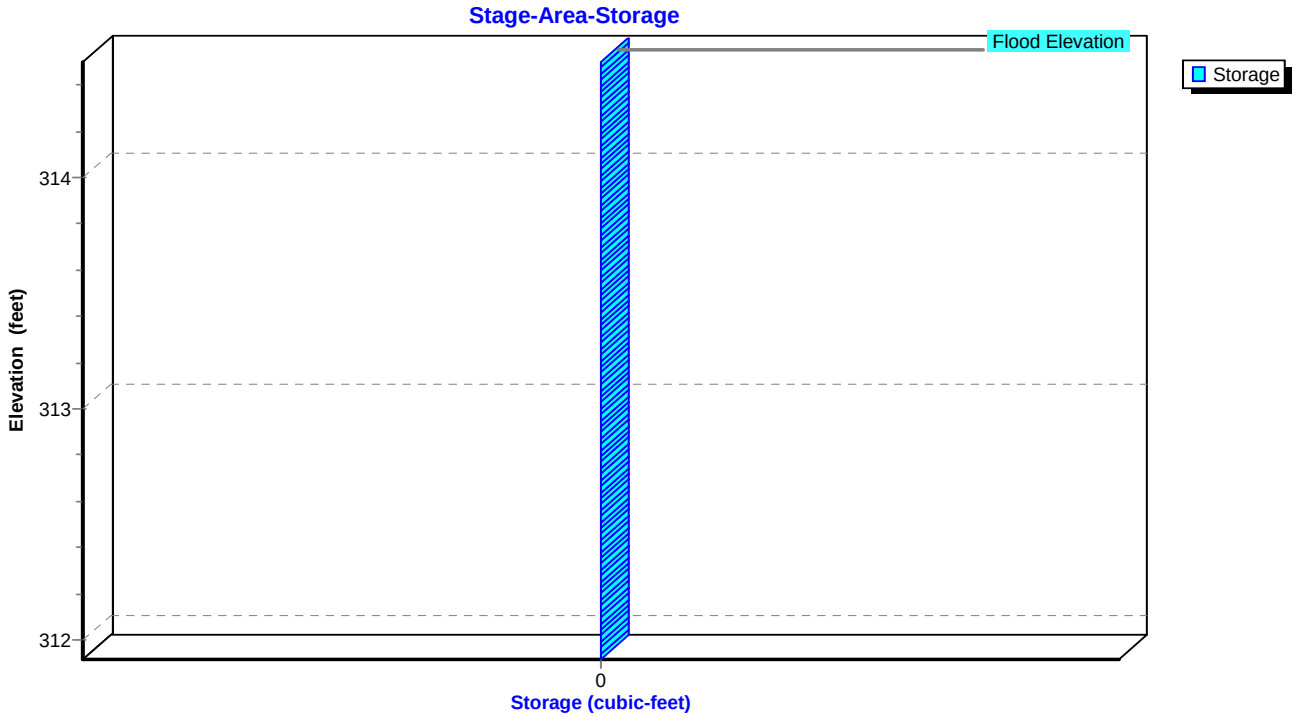
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.92	0.00
9.00	0.00	311.92	0.00
9.50	0.00	311.94	0.00
10.00	0.01	311.96	0.01
10.50	0.01	311.97	0.01
11.00	0.03	311.99	0.03
11.50	0.06	312.03	0.06
12.00	**0.94**	**312.38**	**0.94**
12.50	**0.16**	**312.10**	**0.16**
13.00	0.09	312.06	0.09
13.50	0.08	312.04	0.08
14.00	0.06	312.03	0.06
14.50	0.05	312.03	0.05
15.00	0.05	312.02	0.05
15.50	0.04	312.01	0.04
16.00	0.03	312.00	0.03
16.50	0.03	312.00	0.03
17.00	0.03	311.99	0.03
17.50	0.02	311.99	0.02
18.00	0.02	311.99	0.02
18.50	0.02	311.98	0.02
19.00	0.02	311.98	0.02
19.50	0.02	311.98	0.02
20.00	0.02	311.98	0.02
20.50	0.02	311.98	0.02
21.00	0.02	311.98	0.02
21.50	0.02	311.98	0.02
22.00	0.01	311.97	0.01
22.50	0.01	311.97	0.01
23.00	0.01	311.97	0.01
23.50	0.01	311.97	0.01
24.00	0.01	311.97	0.01

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

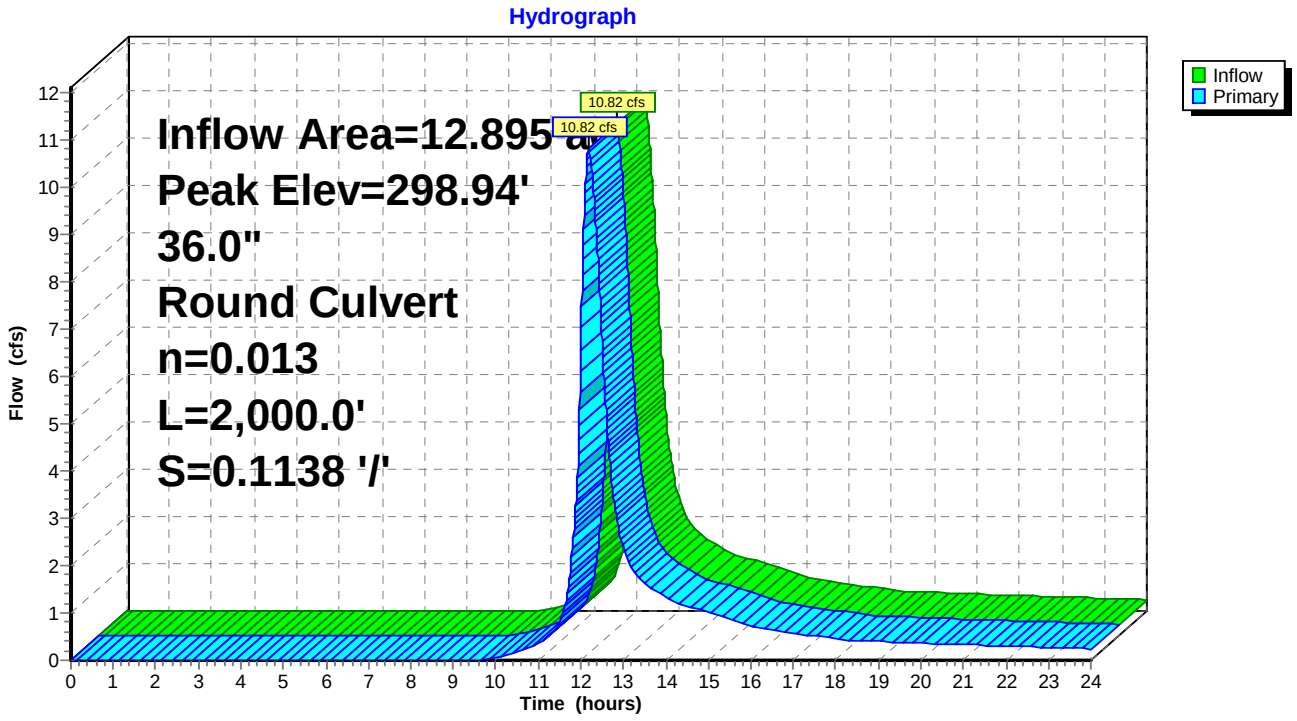
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af
Outflow = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af, Atten= 0%, Lag= 0.0 min
Primary = 10.82 cfs @ 12.18 hrs, Volume= 1.242 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.94' @ 12.18 hrs
Flood Elev= 303.50'

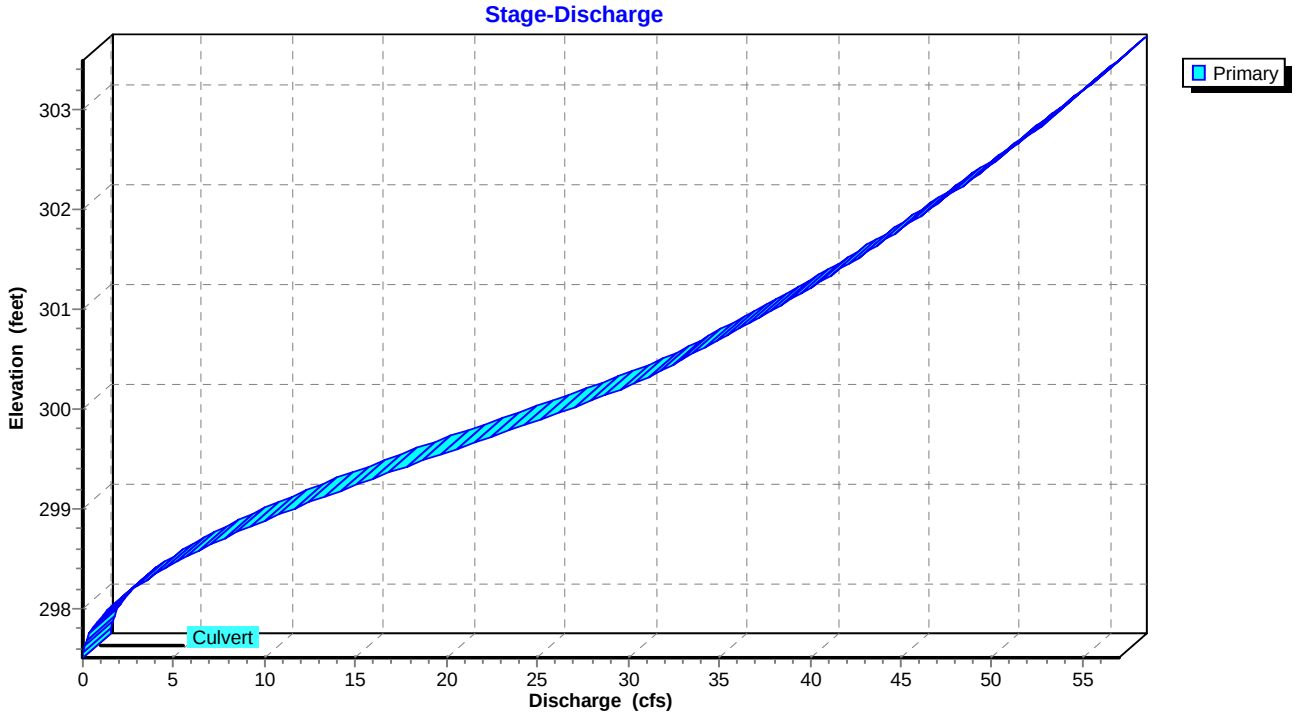
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=10.81 cfs @ 12.18 hrs HW=298.94' (Free Discharge)
1=Culvert (Inlet Controls 10.81 cfs @ 3.22 fps)

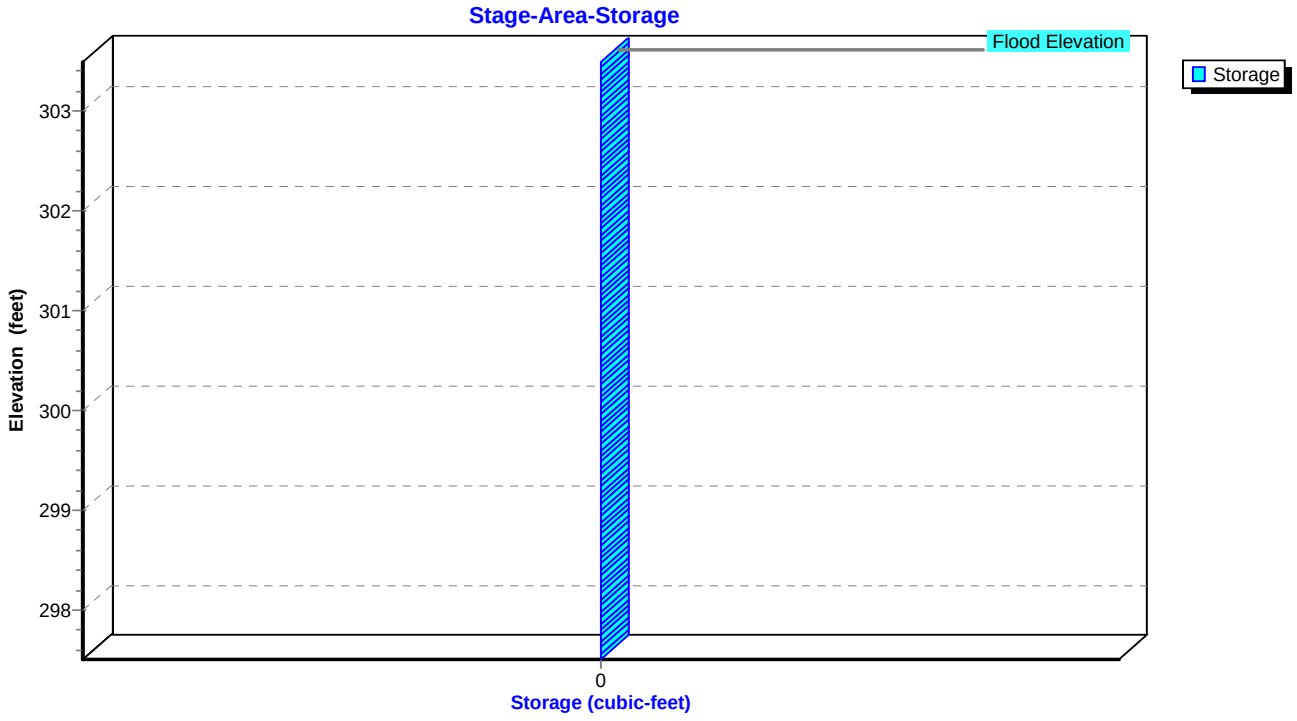
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.50	0.00
7.00	0.00	297.50	0.00
7.50	0.00	297.50	0.00
8.00	0.00	297.50	0.00
8.50	0.00	297.50	0.00
9.00	0.00	297.51	0.00
9.50	0.01	297.54	0.01
10.00	0.06	297.60	0.06
10.50	0.17	297.66	0.17
11.00	0.35	297.74	0.35
11.50	0.78	297.86	0.78
12.00	**6.56**	**298.59**	**6.56**
12.50	**6.75**	**298.61**	**6.75**
13.00	2.36	298.14	2.36
13.50	1.61	298.02	1.61
14.00	1.33	297.97	1.33
14.50	1.14	297.94	1.14
15.00	1.01	297.91	1.01
15.50	0.87	297.88	0.87
16.00	0.73	297.85	0.73
16.50	0.64	297.83	0.64
17.00	0.58	297.81	0.58
17.50	0.51	297.79	0.51
18.00	0.45	297.77	0.45
18.50	0.41	297.76	0.41
19.00	0.39	297.75	0.39
19.50	0.37	297.75	0.37
20.00	0.36	297.74	0.36
20.50	0.34	297.74	0.34
21.00	0.33	297.73	0.33
21.50	0.31	297.73	0.31
22.00	0.30	297.72	0.30
22.50	0.28	297.72	0.28
23.00	0.27	297.71	0.27
23.50	0.25	297.70	0.25
24.00	0.24	297.70	0.24

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

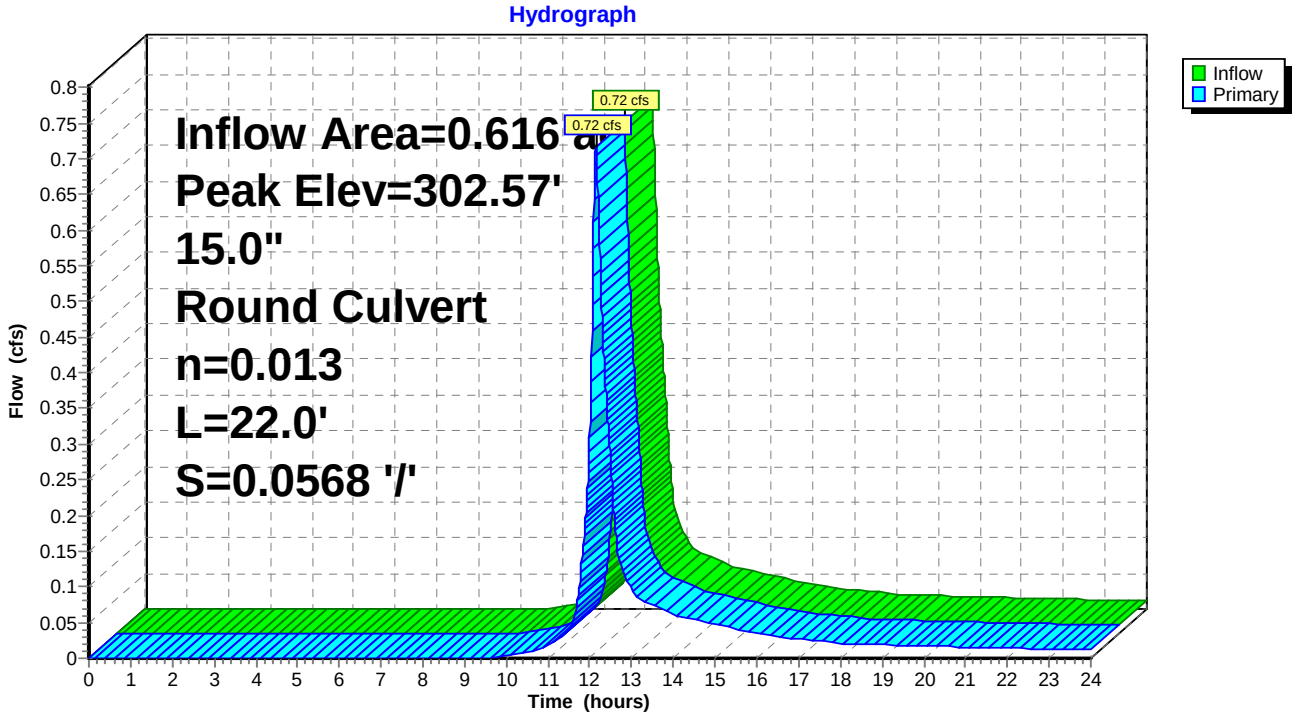
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af
Outflow = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af, Atten= 0%, Lag= 0.0 min
Primary = 0.72 cfs @ 12.15 hrs, Volume= 0.059 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.57' @ 12.15 hrs
Flood Elev= 304.80'

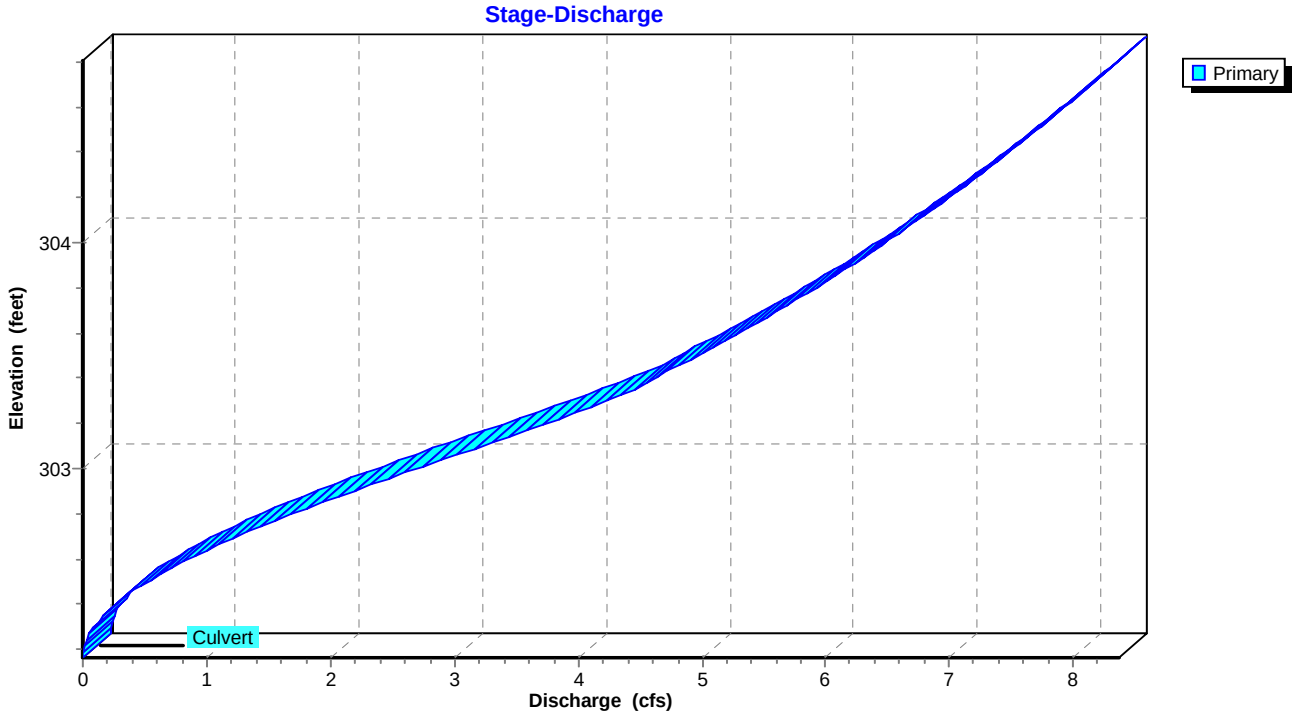
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.72 cfs @ 12.15 hrs HW=302.57' TW=298.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.72 cfs @ 2.14 fps)

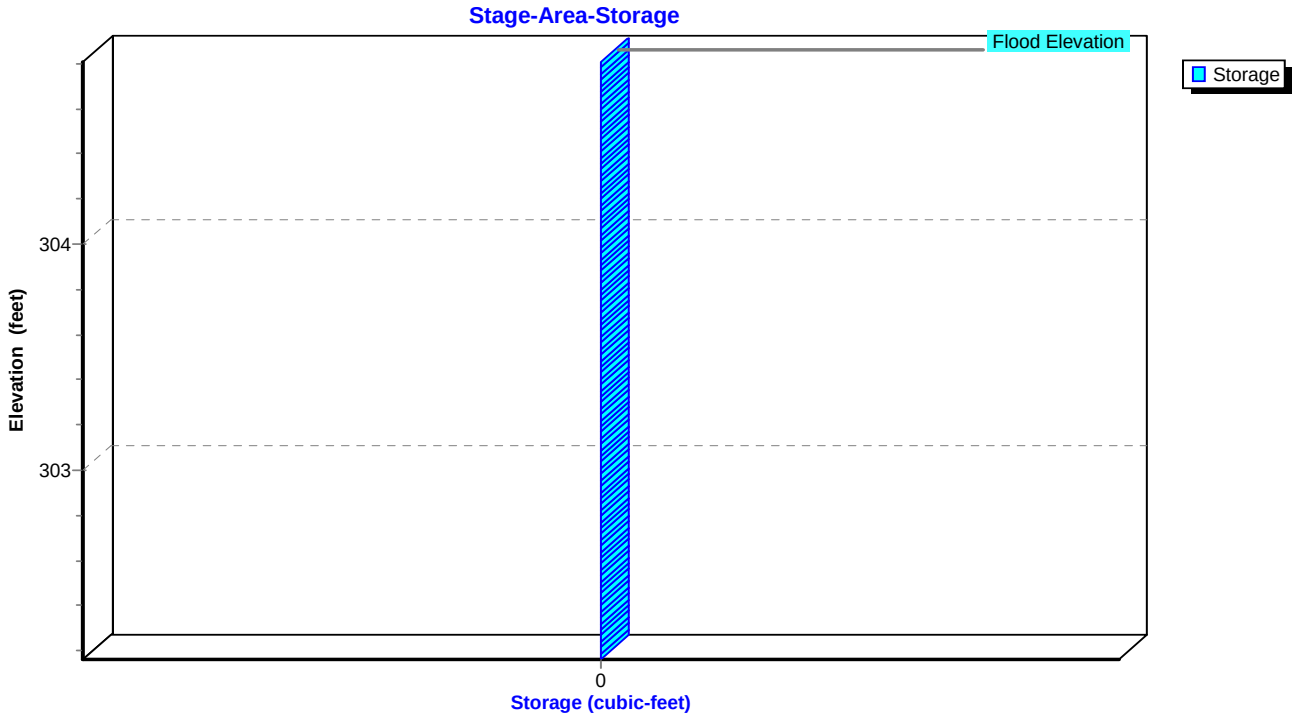
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.17	0.00
8.50	0.00	302.17	0.00
9.00	0.00	302.17	0.00
9.50	0.00	302.17	0.00
10.00	0.00	302.19	0.00
10.50	0.01	302.21	0.01
11.00	0.02	302.23	0.02
11.50	0.04	302.26	0.04
12.00	**0.31**	**302.43**	**0.31**
12.50	**0.27**	**302.41**	**0.27**
13.00	0.10	302.31	0.10
13.50	0.07	302.29	0.07
14.00	0.06	302.28	0.06
14.50	0.05	302.27	0.05
15.00	0.05	302.27	0.05
15.50	0.04	302.26	0.04
16.00	0.03	302.25	0.03
16.50	0.03	302.25	0.03
17.00	0.03	302.24	0.03
17.50	0.02	302.24	0.02
18.00	0.02	302.24	0.02
18.50	0.02	302.23	0.02
19.00	0.02	302.23	0.02
19.50	0.02	302.23	0.02
20.00	0.02	302.23	0.02
20.50	0.02	302.23	0.02
21.00	0.02	302.23	0.02
21.50	0.01	302.22	0.01
22.00	0.01	302.22	0.01
22.50	0.01	302.22	0.01
23.00	0.01	302.22	0.01
23.50	0.01	302.22	0.01
24.00	0.01	302.22	0.01

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

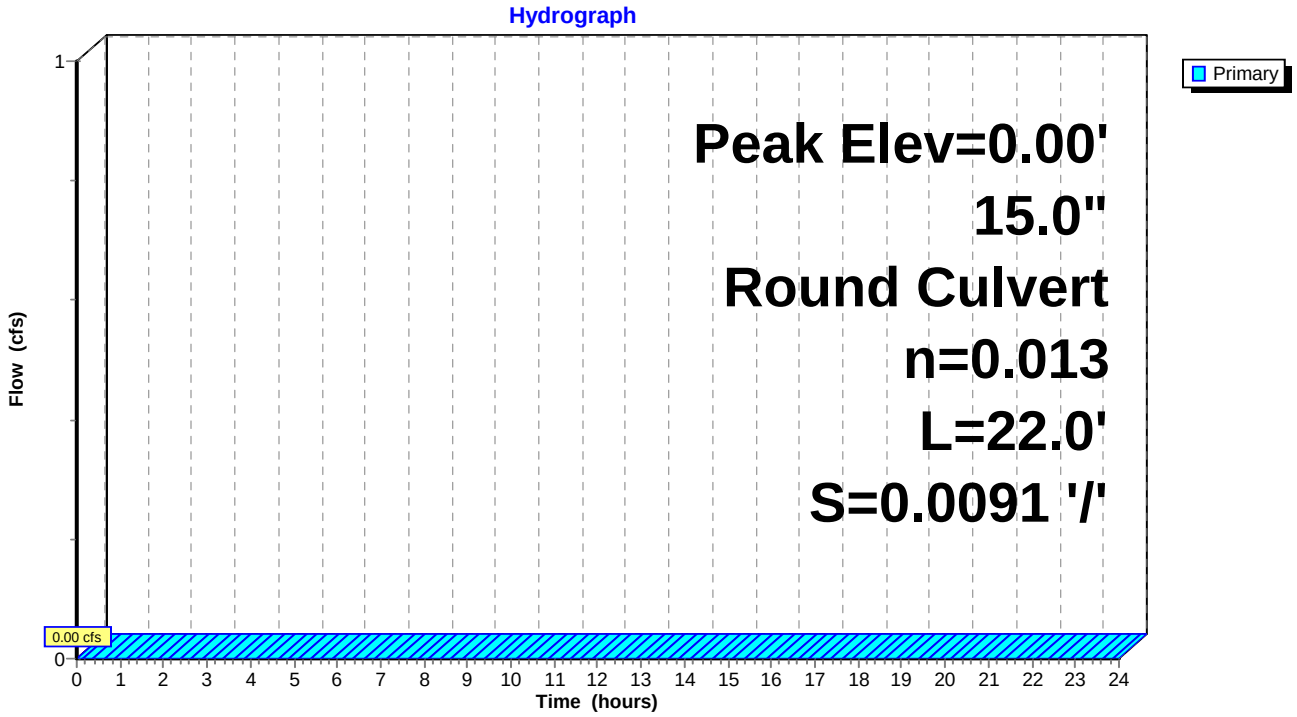
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

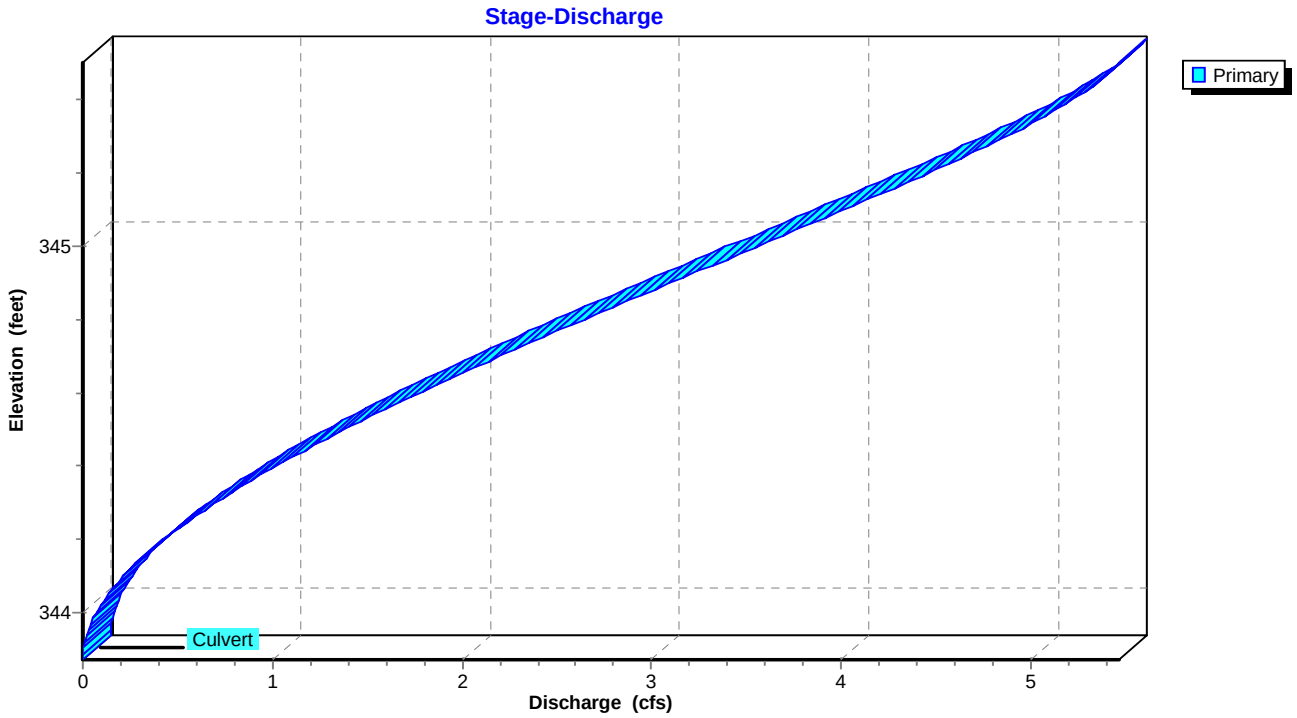
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

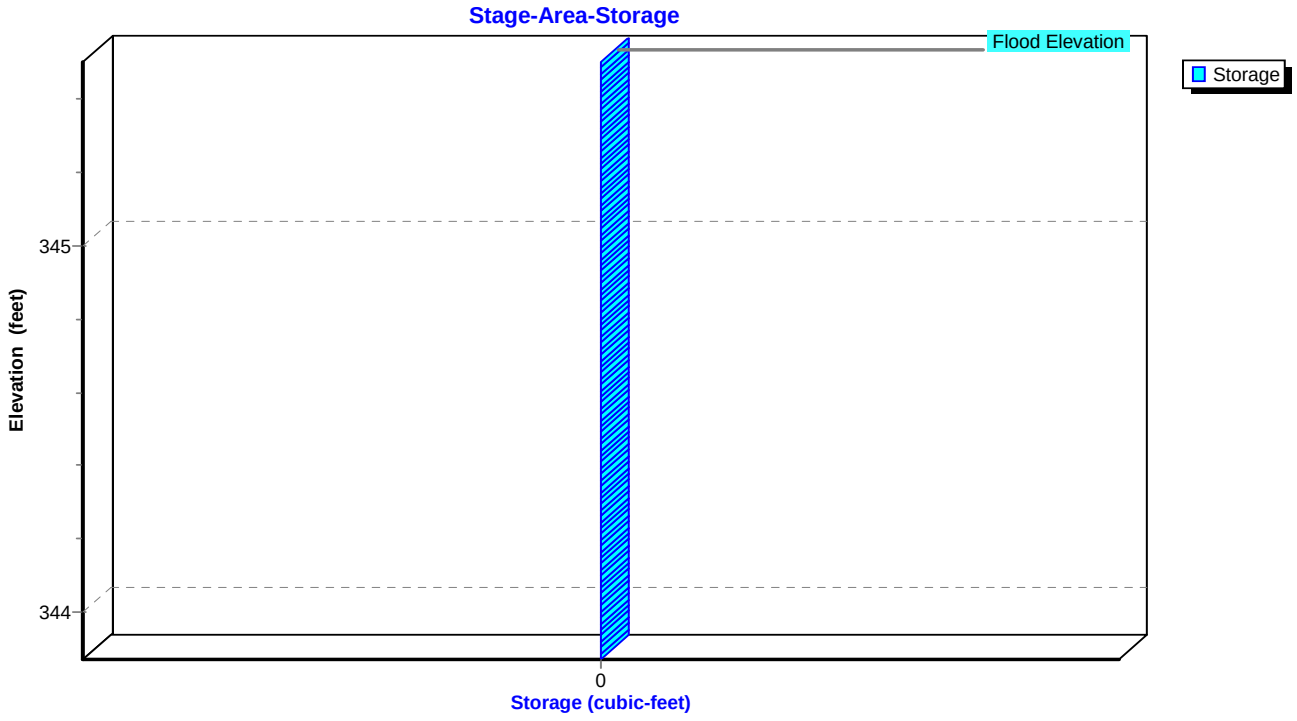
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

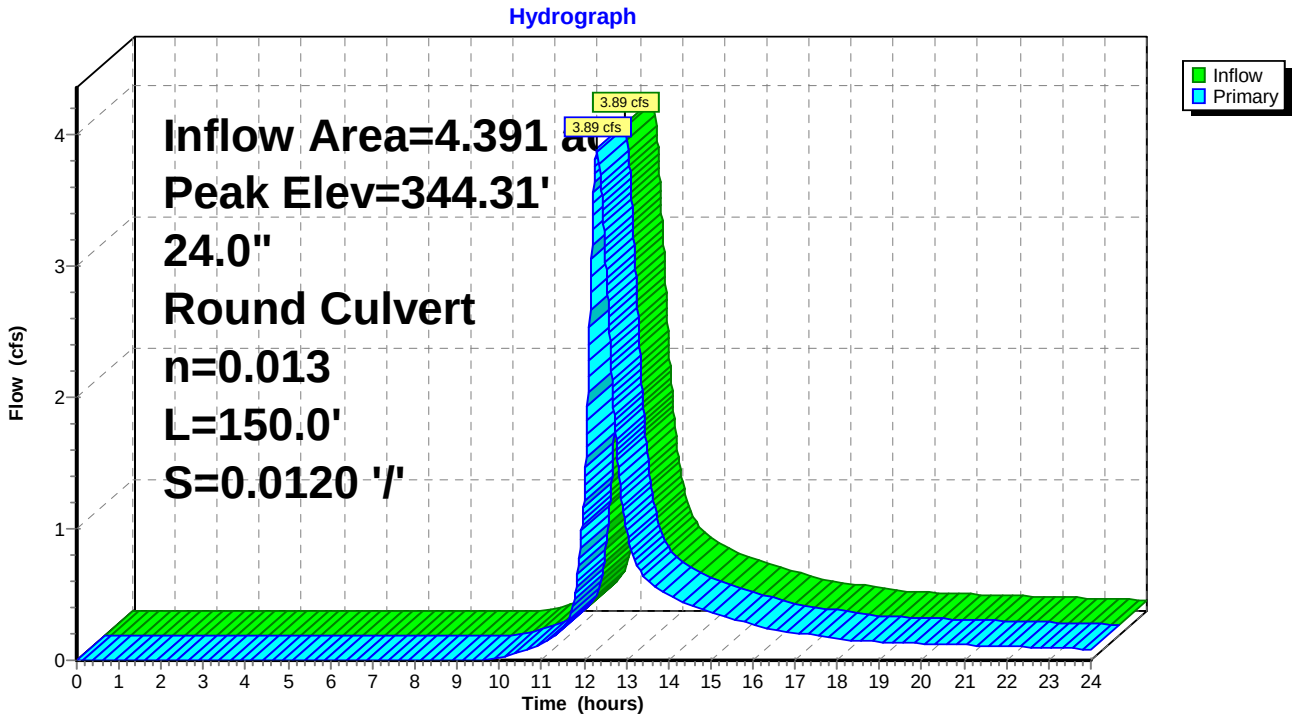
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af
Outflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af, Atten= 0%, Lag= 0.0 min
Primary = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.31' @ 12.31 hrs
Flood Elev= 347.00'

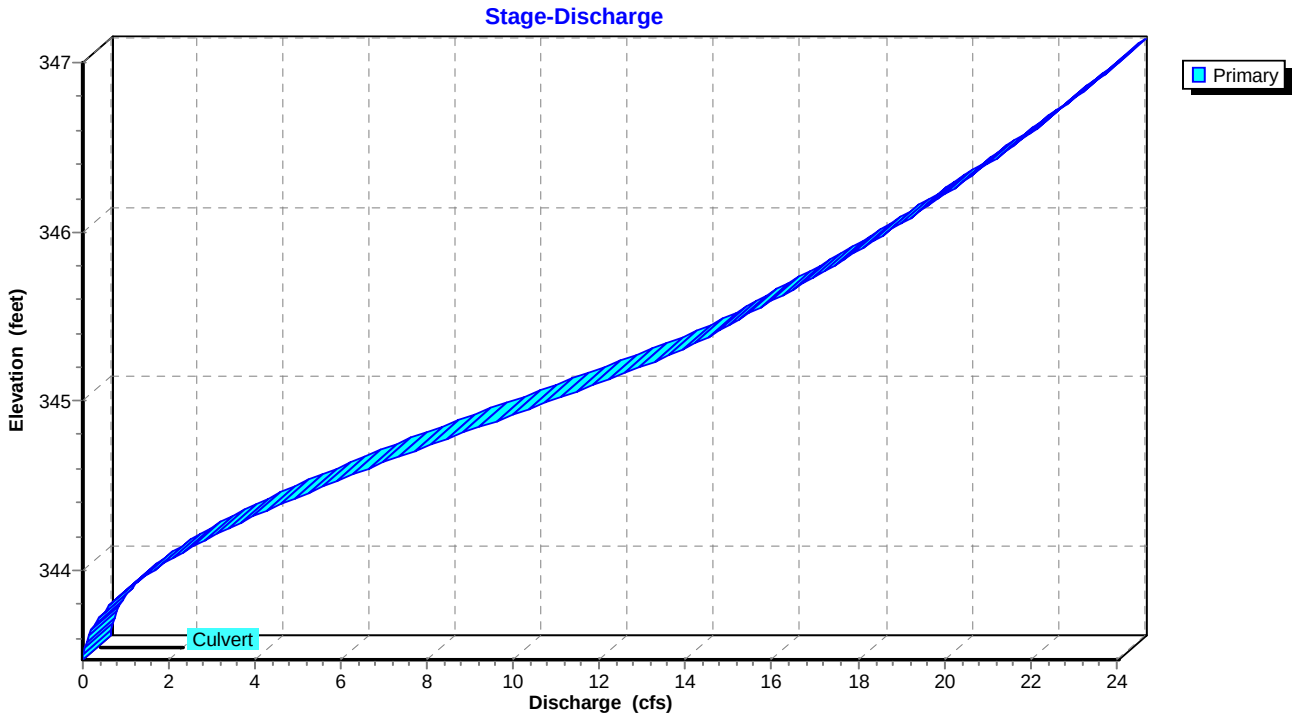
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.89 cfs @ 12.31 hrs HW=344.31' TW=342.42' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.89 cfs @ 3.12 fps)

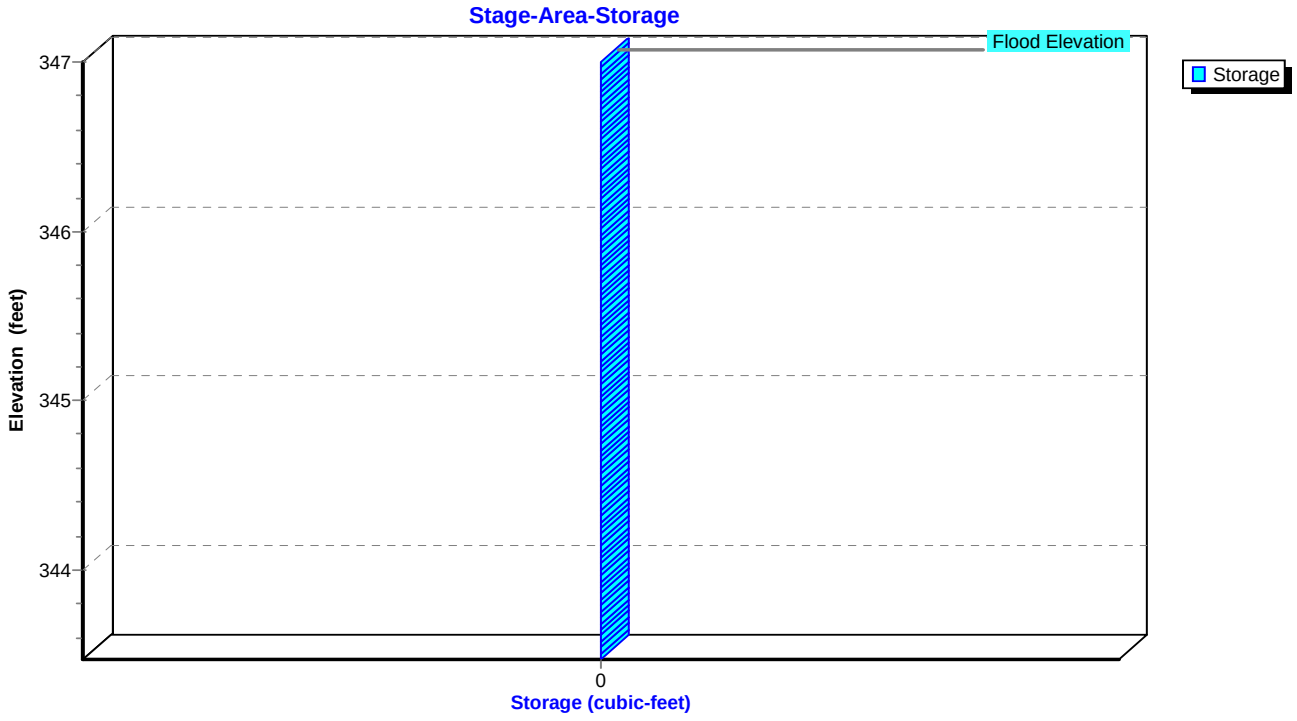
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.47	0.00
8.00	0.00	343.47	0.00
8.50	0.00	343.47	0.00
9.00	0.00	343.47	0.00
9.50	0.00	343.49	0.00
10.00	0.02	343.53	0.02
10.50	0.06	343.57	0.06
11.00	0.13	343.61	0.13
11.50	0.25	343.67	0.25
12.00	**1.21**	**343.92**	**1.21**
12.50	**3.15**	**344.22**	**3.15**
13.00	1.01	343.88	1.01
13.50	0.60	343.78	0.60
14.00	0.49	343.75	0.49
14.50	0.42	343.73	0.42
15.00	0.37	343.71	0.37
15.50	0.32	343.70	0.32
16.00	0.27	343.68	0.27
16.50	0.23	343.66	0.23
17.00	0.21	343.65	0.21
17.50	0.19	343.64	0.19
18.00	0.16	343.63	0.16
18.50	0.15	343.62	0.15
19.00	0.14	343.62	0.14
19.50	0.13	343.62	0.13
20.00	0.13	343.61	0.13
20.50	0.12	343.61	0.12
21.00	0.12	343.61	0.12
21.50	0.11	343.60	0.11
22.00	0.11	343.60	0.11
22.50	0.10	343.60	0.10
23.00	0.09	343.59	0.09
23.50	0.09	343.59	0.09
24.00	0.08	343.59	0.08

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

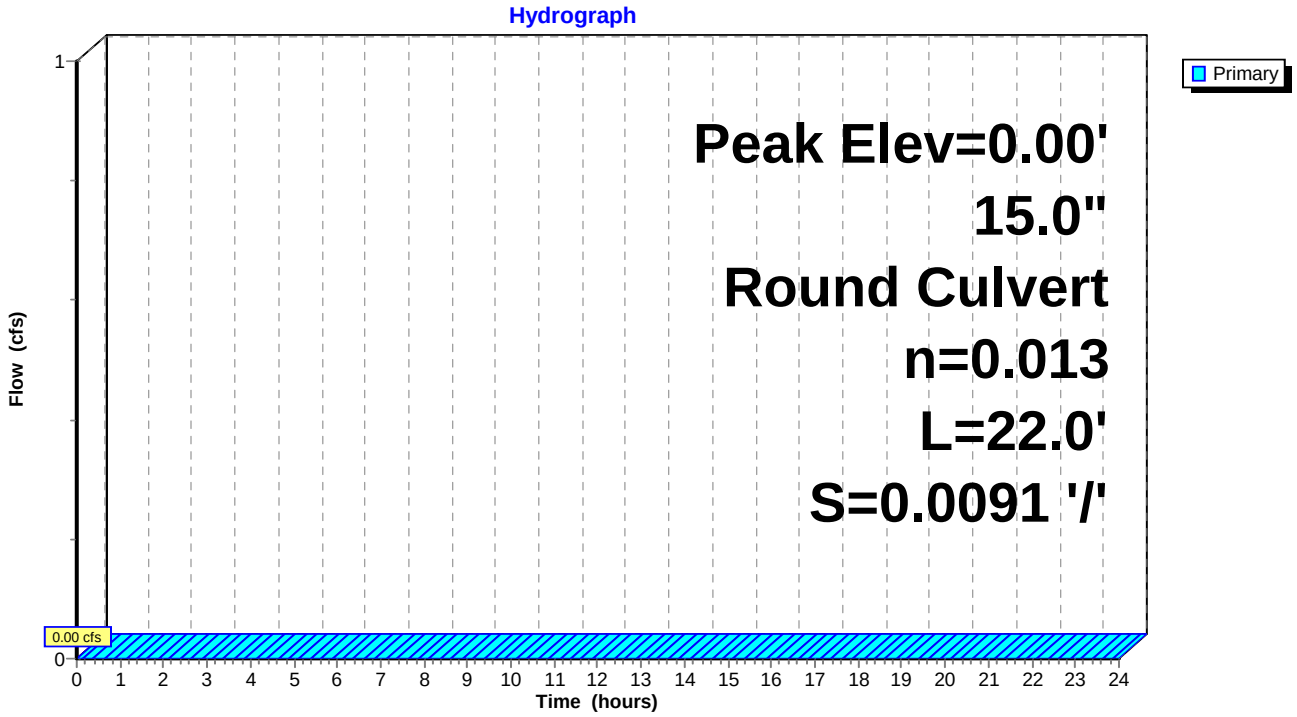
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

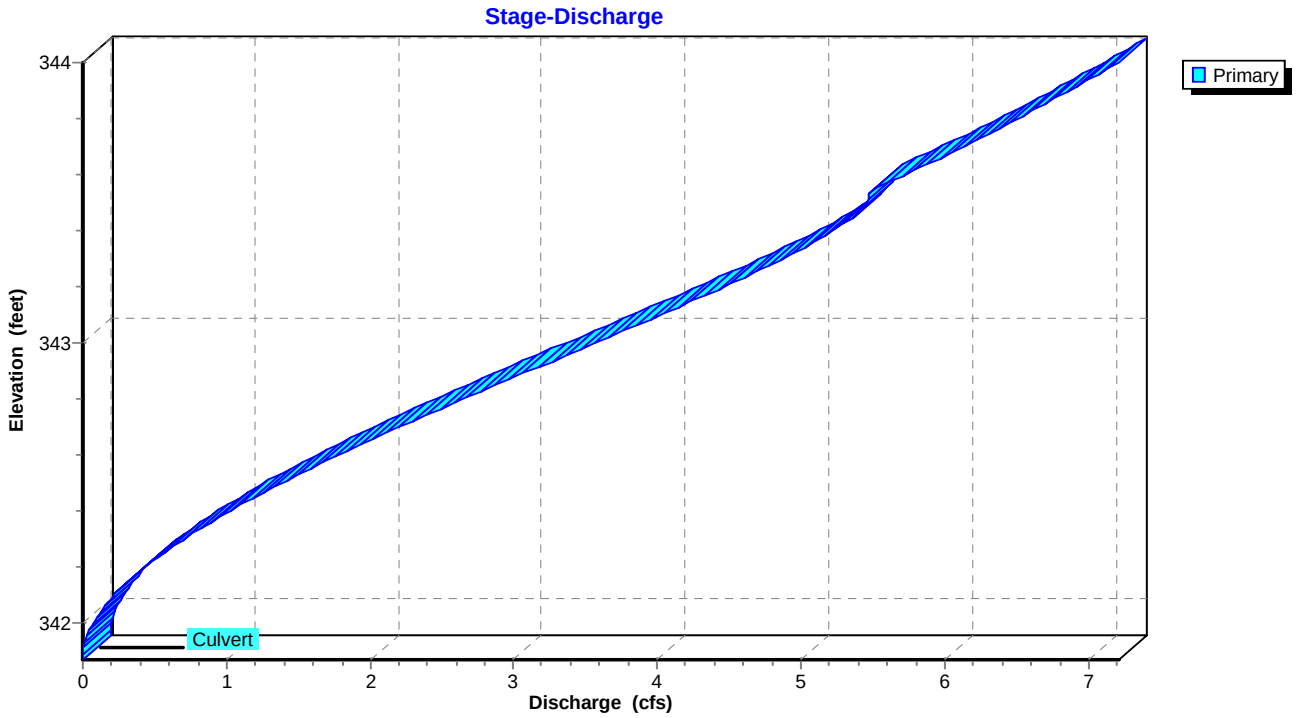
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

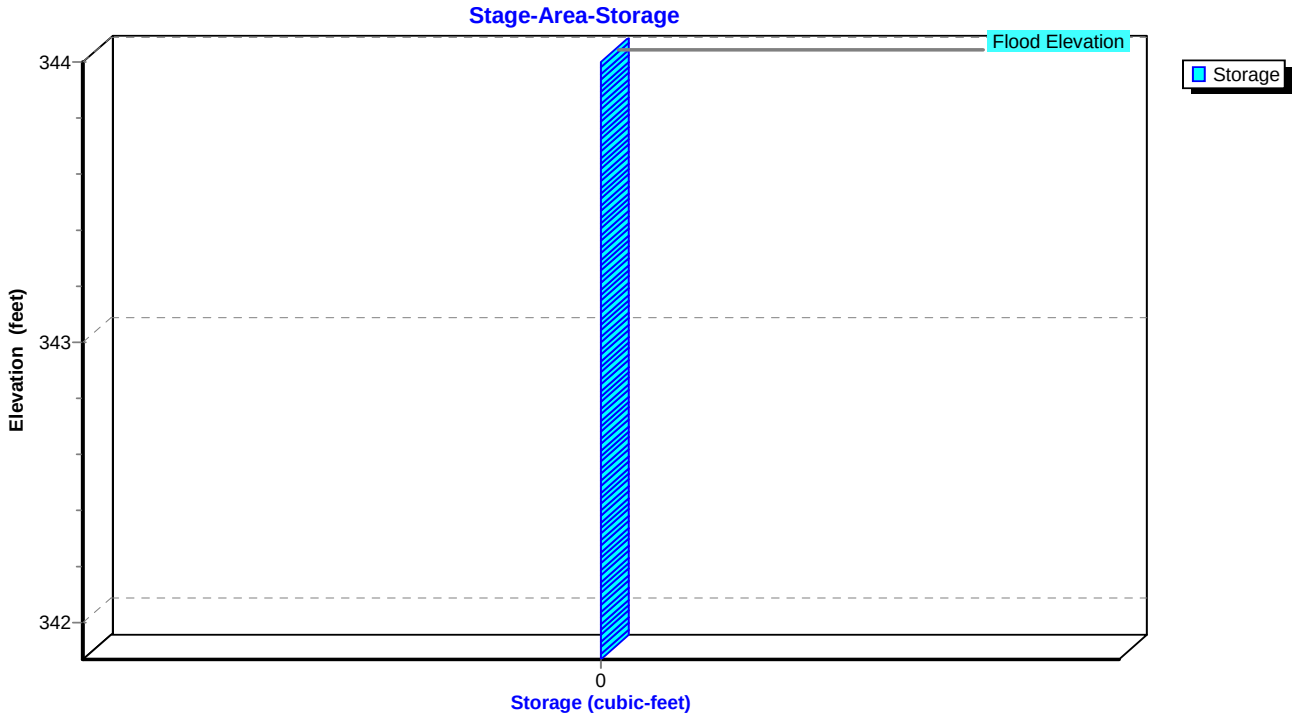
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

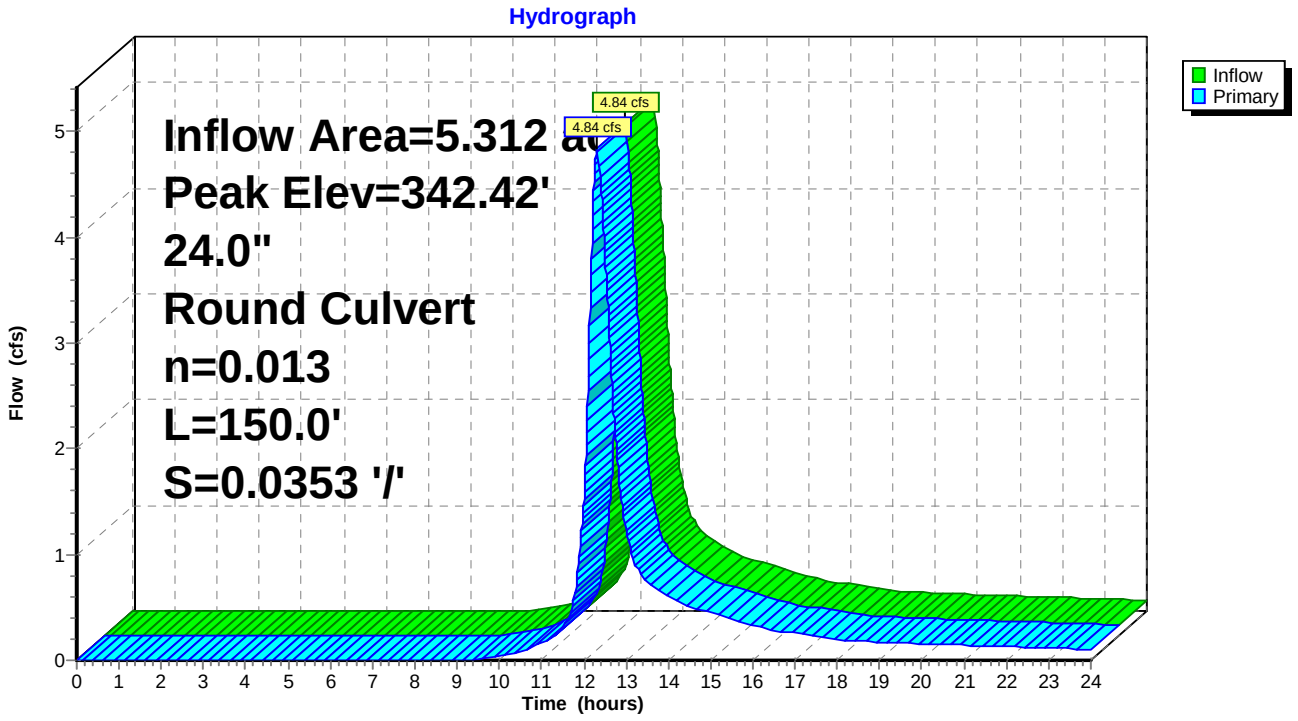
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.24" for 1-Year event
Inflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af
Outflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af, Atten= 0%, Lag= 0.0 min
Primary = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.42' @ 12.31 hrs
Flood Elev= 345.00'

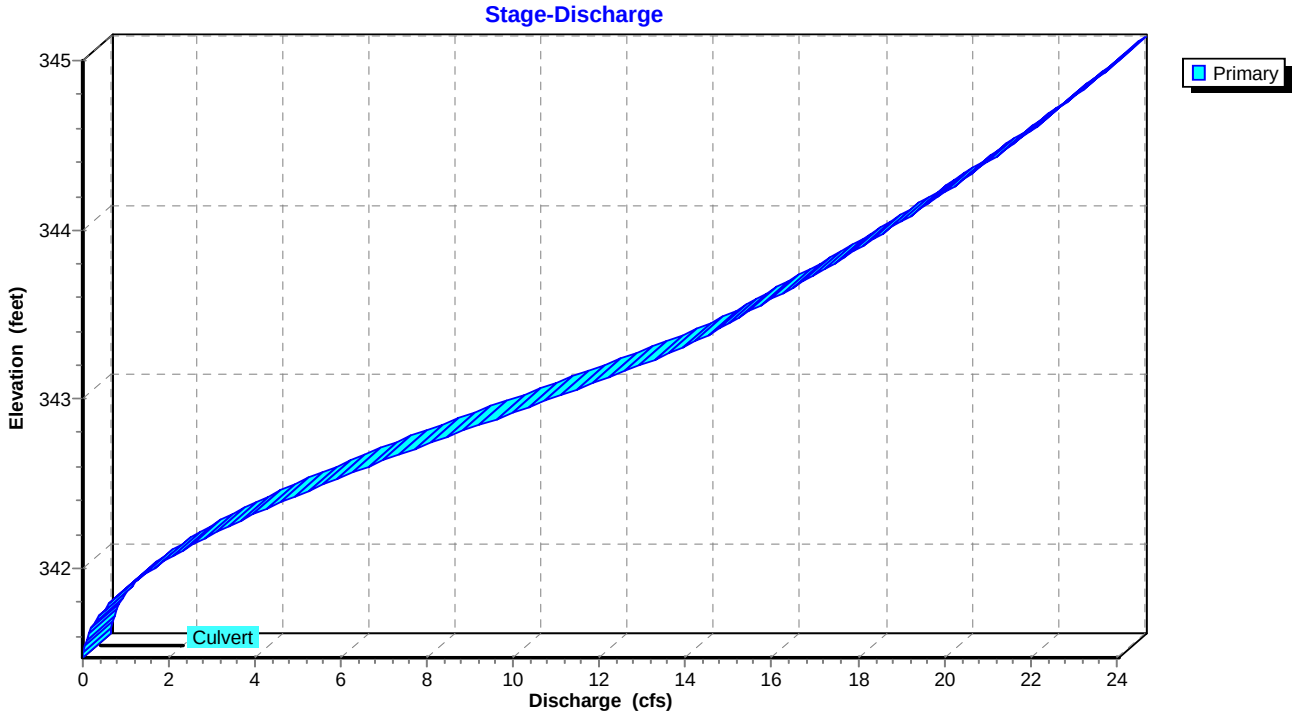
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.84 cfs @ 12.31 hrs HW=342.42' TW=336.10' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.84 cfs @ 3.31 fps)

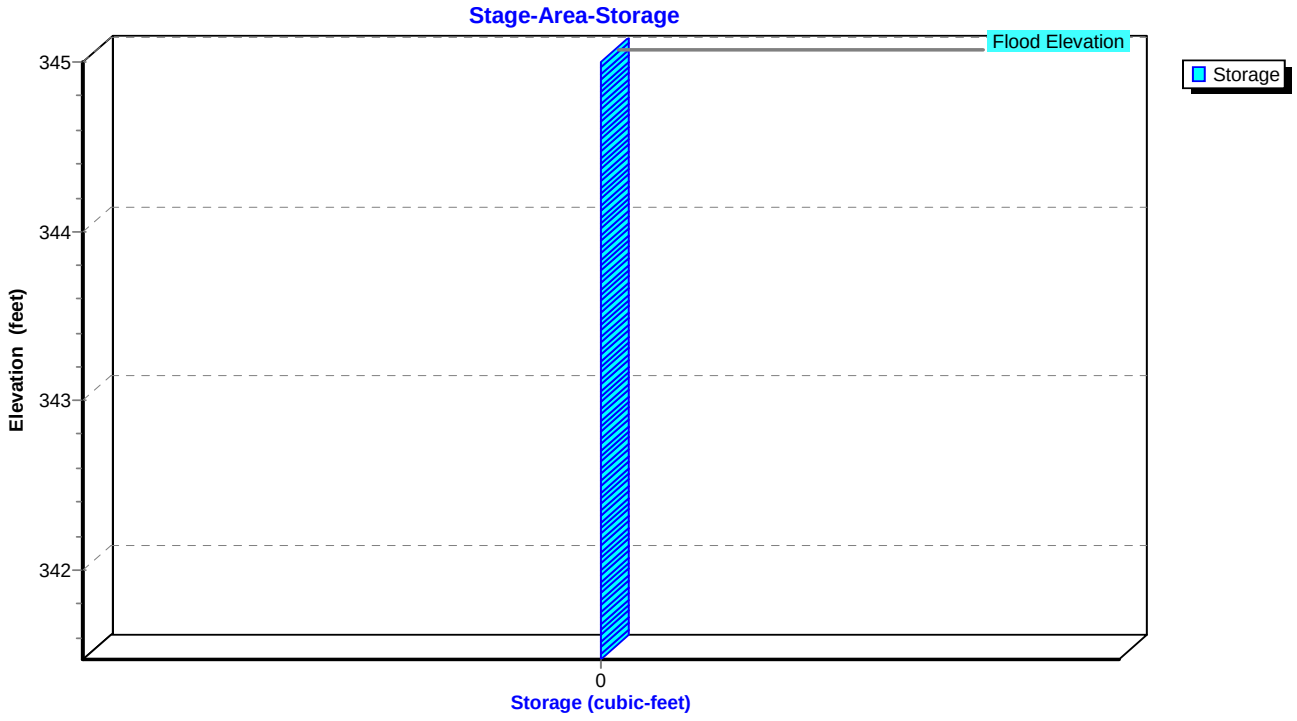
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.47	0.00
7.50	0.00	341.47	0.00
8.00	0.00	341.47	0.00
8.50	0.00	341.47	0.00
9.00	0.00	341.48	0.00
9.50	0.01	341.51	0.01
10.00	0.03	341.54	0.03
10.50	0.08	341.59	0.08
11.00	0.16	341.63	0.16
11.50	0.32	341.70	0.32
12.00	**1.53**	**341.98**	**1.53**
12.50	**3.86**	**342.30**	**3.86**
13.00	1.23	341.92	1.23
13.50	0.74	341.82	0.74
14.00	0.60	341.78	0.60
14.50	0.51	341.76	0.51
15.00	0.45	341.74	0.45
15.50	0.39	341.72	0.39
16.00	0.33	341.70	0.33
16.50	0.28	341.68	0.28
17.00	0.25	341.67	0.25
17.50	0.23	341.66	0.23
18.00	0.20	341.65	0.20
18.50	0.18	341.64	0.18
19.00	0.17	341.63	0.17
19.50	0.16	341.63	0.16
20.00	0.15	341.63	0.15
20.50	0.15	341.62	0.15
21.00	0.14	341.62	0.14
21.50	0.13	341.62	0.13
22.00	0.13	341.61	0.13
22.50	0.12	341.61	0.12
23.00	0.12	341.61	0.12
23.50	0.11	341.60	0.11
24.00	0.10	341.60	0.10

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

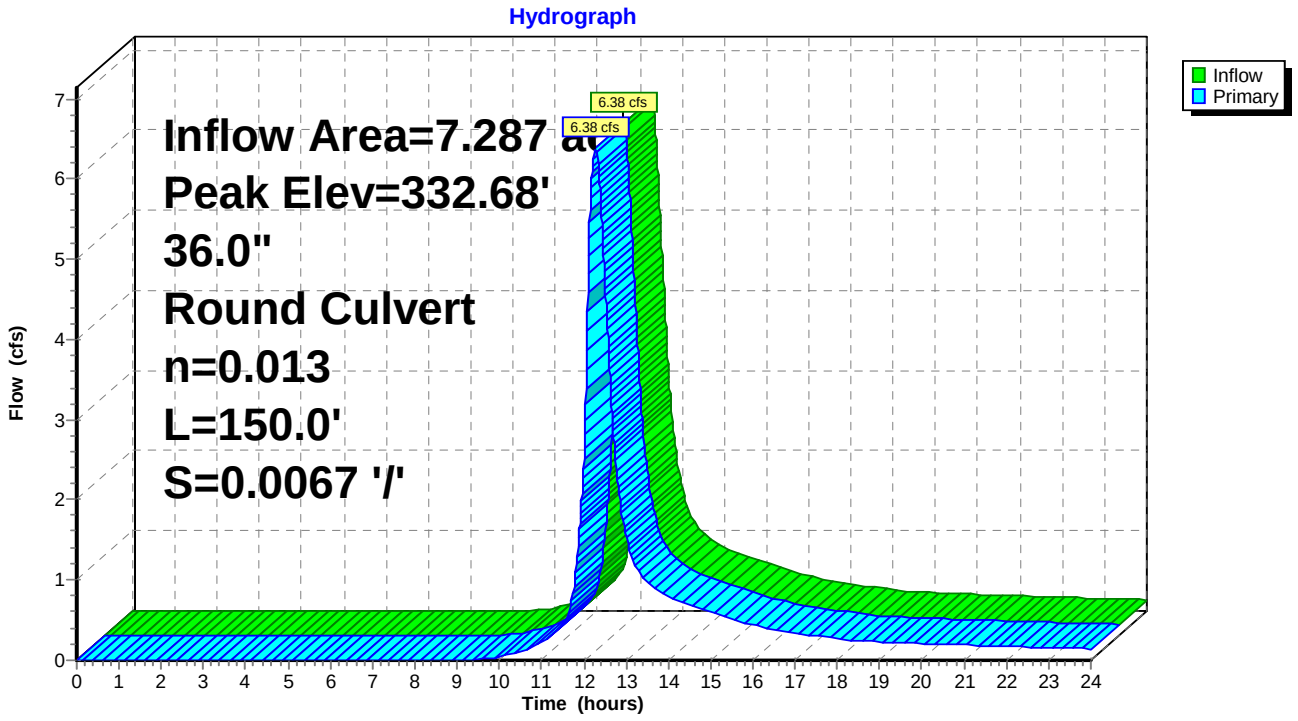
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.68' @ 12.27 hrs
Flood Elev= 337.75'

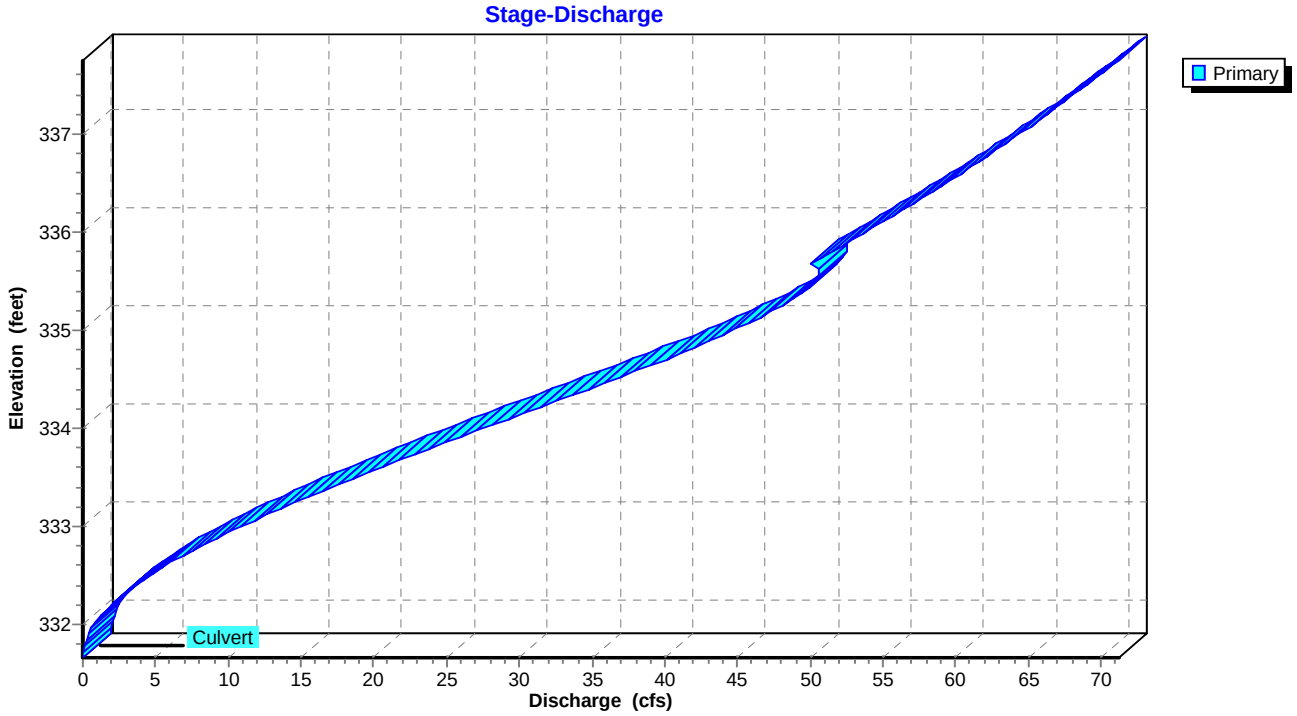
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=332.67' TW=331.47' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.38 cfs @ 4.58 fps)

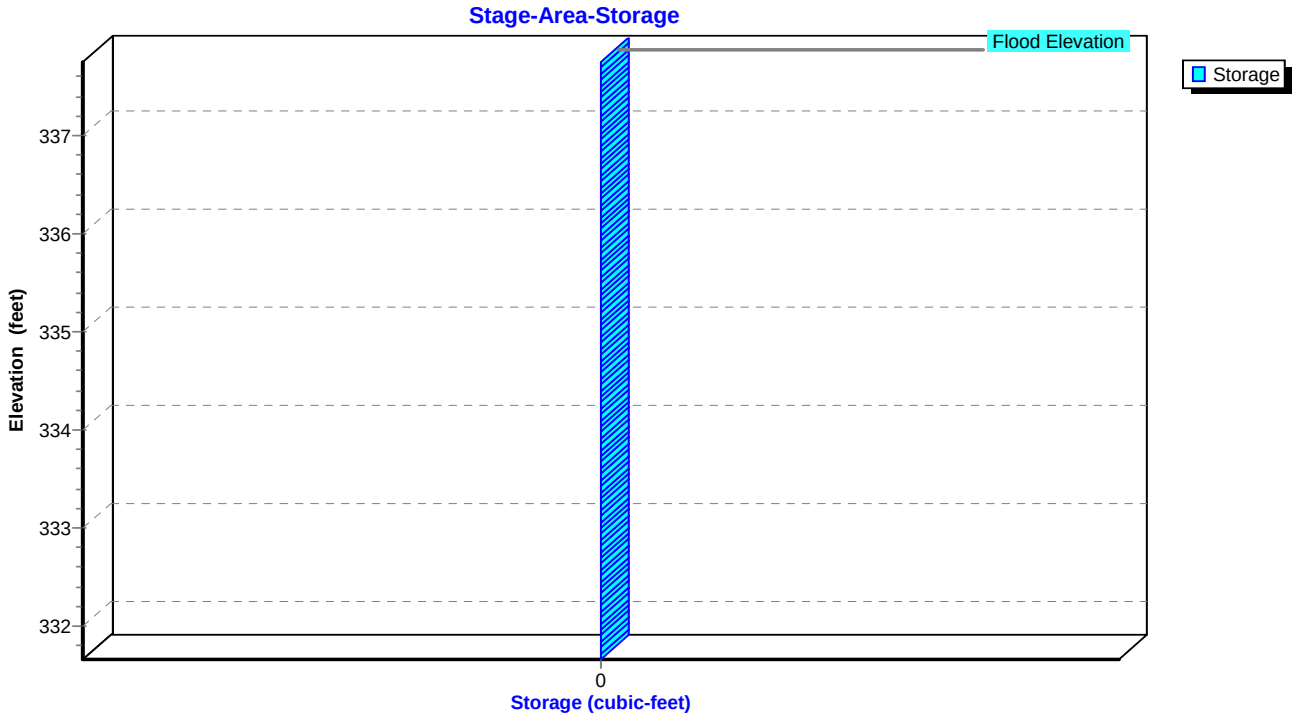
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.67	0.00
7.50	0.00	331.67	0.00
8.00	0.00	331.67	0.00
8.50	0.00	331.67	0.00
9.00	0.00	331.68	0.00
9.50	0.01	331.71	0.01
10.00	0.04	331.76	0.04
10.50	0.11	331.81	0.11
11.00	0.22	331.86	0.22
11.50	0.45	331.93	0.45
12.00	**2.51**	**332.28**	**2.51**
12.50	**4.74**	**332.52**	**4.74**
13.00	1.55	332.15	1.55
13.50	0.98	332.05	0.98
14.00	0.80	332.02	0.80
14.50	0.68	331.99	0.68
15.00	0.60	331.97	0.60
15.50	0.52	331.95	0.52
16.00	0.44	331.93	0.44
16.50	0.38	331.91	0.38
17.00	0.34	331.90	0.34
17.50	0.30	331.89	0.30
18.00	0.27	331.87	0.27
18.50	0.24	331.86	0.24
19.00	0.23	331.86	0.23
19.50	0.22	331.86	0.22
20.00	0.21	331.85	0.21
20.50	0.20	331.85	0.20
21.00	0.19	331.84	0.19
21.50	0.18	331.84	0.18
22.00	0.17	331.84	0.17
22.50	0.16	331.83	0.16
23.00	0.16	331.83	0.16
23.50	0.15	331.82	0.15
24.00	0.14	331.82	0.14

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

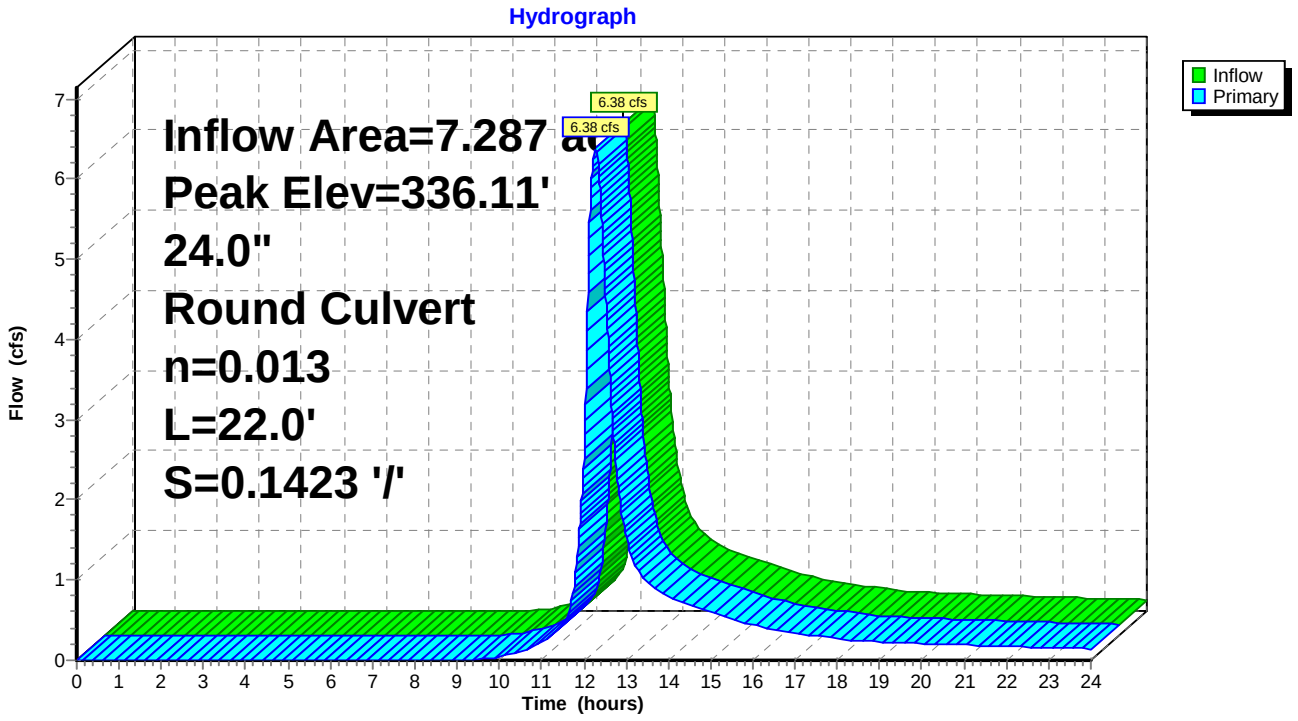
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.11' @ 12.27 hrs
Flood Elev= 339.50'

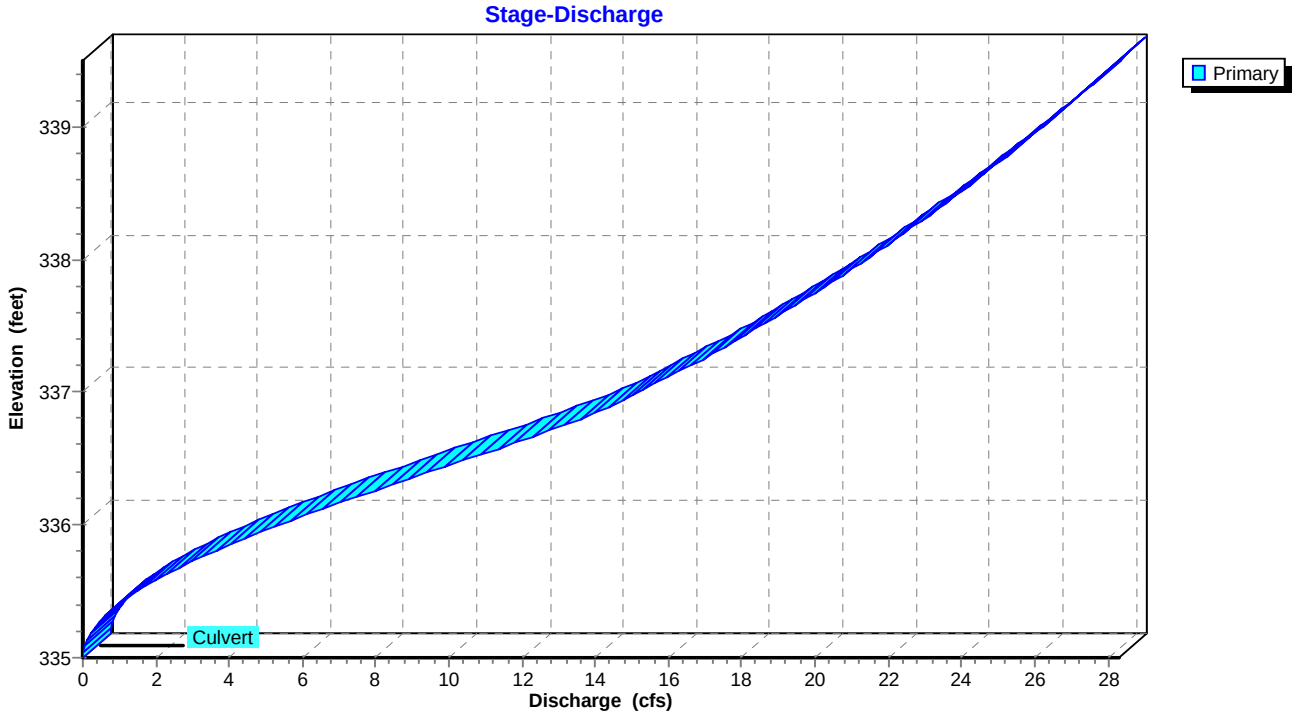
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=336.11' TW=332.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.38 cfs @ 3.58 fps)

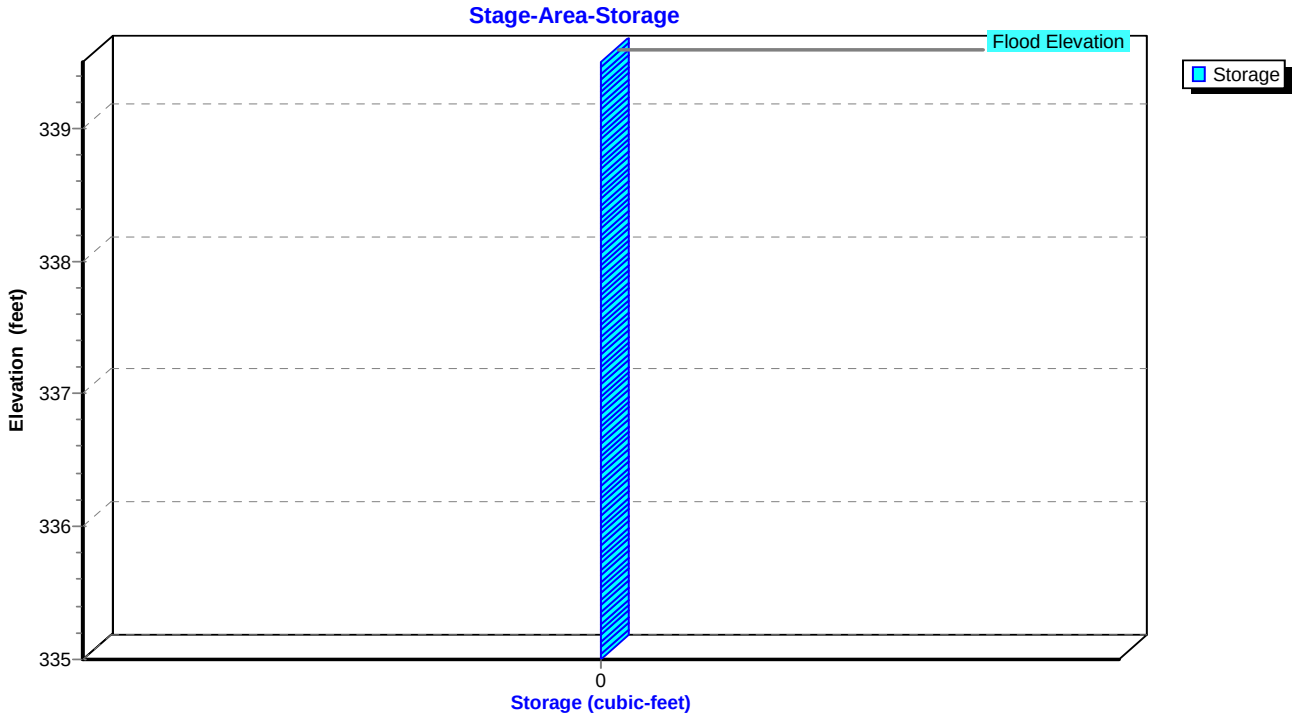
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.00	0.00
7.50	0.00	335.00	0.00
8.00	0.00	335.00	0.00
8.50	0.00	335.00	0.00
9.00	0.00	335.01	0.00
9.50	0.01	335.04	0.01
10.00	0.04	335.08	0.04
10.50	0.11	335.13	0.11
11.00	0.22	335.19	0.22
11.50	0.45	335.27	0.45
12.00	**2.51**	**335.66**	**2.51**
12.50	**4.74**	**335.94**	**4.74**
13.00	1.55	335.51	1.55
13.50	0.98	335.40	0.98
14.00	0.80	335.36	0.80
14.50	0.68	335.33	0.68
15.00	0.60	335.31	0.60
15.50	0.52	335.29	0.52
16.00	0.44	335.27	0.44
16.50	0.38	335.25	0.38
17.00	0.34	335.23	0.34
17.50	0.30	335.22	0.30
18.00	0.27	335.21	0.27
18.50	0.24	335.20	0.24
19.00	0.23	335.19	0.23
19.50	0.22	335.19	0.22
20.00	0.21	335.18	0.21
20.50	0.20	335.18	0.20
21.00	0.19	335.17	0.19
21.50	0.18	335.17	0.18
22.00	0.17	335.17	0.17
22.50	0.16	335.16	0.16
23.00	0.16	335.16	0.16
23.50	0.15	335.15	0.15
24.00	0.14	335.15	0.14

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

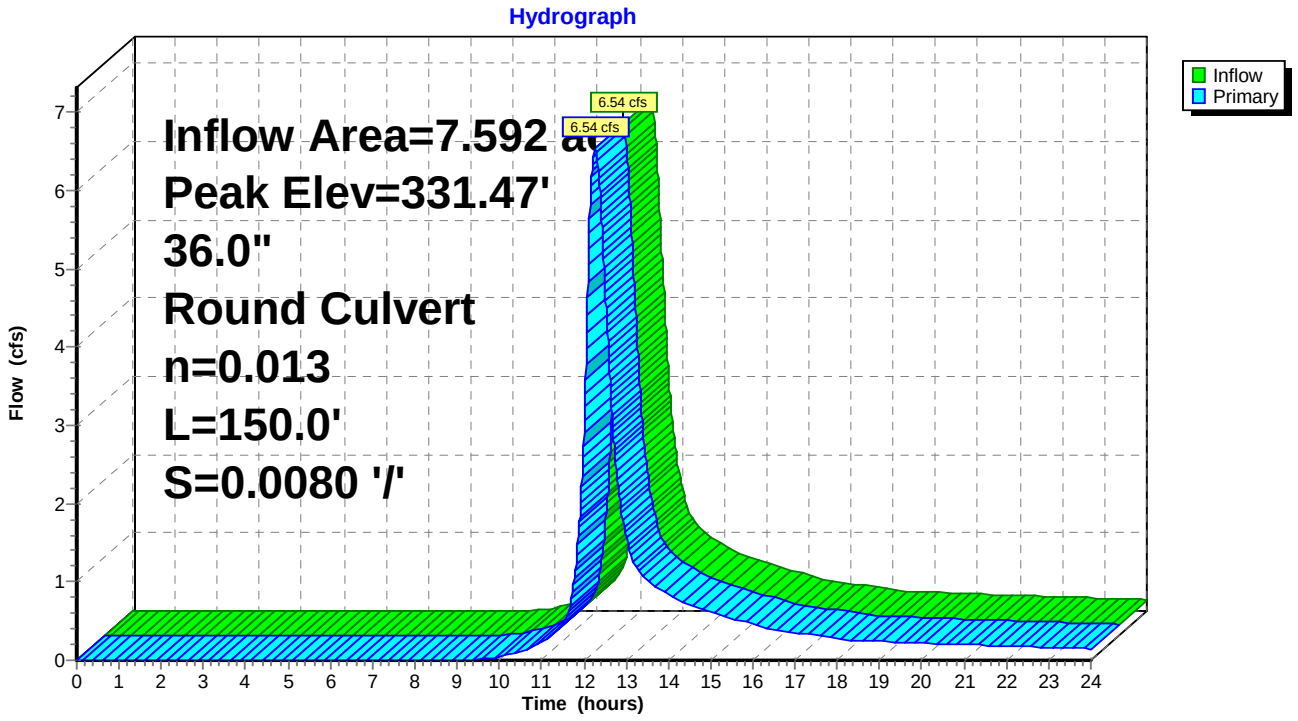
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 1.21" for 1-Year event
Inflow = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af
Outflow = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af, Atten= 0%, Lag= 0.0 min
Primary = 6.54 cfs @ 12.27 hrs, Volume= 0.765 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.47' @ 12.26 hrs
Flood Elev= 335.00'

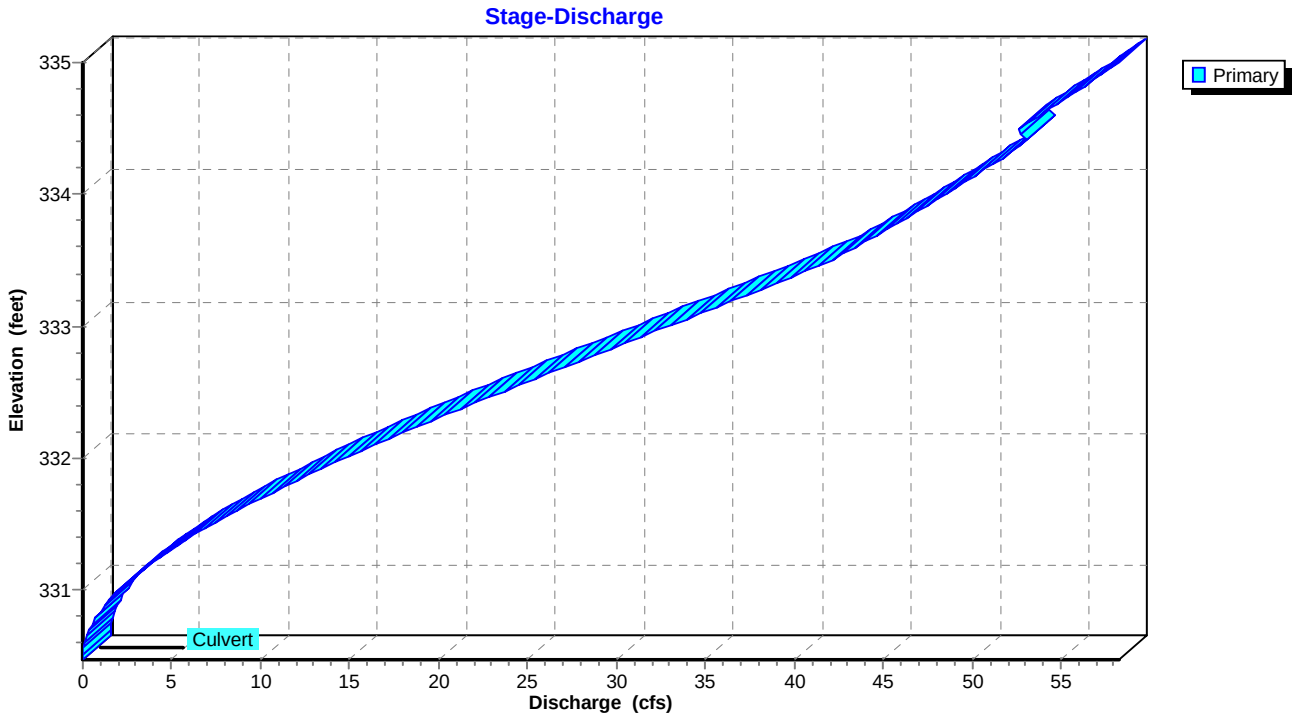
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.54 cfs @ 12.27 hrs HW=331.47' TW=330.16' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.54 cfs @ 4.76 fps)

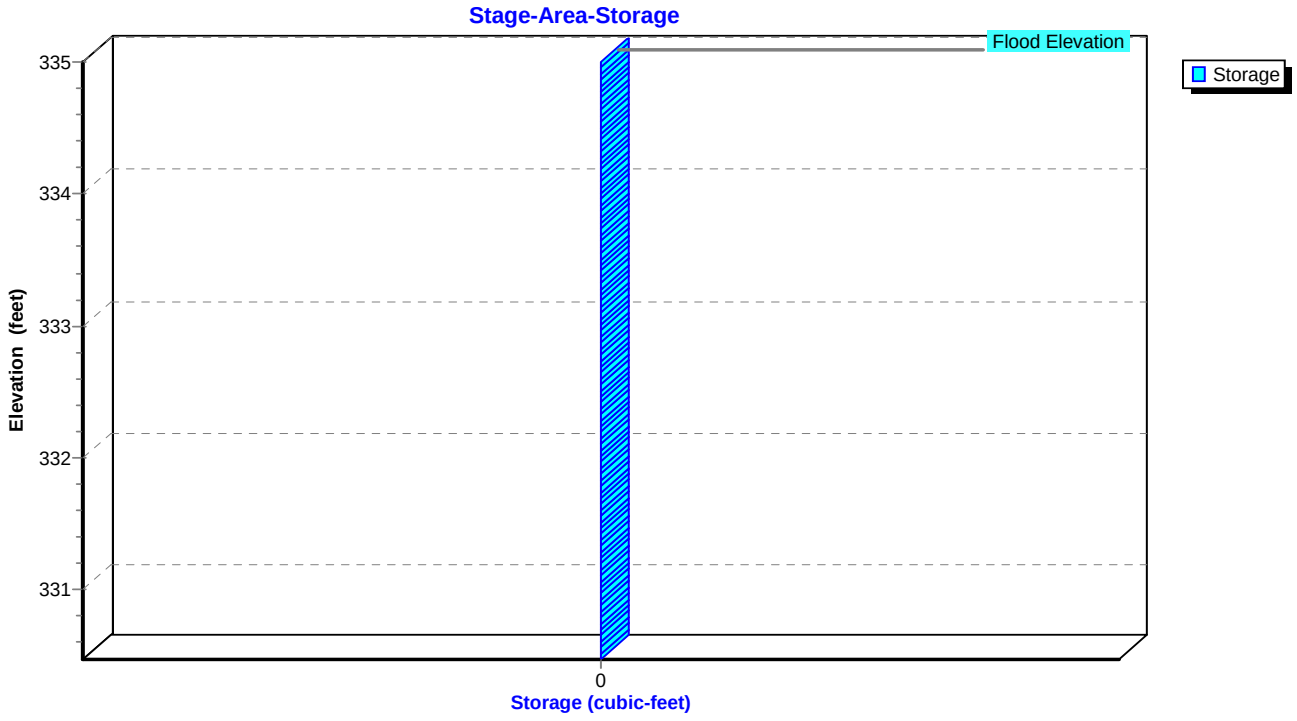
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.47	0.00
7.50	0.00	330.47	0.00
8.00	0.00	330.47	0.00
8.50	0.00	330.47	0.00
9.00	0.00	330.48	0.00
9.50	0.01	330.51	0.01
10.00	0.04	330.55	0.04
10.50	0.12	330.60	0.12
11.00	0.23	330.65	0.23
11.50	0.47	330.73	0.47
12.00	**2.90**	**331.10**	**2.90**
12.50	**4.81**	**331.30**	**4.81**
13.00	1.58	330.93	1.58
13.50	1.01	330.84	1.01
14.00	0.83	330.81	0.83
14.50	0.70	330.78	0.70
15.00	0.62	330.76	0.62
15.50	0.54	330.74	0.54
16.00	0.45	330.72	0.45
16.50	0.39	330.71	0.39
17.00	0.35	330.69	0.35
17.50	0.32	330.68	0.32
18.00	0.28	330.67	0.28
18.50	0.25	330.66	0.25
19.00	0.24	330.66	0.24
19.50	0.23	330.65	0.23
20.00	0.22	330.65	0.22
20.50	0.21	330.64	0.21
21.00	0.20	330.64	0.20
21.50	0.19	330.64	0.19
22.00	0.18	330.63	0.18
22.50	0.17	330.63	0.17
23.00	0.16	330.62	0.16
23.50	0.15	330.62	0.15
24.00	0.14	330.62	0.14

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

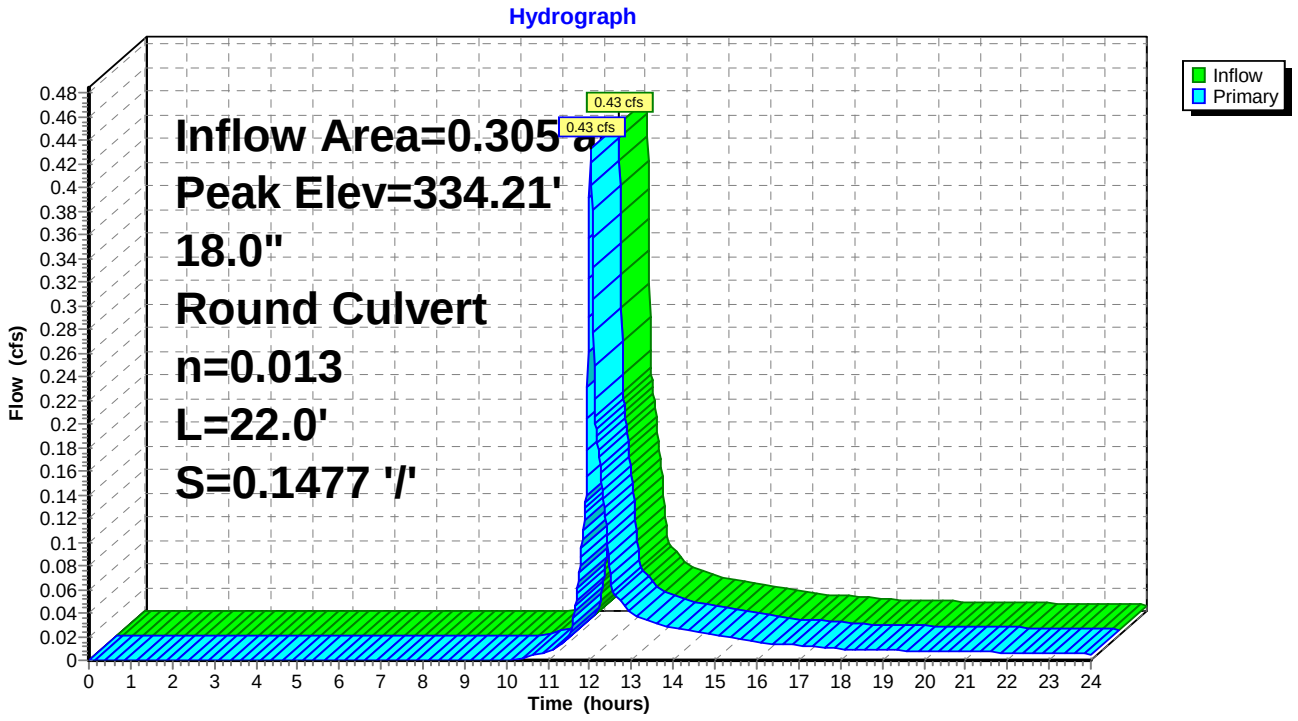
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af
Outflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.21' @ 12.02 hrs
Flood Elev= 336.50'

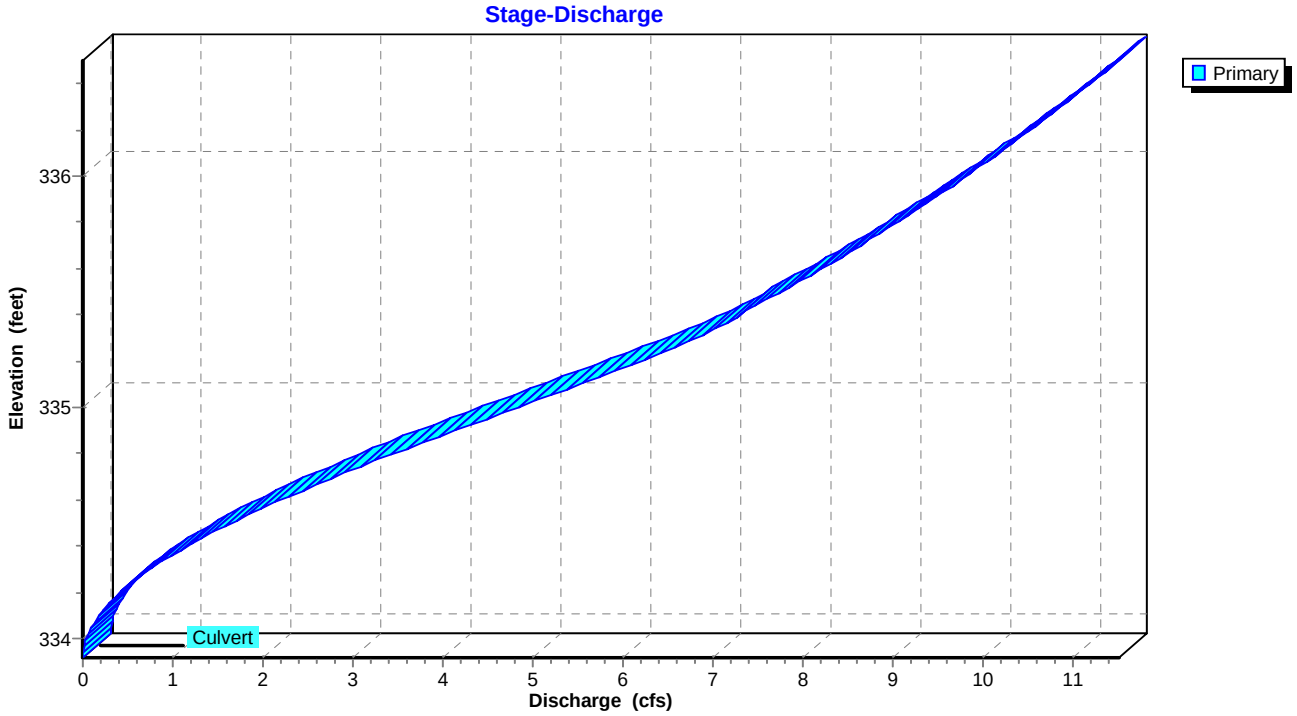
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.43 cfs @ 12.02 hrs HW=334.21' TW=331.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.43 cfs @ 1.83 fps)

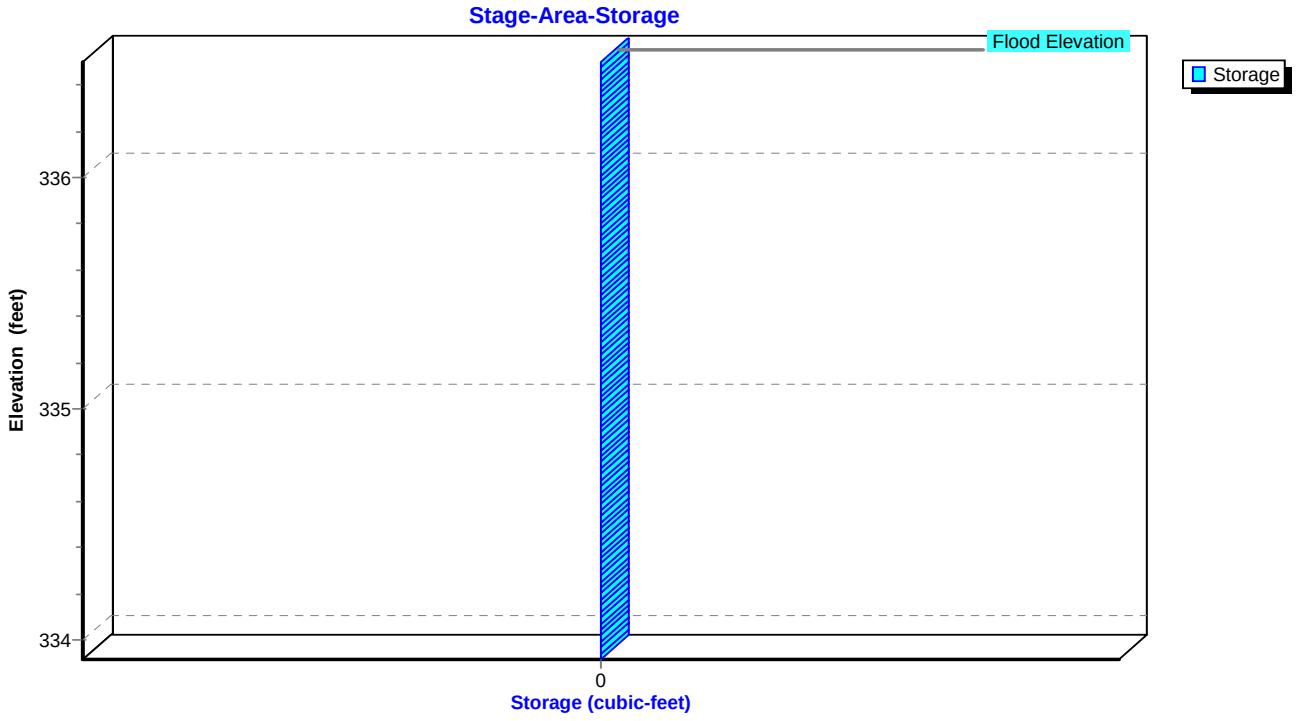
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.92	0.00
10.00	0.00	333.92	0.00
10.50	0.00	333.94	0.00
11.00	0.01	333.96	0.01
11.50	0.02	333.98	0.02
12.00	**0.39**	**334.19**	**0.39**
12.50	**0.07**	**334.03**	**0.07**
13.00	0.04	334.00	0.04
13.50	0.03	334.00	0.03
14.00	0.03	333.99	0.03
14.50	0.02	333.99	0.02
15.00	0.02	333.98	0.02
15.50	0.02	333.98	0.02
16.00	0.02	333.97	0.02
16.50	0.01	333.97	0.01
17.00	0.01	333.97	0.01
17.50	0.01	333.96	0.01
18.00	0.01	333.96	0.01
18.50	0.01	333.96	0.01
19.00	0.01	333.96	0.01
19.50	0.01	333.96	0.01
20.00	0.01	333.96	0.01
20.50	0.01	333.96	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.95	0.01
22.50	0.01	333.95	0.01
23.00	0.01	333.95	0.01
23.50	0.01	333.95	0.01
24.00	0.01	333.95	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

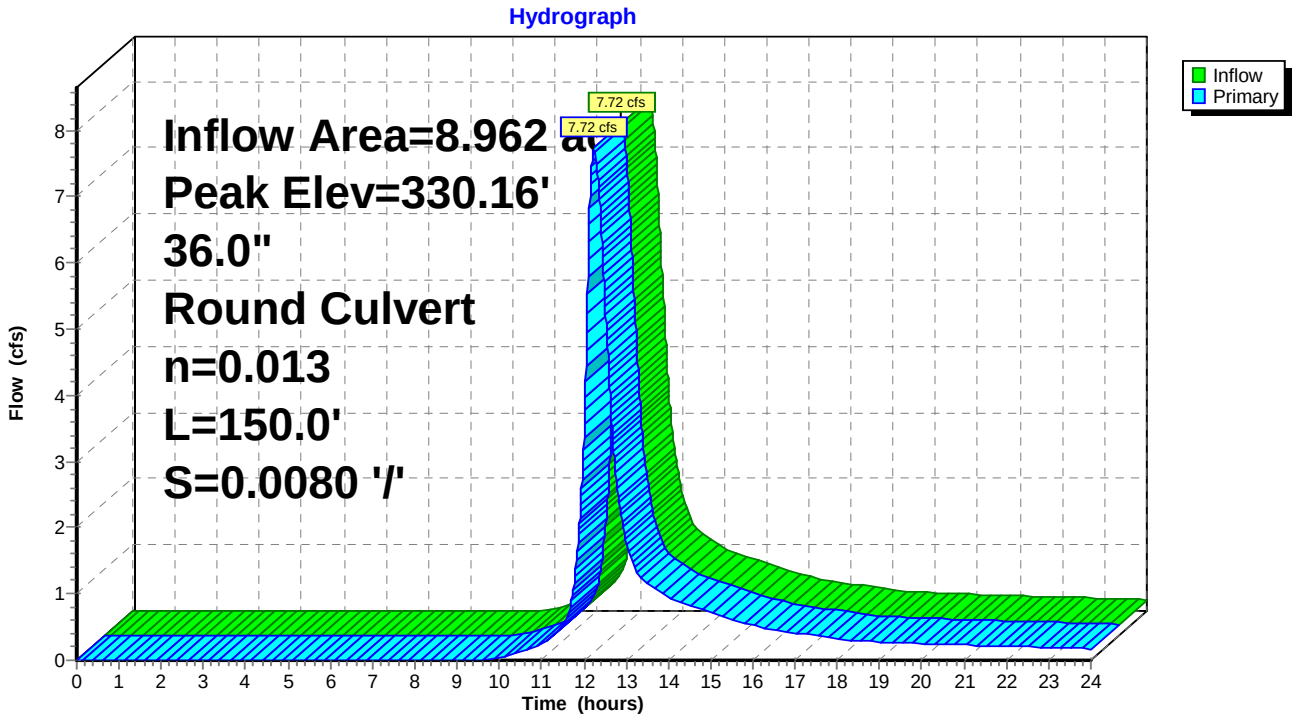
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.18" for 1-Year event
Inflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af
Outflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af, Atten= 0%, Lag= 0.0 min
Primary = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.16' @ 12.23 hrs
Flood Elev= 337.00'

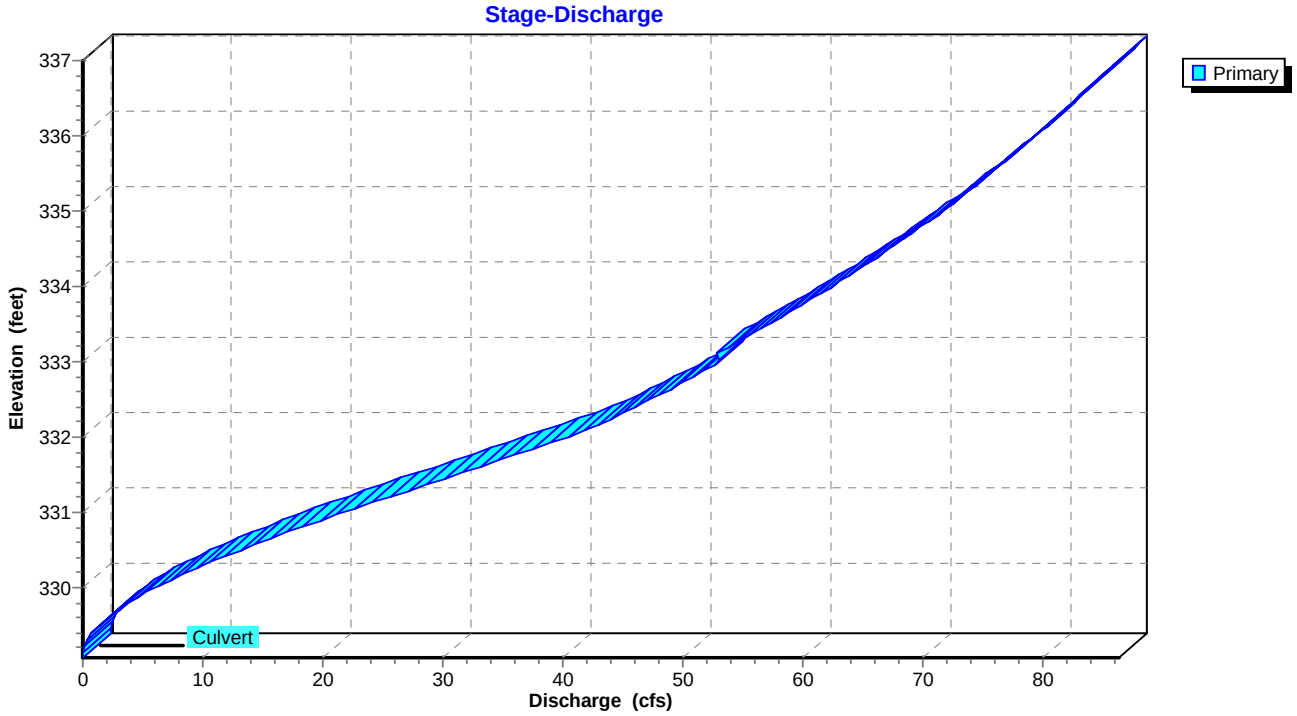
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=7.73 cfs @ 12.23 hrs HW=330.16' TW=328.82' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 7.73 cfs @ 4.96 fps)

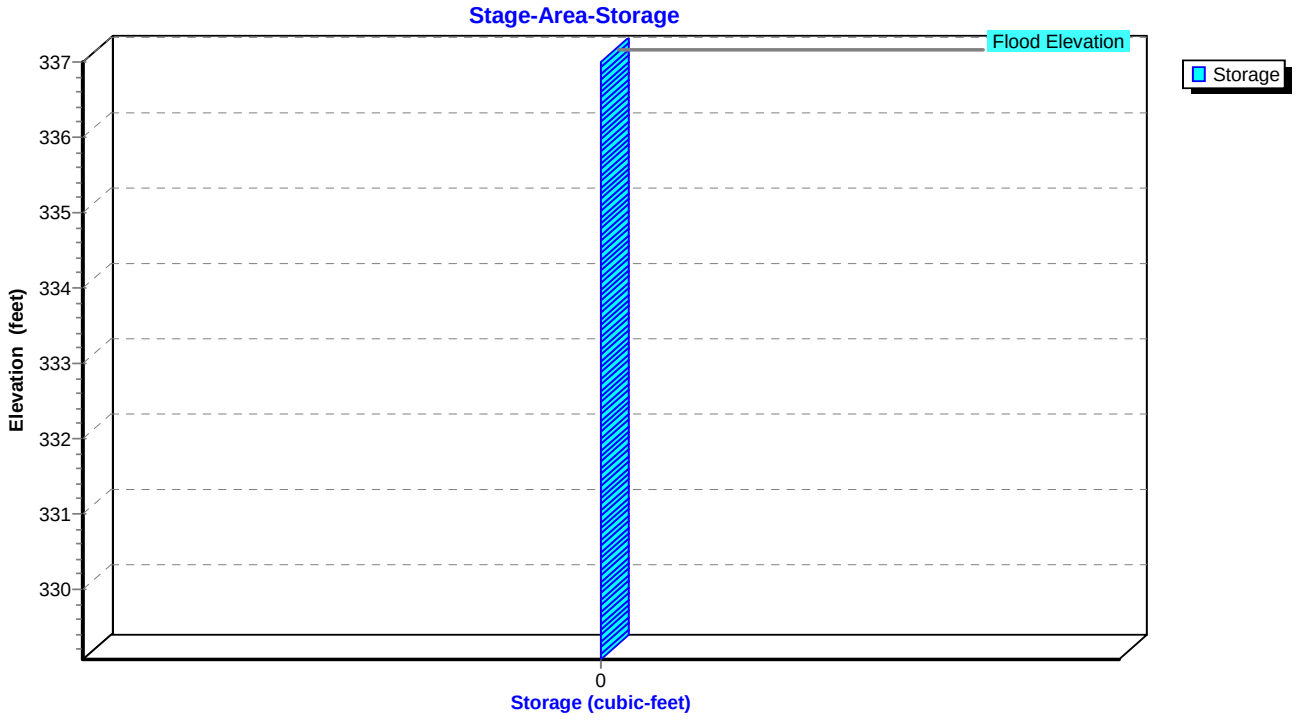
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.07	0.00
7.50	0.00	329.07	0.00
8.00	0.00	329.07	0.00
8.50	0.00	329.07	0.00
9.00	0.00	329.08	0.00
9.50	0.01	329.11	0.01
10.00	0.04	329.15	0.04
10.50	0.12	329.21	0.12
11.00	0.25	329.26	0.25
11.50	0.53	329.34	0.53
12.00	**3.37**	**329.75**	**3.37**
12.50	**5.46**	**329.96**	**5.46**
13.00	1.80	329.57	1.80
13.50	1.17	329.47	1.17
14.00	0.96	329.43	0.96
14.50	0.82	329.41	0.82
15.00	0.72	329.39	0.72
15.50	0.63	329.36	0.63
16.00	0.53	329.34	0.53
16.50	0.46	329.32	0.46
17.00	0.41	329.31	0.41
17.50	0.37	329.30	0.37
18.00	0.32	329.28	0.32
18.50	0.29	329.27	0.29
19.00	0.28	329.27	0.28
19.50	0.26	329.26	0.26
20.00	0.25	329.26	0.25
20.50	0.24	329.26	0.24
21.00	0.23	329.25	0.23
21.50	0.22	329.25	0.22
22.00	0.21	329.24	0.21
22.50	0.20	329.24	0.20
23.00	0.19	329.24	0.19
23.50	0.18	329.23	0.18
24.00	0.17	329.23	0.17

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

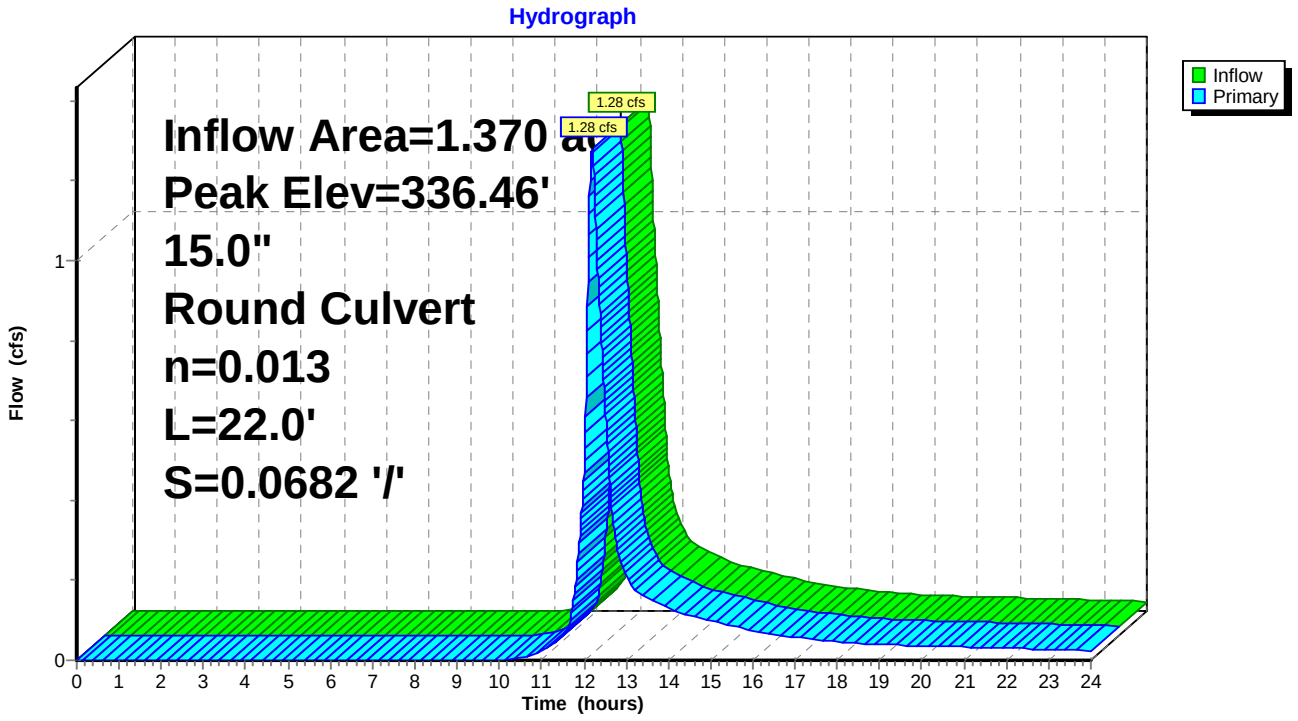
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af
Outflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.46' @ 12.19 hrs
Flood Elev= 338.50'

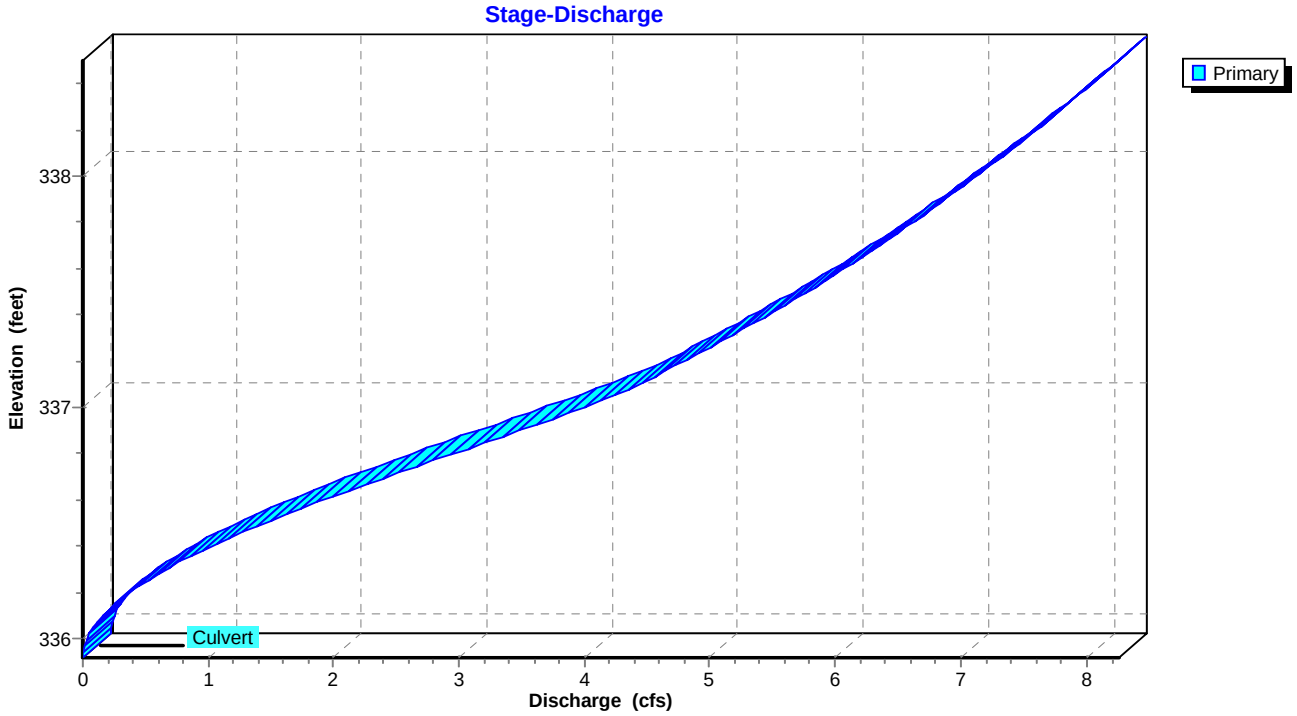
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.28 cfs @ 12.19 hrs HW=336.46' TW=330.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.28 cfs @ 2.51 fps)

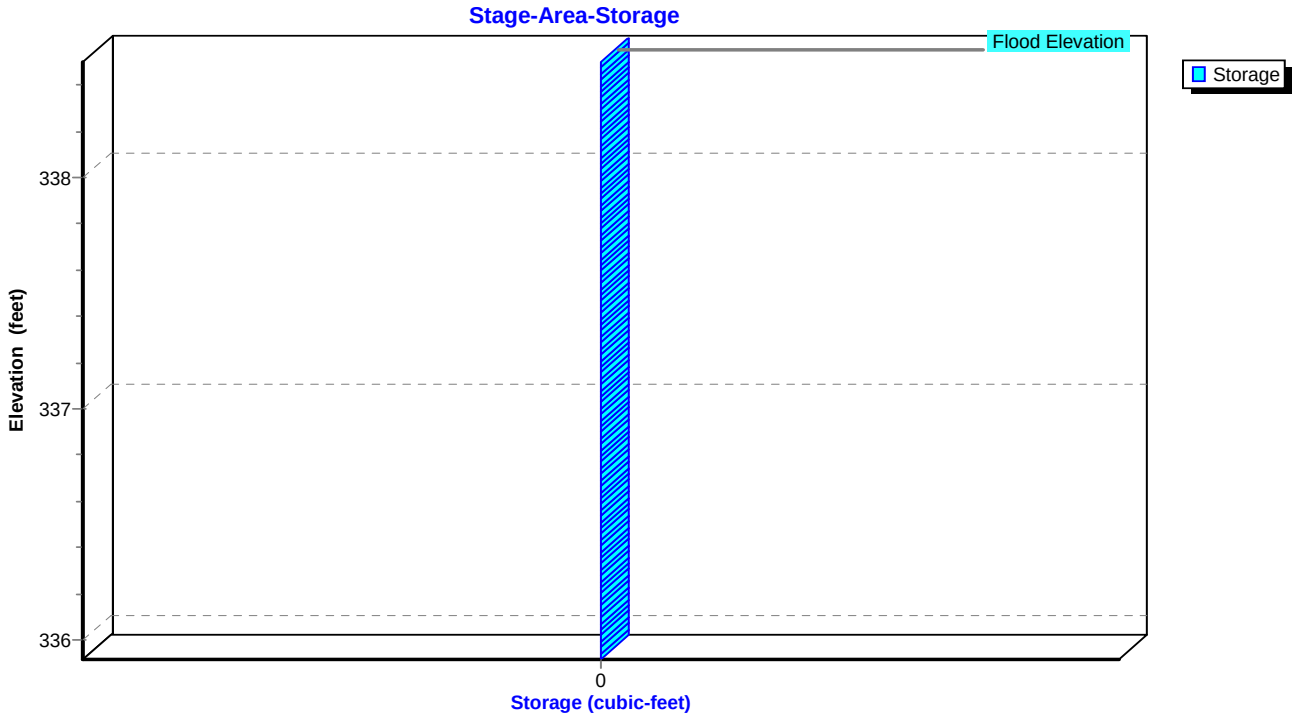
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.92	0.00
10.00	0.00	335.92	0.00
10.50	0.01	335.96	0.01
11.00	0.02	335.99	0.02
11.50	0.06	336.03	0.06
12.00	**0.47**	**336.24**	**0.47**
12.50	**0.65**	**336.30**	**0.65**
13.00	0.21	336.13	0.21
13.50	0.16	336.10	0.16
14.00	0.13	336.08	0.13
14.50	0.11	336.07	0.11
15.00	0.10	336.06	0.10
15.50	0.09	336.05	0.09
16.00	0.07	336.04	0.07
16.50	0.06	336.03	0.06
17.00	0.06	336.03	0.06
17.50	0.05	336.02	0.05
18.00	0.04	336.02	0.04
18.50	0.04	336.01	0.04
19.00	0.04	336.01	0.04
19.50	0.04	336.01	0.04
20.00	0.04	336.00	0.04
20.50	0.03	336.00	0.03
21.00	0.03	336.00	0.03
21.50	0.03	336.00	0.03
22.00	0.03	336.00	0.03
22.50	0.03	336.00	0.03
23.00	0.03	335.99	0.03
23.50	0.03	335.99	0.03
24.00	0.02	335.99	0.02

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

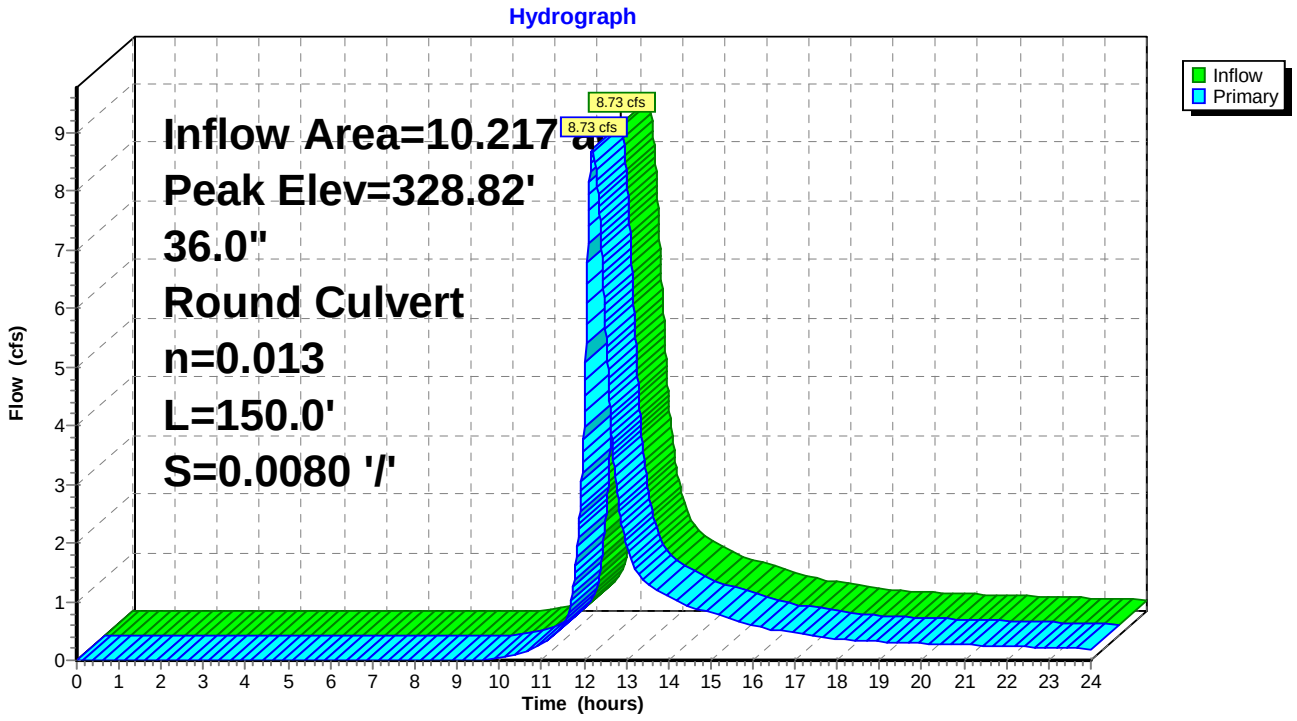
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 1.17" for 1-Year event
Inflow = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af
Outflow = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af, Atten= 0%, Lag= 0.0 min
Primary = 8.73 cfs @ 12.21 hrs, Volume= 0.993 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.82' @ 12.21 hrs
Flood Elev= 335.75'

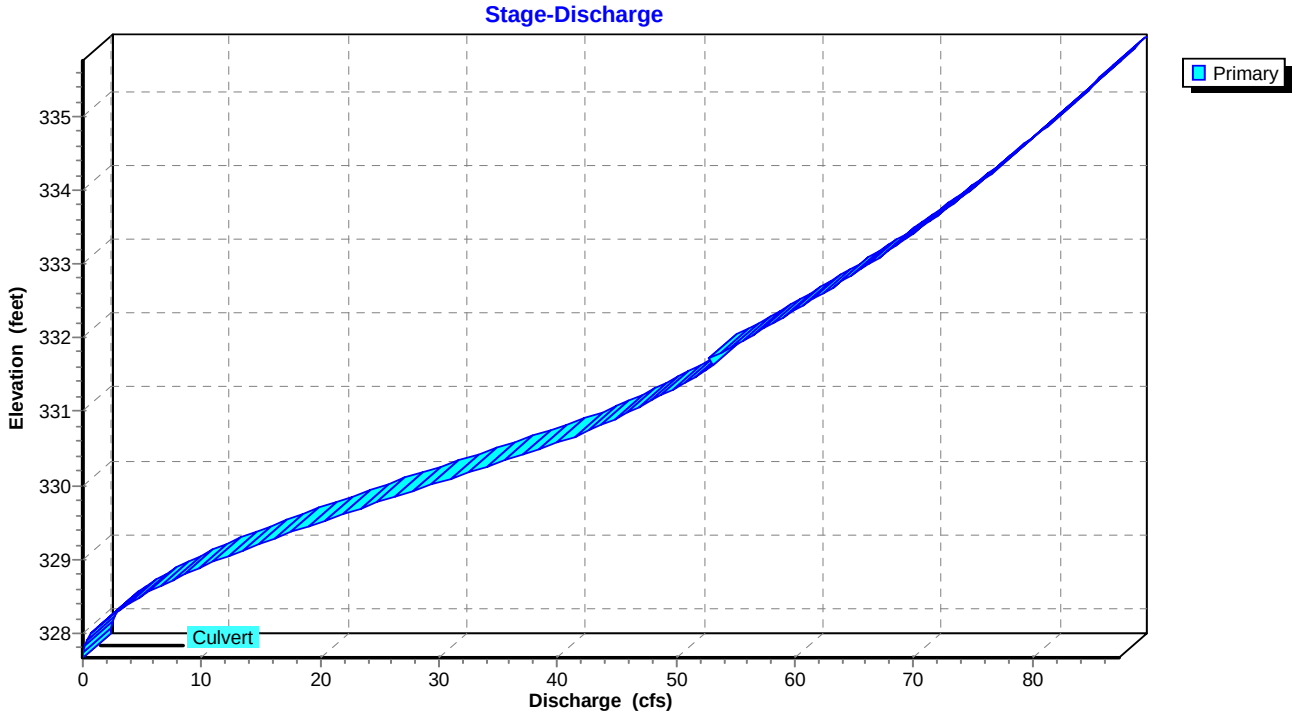
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.73 cfs @ 12.21 hrs HW=328.82' TW=327.42' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 8.73 cfs @ 5.17 fps)

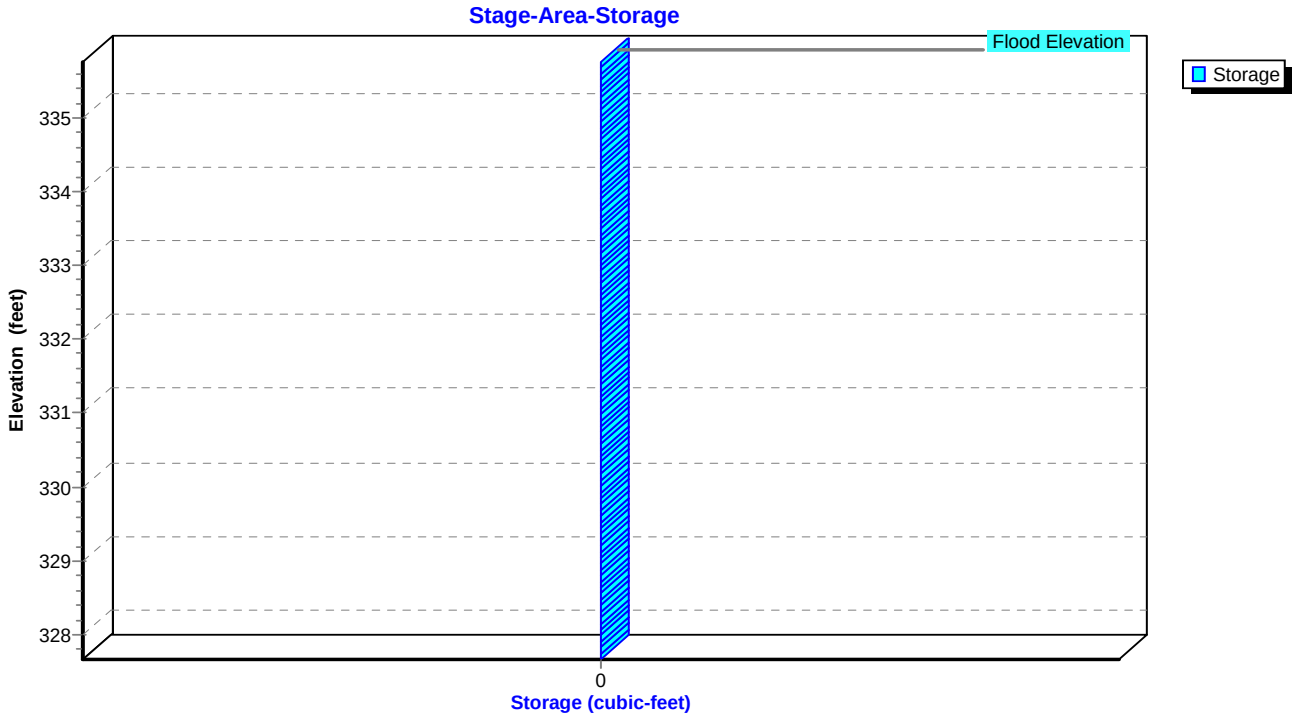
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.67	0.00
7.50	0.00	327.67	0.00
8.00	0.00	327.67	0.00
8.50	0.00	327.67	0.00
9.00	0.00	327.68	0.00
9.50	0.01	327.71	0.01
10.00	0.04	327.75	0.04
10.50	0.13	327.81	0.13
11.00	0.28	327.87	0.28
11.50	0.59	327.96	0.59
12.00	**3.99**	**328.42**	**3.99**
12.50	**5.92**	**328.60**	**5.92**
13.00	1.98	328.19	1.98
13.50	1.31	328.09	1.31
14.00	1.08	328.05	1.08
14.50	0.92	328.03	0.92
15.00	0.81	328.00	0.81
15.50	0.70	327.98	0.70
16.00	0.59	327.96	0.59
16.50	0.51	327.94	0.51
17.00	0.46	327.92	0.46
17.50	0.41	327.91	0.41
18.00	0.36	327.90	0.36
18.50	0.33	327.89	0.33
19.00	0.31	327.88	0.31
19.50	0.30	327.88	0.30
20.00	0.28	327.87	0.28
20.50	0.27	327.87	0.27
21.00	0.26	327.86	0.26
21.50	0.25	327.86	0.25
22.00	0.24	327.85	0.24
22.50	0.23	327.85	0.23
23.00	0.21	327.85	0.21
23.50	0.20	327.84	0.20
24.00	0.19	327.84	0.19

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

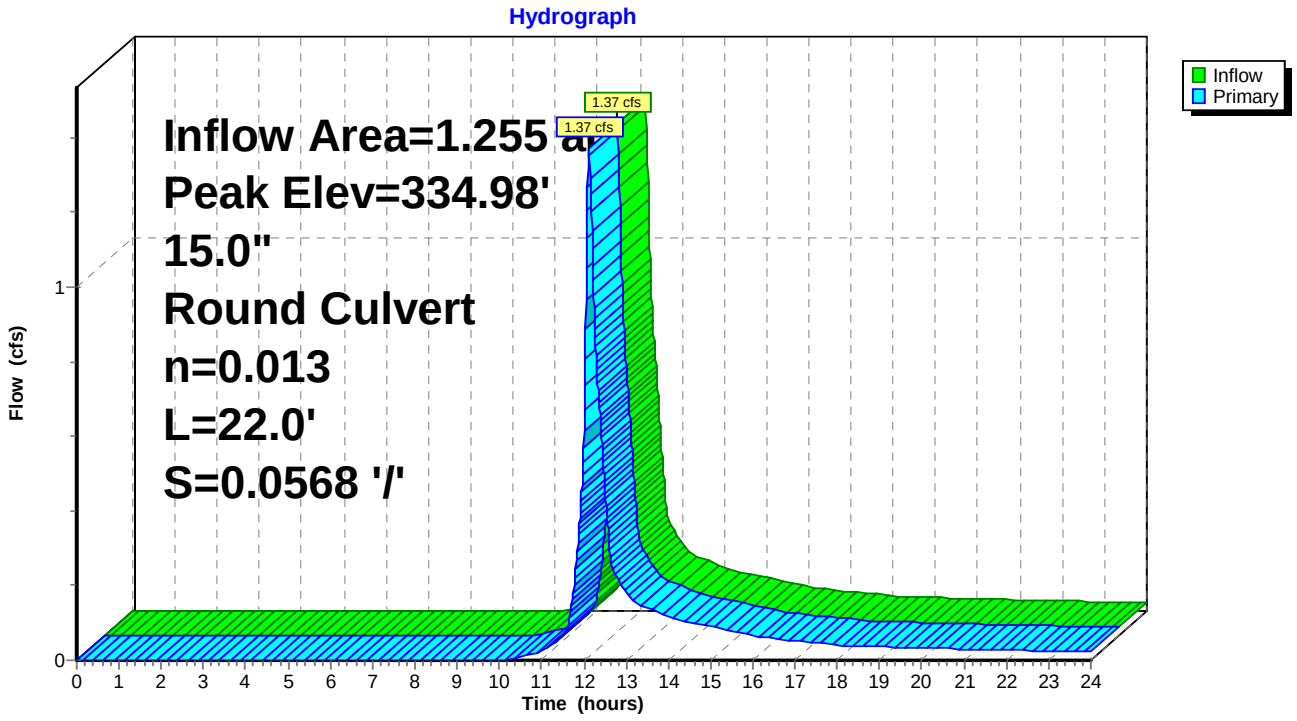
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af
Outflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.98' @ 12.13 hrs
Flood Elev= 337.00'

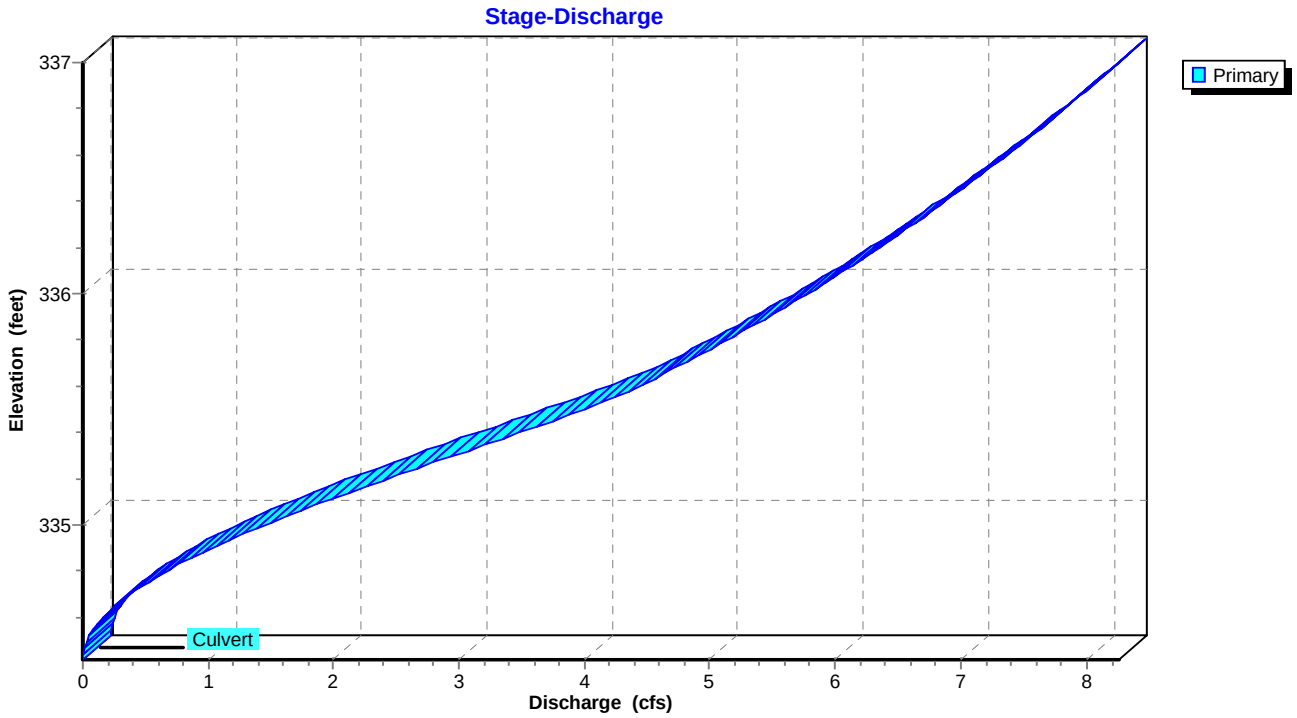
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.37 cfs @ 12.13 hrs HW=334.98' TW=328.75' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.37 cfs @ 2.55 fps)

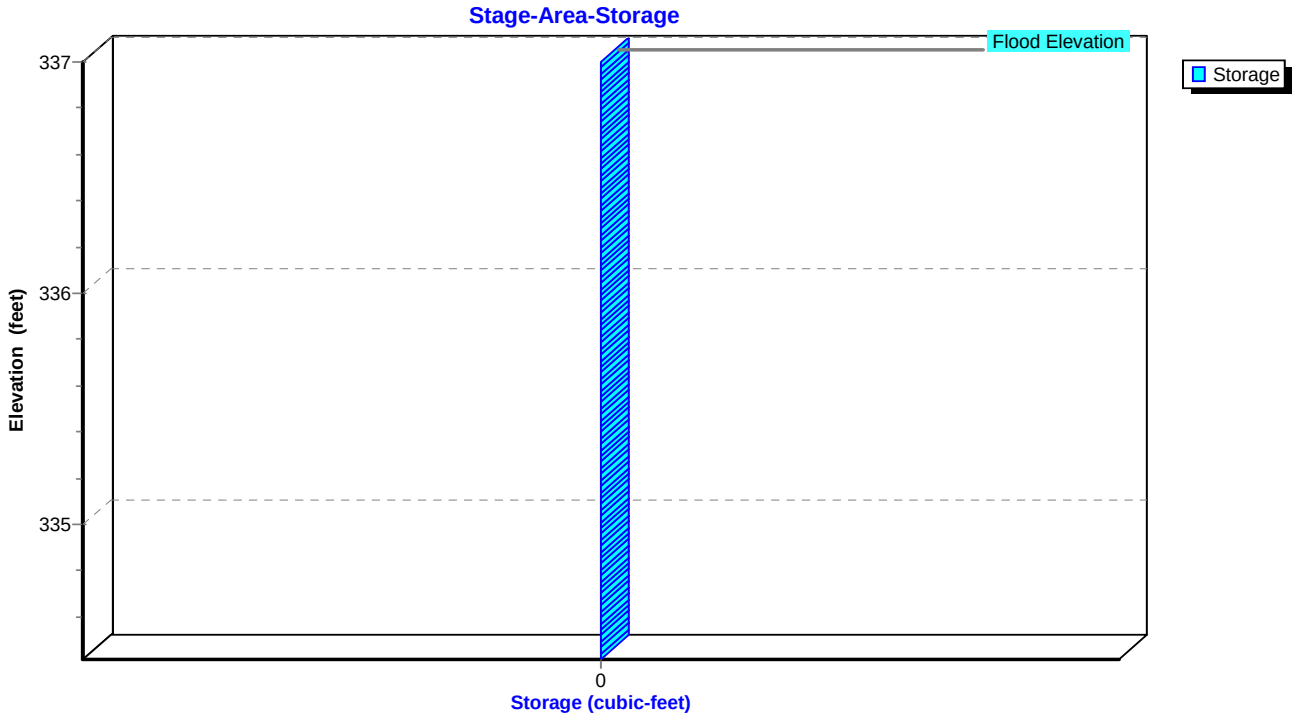
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.42	0.00
10.00	0.00	334.42	0.00
10.50	0.01	334.46	0.01
11.00	0.02	334.49	0.02
11.50	0.07	334.53	0.07
12.00	**0.62**	**334.79**	**0.62**
12.50	**0.46**	**334.74**	**0.46**
13.00	0.18	334.61	0.18
13.50	0.14	334.59	0.14
14.00	0.12	334.57	0.12
14.50	0.10	334.56	0.10
15.00	0.09	334.56	0.09
15.50	0.08	334.55	0.08
16.00	0.06	334.53	0.06
16.50	0.06	334.53	0.06
17.00	0.05	334.52	0.05
17.50	0.05	334.52	0.05
18.00	0.04	334.51	0.04
18.50	0.04	334.51	0.04
19.00	0.04	334.50	0.04
19.50	0.03	334.50	0.03
20.00	0.03	334.50	0.03
20.50	0.03	334.50	0.03
21.00	0.03	334.50	0.03
21.50	0.03	334.50	0.03
22.00	0.03	334.49	0.03
22.50	0.03	334.49	0.03
23.00	0.02	334.49	0.02
23.50	0.02	334.49	0.02
24.00	0.02	334.49	0.02

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

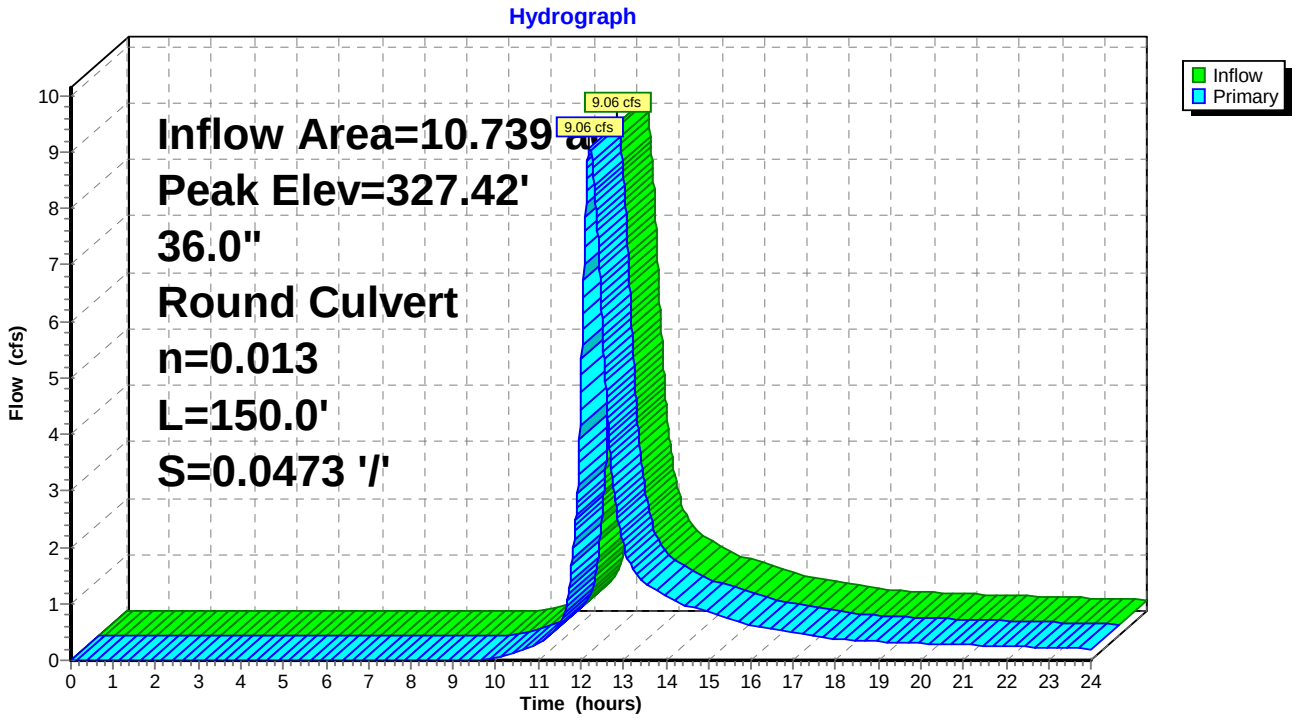
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 1.17" for 1-Year event
Inflow = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af
Outflow = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af, Atten= 0%, Lag= 0.0 min
Primary = 9.06 cfs @ 12.20 hrs, Volume= 1.044 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 327.42' @ 12.20 hrs
Flood Elev= 332.25'

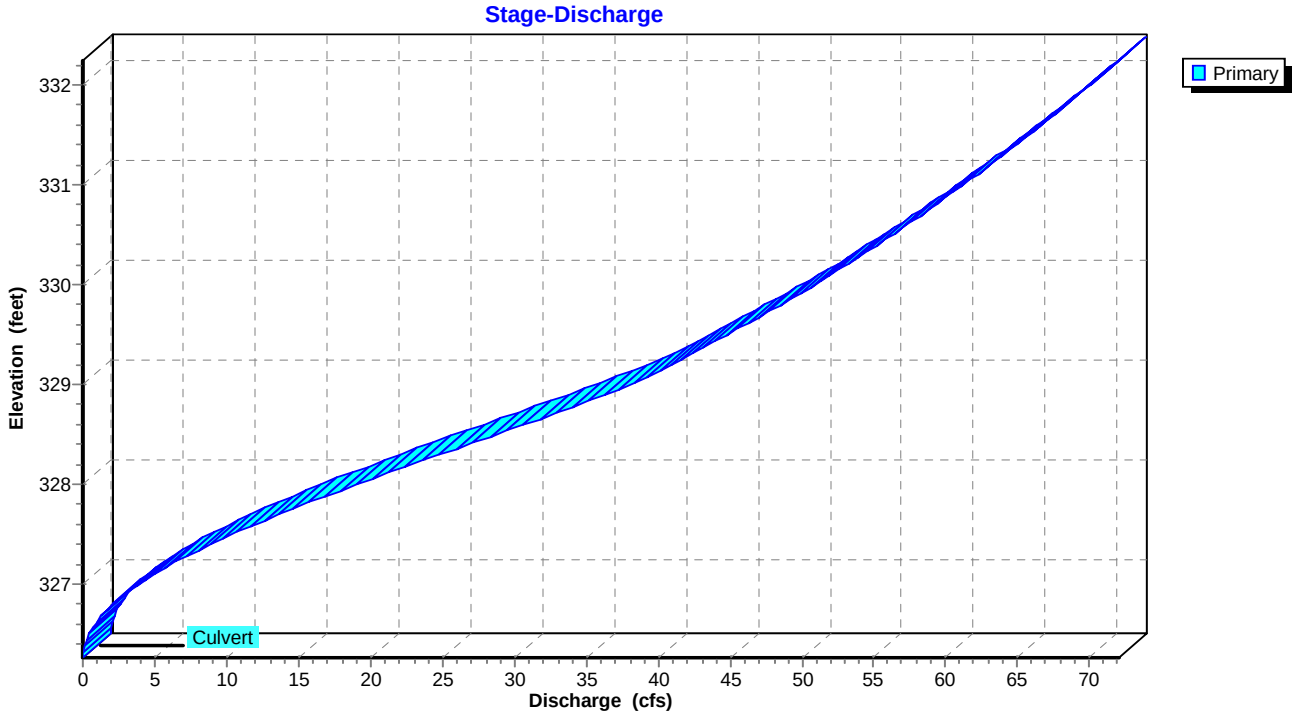
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.06 cfs @ 12.20 hrs HW=327.42' TW=320.16' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 9.06 cfs @ 3.65 fps)

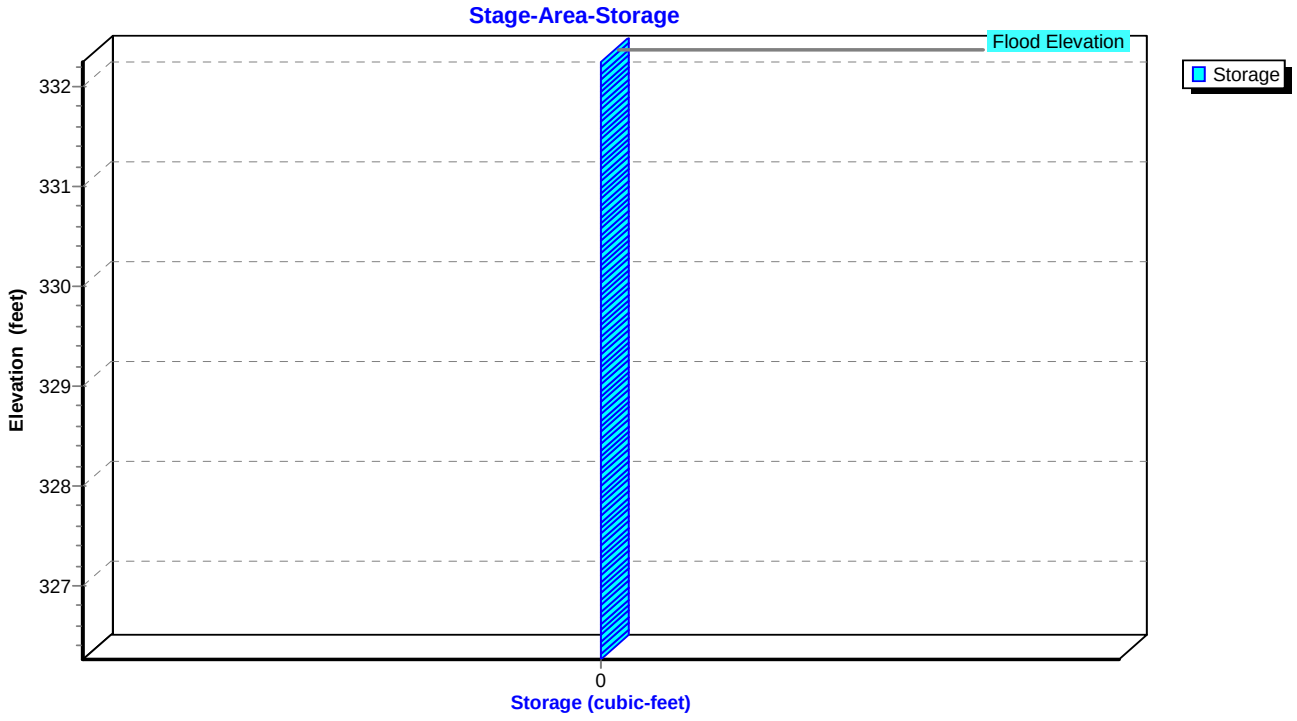
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.27	0.00
7.50	0.00	326.27	0.00
8.00	0.00	326.27	0.00
8.50	0.00	326.27	0.00
9.00	0.00	326.28	0.00
9.50	0.01	326.30	0.01
10.00	0.05	326.35	0.05
10.50	0.14	326.40	0.14
11.00	0.29	326.47	0.29
11.50	0.64	326.56	0.64
12.00	**4.74**	**327.08**	**4.74**
12.50	**6.05**	**327.19**	**6.05**
13.00	2.05	326.80	2.05
13.50	1.37	326.70	1.37
14.00	1.13	326.66	1.13
14.50	0.96	326.63	0.96
15.00	0.85	326.60	0.85
15.50	0.74	326.58	0.74
16.00	0.62	326.56	0.62
16.50	0.54	326.54	0.54
17.00	0.48	326.52	0.48
17.50	0.43	326.51	0.43
18.00	0.38	326.49	0.38
18.50	0.35	326.48	0.35
19.00	0.33	326.48	0.33
19.50	0.31	326.47	0.31
20.00	0.30	326.47	0.30
20.50	0.28	326.46	0.28
21.00	0.27	326.46	0.27
21.50	0.26	326.45	0.26
22.00	0.25	326.45	0.25
22.50	0.24	326.44	0.24
23.00	0.22	326.44	0.22
23.50	0.21	326.44	0.21
24.00	0.20	326.43	0.20

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

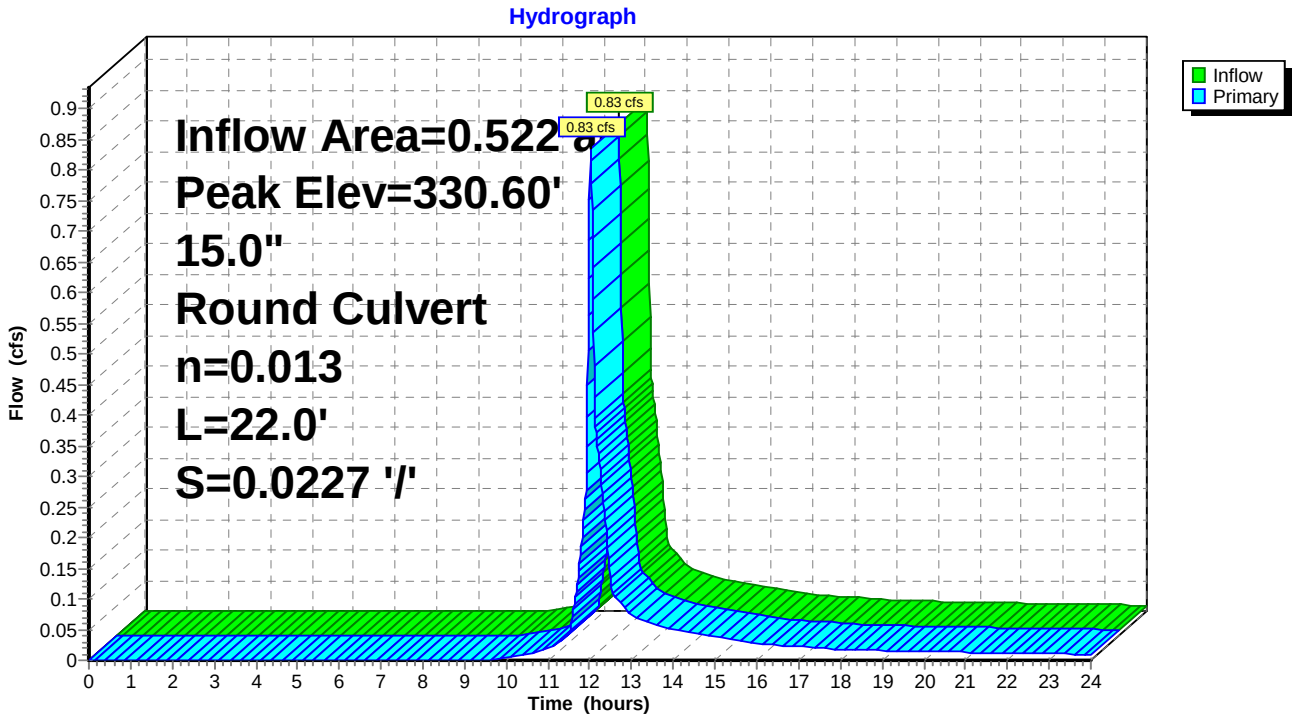
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af
Outflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.60' @ 12.02 hrs
Flood Elev= 332.80'

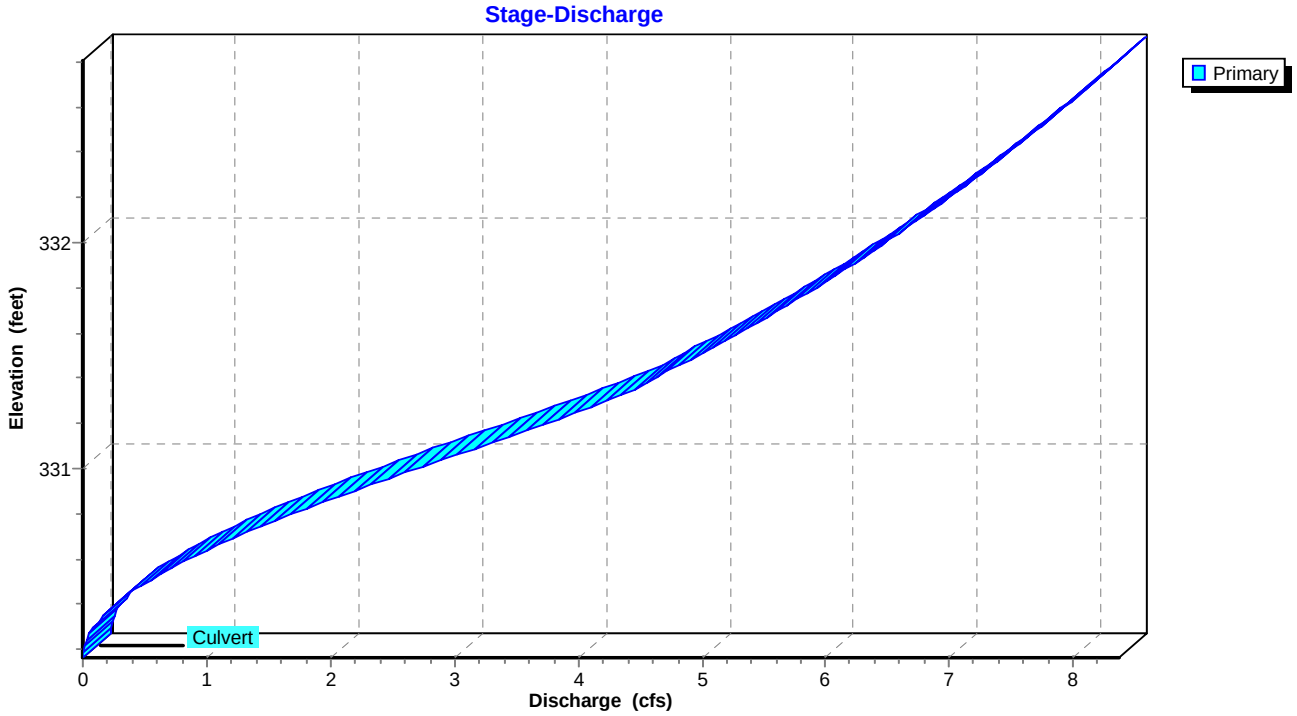
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.83 cfs @ 12.02 hrs HW=330.60' TW=327.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.83 cfs @ 2.23 fps)

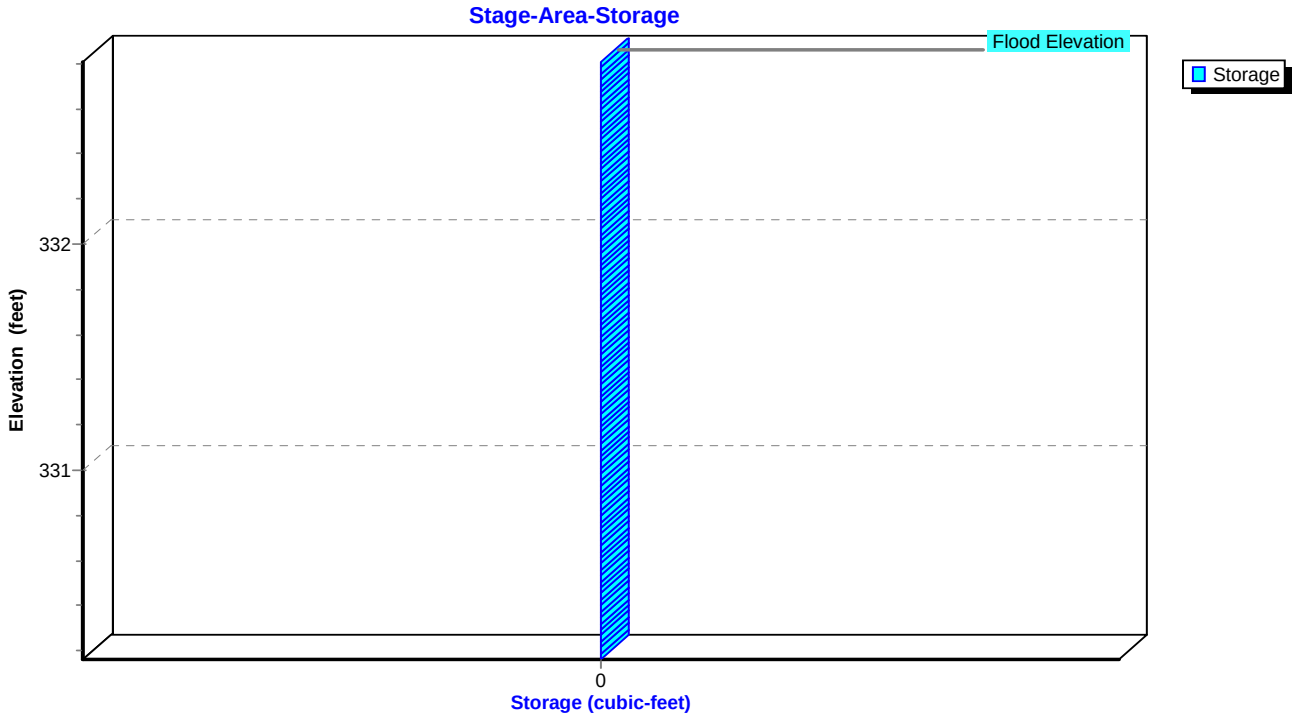
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.17	0.00
9.50	0.00	330.17	0.00
10.00	0.00	330.20	0.00
10.50	0.01	330.21	0.01
11.00	0.02	330.23	0.02
11.50	0.04	330.26	0.04
12.00	**0.75**	**330.58**	**0.75**
12.50	**0.12**	**330.33**	**0.12**
13.00	0.07	330.29	0.07
13.50	0.06	330.28	0.06
14.00	0.05	330.27	0.05
14.50	0.04	330.26	0.04
15.00	0.04	330.26	0.04
15.50	0.03	330.25	0.03
16.00	0.03	330.24	0.03
16.50	0.02	330.24	0.02
17.00	0.02	330.24	0.02
17.50	0.02	330.23	0.02
18.00	0.02	330.23	0.02
18.50	0.02	330.23	0.02
19.00	0.02	330.23	0.02
19.50	0.01	330.22	0.01
20.00	0.01	330.22	0.01
20.50	0.01	330.22	0.01
21.00	0.01	330.22	0.01
21.50	0.01	330.22	0.01
22.00	0.01	330.22	0.01
22.50	0.01	330.22	0.01
23.00	0.01	330.22	0.01
23.50	0.01	330.21	0.01
24.00	0.01	330.21	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

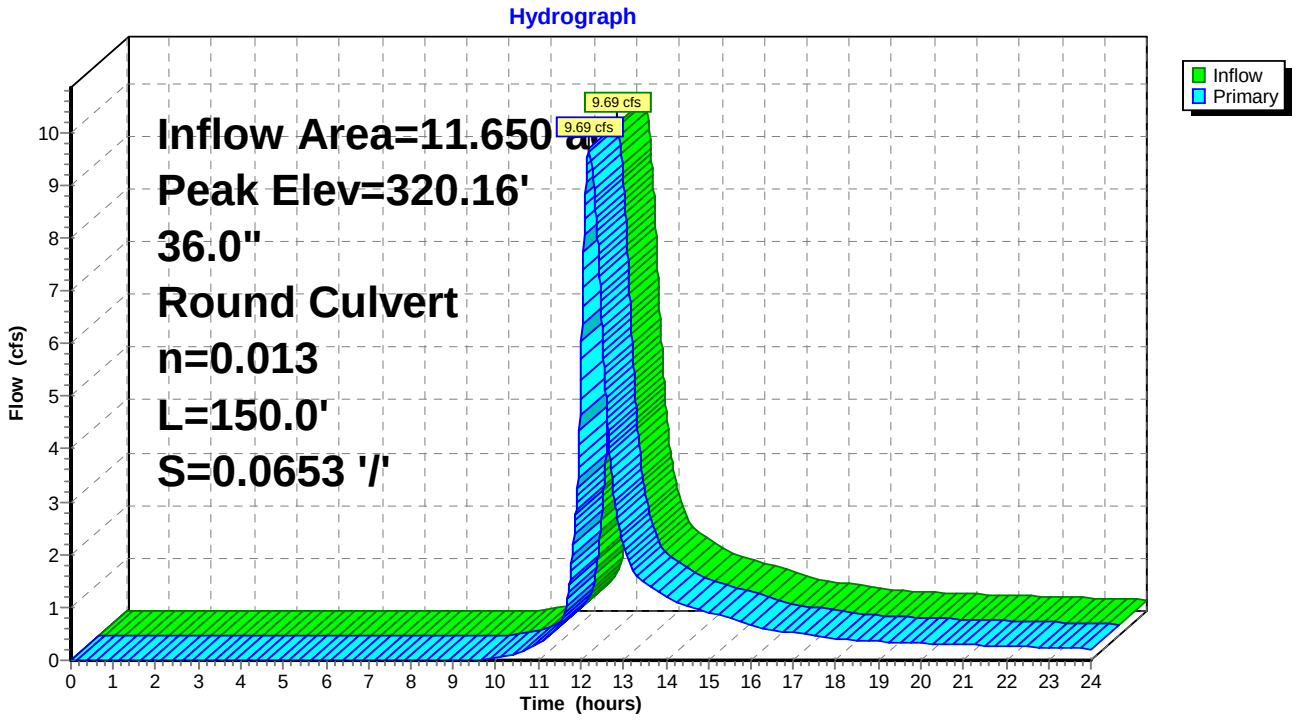
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 1.15" for 1-Year event
Inflow = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af
Outflow = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af, Atten= 0%, Lag= 0.0 min
Primary = 9.69 cfs @ 12.19 hrs, Volume= 1.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.16' @ 12.19 hrs
Flood Elev= 338.50'

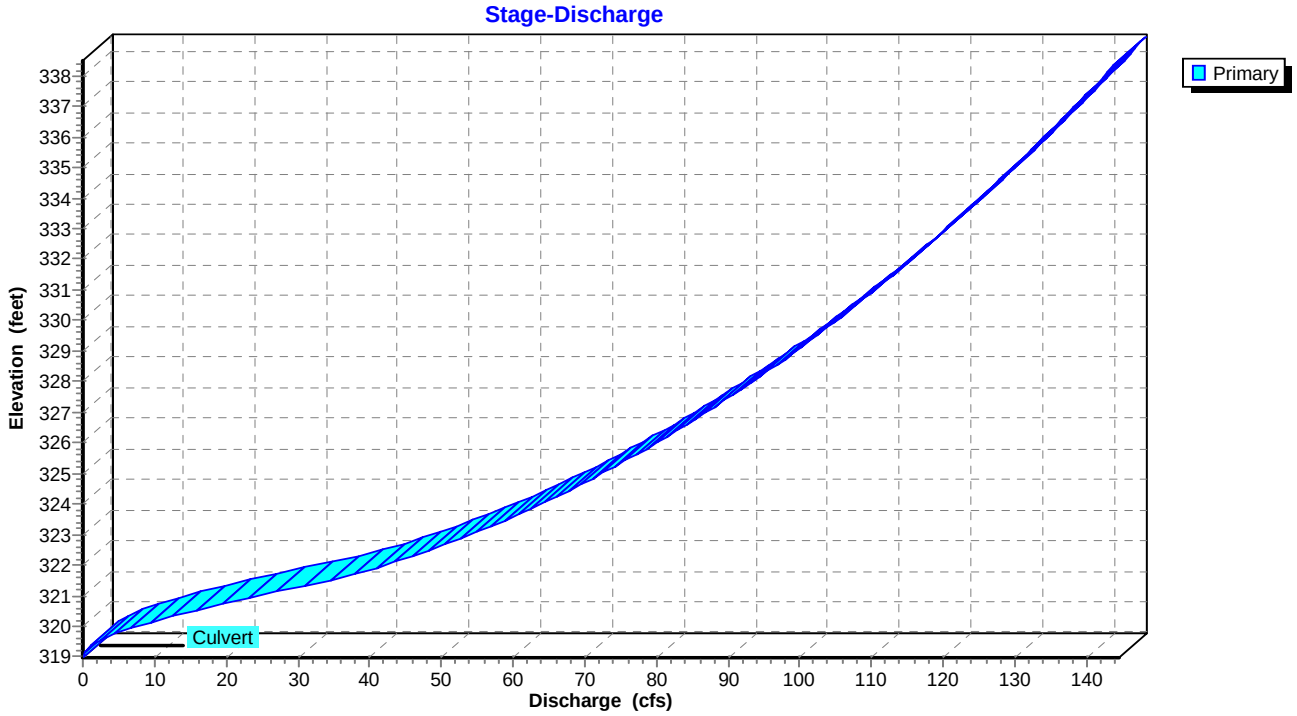
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.69 cfs @ 12.19 hrs HW=320.16' TW=310.19' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 9.69 cfs @ 3.71 fps)

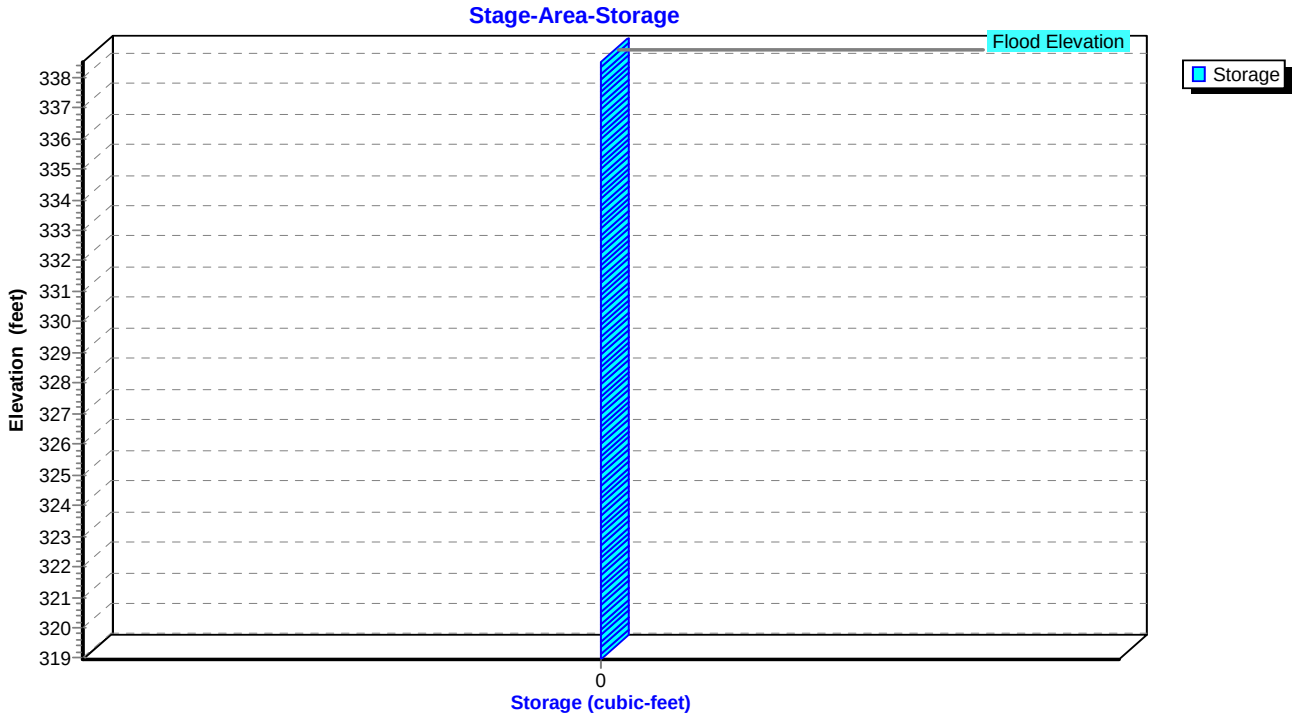
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.00	318.97	0.00
8.00	0.00	318.97	0.00
8.50	0.00	318.97	0.00
9.00	0.00	318.97	0.00
9.50	0.01	319.00	0.01
10.00	0.05	319.05	0.05
10.50	0.14	319.11	0.14
11.00	0.31	319.17	0.31
11.50	0.68	319.27	0.68
12.00	**5.31**	**319.83**	**5.31**
12.50	**6.32**	**319.92**	**6.32**
13.00	2.17	319.51	2.17
13.50	1.46	319.41	1.46
14.00	1.21	319.37	1.21
14.50	1.03	319.34	1.03
15.00	0.91	319.32	0.91
15.50	0.79	319.29	0.79
16.00	0.66	319.27	0.66
16.50	0.58	319.24	0.58
17.00	0.52	319.23	0.52
17.50	0.46	319.22	0.46
18.00	0.41	319.20	0.41
18.50	0.37	319.19	0.37
19.00	0.35	319.18	0.35
19.50	0.34	319.18	0.34
20.00	0.32	319.17	0.32
20.50	0.31	319.17	0.31
21.00	0.29	319.17	0.29
21.50	0.28	319.16	0.28
22.00	0.27	319.16	0.27
22.50	0.25	319.15	0.25
23.00	0.24	319.15	0.24
23.50	0.23	319.14	0.23
24.00	0.21	319.14	0.21

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

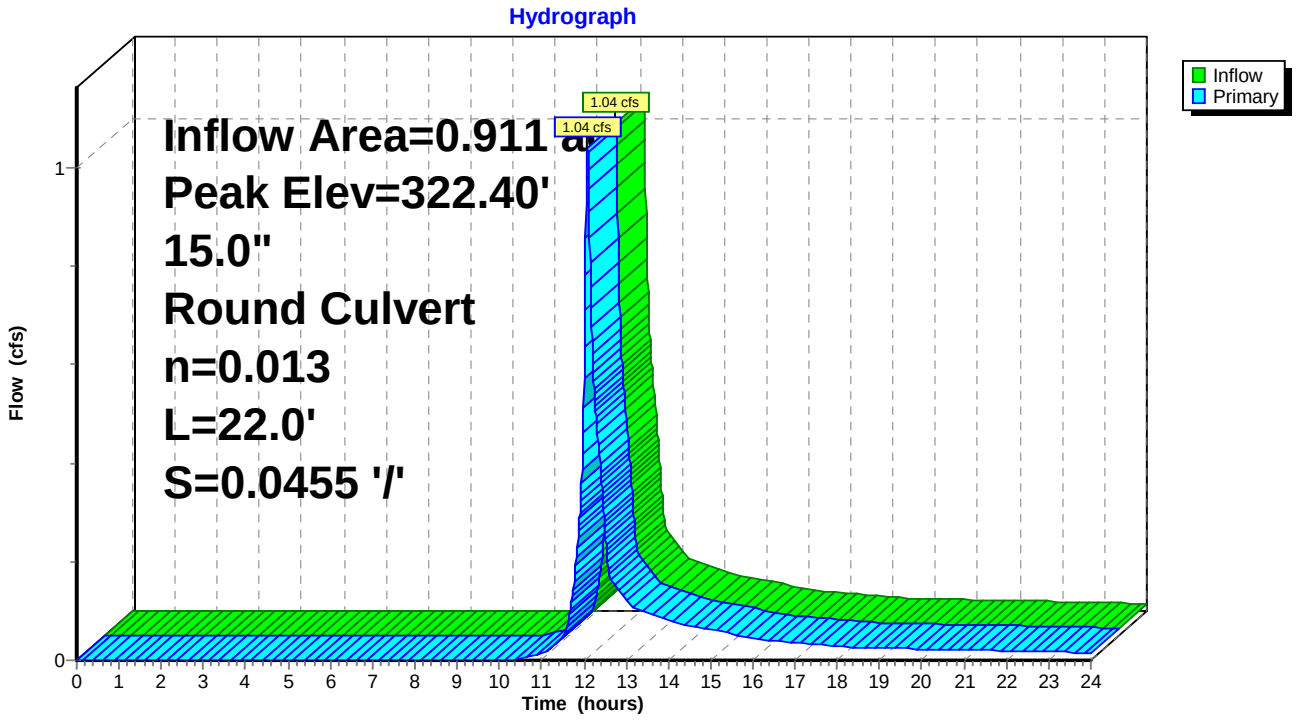
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 0.99" for 1-Year event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.40' @ 12.09 hrs
Flood Elev= 324.50'

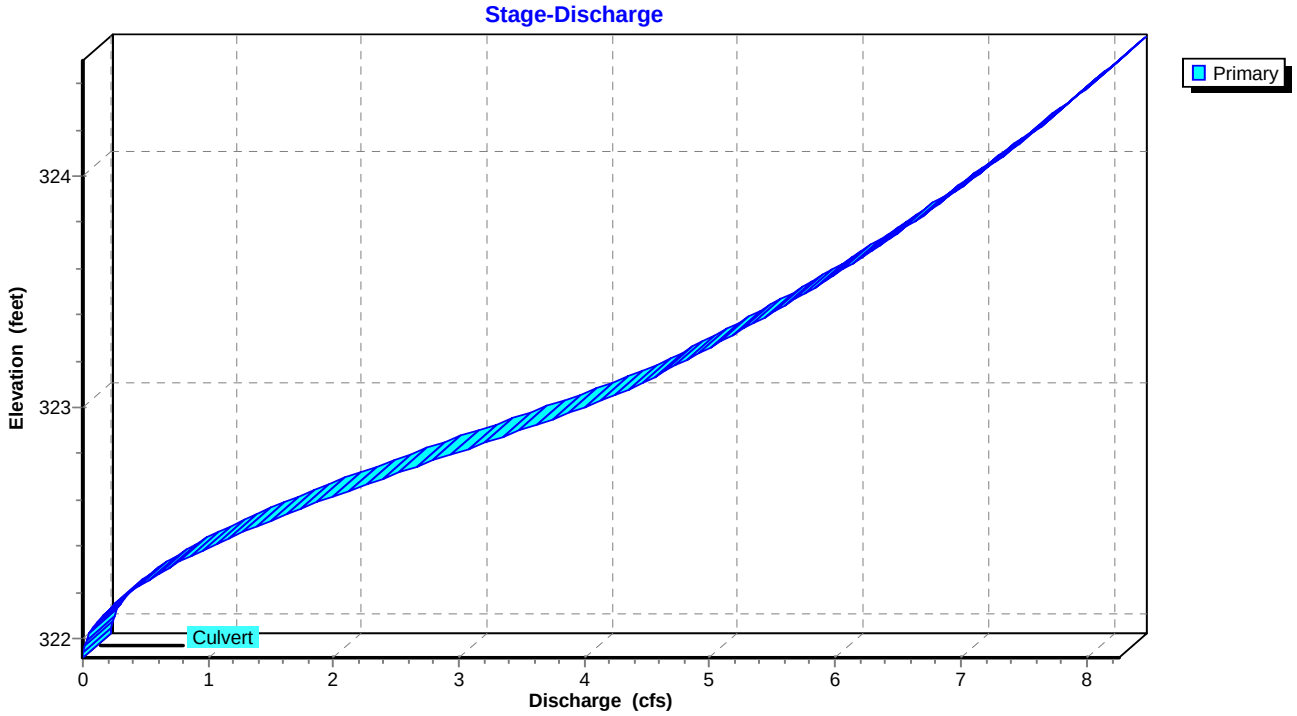
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=322.40' TW=320.06' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.04 cfs @ 2.37 fps)

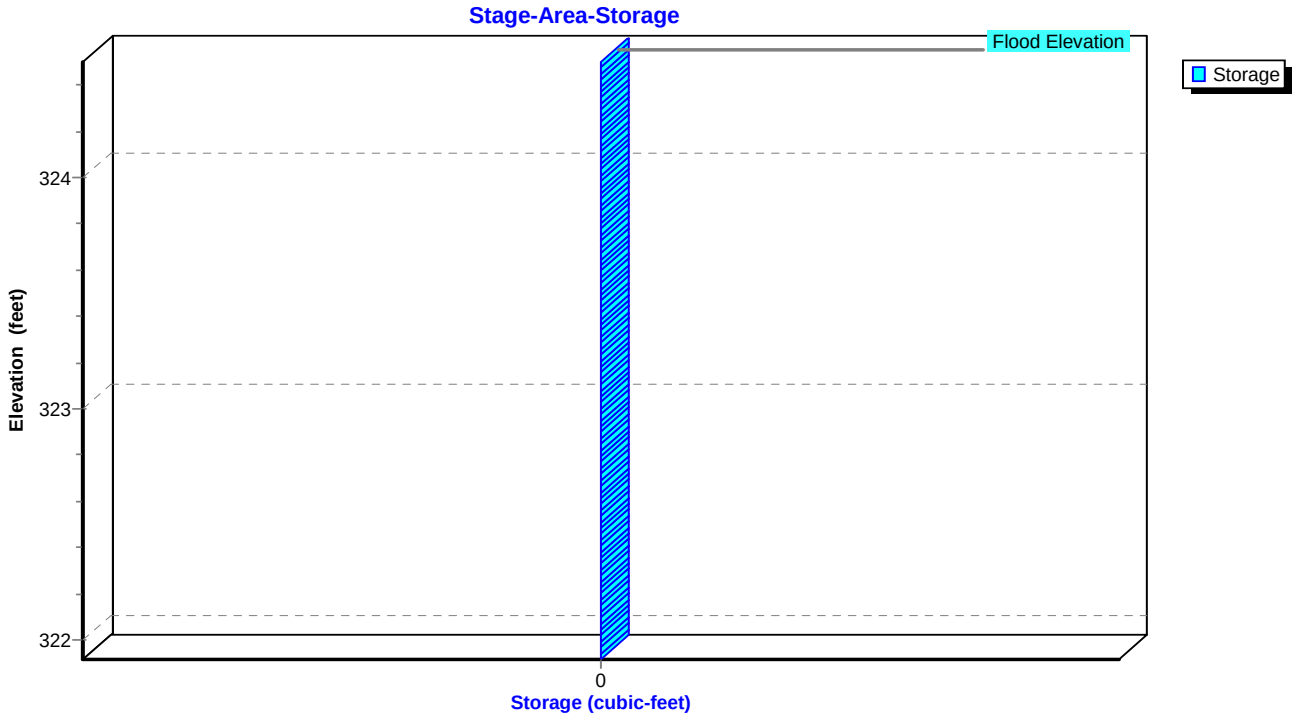
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.92	0.00
10.00	0.00	321.92	0.00
10.50	0.00	321.94	0.00
11.00	0.01	321.97	0.01
11.50	0.04	322.01	0.04
12.00	**0.57**	**322.27**	**0.57**
12.50	**0.27**	**322.16**	**0.27**
13.00	0.12	322.08	0.12
13.50	0.10	322.06	0.10
14.00	0.08	322.05	0.08
14.50	0.07	322.04	0.07
15.00	0.06	322.03	0.06
15.50	0.05	322.02	0.05
16.00	0.04	322.01	0.04
16.50	0.04	322.01	0.04
17.00	0.04	322.01	0.04
17.50	0.03	322.00	0.03
18.00	0.03	321.99	0.03
18.50	0.03	321.99	0.03
19.00	0.03	321.99	0.03
19.50	0.02	321.99	0.02
20.00	0.02	321.99	0.02
20.50	0.02	321.99	0.02
21.00	0.02	321.98	0.02
21.50	0.02	321.98	0.02
22.00	0.02	321.98	0.02
22.50	0.02	321.98	0.02
23.00	0.02	321.98	0.02
23.50	0.02	321.98	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=345.92' Inflow=2.76 cfs 0.324 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=2.76 cfs 0.324 af

Pond CB10: Catchbasin Peak Elev=310.50' Inflow=15.18 cfs 1.740 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=15.18 cfs 1.740 af

Pond CB10-1: CB1-1 Peak Elev=312.52' Inflow=1.56 cfs 0.093 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.56 cfs 0.093 af

Pond CB11: Catchbasin Peak Elev=299.32' Inflow=16.21 cfs 1.827 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=16.21 cfs 1.827 af

Pond CB11-1: CB1-1 Peak Elev=302.66' Inflow=1.07 cfs 0.087 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.07 cfs 0.087 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.51' Inflow=5.75 cfs 0.648 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=5.75 cfs 0.648 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.65' Inflow=7.11 cfs 0.796 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=7.11 cfs 0.796 af

Pond CB4: Catchbasin Peak Elev=332.93' Inflow=9.40 cfs 1.077 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=9.40 cfs 1.077 af

Pond CB4-1: CB1-1 Peak Elev=336.39' Inflow=9.40 cfs 1.077 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=9.40 cfs 1.077 af

Pond CB5: Catchbasin Peak Elev=331.73' Inflow=9.64 cfs 1.117 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=9.64 cfs 1.117 af

Pond CB5-1: CB1-1 Peak Elev=334.28' Inflow=0.66 cfs 0.040 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.66 cfs 0.040 af

Pond CB6: Catchbasin Peak Elev=330.46' Inflow=11.49 cfs 1.295 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=11.49 cfs 1.295 af

Pond CB6-1: CB1-1 Peak Elev=336.61' Inflow=1.96 cfs 0.178 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.96 cfs 0.178 af

Pond CB7: Catchbasin Peak Elev=329.13' Inflow=13.06 cfs 1.458 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=13.06 cfs 1.458 af

Pond CB7-1: CB1-1 Peak Elev=335.14' Inflow=2.10 cfs 0.163 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.10 cfs 0.163 af

Pond CB8: Catchbasin Peak Elev=327.70' Inflow=13.55 cfs 1.533 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=13.55 cfs 1.533 af

Pond CB8-1: CB1-1 Peak Elev=330.70' Inflow=1.24 cfs 0.074 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.24 cfs 0.074 af

Pond CB9: Catchbasin Peak Elev=320.46' Inflow=14.55 cfs 1.646 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=14.55 cfs 1.646 af

Pond CB9-1: CB1-1 Peak Elev=322.54' Inflow=1.61 cfs 0.114 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.61 cfs 0.114 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

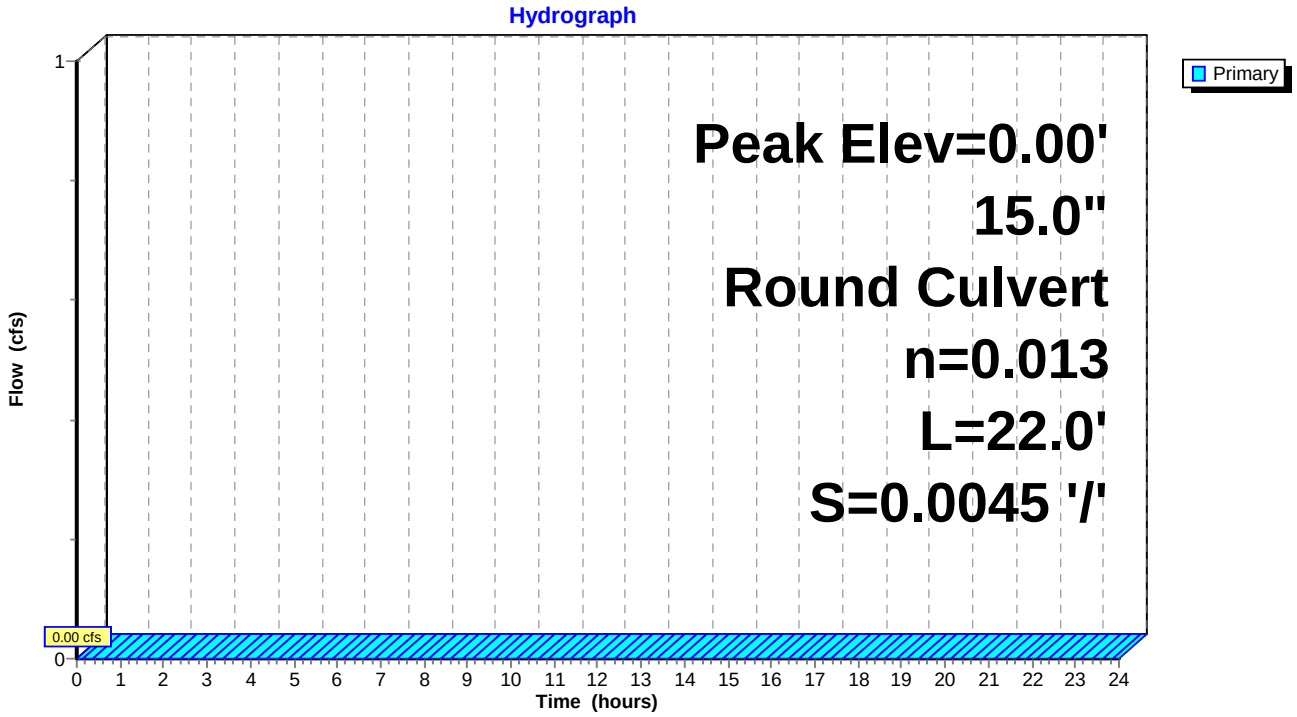
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

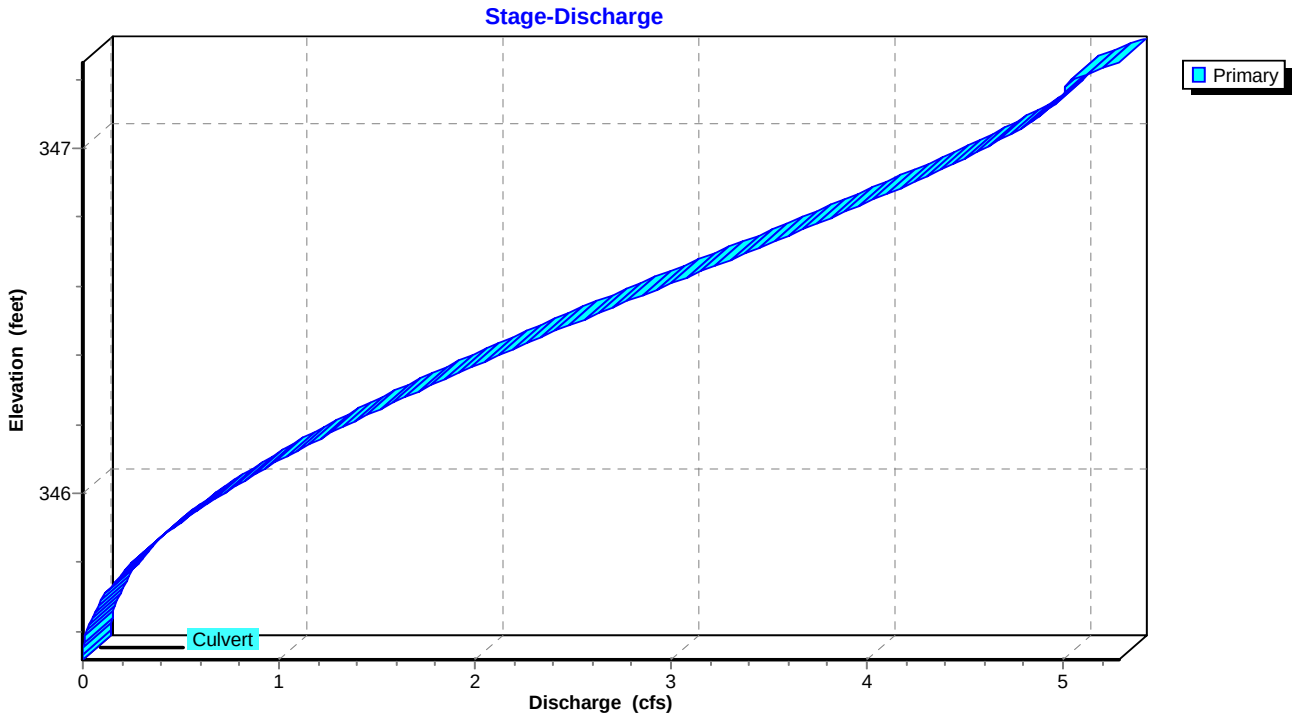
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

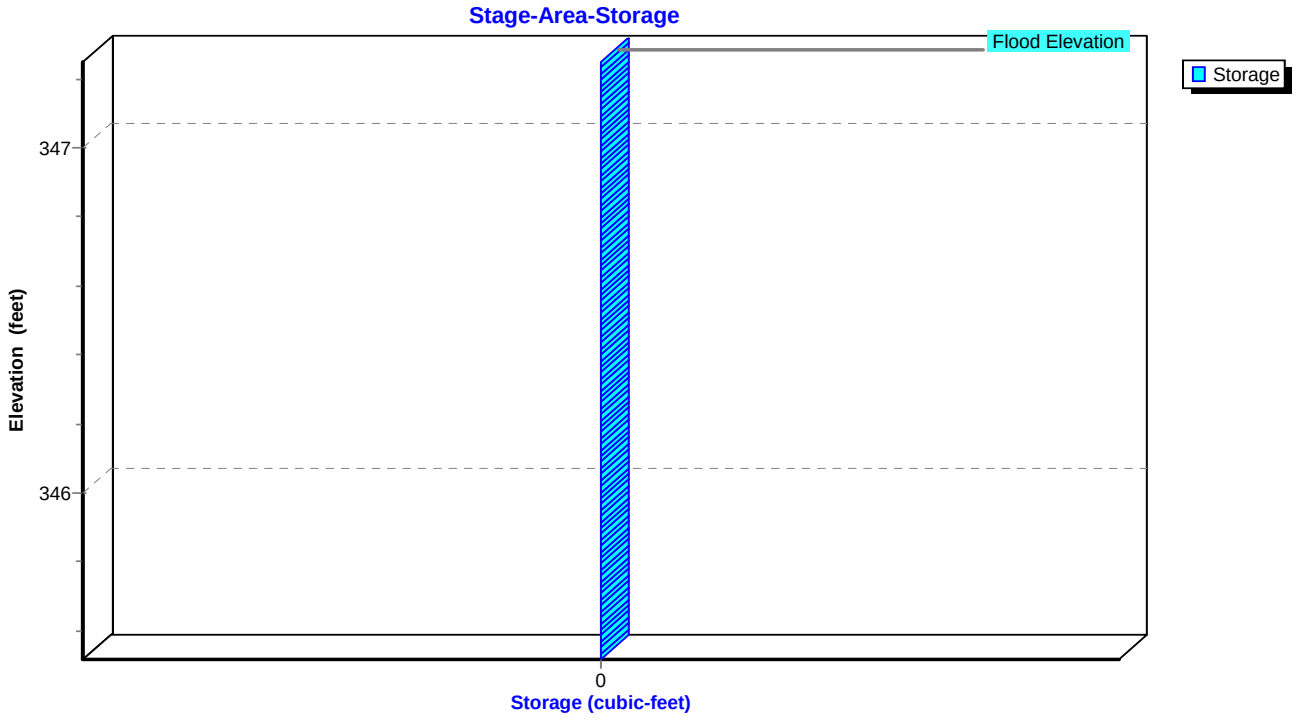
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

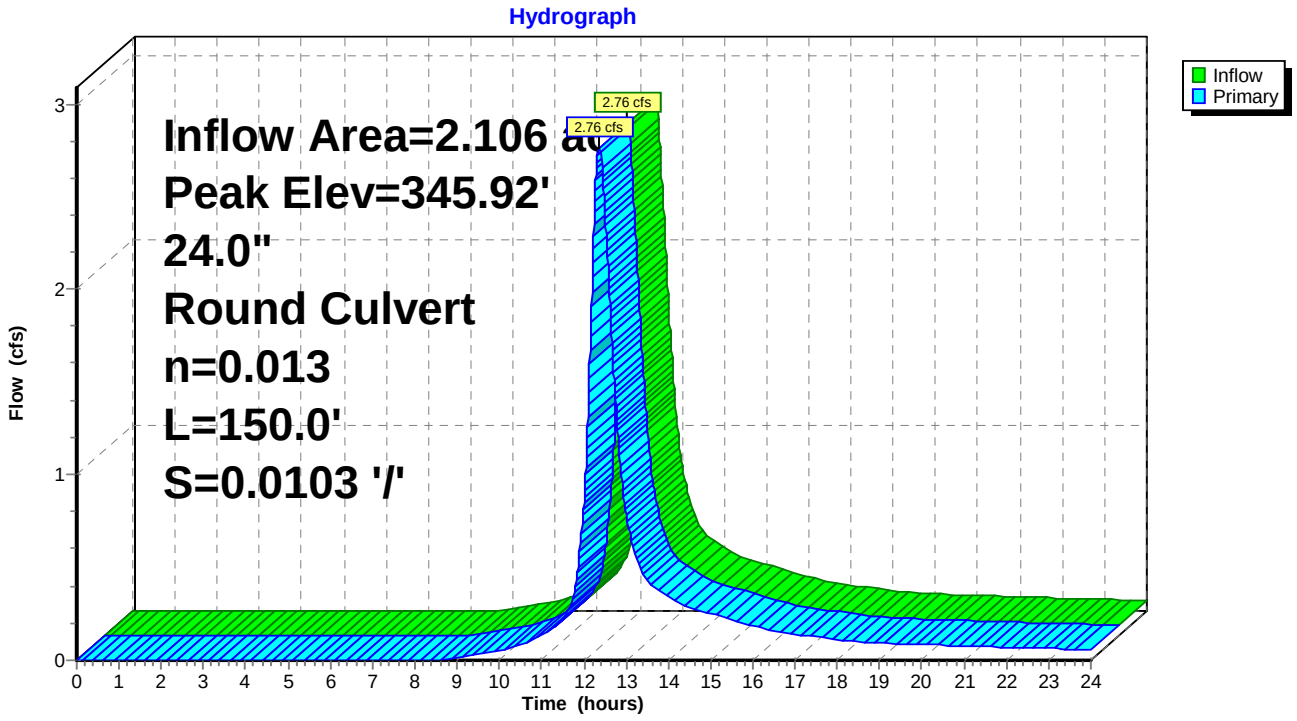
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.85" for 2-Year event
Inflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af
Outflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af, Atten= 0%, Lag= 0.0 min
Primary = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.92' @ 12.35 hrs
Flood Elev= 348.80'

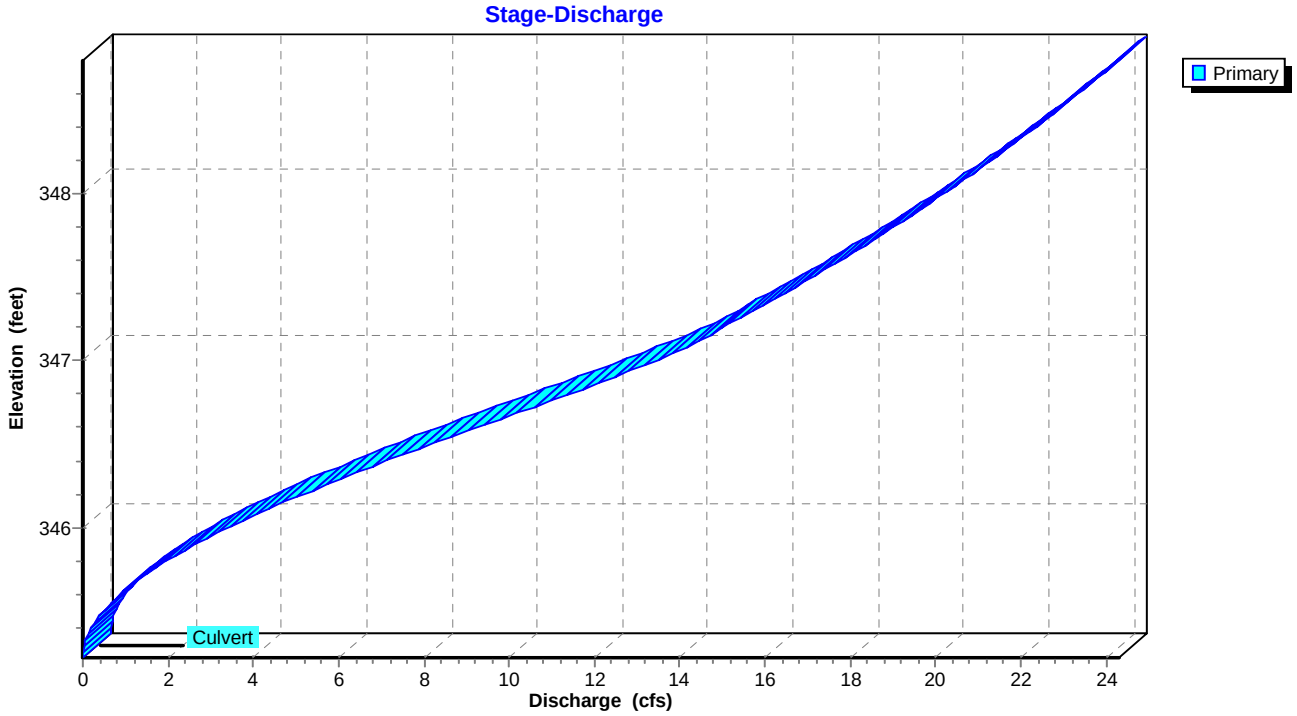
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=2.77 cfs @ 12.36 hrs HW=345.92' TW=344.49' (Dynamic Tailwater)
1=Culvert (Outlet Controls 2.77 cfs @ 4.23 fps)

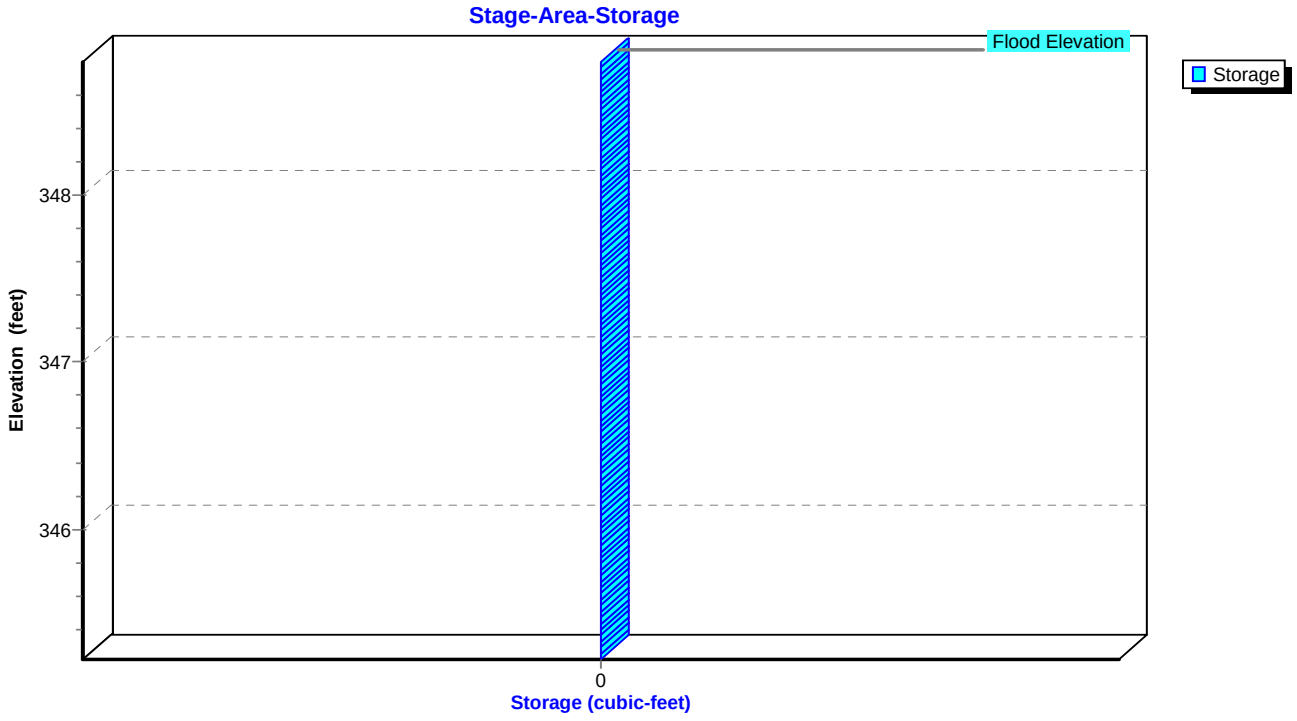
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.22	0.00
8.00	0.00	345.22	0.00
8.50	0.00	345.24	0.00
9.00	0.01	345.27	0.01
9.50	0.03	345.29	0.03
10.00	0.05	345.32	0.05
10.50	0.09	345.34	0.09
11.00	0.13	345.37	0.13
11.50	0.22	345.41	0.22
12.00	**0.85**	**345.59**	**0.85**
12.50	**2.43**	**345.87**	**2.43**
13.00	0.79	345.58	0.79
13.50	0.43	345.48	0.43
14.00	0.34	345.46	0.34
14.50	0.28	345.43	0.28
15.00	0.25	345.42	0.25
15.50	0.22	345.41	0.22
16.00	0.18	345.39	0.18
16.50	0.16	345.38	0.16
17.00	0.14	345.37	0.14
17.50	0.12	345.36	0.12
18.00	0.11	345.35	0.11
18.50	0.10	345.35	0.10
19.00	0.09	345.34	0.09
19.50	0.09	345.34	0.09
20.00	0.08	345.34	0.08
20.50	0.08	345.34	0.08
21.00	0.08	345.33	0.08
21.50	0.07	345.33	0.07
22.00	0.07	345.33	0.07
22.50	0.07	345.33	0.07
23.00	0.06	345.32	0.06
23.50	0.06	345.32	0.06
24.00	0.06	345.32	0.06

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

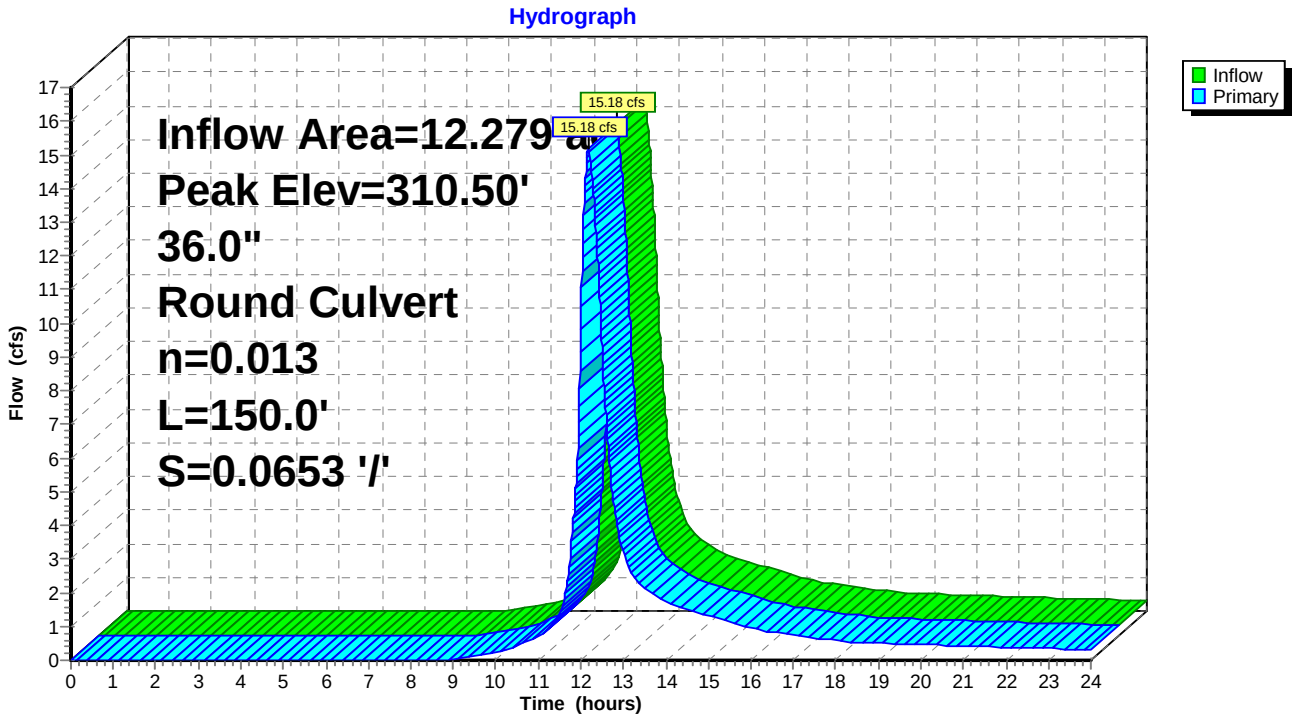
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af
Outflow = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af, Atten= 0%, Lag= 0.0 min
Primary = 15.18 cfs @ 12.18 hrs, Volume= 1.740 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.50' @ 12.18 hrs
Flood Elev= 313.50'

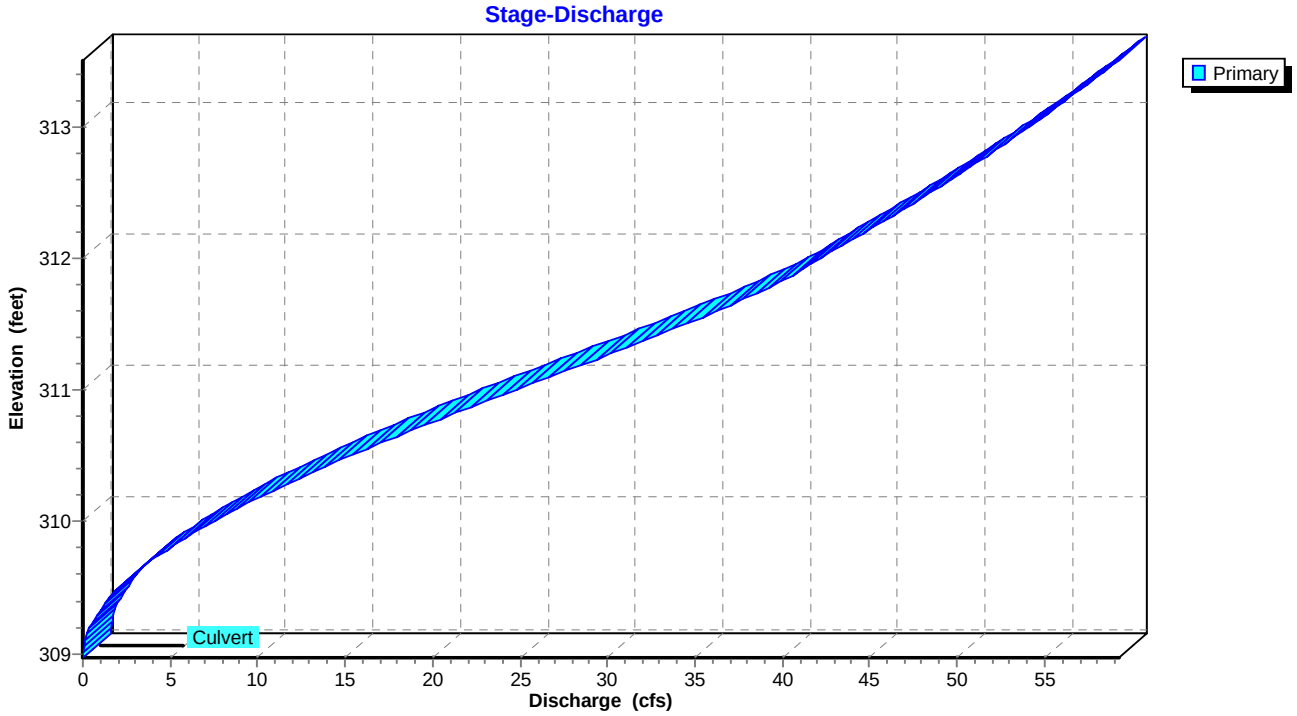
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=15.18 cfs @ 12.18 hrs HW=310.50' TW=299.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.18 cfs @ 4.20 fps)

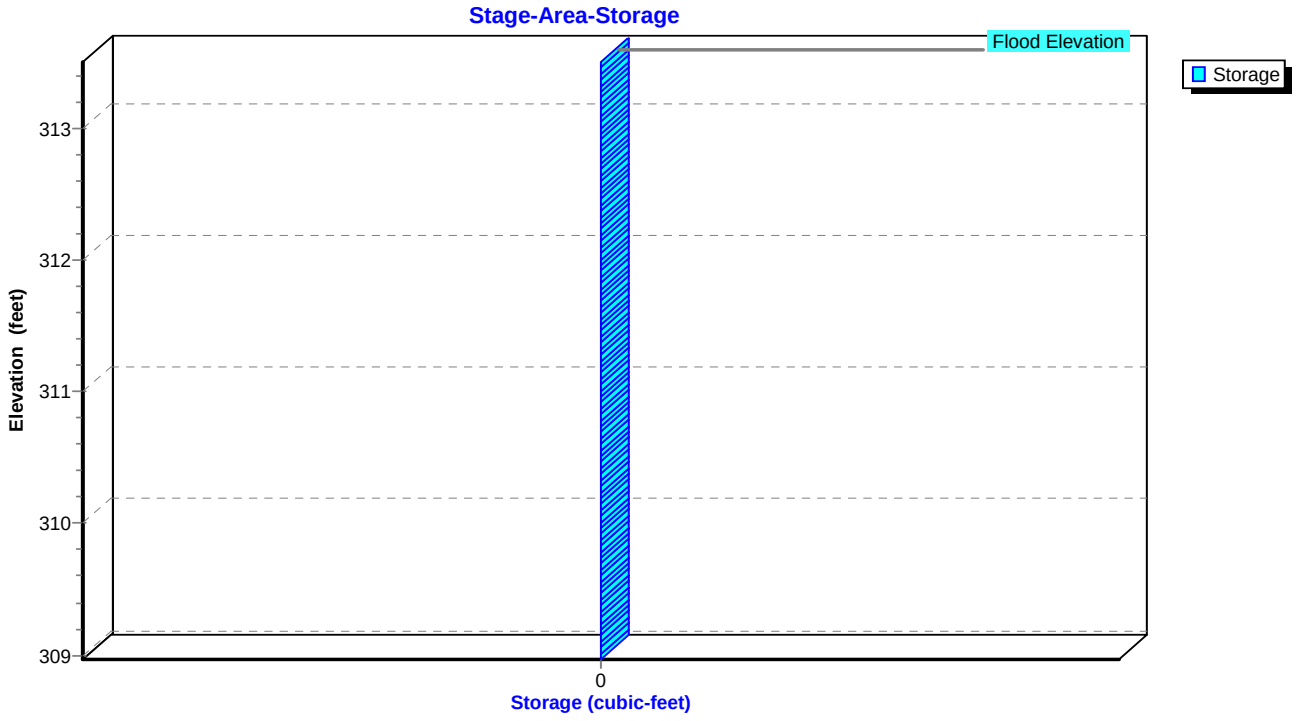
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.97	0.00
7.50	0.00	308.97	0.00
8.00	0.00	308.97	0.00
8.50	0.01	309.00	0.01
9.00	0.04	309.04	0.04
9.50	0.11	309.09	0.11
10.00	0.24	309.15	0.24
10.50	0.43	309.21	0.43
11.00	0.71	309.28	0.71
11.50	1.37	309.40	1.37
12.00	**9.81**	**310.17**	**9.81**
12.50	**9.29**	**310.13**	**9.29**
13.00	3.17	309.63	3.17
13.50	2.14	309.51	2.14
14.00	1.76	309.46	1.76
14.50	1.50	309.42	1.50
15.00	1.32	309.39	1.32
15.50	1.14	309.36	1.14
16.00	0.96	309.33	0.96
16.50	0.83	309.30	0.83
17.00	0.75	309.28	0.75
17.50	0.67	309.27	0.67
18.00	0.58	309.25	0.58
18.50	0.53	309.23	0.53
19.00	0.51	309.23	0.51
19.50	0.48	309.22	0.48
20.00	0.46	309.21	0.46
20.50	0.44	309.21	0.44
21.00	0.42	309.20	0.42
21.50	0.40	309.20	0.40
22.00	0.38	309.19	0.38
22.50	0.36	309.19	0.36
23.00	0.34	309.18	0.34
23.50	0.33	309.18	0.33
24.00	0.31	309.17	0.31

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

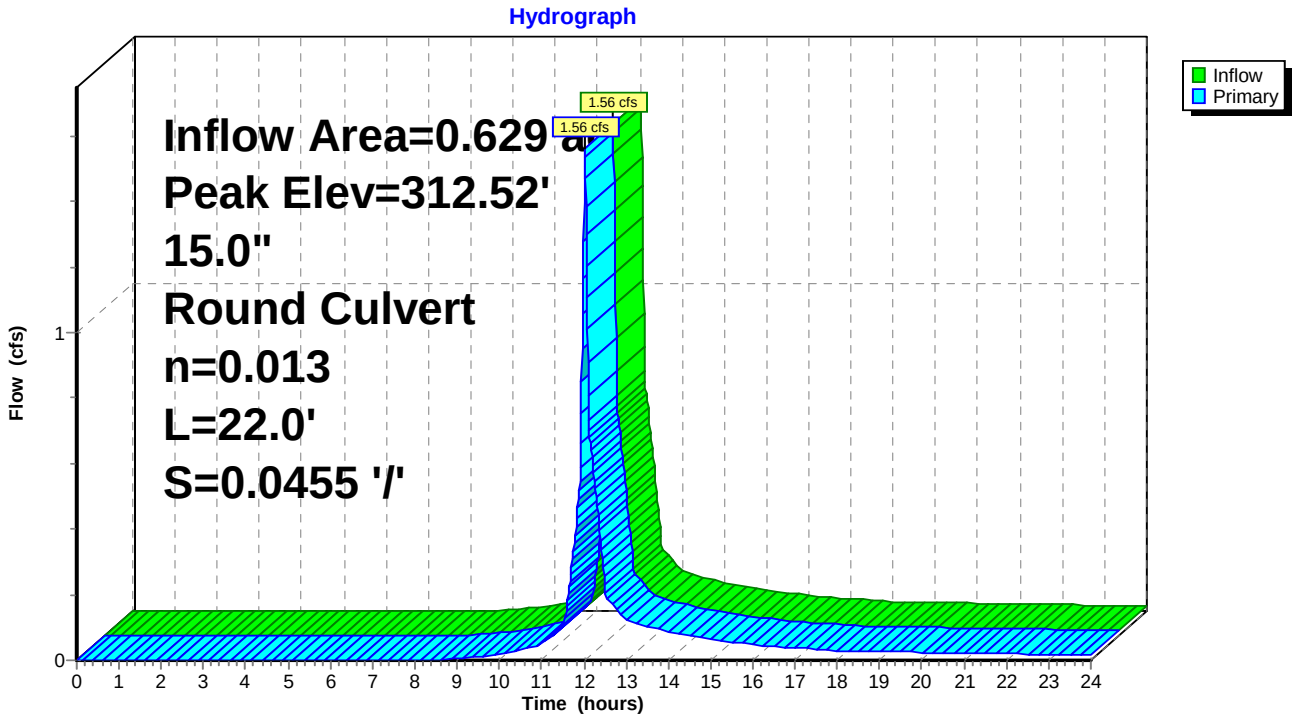
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.78" for 2-Year event
Inflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.52' @ 12.02 hrs
Flood Elev= 314.50'

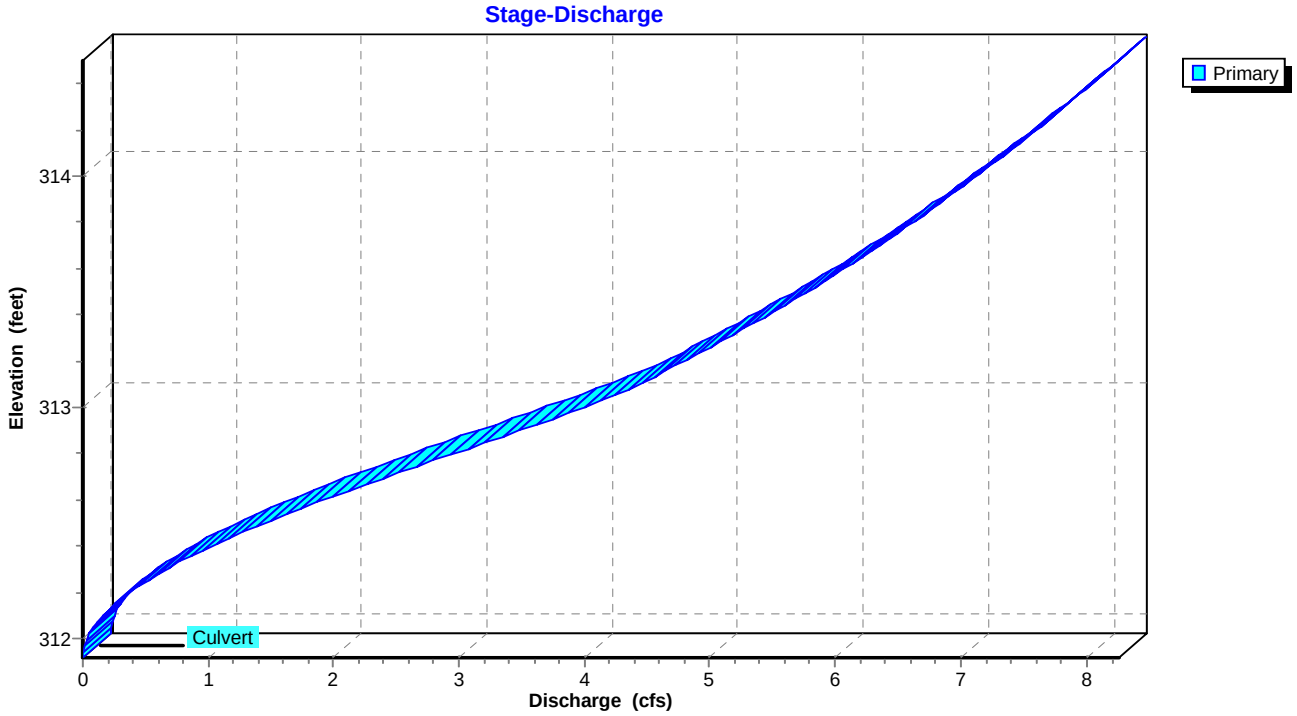
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.55 cfs @ 12.02 hrs HW=312.52' TW=310.25' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.55 cfs @ 2.64 fps)

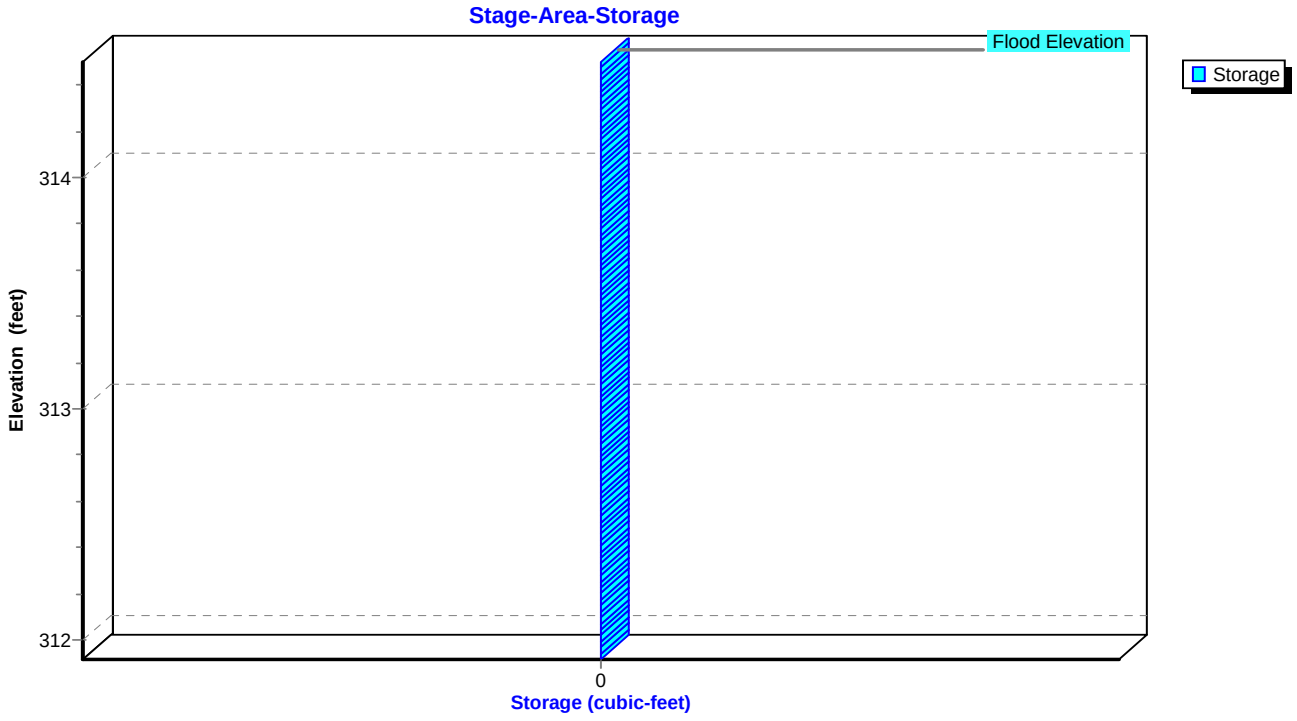
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.93	0.00
9.00	0.00	311.95	0.00
9.50	0.01	311.97	0.01
10.00	0.02	311.98	0.02
10.50	0.03	312.00	0.03
11.00	0.05	312.02	0.05
11.50	0.10	312.06	0.10
12.00	**1.39**	**312.49**	**1.39**
12.50	**0.22**	**312.13**	**0.22**
13.00	0.12	312.08	0.12
13.50	0.10	312.07	0.10
14.00	0.08	312.05	0.08
14.50	0.08	312.04	0.08
15.00	0.07	312.04	0.07
15.50	0.06	312.03	0.06
16.00	0.05	312.02	0.05
16.50	0.04	312.01	0.04
17.00	0.04	312.01	0.04
17.50	0.03	312.00	0.03
18.00	0.03	312.00	0.03
18.50	0.03	311.99	0.03
19.00	0.03	311.99	0.03
19.50	0.02	311.99	0.02
20.00	0.02	311.99	0.02
20.50	0.02	311.99	0.02
21.00	0.02	311.99	0.02
21.50	0.02	311.98	0.02
22.00	0.02	311.98	0.02
22.50	0.02	311.98	0.02
23.00	0.02	311.98	0.02
23.50	0.02	311.98	0.02
24.00	0.02	311.98	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

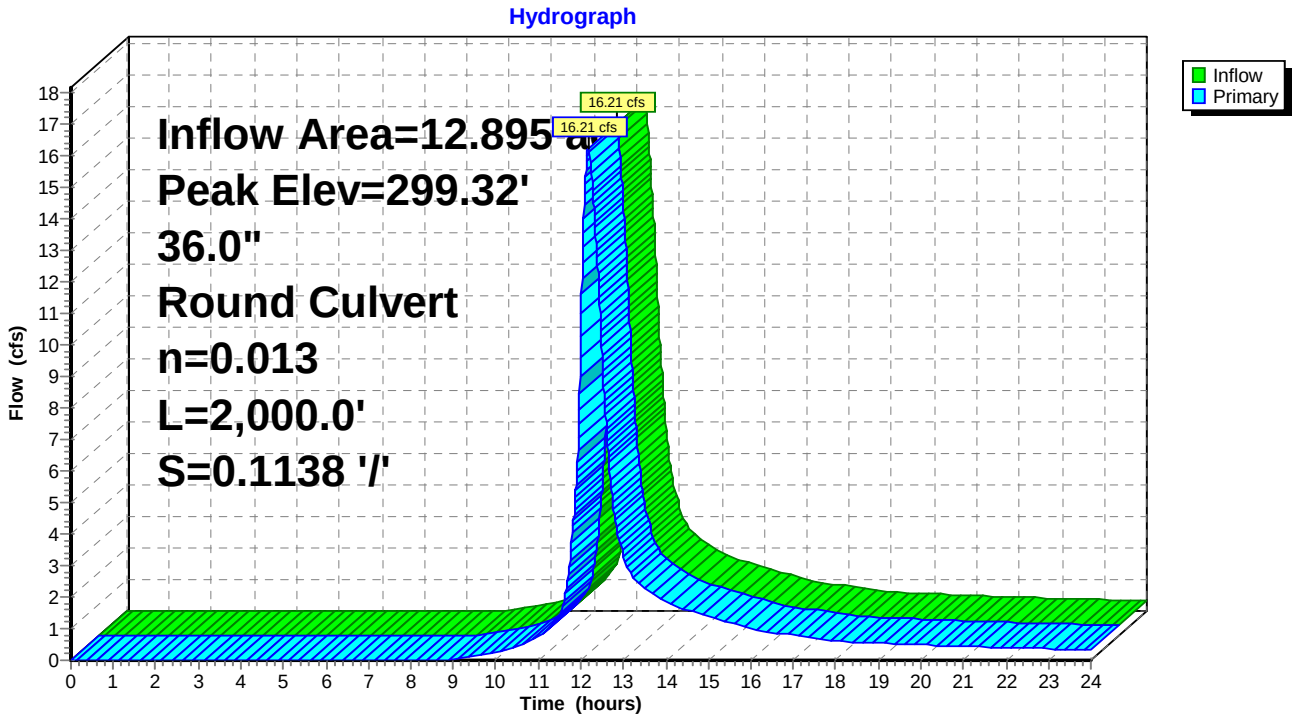
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af
Outflow = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af, Atten= 0%, Lag= 0.0 min
Primary = 16.21 cfs @ 12.17 hrs, Volume= 1.827 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.32' @ 12.17 hrs
Flood Elev= 303.50'

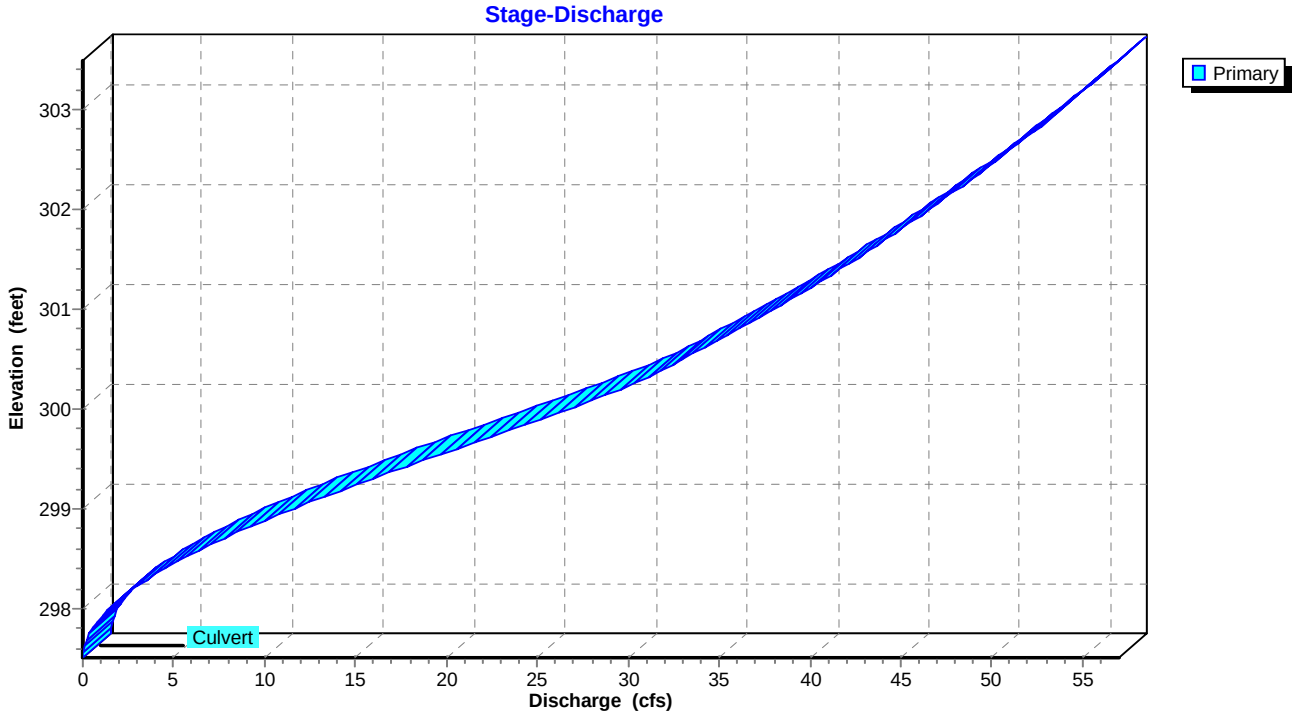
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.21 cfs @ 12.17 hrs HW=299.32' (Free Discharge)
1=Culvert (Inlet Controls 16.21 cfs @ 3.62 fps)

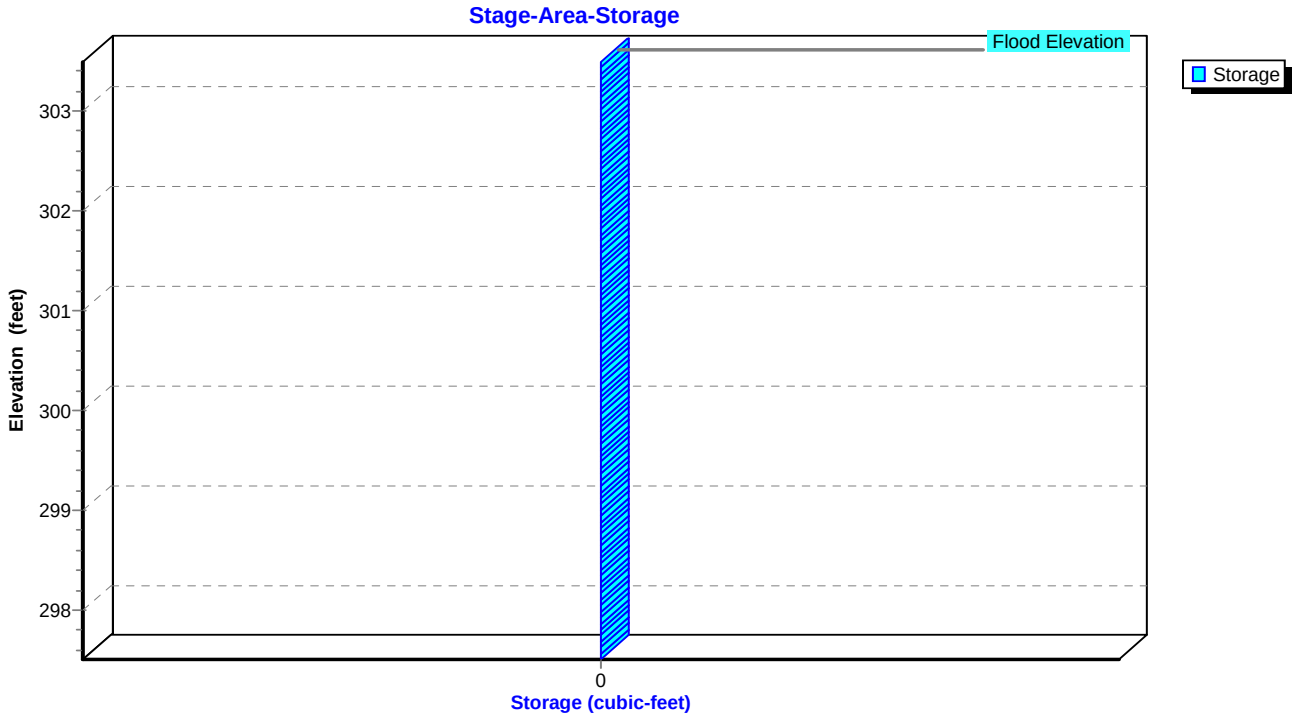
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.50	0.00
7.00	0.00	297.50	0.00
7.50	0.00	297.50	0.00
8.00	0.00	297.50	0.00
8.50	0.01	297.53	0.01
9.00	0.04	297.58	0.04
9.50	0.12	297.64	0.12
10.00	0.26	297.71	0.26
10.50	0.46	297.78	0.46
11.00	0.75	297.85	0.75
11.50	1.44	297.99	1.44
12.00	**10.30**	**298.90**	**10.30**
12.50	**9.68**	**298.85**	**9.68**
13.00	3.31	298.26	3.31
13.50	2.25	298.12	2.25
14.00	1.84	298.06	1.84
14.50	1.58	298.02	1.58
15.00	1.39	297.99	1.39
15.50	1.20	297.95	1.20
16.00	1.00	297.91	1.00
16.50	0.87	297.88	0.87
17.00	0.79	297.86	0.79
17.50	0.70	297.84	0.70
18.00	0.61	297.82	0.61
18.50	0.56	297.81	0.56
19.00	0.53	297.80	0.53
19.50	0.51	297.79	0.51
20.00	0.48	297.78	0.48
20.50	0.46	297.78	0.46
21.00	0.44	297.77	0.44
21.50	0.42	297.76	0.42
22.00	0.40	297.76	0.40
22.50	0.38	297.75	0.38
23.00	0.36	297.74	0.36
23.50	0.34	297.74	0.34
24.00	0.32	297.73	0.32

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

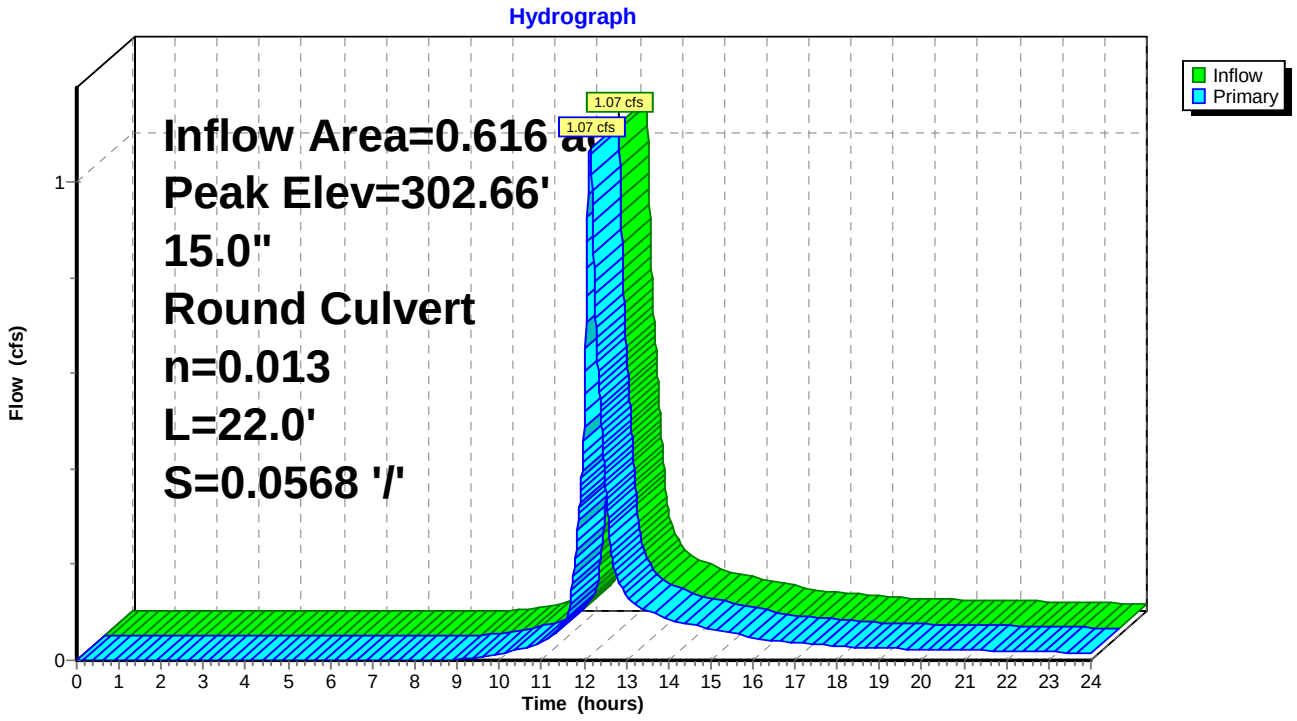
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af
Outflow = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.14 hrs, Volume= 0.087 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.66' @ 12.14 hrs
Flood Elev= 304.80'

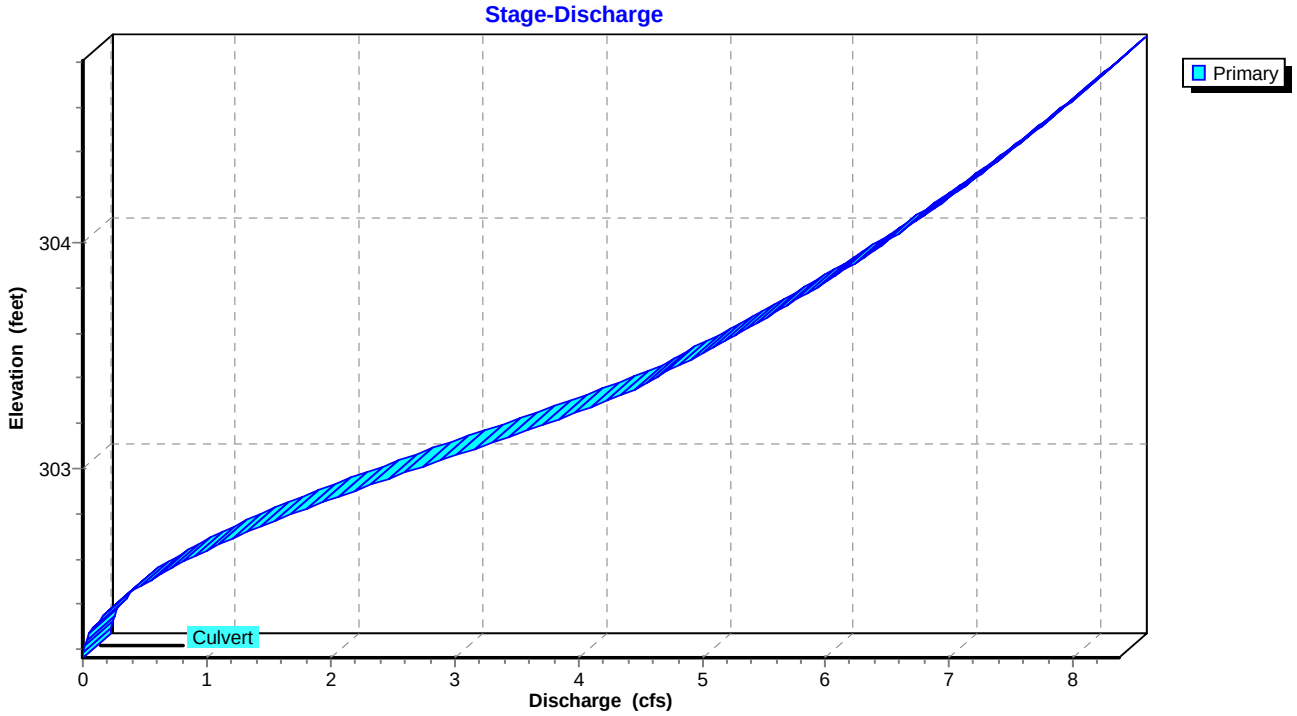
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.07 cfs @ 12.14 hrs HW=302.66' TW=299.31' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.07 cfs @ 2.39 fps)

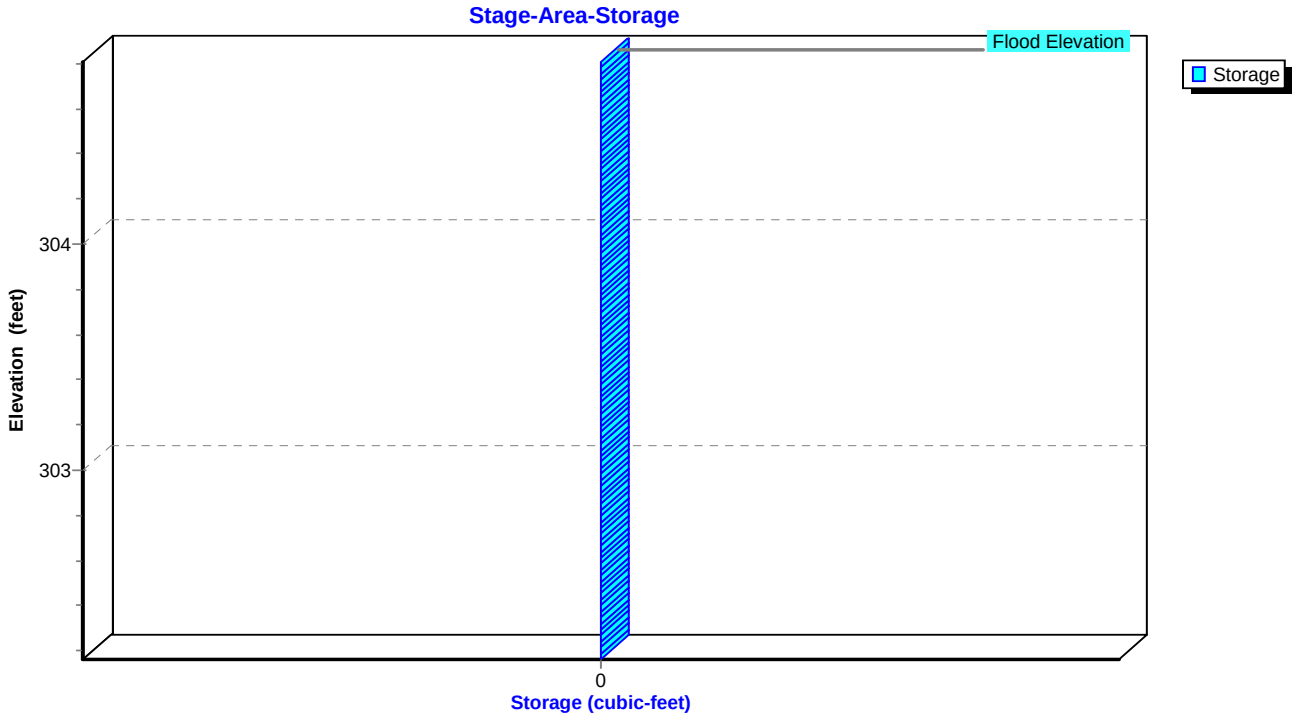
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.17	0.00
8.50	0.00	302.17	0.00
9.00	0.00	302.19	0.00
9.50	0.01	302.21	0.01
10.00	0.01	302.22	0.01
10.50	0.02	302.24	0.02
11.00	0.04	302.26	0.04
11.50	0.07	302.29	0.07
12.00	**0.49**	**302.49**	**0.49**
12.50	**0.39**	**302.46**	**0.39**
13.00	0.14	302.34	0.14
13.50	0.10	302.32	0.10
14.00	0.09	302.30	0.09
14.50	0.07	302.29	0.07
15.00	0.07	302.29	0.07
15.50	0.06	302.28	0.06
16.00	0.05	302.27	0.05
16.50	0.04	302.26	0.04
17.00	0.04	302.26	0.04
17.50	0.03	302.25	0.03
18.00	0.03	302.25	0.03
18.50	0.03	302.24	0.03
19.00	0.03	302.24	0.03
19.50	0.02	302.24	0.02
20.00	0.02	302.24	0.02
20.50	0.02	302.24	0.02
21.00	0.02	302.23	0.02
21.50	0.02	302.23	0.02
22.00	0.02	302.23	0.02
22.50	0.02	302.23	0.02
23.00	0.02	302.23	0.02
23.50	0.02	302.23	0.02
24.00	0.02	302.23	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

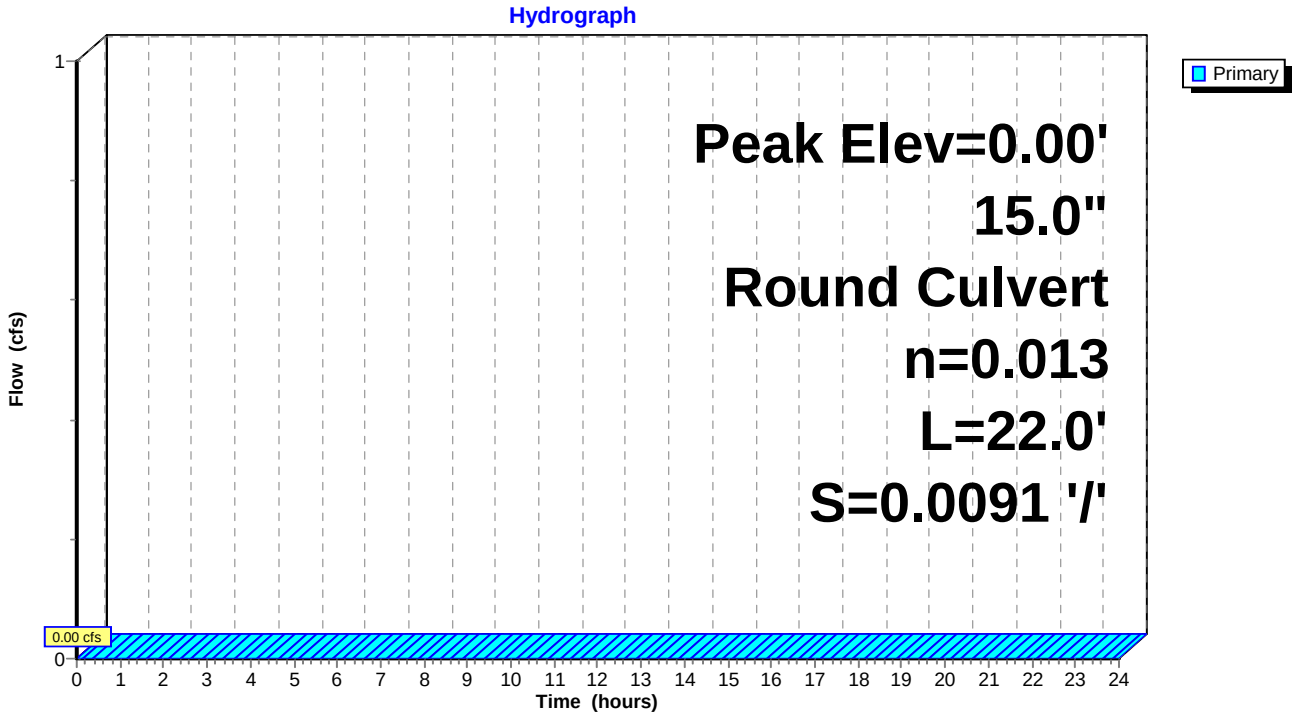
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

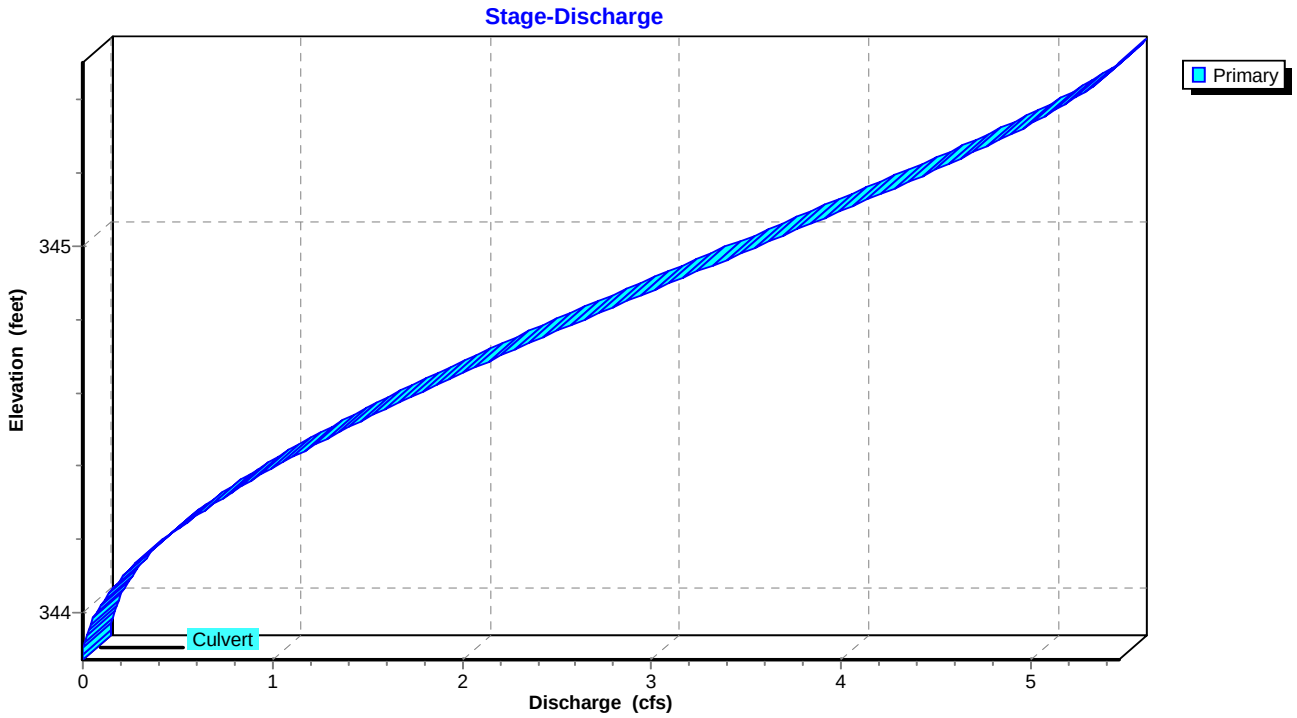
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

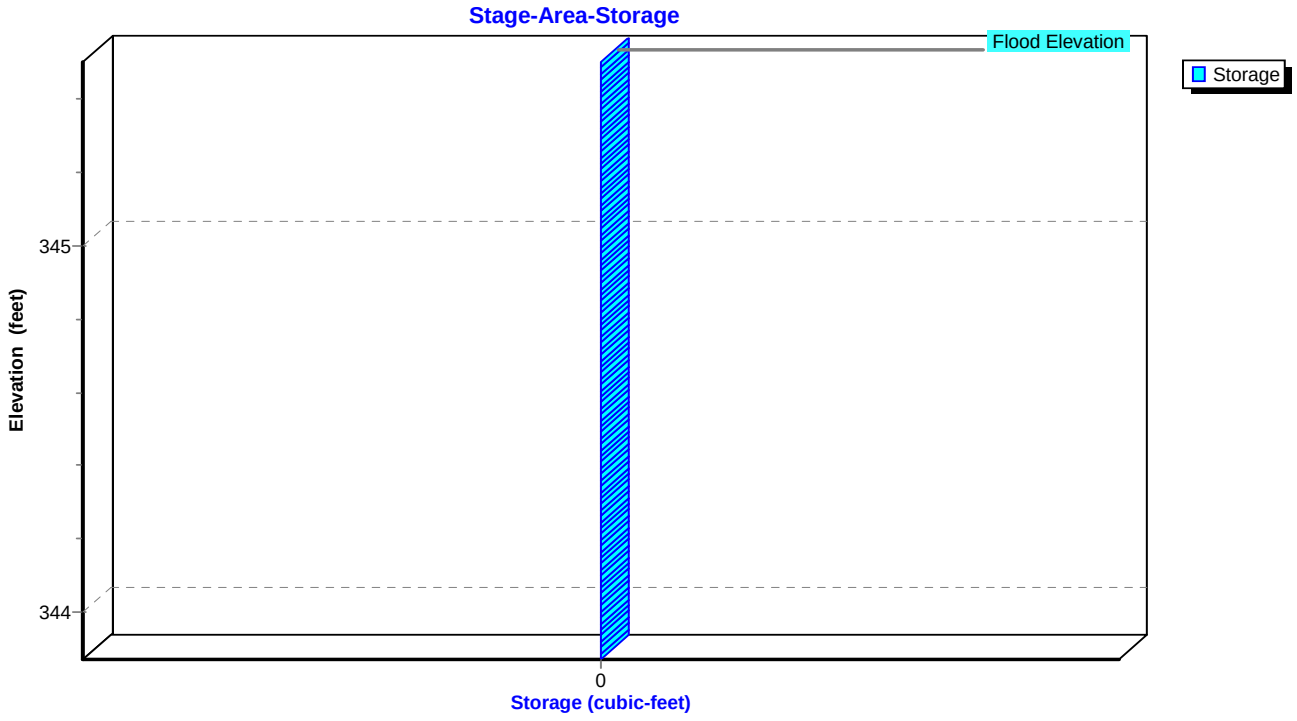
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

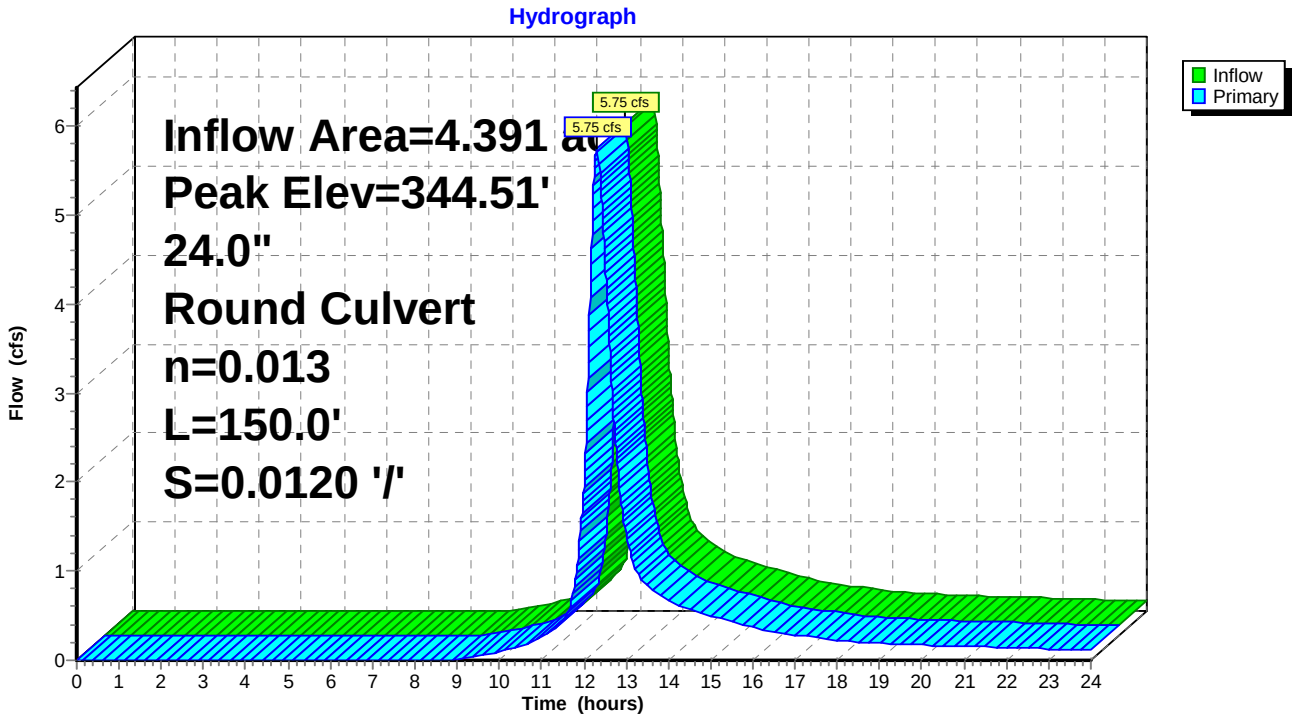
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af
Outflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af, Atten= 0%, Lag= 0.0 min
Primary = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.51' @ 12.31 hrs
Flood Elev= 347.00'

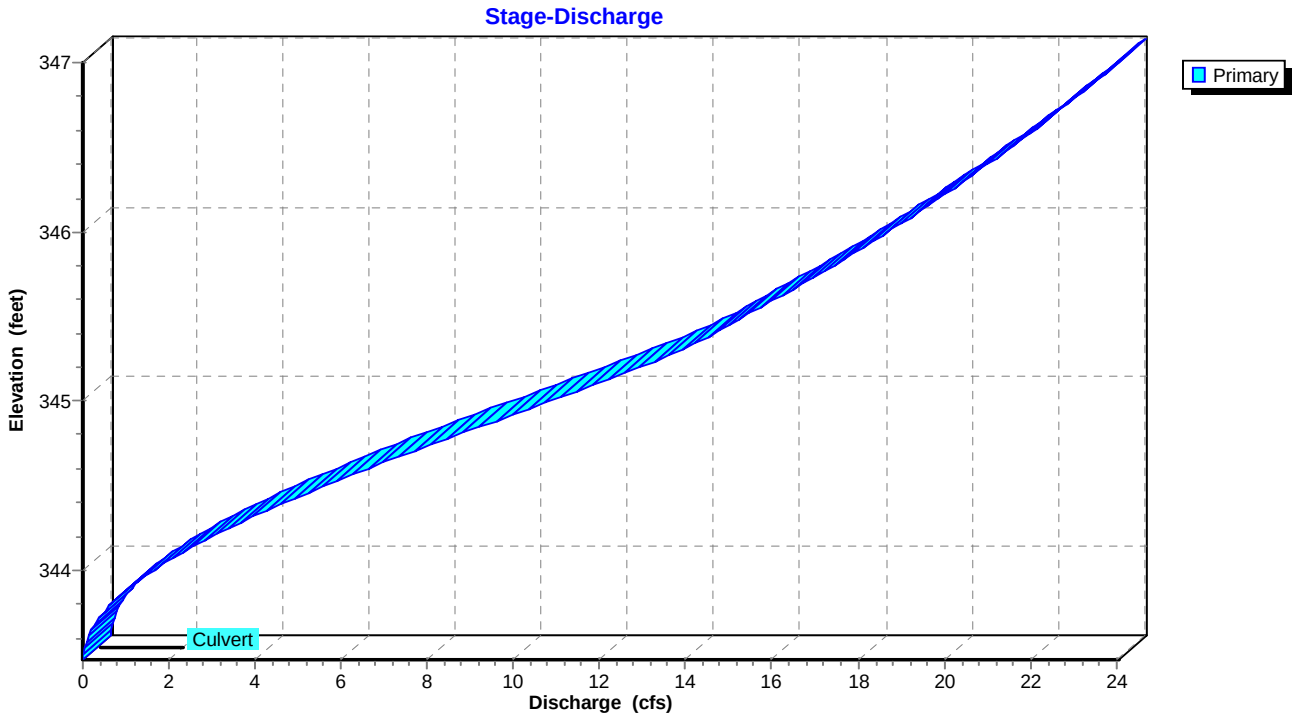
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.74 cfs @ 12.31 hrs HW=344.51' TW=342.65' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.74 cfs @ 3.47 fps)

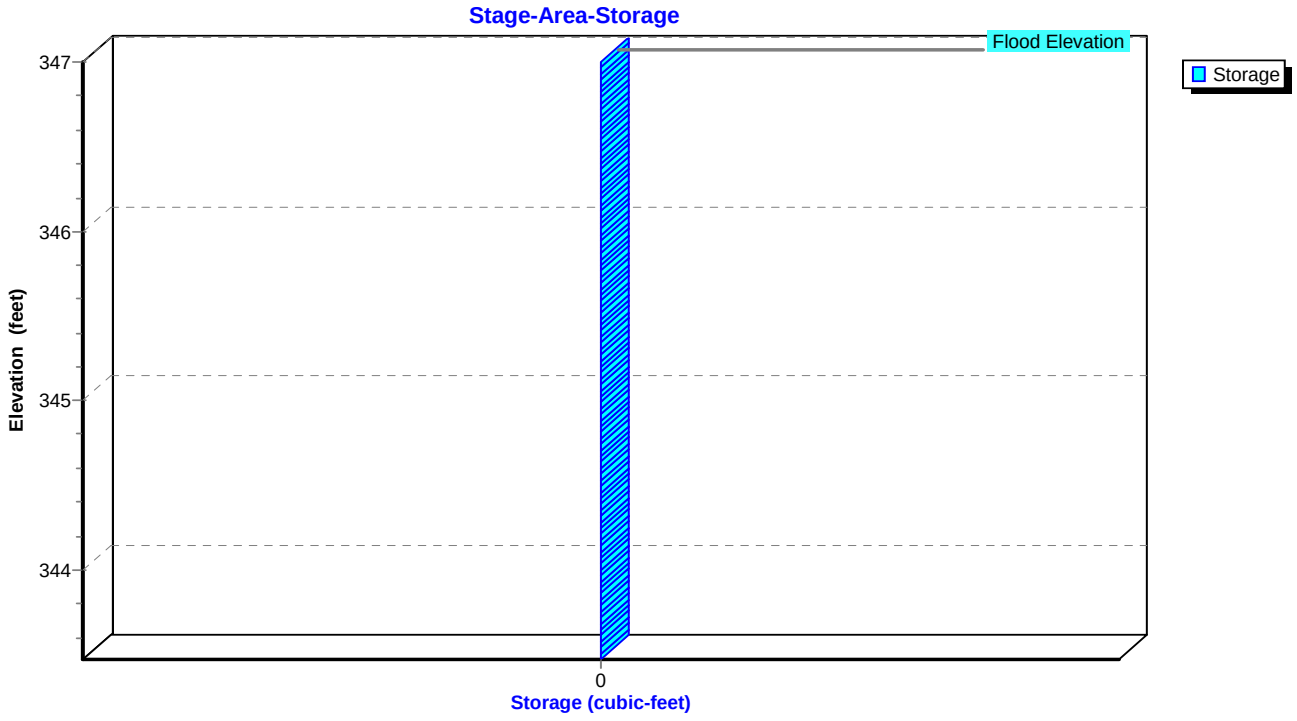
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.47	0.00
8.00	0.00	343.47	0.00
8.50	0.00	343.49	0.00
9.00	0.01	343.52	0.01
9.50	0.05	343.56	0.05
10.00	0.09	343.59	0.09
10.50	0.16	343.63	0.16
11.00	0.26	343.67	0.26
11.50	0.45	343.74	0.45
12.00	**1.95**	**344.05**	**1.95**
12.50	**4.53**	**344.38**	**4.53**
13.00	1.42	343.96	1.42
13.50	0.84	343.84	0.84
14.00	0.68	343.80	0.68
14.50	0.57	343.78	0.57
15.00	0.50	343.76	0.50
15.50	0.44	343.74	0.44
16.00	0.37	343.71	0.37
16.50	0.31	343.69	0.31
17.00	0.28	343.68	0.28
17.50	0.25	343.67	0.25
18.00	0.22	343.66	0.22
18.50	0.20	343.65	0.20
19.00	0.19	343.64	0.19
19.50	0.18	343.64	0.18
20.00	0.17	343.63	0.17
20.50	0.16	343.63	0.16
21.00	0.16	343.63	0.16
21.50	0.15	343.62	0.15
22.00	0.14	343.62	0.14
22.50	0.13	343.62	0.13
23.00	0.13	343.61	0.13
23.50	0.12	343.61	0.12
24.00	0.11	343.60	0.11

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

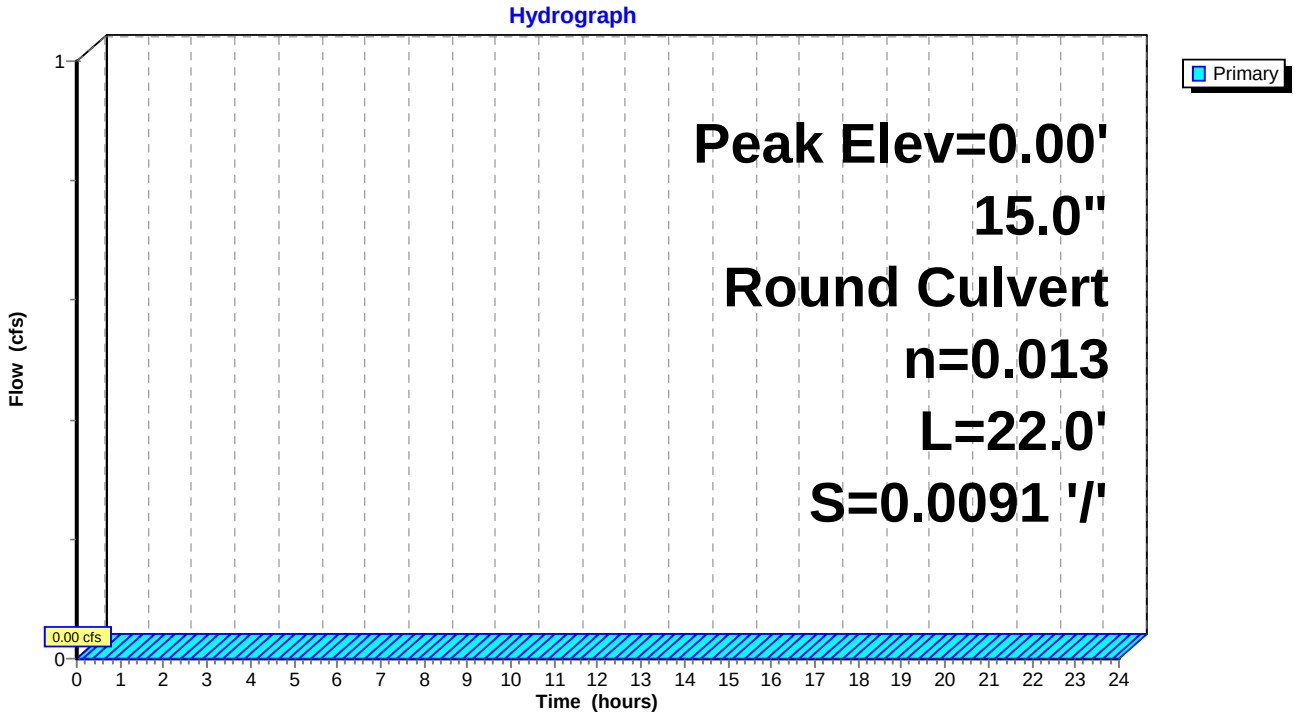
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

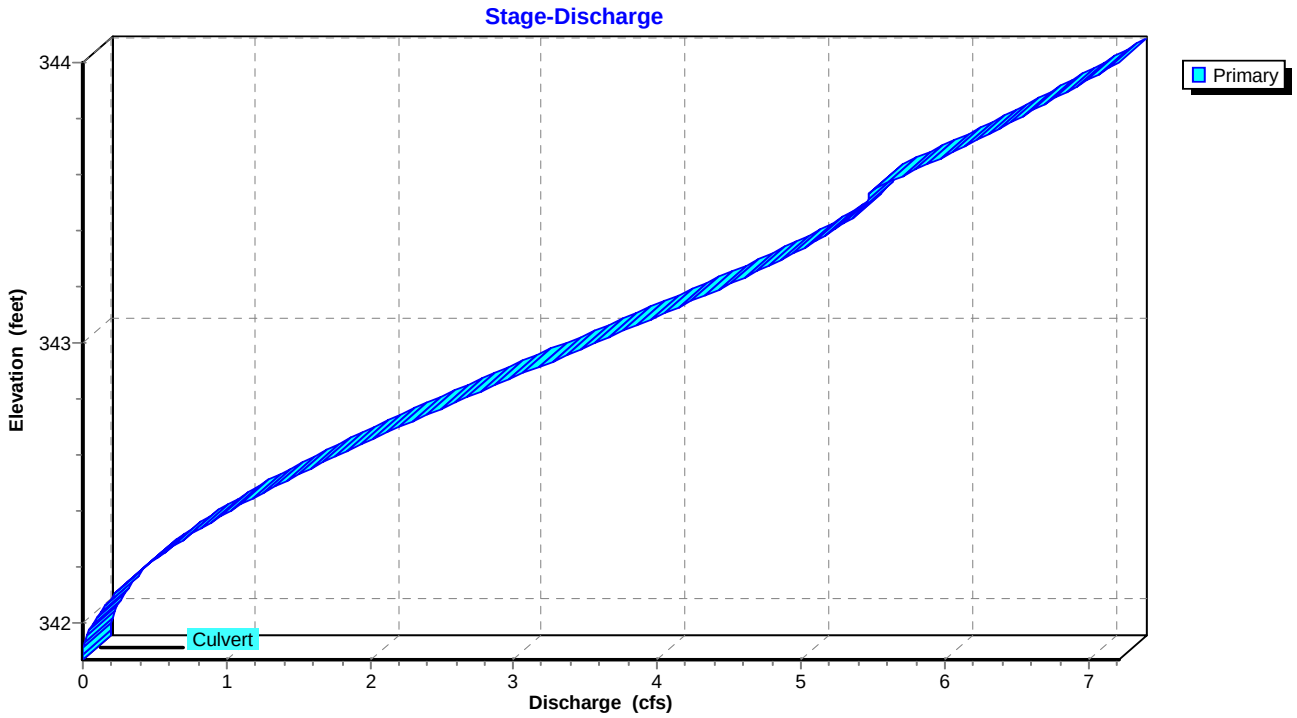
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

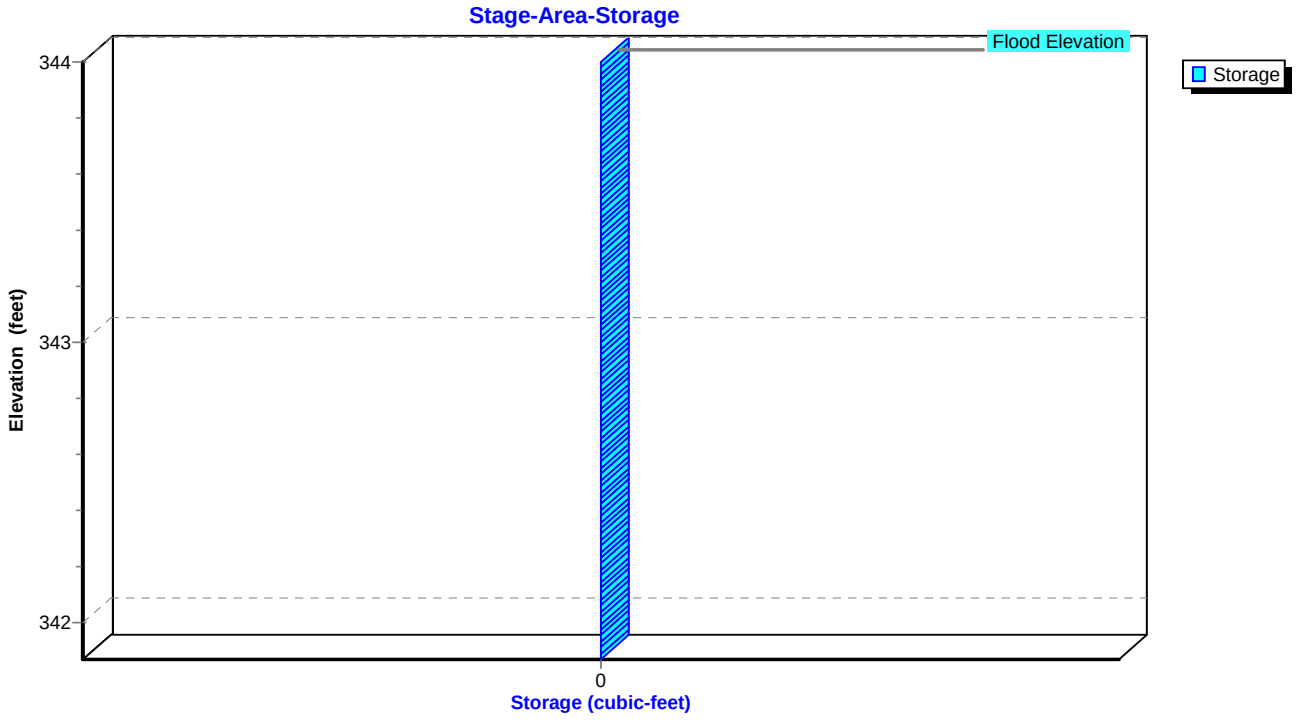
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

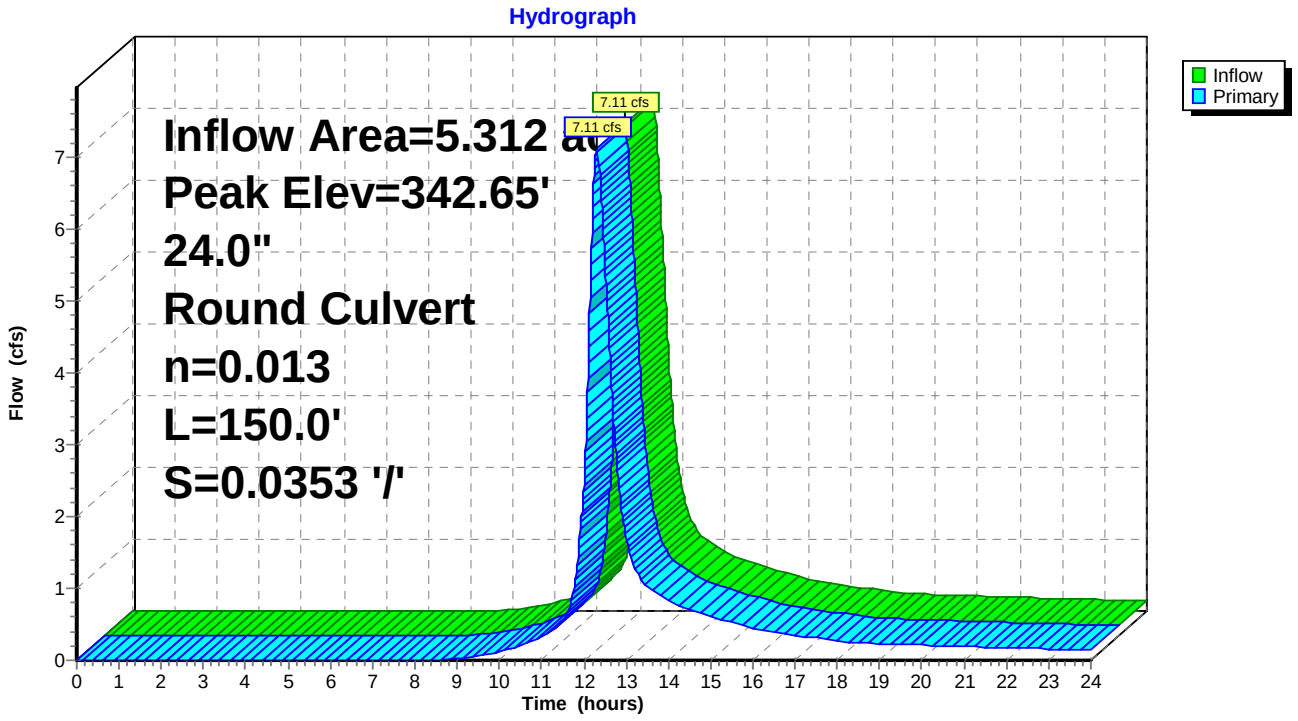
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.80" for 2-Year event
Inflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af
Outflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af, Atten= 0%, Lag= 0.0 min
Primary = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.65' @ 12.31 hrs
Flood Elev= 345.00'

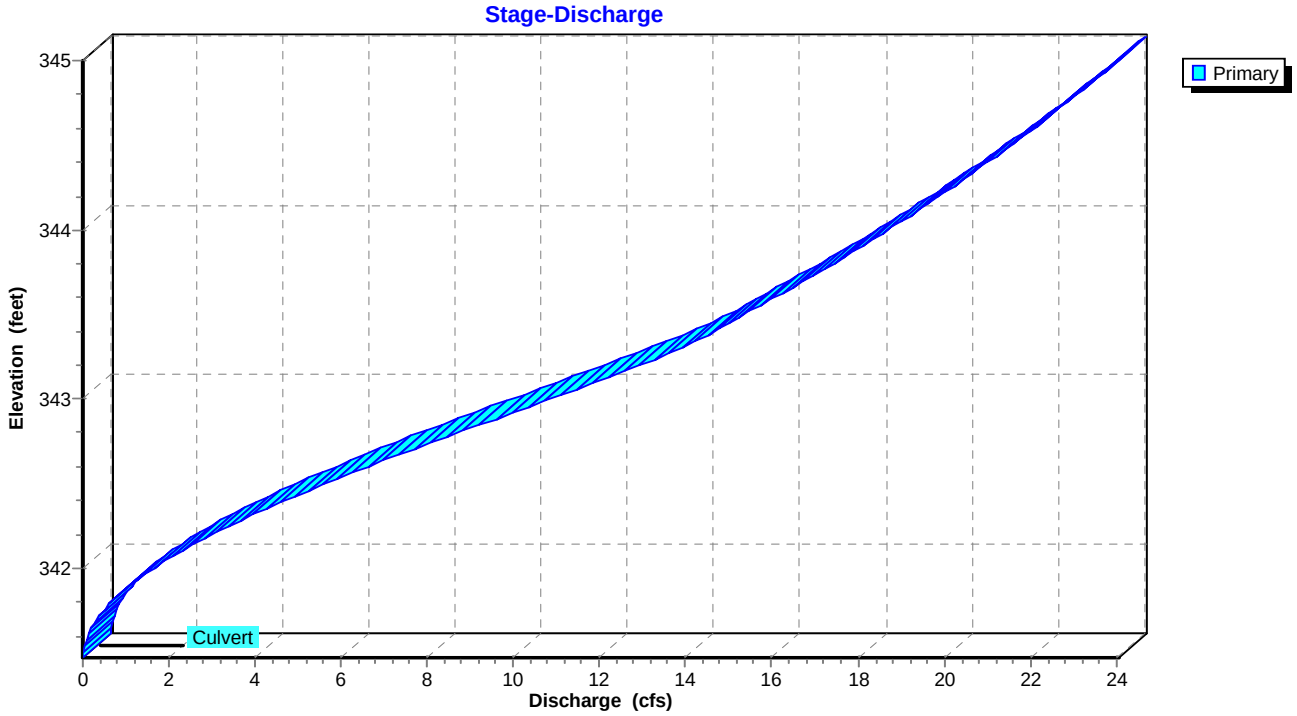
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.11 cfs @ 12.31 hrs HW=342.65' TW=336.38' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 7.11 cfs @ 3.69 fps)

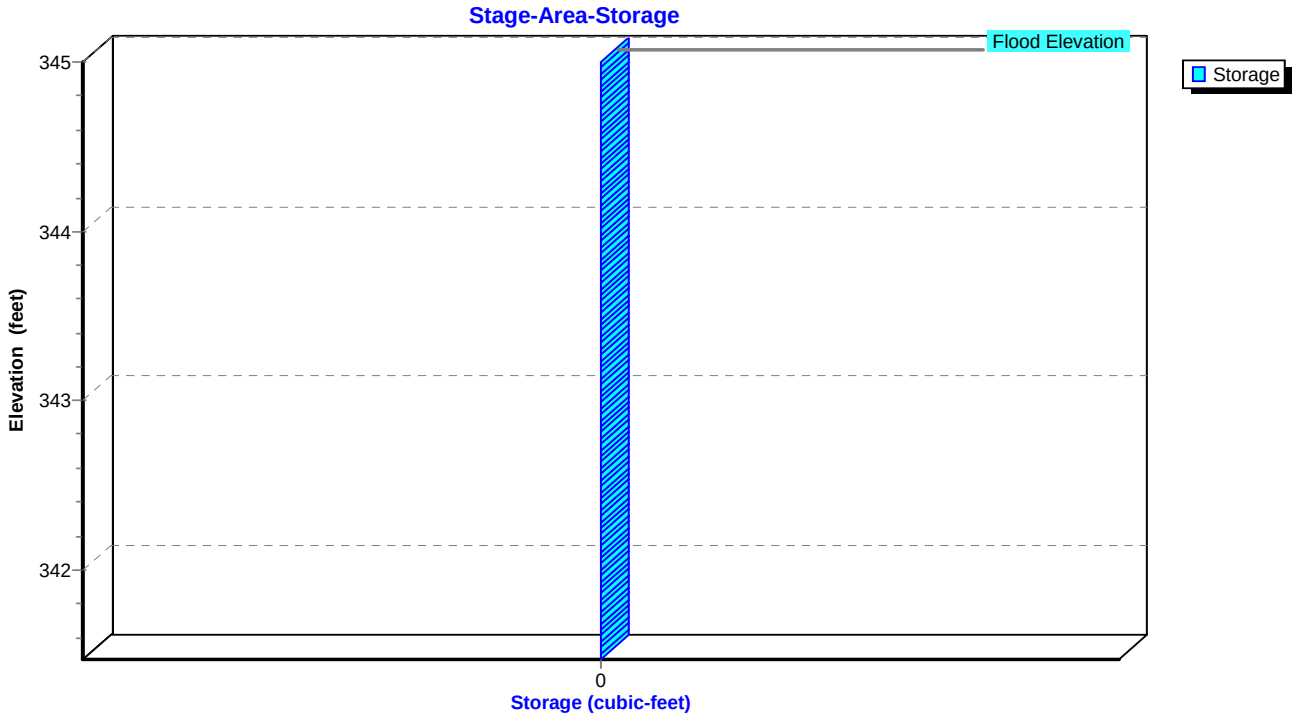
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.47	0.00
7.50	0.00	341.47	0.00
8.00	0.00	341.47	0.00
8.50	0.00	341.50	0.00
9.00	0.02	341.53	0.02
9.50	0.07	341.57	0.07
10.00	0.12	341.61	0.12
10.50	0.20	341.65	0.20
11.00	0.33	341.70	0.33
11.50	0.57	341.77	0.57
12.00	**2.43**	**342.12**	**2.43**
12.50	**5.54**	**342.49**	**5.54**
13.00	1.72	342.01	1.72
13.50	1.02	341.88	1.02
14.00	0.83	341.84	0.83
14.50	0.69	341.81	0.69
15.00	0.61	341.79	0.61
15.50	0.53	341.76	0.53
16.00	0.45	341.74	0.45
16.50	0.38	341.72	0.38
17.00	0.34	341.71	0.34
17.50	0.31	341.69	0.31
18.00	0.27	341.68	0.27
18.50	0.24	341.67	0.24
19.00	0.23	341.66	0.23
19.50	0.22	341.66	0.22
20.00	0.21	341.65	0.21
20.50	0.20	341.65	0.20
21.00	0.19	341.64	0.19
21.50	0.18	341.64	0.18
22.00	0.17	341.64	0.17
22.50	0.16	341.63	0.16
23.00	0.16	341.63	0.16
23.50	0.15	341.62	0.15
24.00	0.14	341.62	0.14

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.47	**0**	344.02	0
341.52	0	344.07	0
341.57	0	344.12	0
341.62	0	344.17	0
341.67	0	344.22	0
341.72	0	344.27	0
341.77	0	344.32	0
341.82	0	344.37	0
341.87	0	344.42	0
341.92	0	344.47	0
341.97	0	344.52	0
342.02	0	344.57	0
342.07	0	344.62	0
342.12	0	344.67	0
342.17	0	344.72	0
342.22	0	344.77	0
342.27	0	344.82	0
342.32	0	344.87	0
342.37	0	344.92	0
342.42	0	344.97	0
342.47	0		
342.52	0		
342.57	0		
342.62	0		
342.67	0		
342.72	0		
342.77	0		
342.82	0		
342.87	0		
342.92	0		
342.97	0		
343.02	0		
343.07	0		
343.12	0		
343.17	0		
343.22	0		
343.27	0		
343.32	0		
343.37	0		
343.42	0		
343.47	0		
343.52	0		
343.57	0		
343.62	0		
343.67	0		
343.72	0		
343.77	0		
343.82	0		
343.87	0		
343.92	0		
343.97	0		

Summary for Pond CB4: Catchbasin

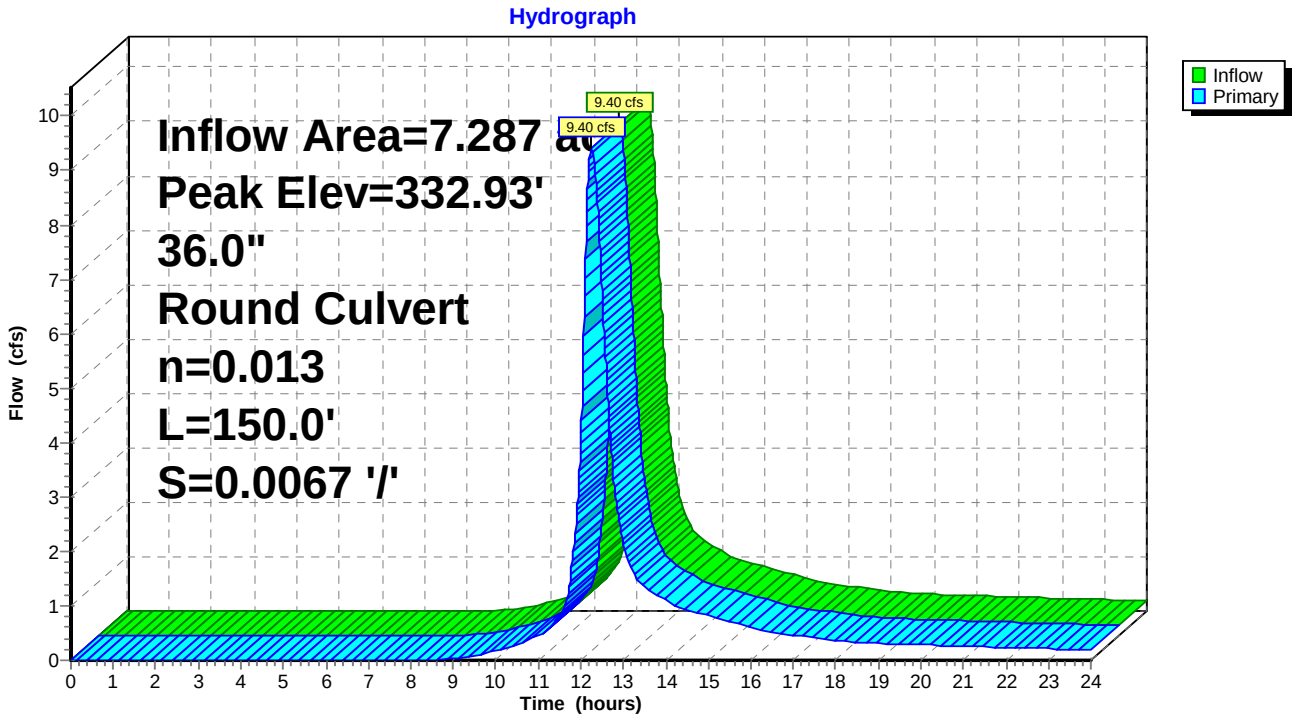
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.93' @ 12.26 hrs
Flood Elev= 337.75'

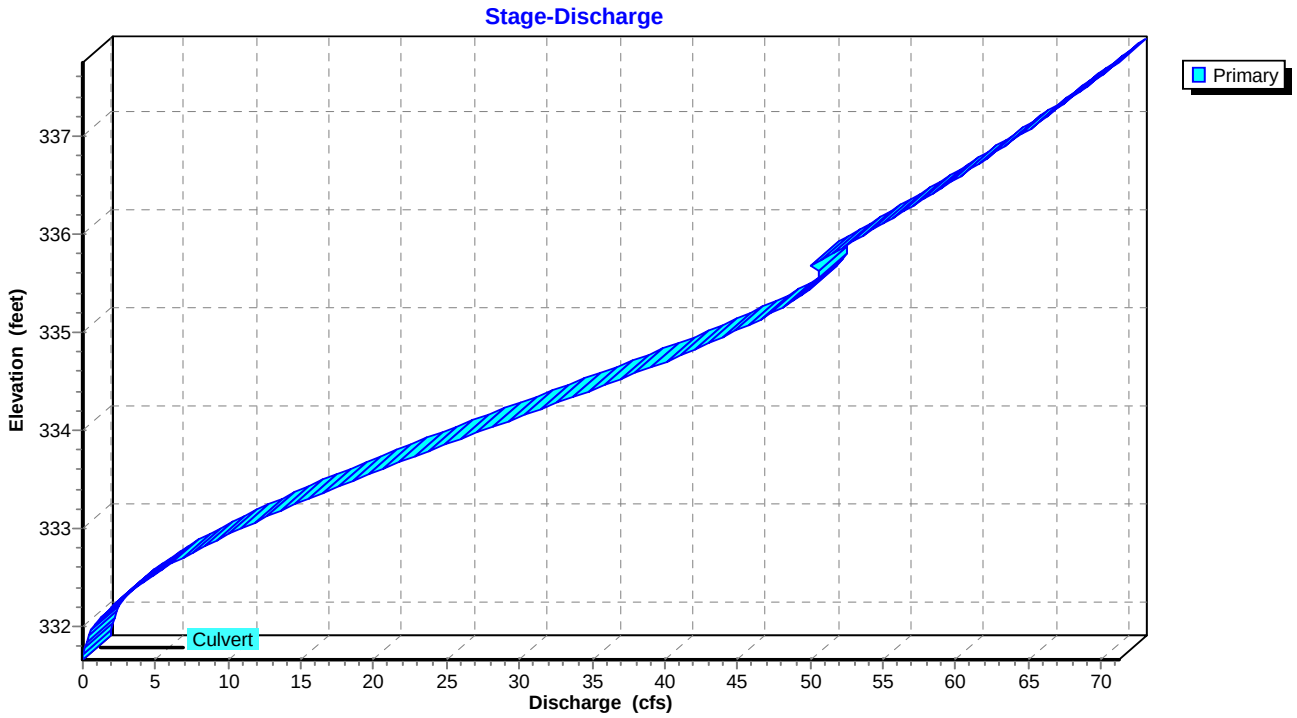
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=332.93' TW=331.73' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 9.40 cfs @ 4.91 fps)

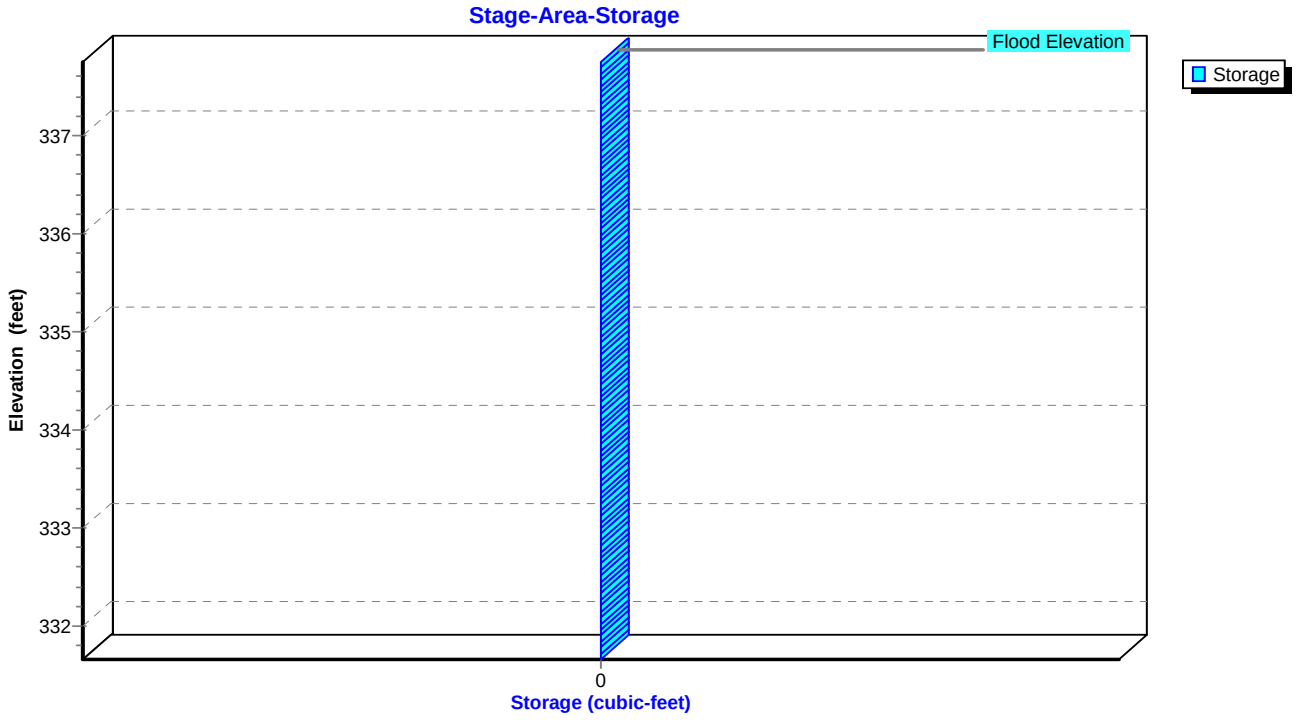
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.67	0.00
7.50	0.00	331.67	0.00
8.00	0.00	331.67	0.00
8.50	0.00	331.70	0.00
9.00	0.03	331.74	0.03
9.50	0.09	331.79	0.09
10.00	0.17	331.83	0.17
10.50	0.28	331.88	0.28
11.00	0.45	331.93	0.45
11.50	0.81	332.02	0.81
12.00	**3.98**	**332.45**	**3.98**
12.50	**6.79**	**332.71**	**6.79**
13.00	2.16	332.24	2.16
13.50	1.35	332.12	1.35
14.00	1.10	332.07	1.10
14.50	0.93	332.04	0.93
15.00	0.82	332.02	0.82
15.50	0.71	332.00	0.71
16.00	0.60	331.97	0.60
16.50	0.51	331.95	0.51
17.00	0.46	331.94	0.46
17.50	0.41	331.92	0.41
18.00	0.36	331.91	0.36
18.50	0.33	331.89	0.33
19.00	0.31	331.89	0.31
19.50	0.30	331.88	0.30
20.00	0.28	331.88	0.28
20.50	0.27	331.87	0.27
21.00	0.26	331.87	0.26
21.50	0.24	331.87	0.24
22.00	0.23	331.86	0.23
22.50	0.22	331.86	0.22
23.00	0.21	331.85	0.21
23.50	0.20	331.85	0.20
24.00	0.19	331.84	0.19

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

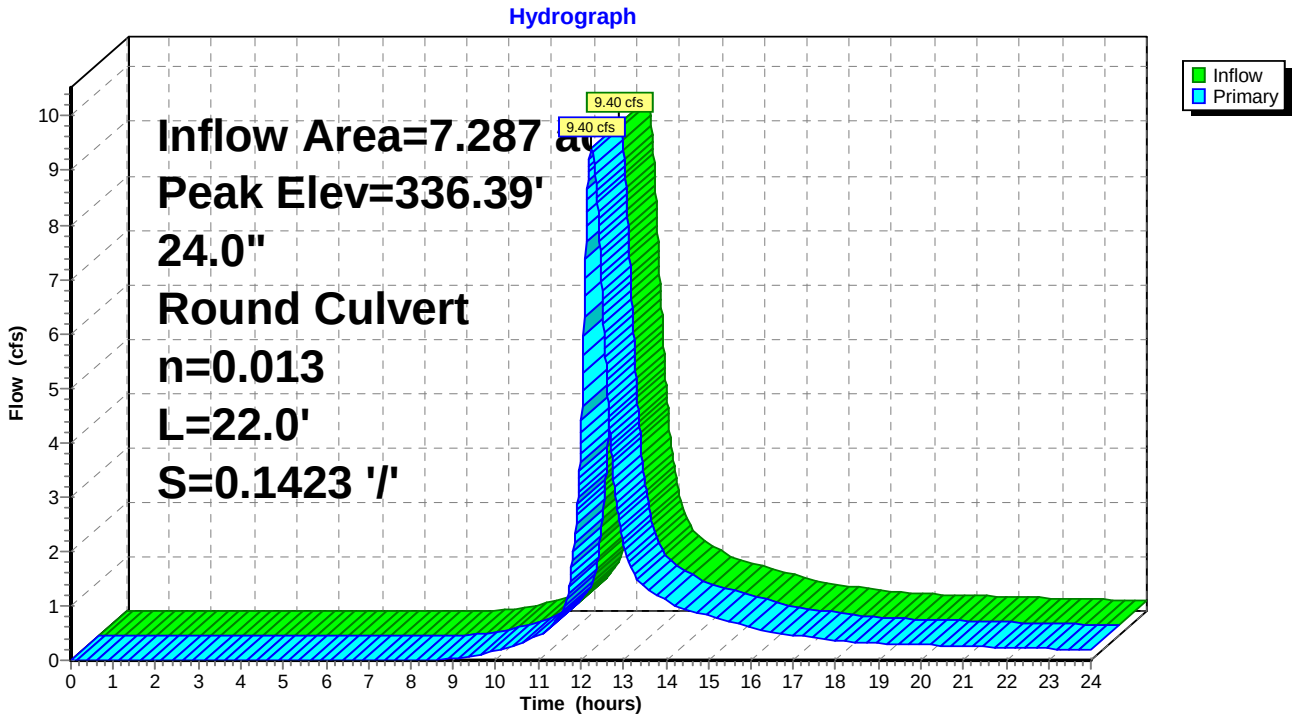
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.39' @ 12.26 hrs
Flood Elev= 339.50'

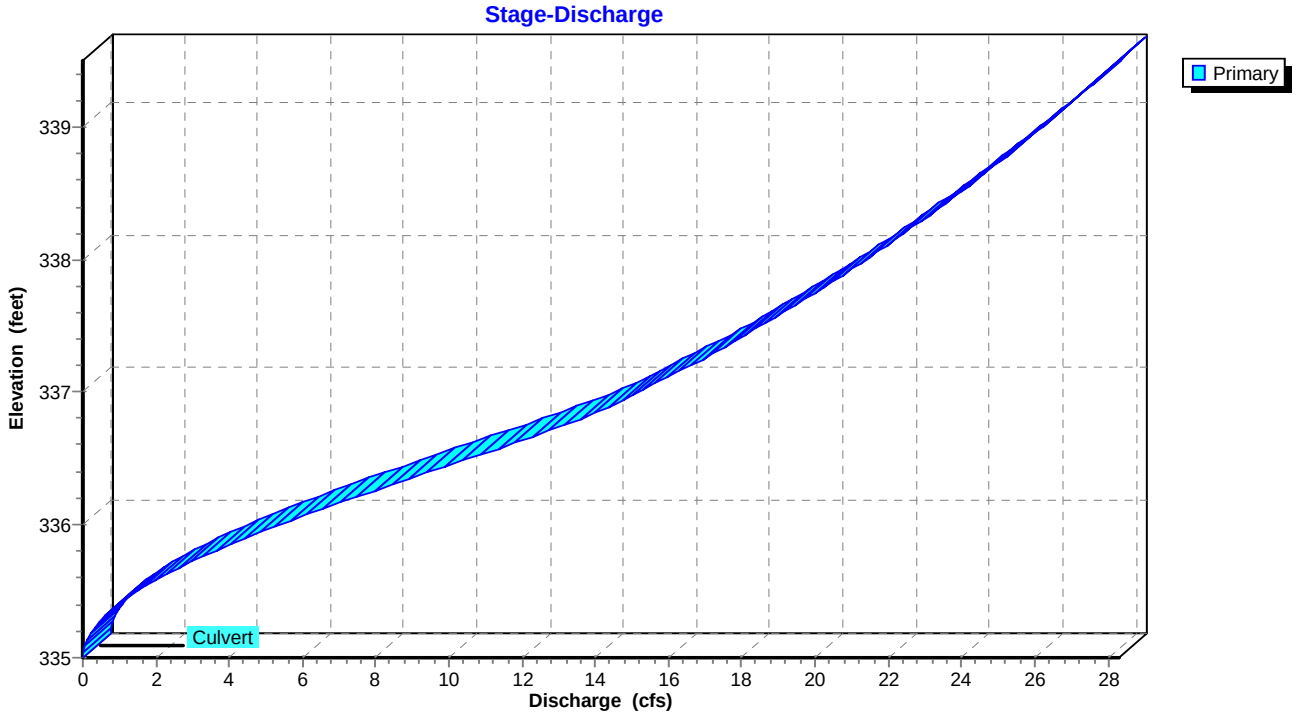
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=336.39' TW=332.93' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 9.40 cfs @ 4.02 fps)

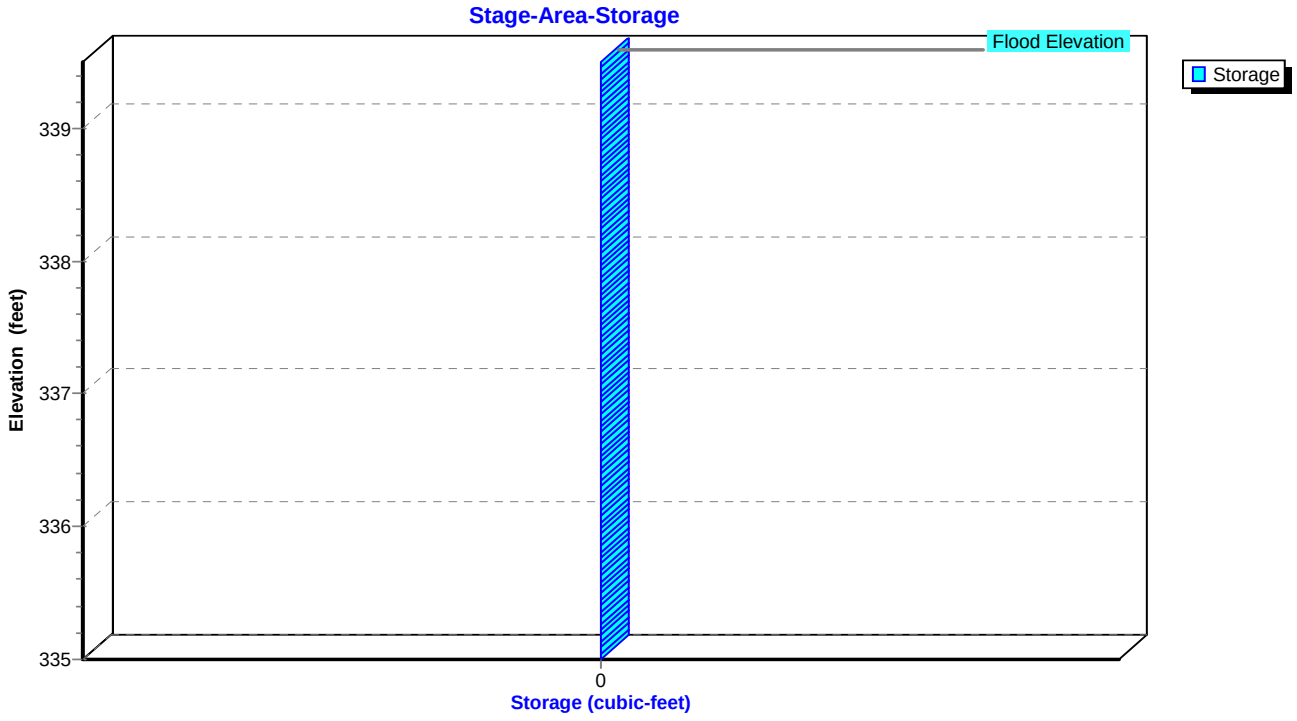
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.00	0.00
7.50	0.00	335.00	0.00
8.00	0.00	335.00	0.00
8.50	0.00	335.03	0.00
9.00	0.03	335.07	0.03
9.50	0.09	335.12	0.09
10.00	0.17	335.16	0.17
10.50	0.28	335.21	0.28
11.00	0.45	335.27	0.45
11.50	0.81	335.37	0.81
12.00	**3.98**	**335.85**	**3.98**
12.50	**6.79**	**336.15**	**6.79**
13.00	2.16	335.61	2.16
13.50	1.35	335.48	1.35
14.00	1.10	335.43	1.10
14.50	0.93	335.39	0.93
15.00	0.82	335.37	0.82
15.50	0.71	335.34	0.71
16.00	0.60	335.31	0.60
16.50	0.51	335.29	0.51
17.00	0.46	335.27	0.46
17.50	0.41	335.26	0.41
18.00	0.36	335.24	0.36
18.50	0.33	335.23	0.33
19.00	0.31	335.22	0.31
19.50	0.30	335.22	0.30
20.00	0.28	335.21	0.28
20.50	0.27	335.21	0.27
21.00	0.26	335.20	0.26
21.50	0.24	335.20	0.24
22.00	0.23	335.19	0.23
22.50	0.22	335.19	0.22
23.00	0.21	335.18	0.21
23.50	0.20	335.18	0.20
24.00	0.19	335.17	0.19

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

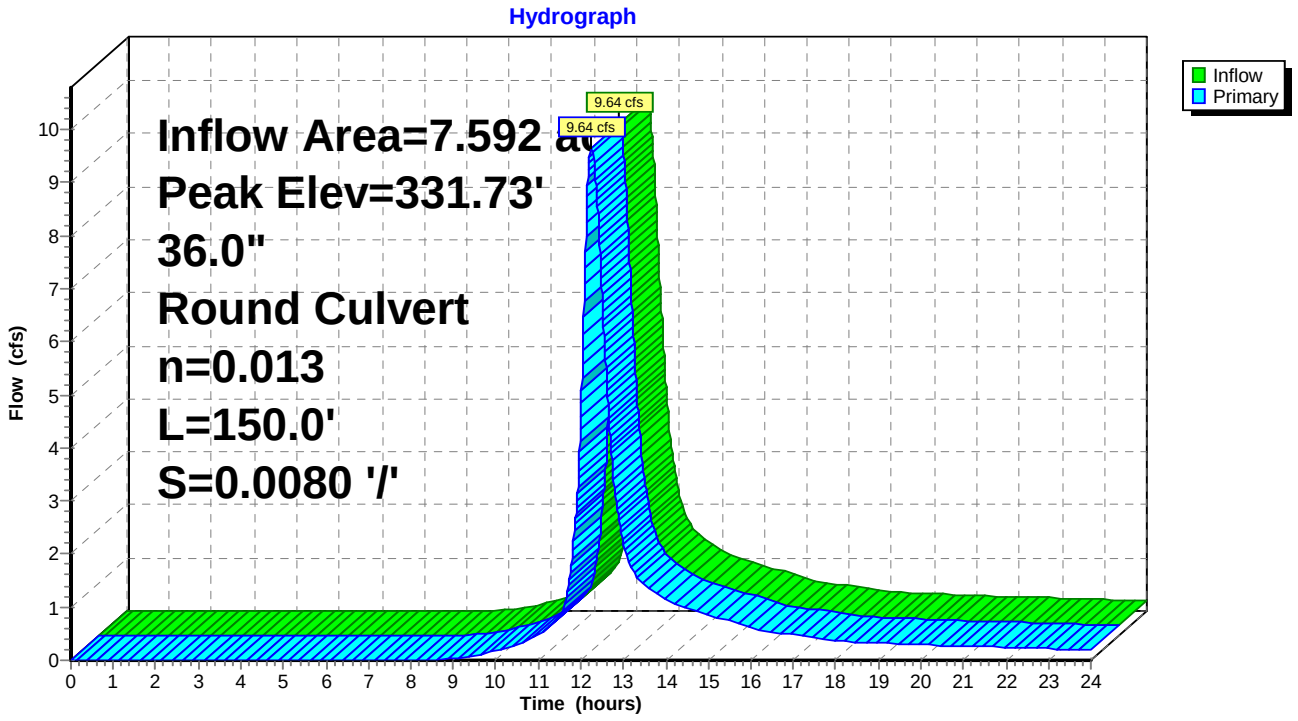
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af
Outflow = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af, Atten= 0%, Lag= 0.0 min
Primary = 9.64 cfs @ 12.25 hrs, Volume= 1.117 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.73' @ 12.25 hrs
Flood Elev= 335.00'

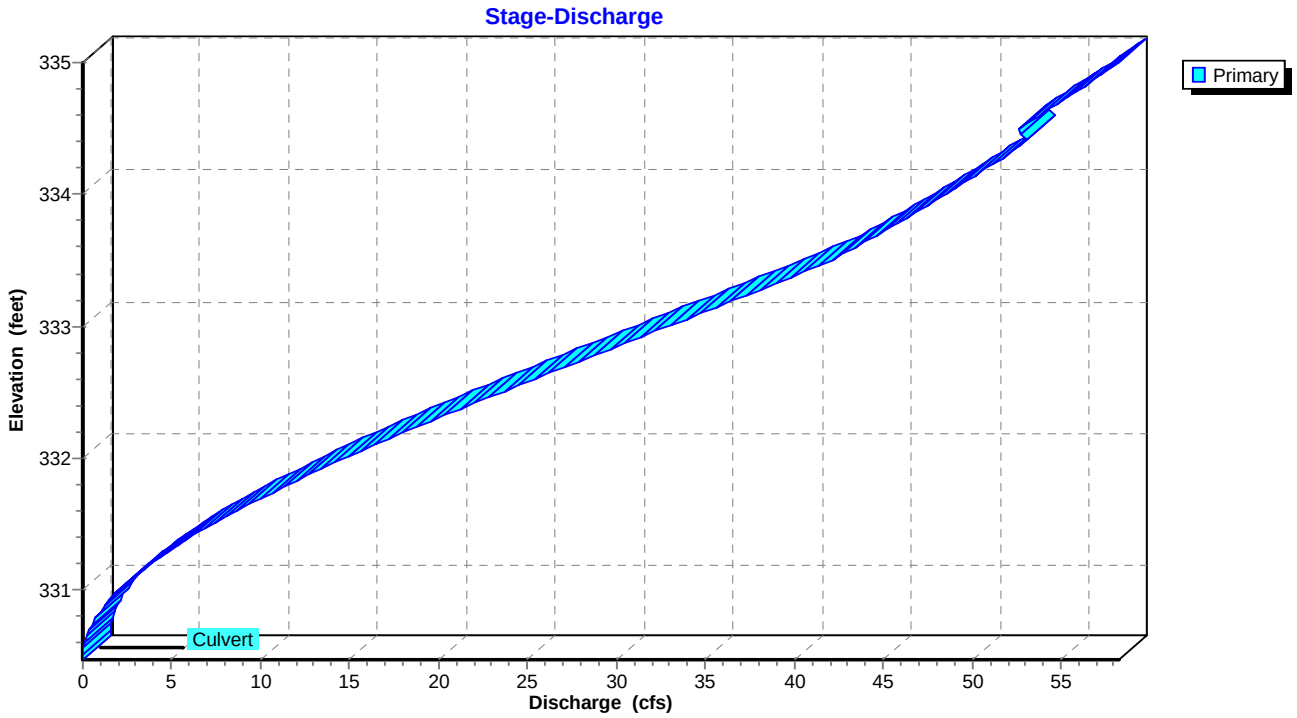
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.65 cfs @ 12.25 hrs HW=331.73' TW=330.45' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 9.65 cfs @ 5.06 fps)

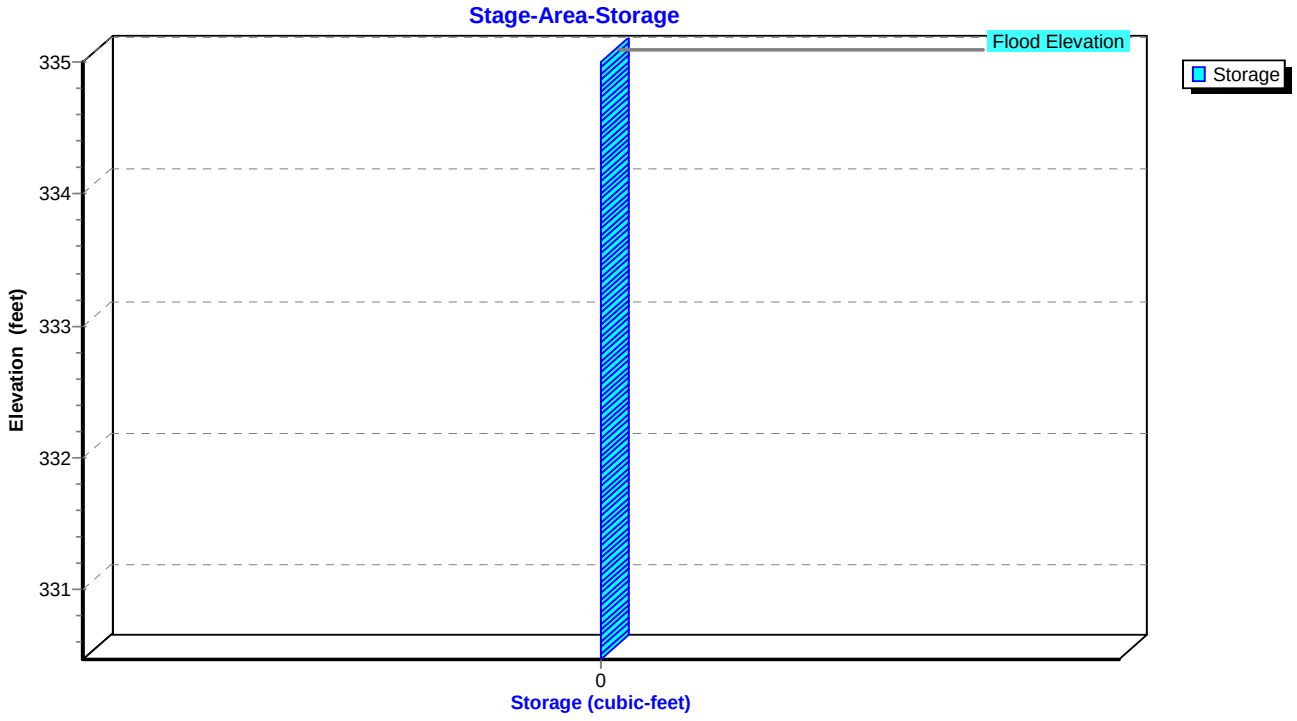
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.47	0.00
7.50	0.00	330.47	0.00
8.00	0.00	330.47	0.00
8.50	0.00	330.50	0.00
9.00	0.03	330.54	0.03
9.50	0.09	330.59	0.09
10.00	0.17	330.63	0.17
10.50	0.29	330.67	0.29
11.00	0.47	330.73	0.47
11.50	0.84	330.81	0.84
12.00	**4.59**	**331.28**	**4.59**
12.50	**6.89**	**331.50**	**6.89**
13.00	2.21	331.02	2.21
13.50	1.40	330.91	1.40
14.00	1.14	330.87	1.14
14.50	0.97	330.83	0.97
15.00	0.85	330.81	0.85
15.50	0.74	330.79	0.74
16.00	0.62	330.76	0.62
16.50	0.53	330.74	0.53
17.00	0.48	330.73	0.48
17.50	0.43	330.71	0.43
18.00	0.37	330.70	0.37
18.50	0.34	330.69	0.34
19.00	0.32	330.68	0.32
19.50	0.31	330.68	0.31
20.00	0.29	330.67	0.29
20.50	0.28	330.67	0.28
21.00	0.27	330.67	0.27
21.50	0.25	330.66	0.25
22.00	0.24	330.66	0.24
22.50	0.23	330.65	0.23
23.00	0.22	330.65	0.22
23.50	0.21	330.64	0.21
24.00	0.19	330.64	0.19

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

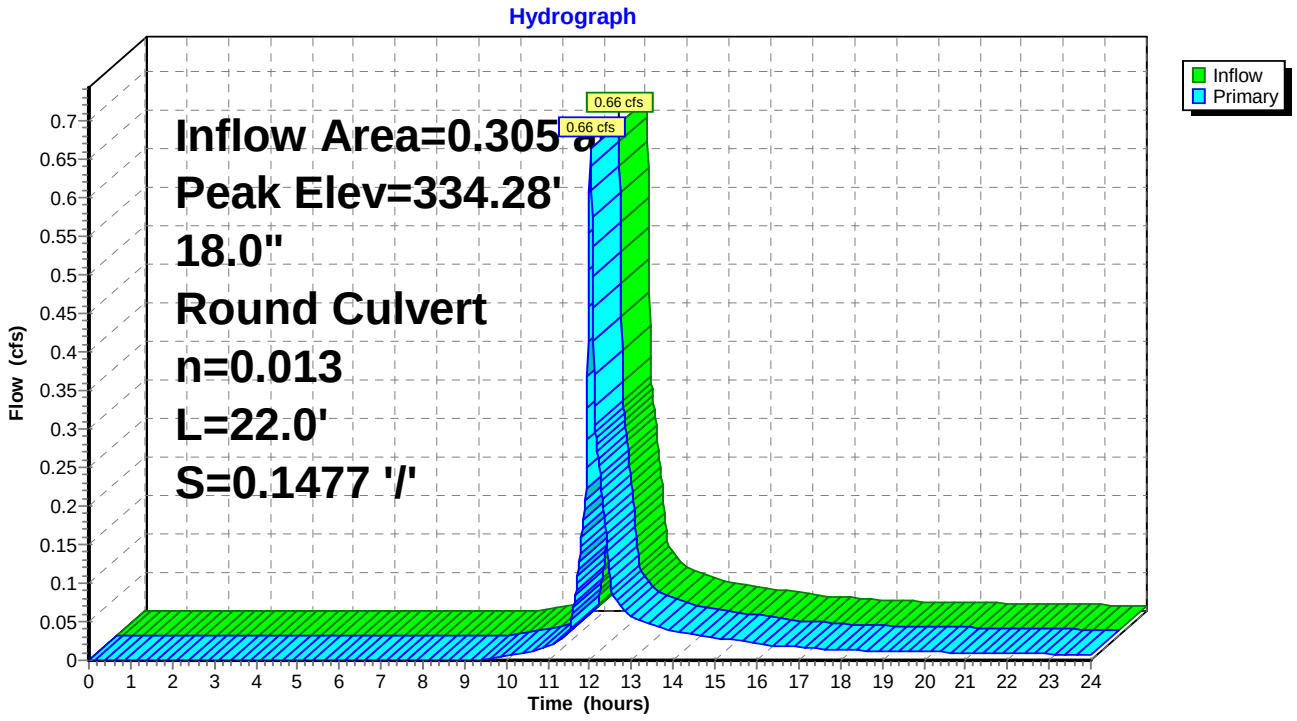
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.57" for 2-Year event
Inflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af
Outflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.28' @ 12.02 hrs
Flood Elev= 336.50'

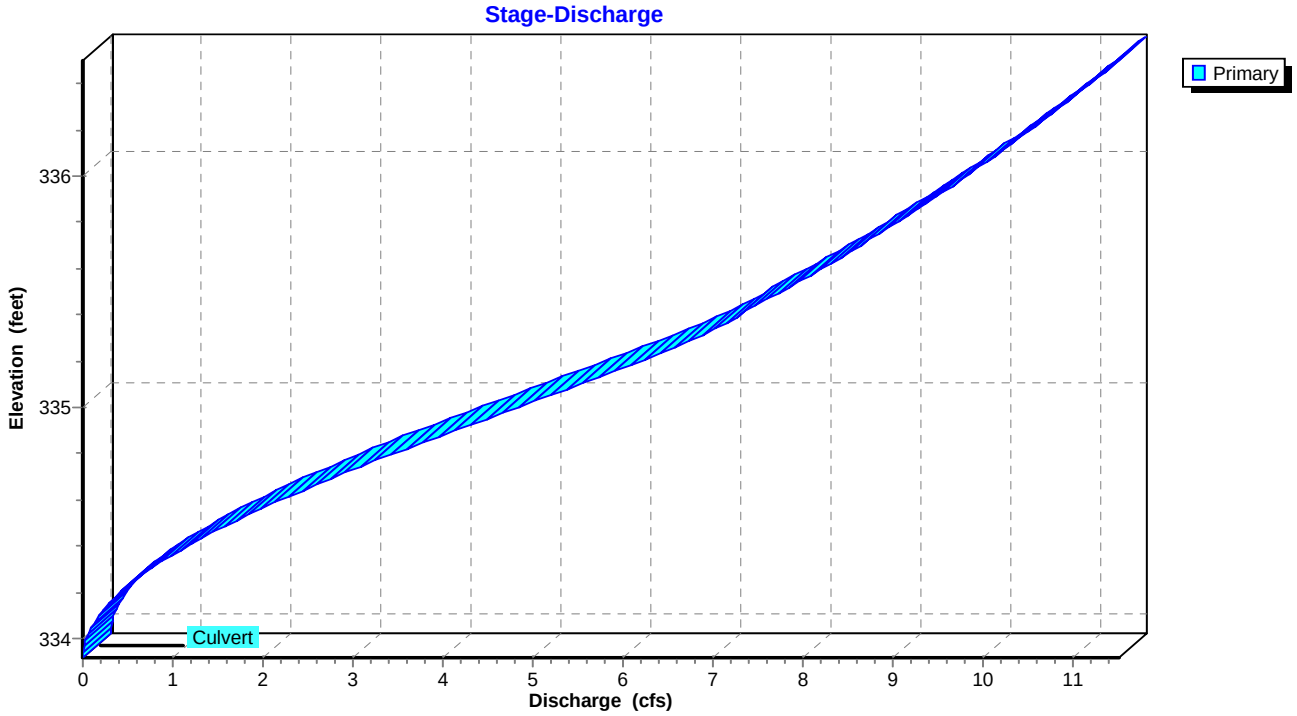
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=0.66 cfs @ 12.02 hrs HW=334.28' TW=331.32' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 0.66 cfs @ 2.04 fps)

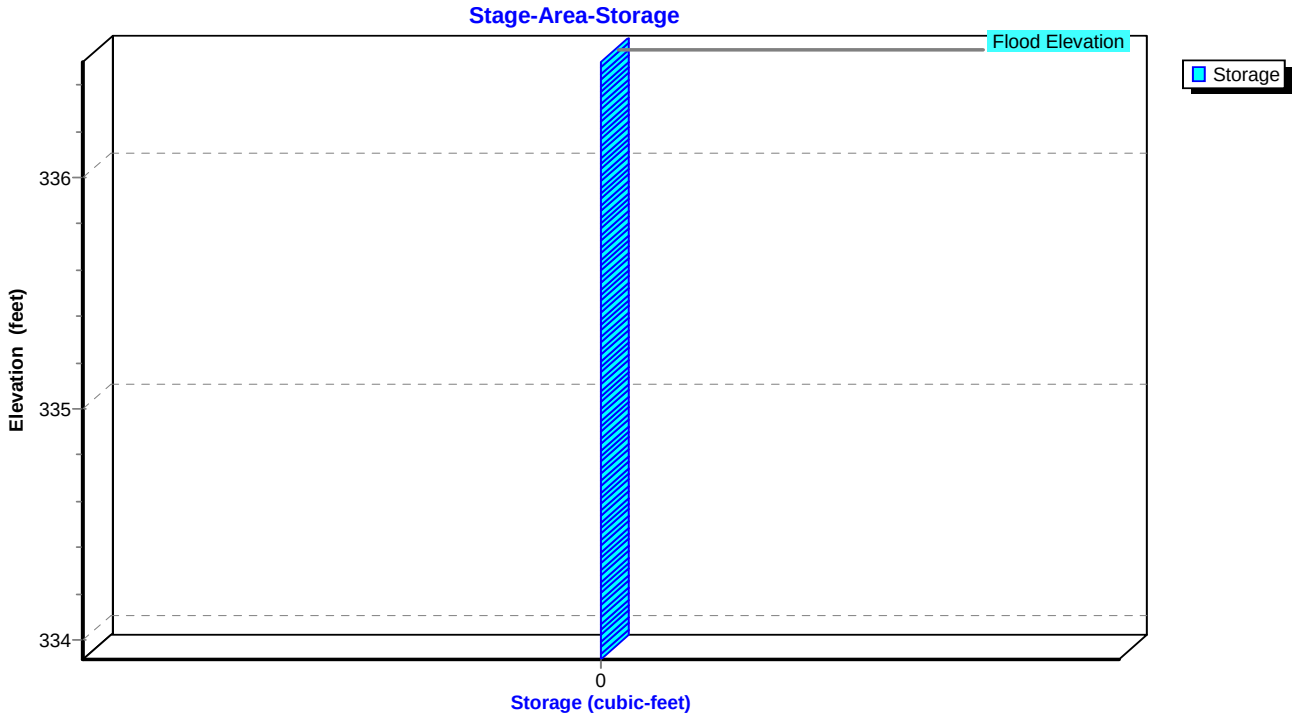
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.94	0.00
10.00	0.00	333.95	0.00
10.50	0.01	333.96	0.01
11.00	0.02	333.98	0.02
11.50	0.04	334.00	0.04
12.00	**0.61**	**334.26**	**0.61**
12.50	**0.09**	**334.05**	**0.09**
13.00	0.05	334.02	0.05
13.50	0.05	334.01	0.05
14.00	0.04	334.00	0.04
14.50	0.03	334.00	0.03
15.00	0.03	333.99	0.03
15.50	0.03	333.99	0.03
16.00	0.02	333.98	0.02
16.50	0.02	333.98	0.02
17.00	0.02	333.98	0.02
17.50	0.02	333.97	0.02
18.00	0.01	333.97	0.01
18.50	0.01	333.97	0.01
19.00	0.01	333.97	0.01
19.50	0.01	333.97	0.01
20.00	0.01	333.96	0.01
20.50	0.01	333.96	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.96	0.01
22.50	0.01	333.96	0.01
23.00	0.01	333.96	0.01
23.50	0.01	333.96	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

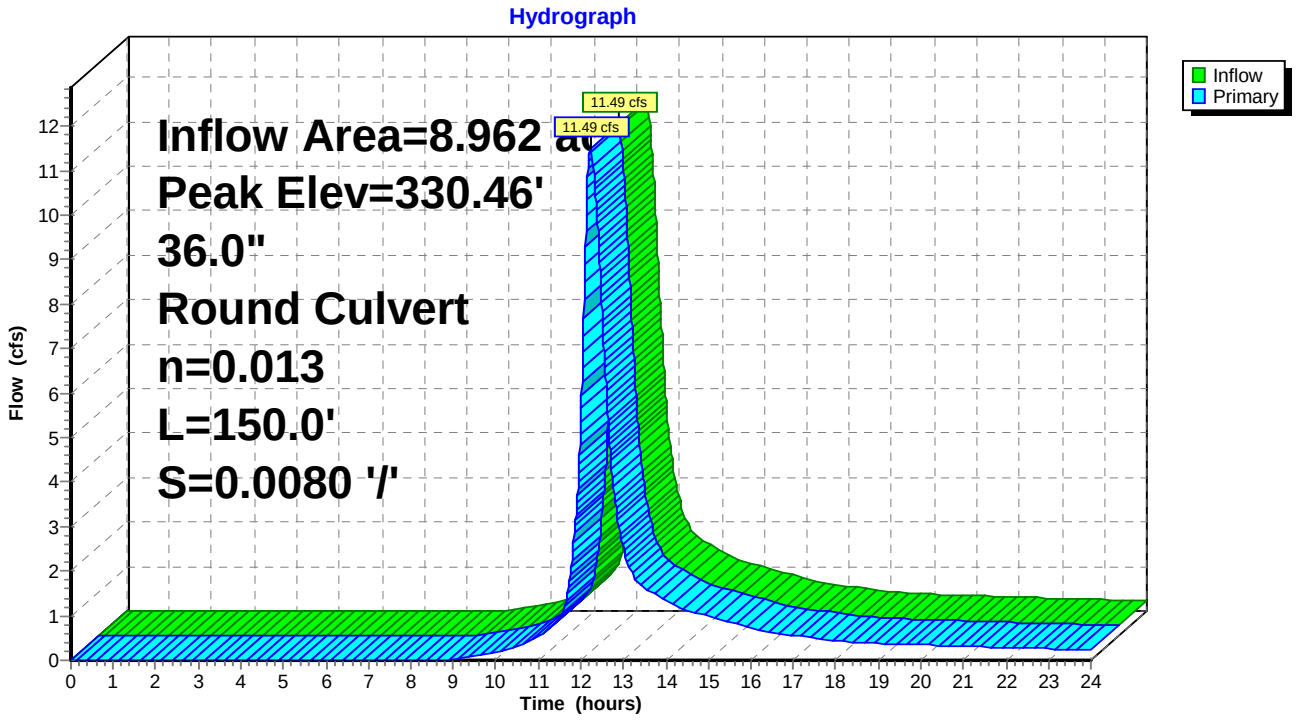
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.73" for 2-Year event
Inflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af
Outflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af, Atten= 0%, Lag= 0.0 min
Primary = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.46' @ 12.22 hrs
Flood Elev= 337.00'

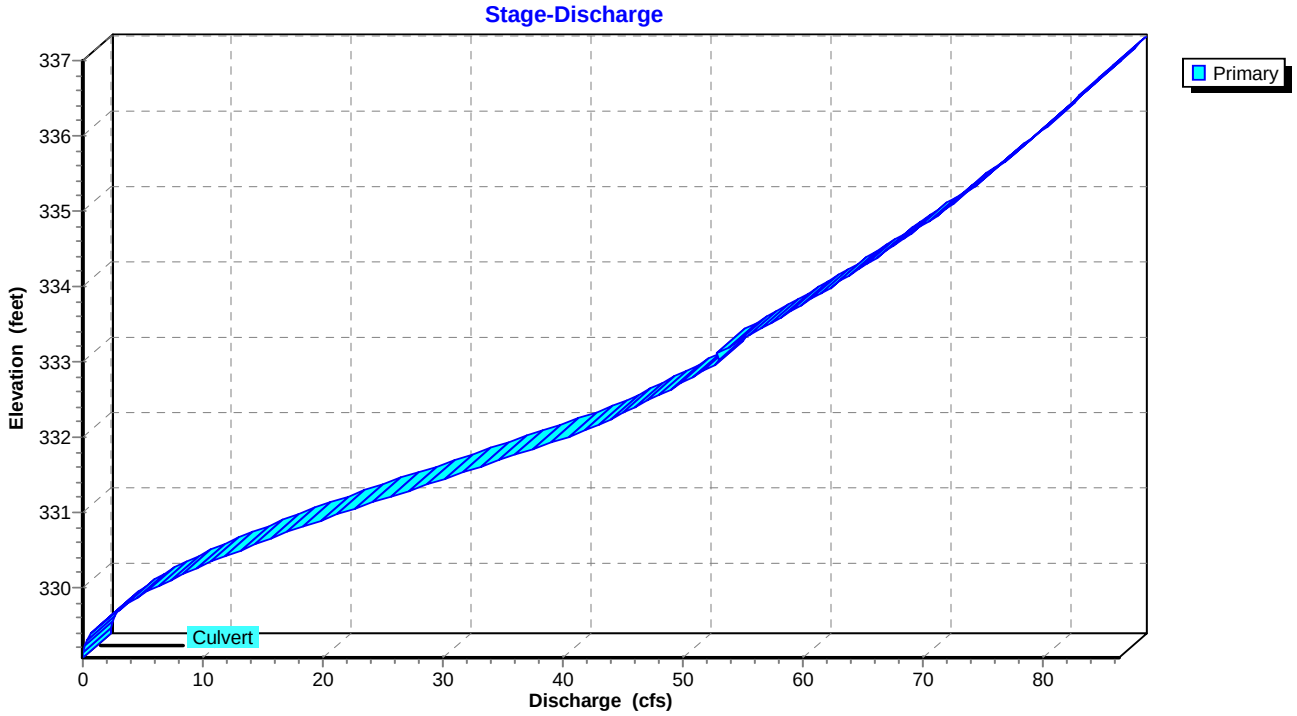
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=11.50 cfs @ 12.22 hrs HW=330.46' TW=329.13' (Dynamic Tailwater)
1=Culvert (Outlet Controls 11.50 cfs @ 5.29 fps)

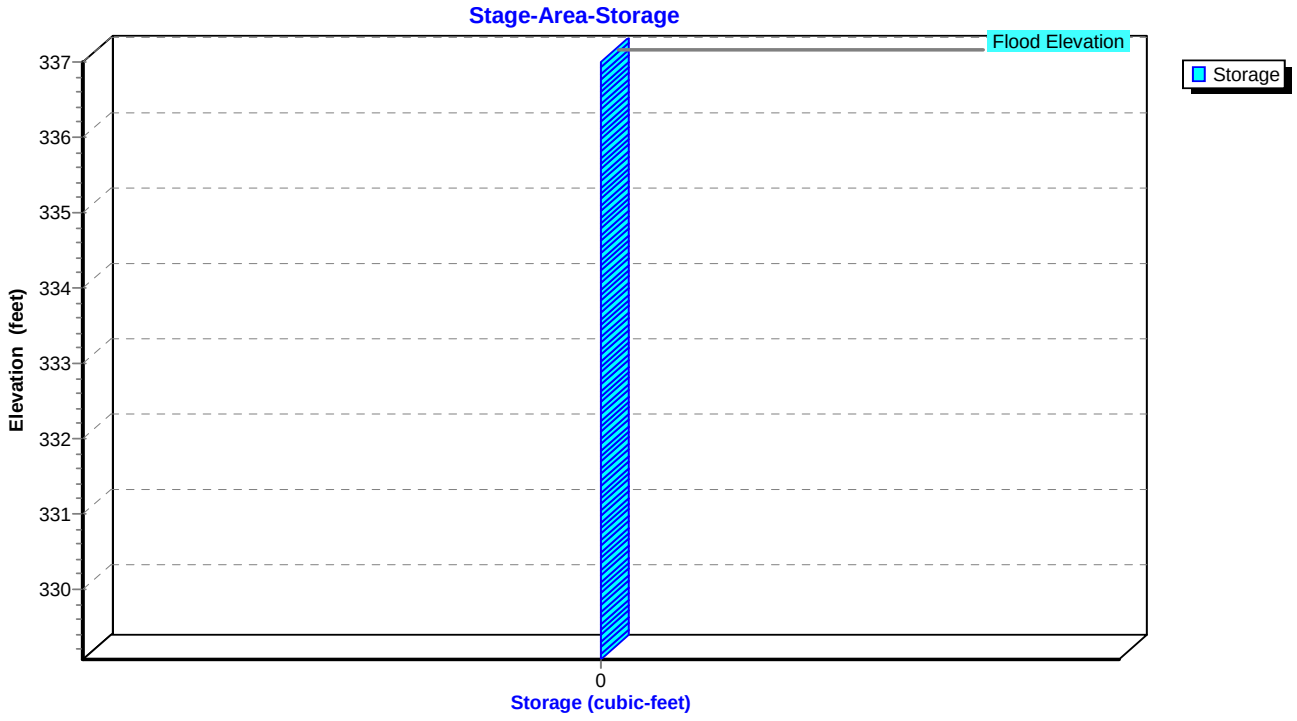
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.07	0.00
7.50	0.00	329.07	0.00
8.00	0.00	329.07	0.00
8.50	0.00	329.10	0.00
9.00	0.03	329.14	0.03
9.50	0.09	329.19	0.09
10.00	0.19	329.23	0.19
10.50	0.32	329.28	0.32
11.00	0.53	329.34	0.53
11.50	0.97	329.43	0.97
12.00	**5.37**	**329.95**	**5.37**
12.50	**7.83**	**330.17**	**7.83**
13.00	2.52	329.66	2.52
13.50	1.62	329.54	1.62
14.00	1.33	329.50	1.33
14.50	1.13	329.46	1.13
15.00	0.99	329.44	0.99
15.50	0.86	329.41	0.86
16.00	0.72	329.39	0.72
16.50	0.62	329.36	0.62
17.00	0.56	329.35	0.56
17.50	0.50	329.33	0.50
18.00	0.44	329.32	0.44
18.50	0.40	329.31	0.40
19.00	0.38	329.30	0.38
19.50	0.36	329.30	0.36
20.00	0.34	329.29	0.34
20.50	0.32	329.28	0.32
21.00	0.31	329.28	0.31
21.50	0.30	329.28	0.30
22.00	0.28	329.27	0.28
22.50	0.27	329.27	0.27
23.00	0.26	329.26	0.26
23.50	0.24	329.26	0.24
24.00	0.23	329.25	0.23

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

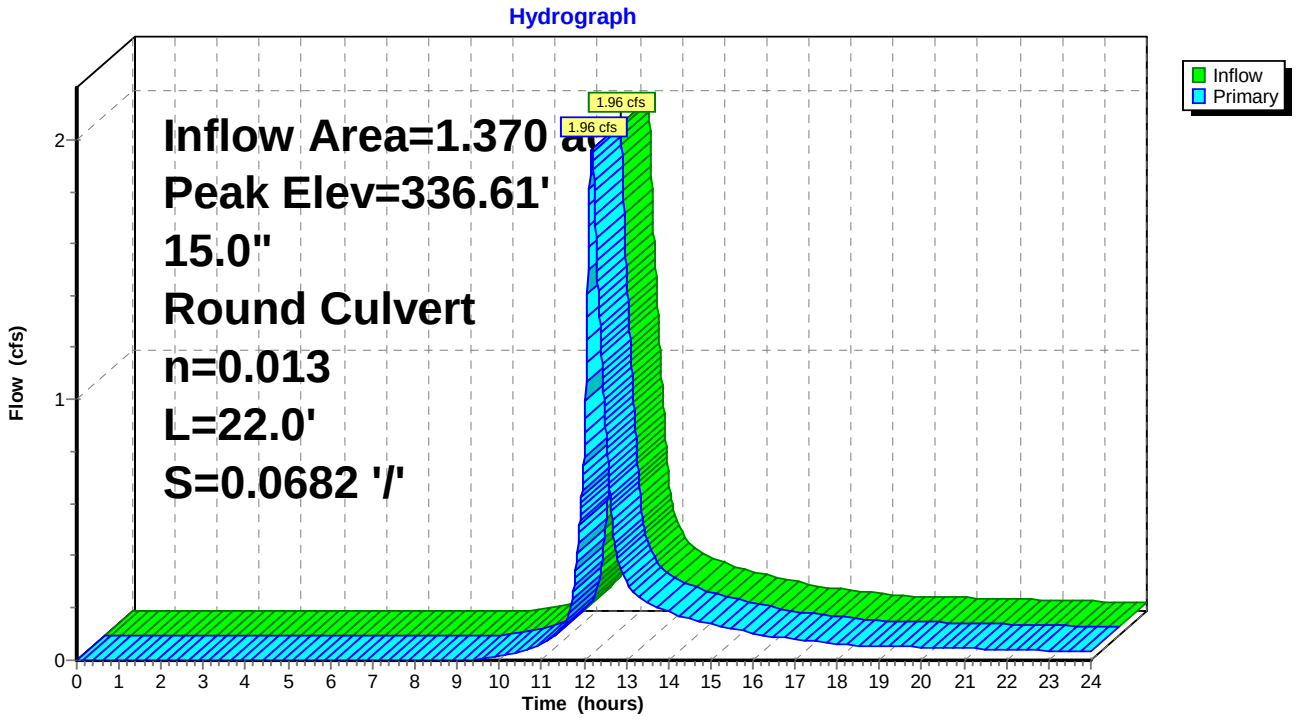
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af
Outflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.61' @ 12.19 hrs
Flood Elev= 338.50'

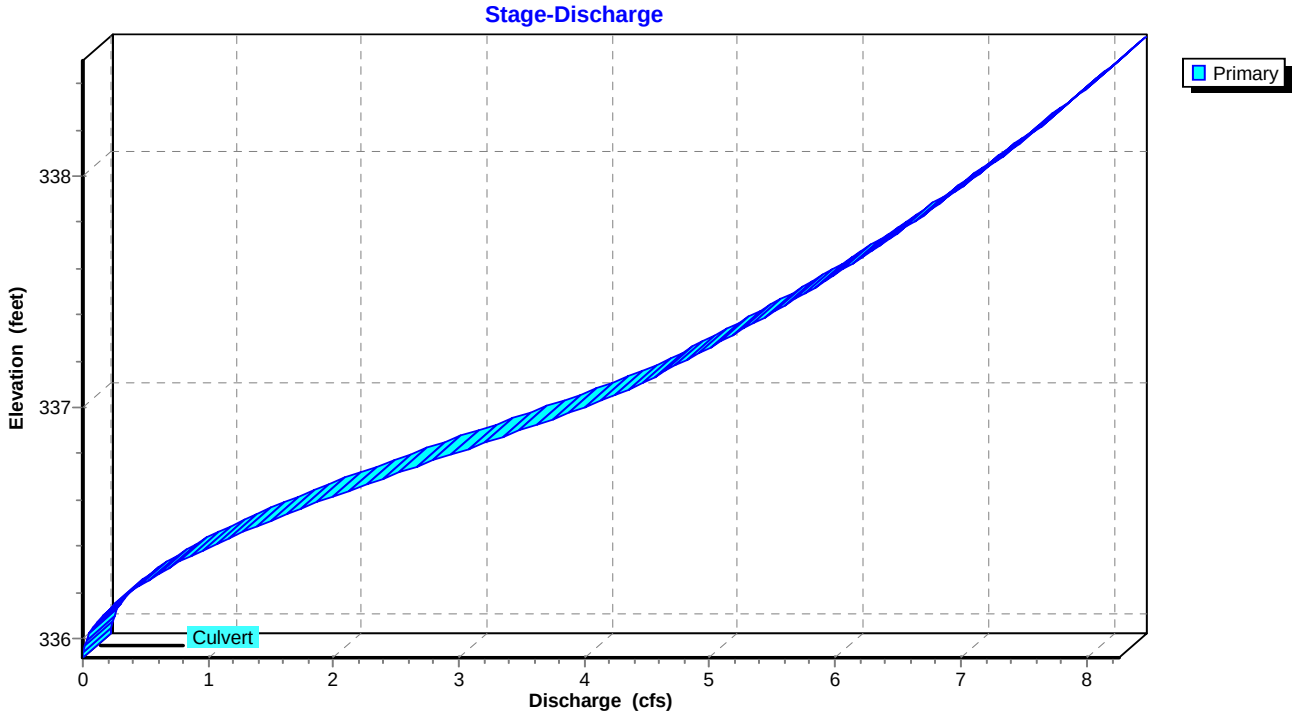
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.96 cfs @ 12.19 hrs HW=336.61' TW=330.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.96 cfs @ 2.83 fps)

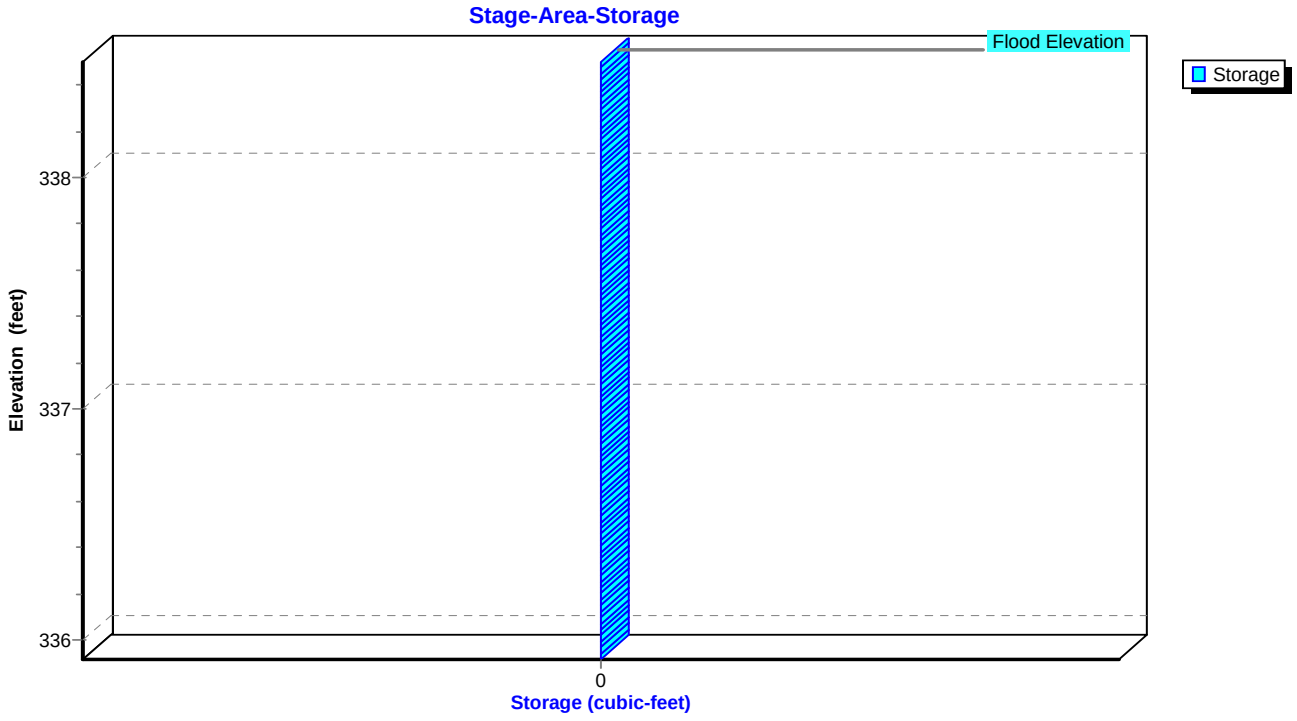
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.94	0.00
10.00	0.02	335.98	0.02
10.50	0.03	336.00	0.03
11.00	0.06	336.03	0.06
11.50	0.13	336.08	0.13
12.00	**0.78**	**336.34**	**0.78**
12.50	**0.95**	**336.38**	**0.95**
13.00	0.30	336.17	0.30
13.50	0.22	336.14	0.22
14.00	0.18	336.12	0.18
14.50	0.16	336.10	0.16
15.00	0.14	336.09	0.14
15.50	0.12	336.08	0.12
16.00	0.10	336.06	0.10
16.50	0.09	336.05	0.09
17.00	0.08	336.05	0.08
17.50	0.07	336.04	0.07
18.00	0.06	336.03	0.06
18.50	0.06	336.03	0.06
19.00	0.05	336.02	0.05
19.50	0.05	336.02	0.05
20.00	0.05	336.02	0.05
20.50	0.05	336.02	0.05
21.00	0.04	336.02	0.04
21.50	0.04	336.01	0.04
22.00	0.04	336.01	0.04
22.50	0.04	336.01	0.04
23.00	0.04	336.01	0.04
23.50	0.03	336.00	0.03
24.00	0.03	336.00	0.03

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

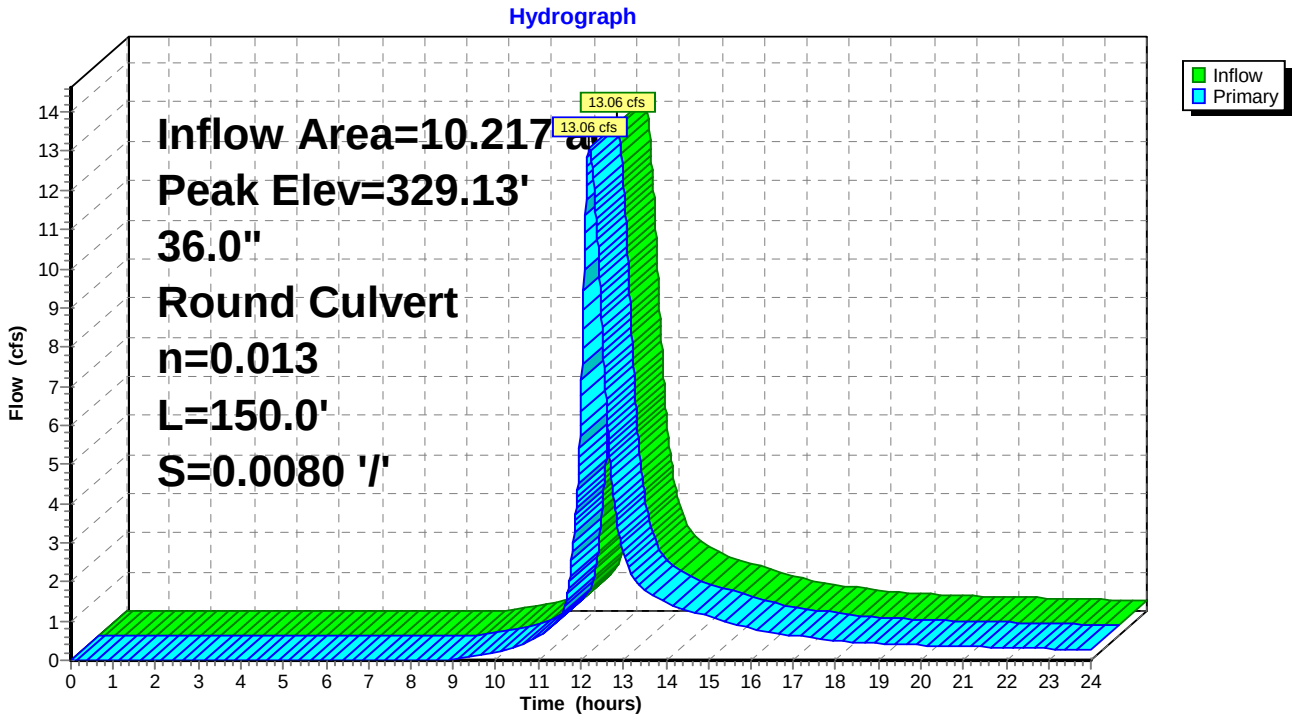
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af
Outflow = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af, Atten= 0%, Lag= 0.0 min
Primary = 13.06 cfs @ 12.20 hrs, Volume= 1.458 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.13' @ 12.20 hrs
Flood Elev= 335.75'

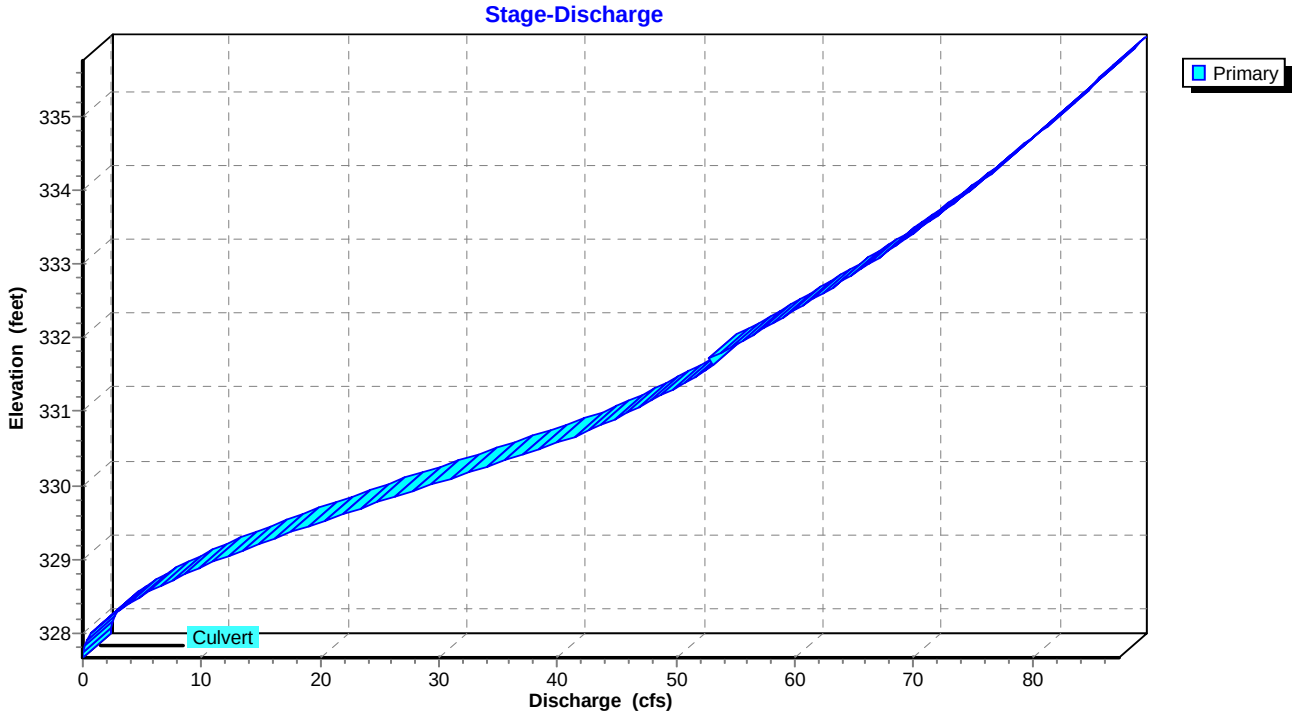
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.06 cfs @ 12.20 hrs HW=329.13' TW=327.70' (Dynamic Tailwater)
1=Culvert (Outlet Controls 13.06 cfs @ 5.58 fps)

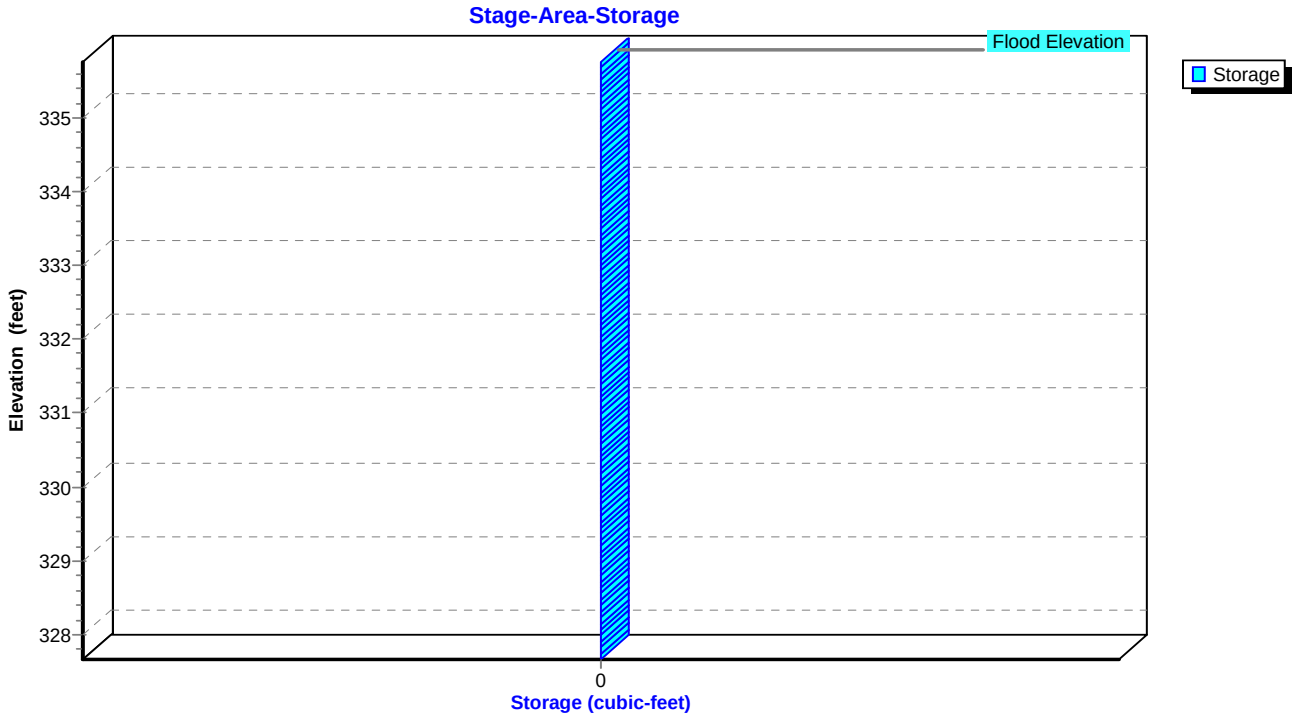
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.67	0.00
7.50	0.00	327.67	0.00
8.00	0.00	327.67	0.00
8.50	0.00	327.70	0.00
9.00	0.03	327.74	0.03
9.50	0.10	327.79	0.10
10.00	0.20	327.84	0.20
10.50	0.36	327.90	0.36
11.00	0.59	327.96	0.59
11.50	1.10	328.06	1.10
12.00	**6.36**	**328.64**	**6.36**
12.50	**8.50**	**328.81**	**8.50**
13.00	2.77	328.29	2.77
13.50	1.82	328.17	1.82
14.00	1.49	328.12	1.49
14.50	1.27	328.09	1.27
15.00	1.12	328.06	1.12
15.50	0.97	328.03	0.97
16.00	0.81	328.00	0.81
16.50	0.70	327.98	0.70
17.00	0.63	327.97	0.63
17.50	0.56	327.95	0.56
18.00	0.49	327.93	0.49
18.50	0.45	327.92	0.45
19.00	0.43	327.91	0.43
19.50	0.41	327.91	0.41
20.00	0.39	327.90	0.39
20.50	0.37	327.90	0.37
21.00	0.35	327.89	0.35
21.50	0.34	327.89	0.34
22.00	0.32	327.88	0.32
22.50	0.30	327.88	0.30
23.00	0.29	327.87	0.29
23.50	0.27	327.87	0.27
24.00	0.26	327.86	0.26

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

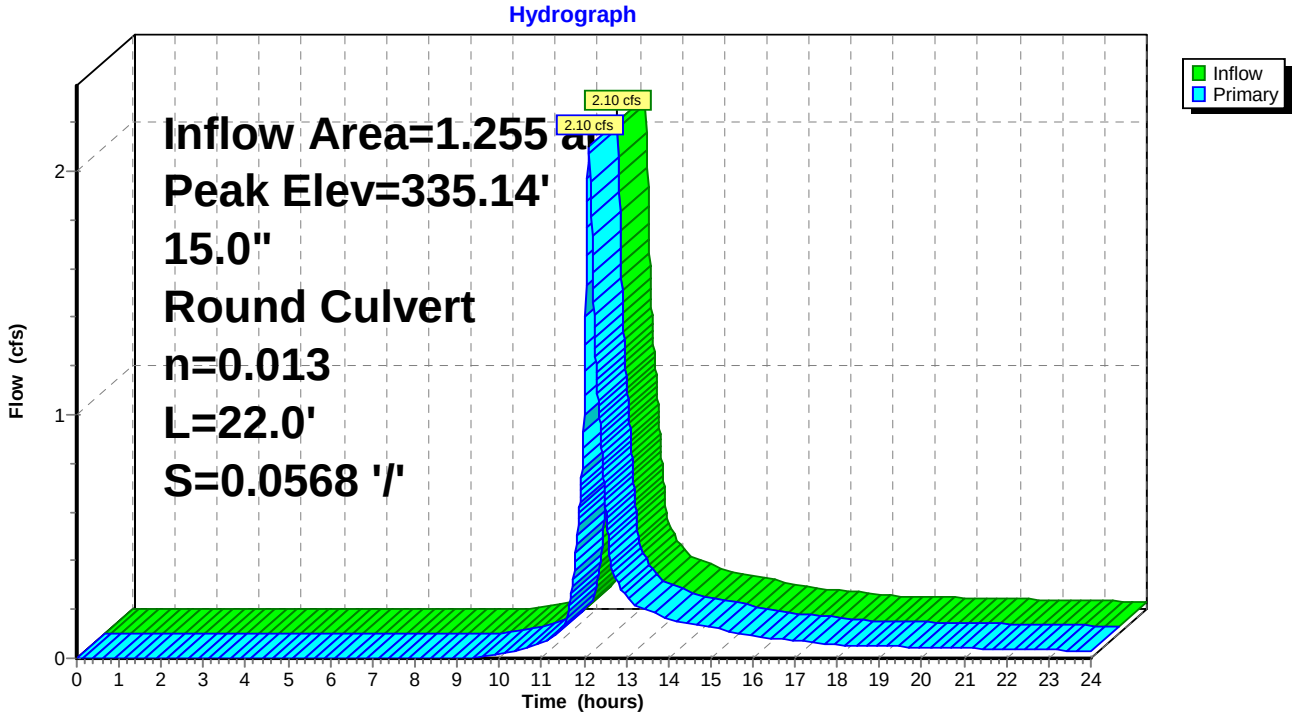
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af
Outflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.14' @ 12.12 hrs
Flood Elev= 337.00'

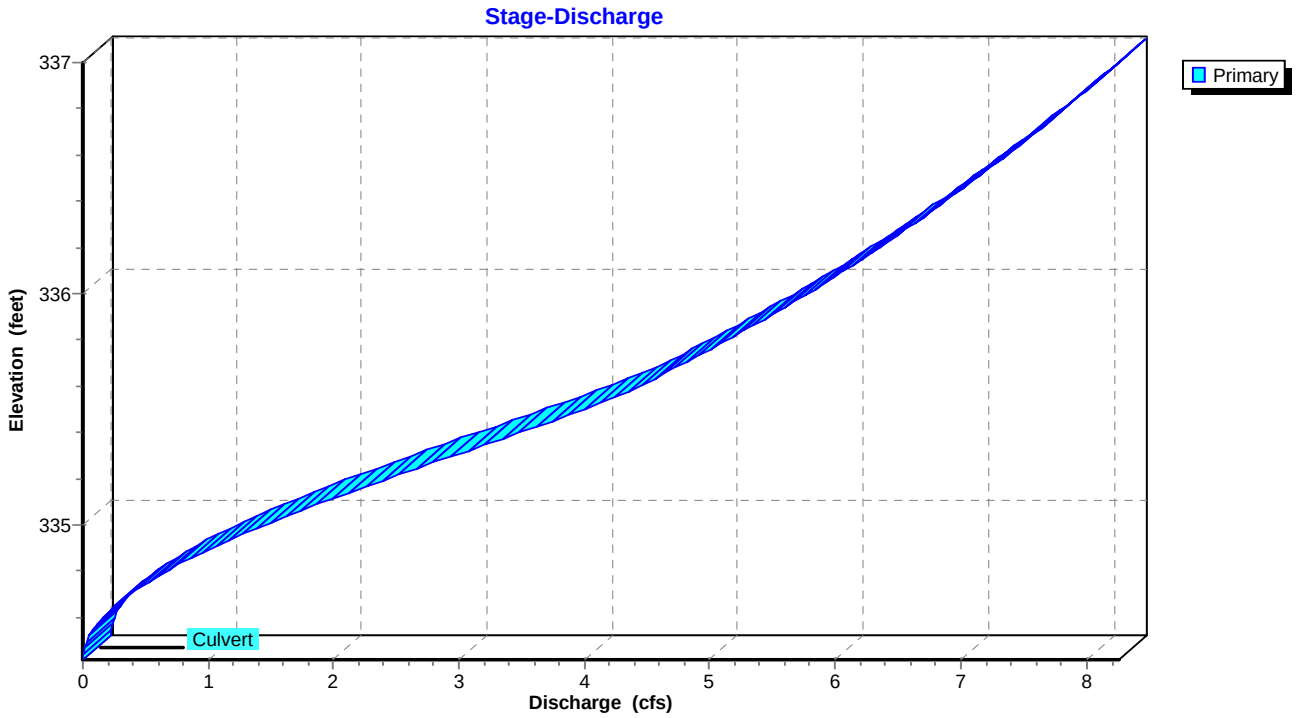
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.10 cfs @ 12.12 hrs HW=335.14' TW=329.05' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.10 cfs @ 2.88 fps)

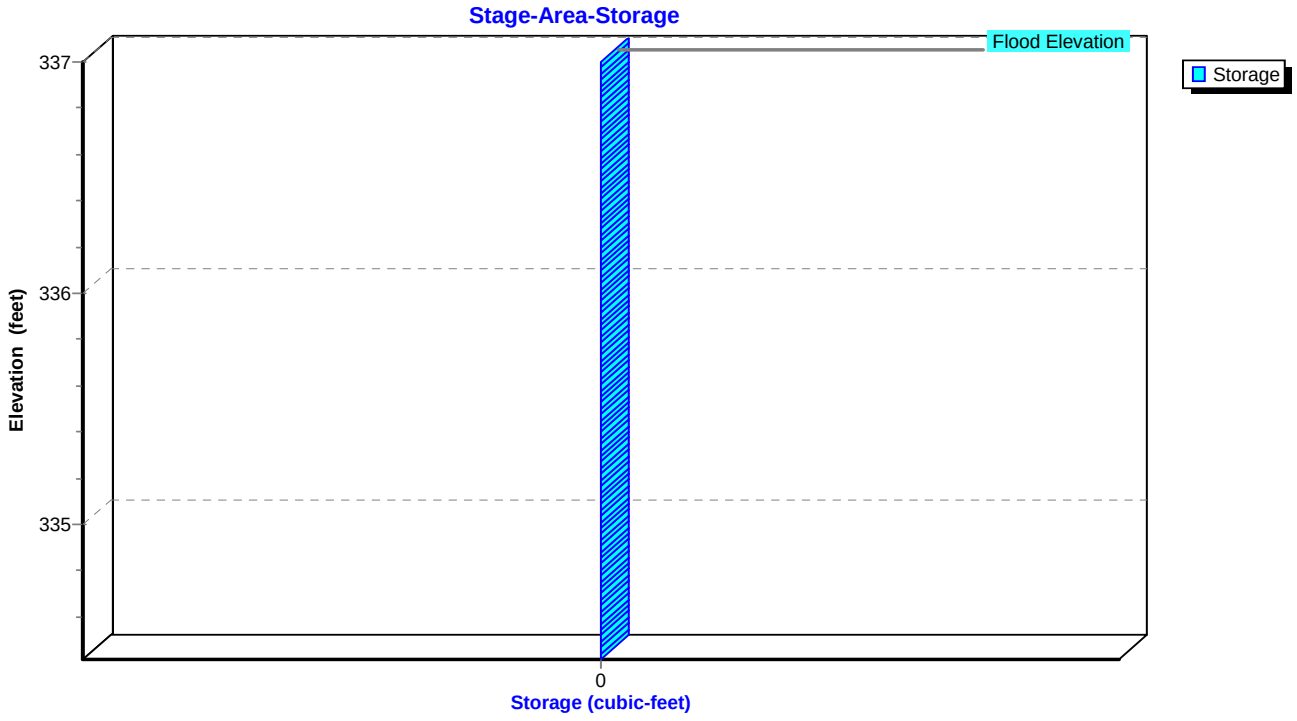
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.45	0.00
10.00	0.02	334.48	0.02
10.50	0.03	334.50	0.03
11.00	0.06	334.53	0.06
11.50	0.13	334.58	0.13
12.00	**1.00**	**334.89**	**1.00**
12.50	**0.67**	**334.80**	**0.67**
13.00	0.26	334.65	0.26
13.50	0.20	334.62	0.20
14.00	0.16	334.60	0.16
14.50	0.14	334.59	0.14
15.00	0.13	334.58	0.13
15.50	0.11	334.57	0.11
16.00	0.09	334.56	0.09
16.50	0.08	334.55	0.08
17.00	0.07	334.54	0.07
17.50	0.06	334.53	0.06
18.00	0.06	334.53	0.06
18.50	0.05	334.52	0.05
19.00	0.05	334.52	0.05
19.50	0.05	334.52	0.05
20.00	0.04	334.51	0.04
20.50	0.04	334.51	0.04
21.00	0.04	334.51	0.04
21.50	0.04	334.51	0.04
22.00	0.04	334.51	0.04
22.50	0.04	334.50	0.04
23.00	0.03	334.50	0.03
23.50	0.03	334.50	0.03
24.00	0.03	334.50	0.03

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

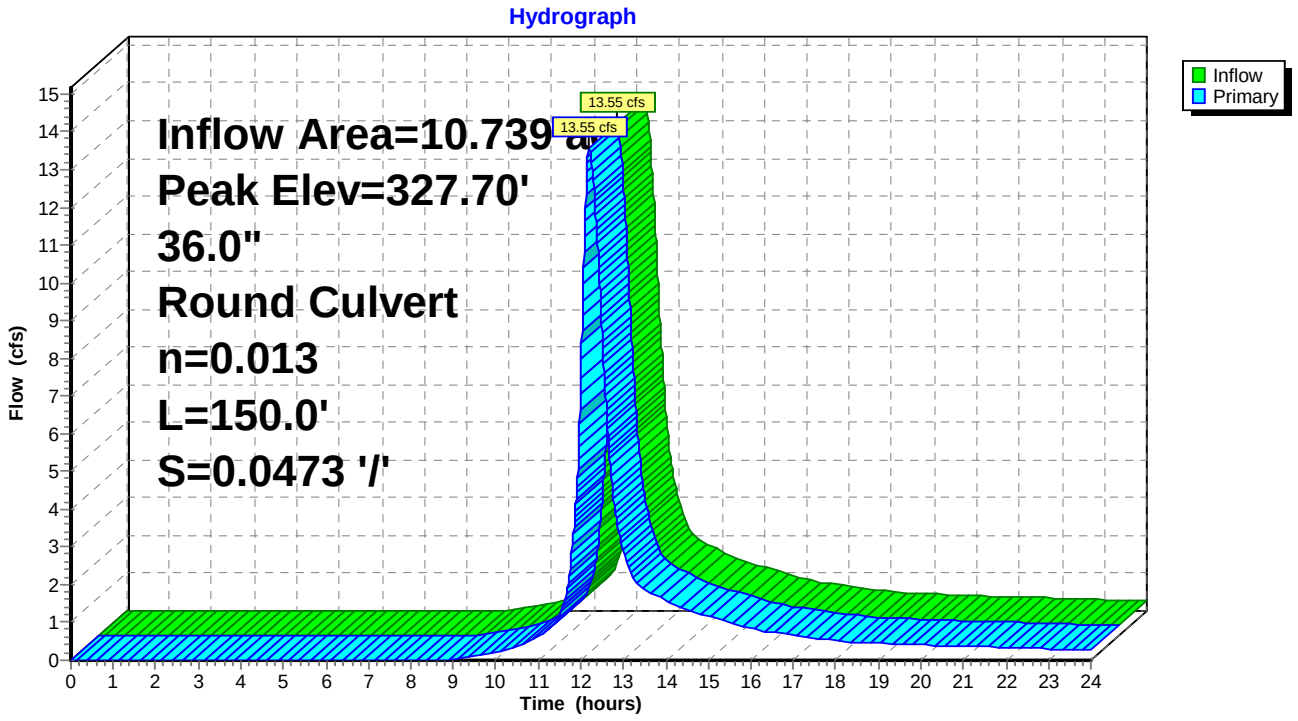
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af
Outflow = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af, Atten= 0%, Lag= 0.0 min
Primary = 13.55 cfs @ 12.19 hrs, Volume= 1.533 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 327.70' @ 12.19 hrs
Flood Elev= 332.25'

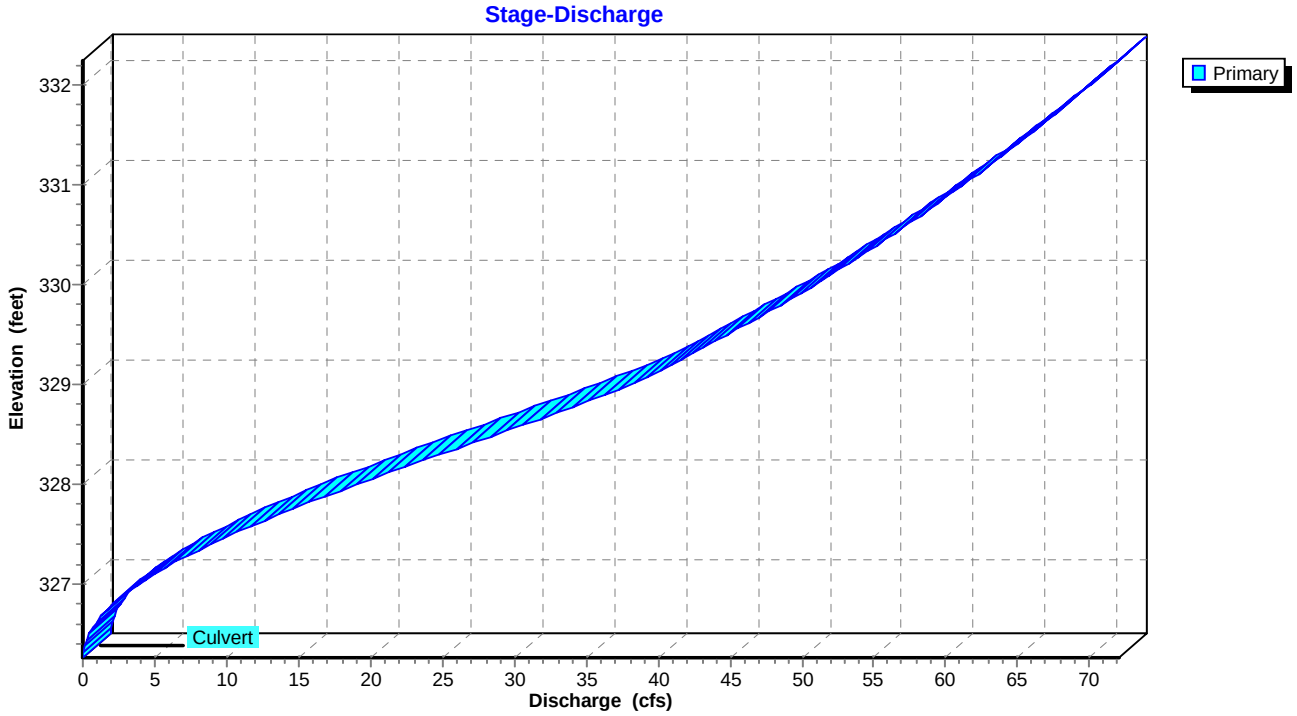
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.55 cfs @ 12.19 hrs HW=327.70' TW=320.46' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 13.55 cfs @ 4.07 fps)

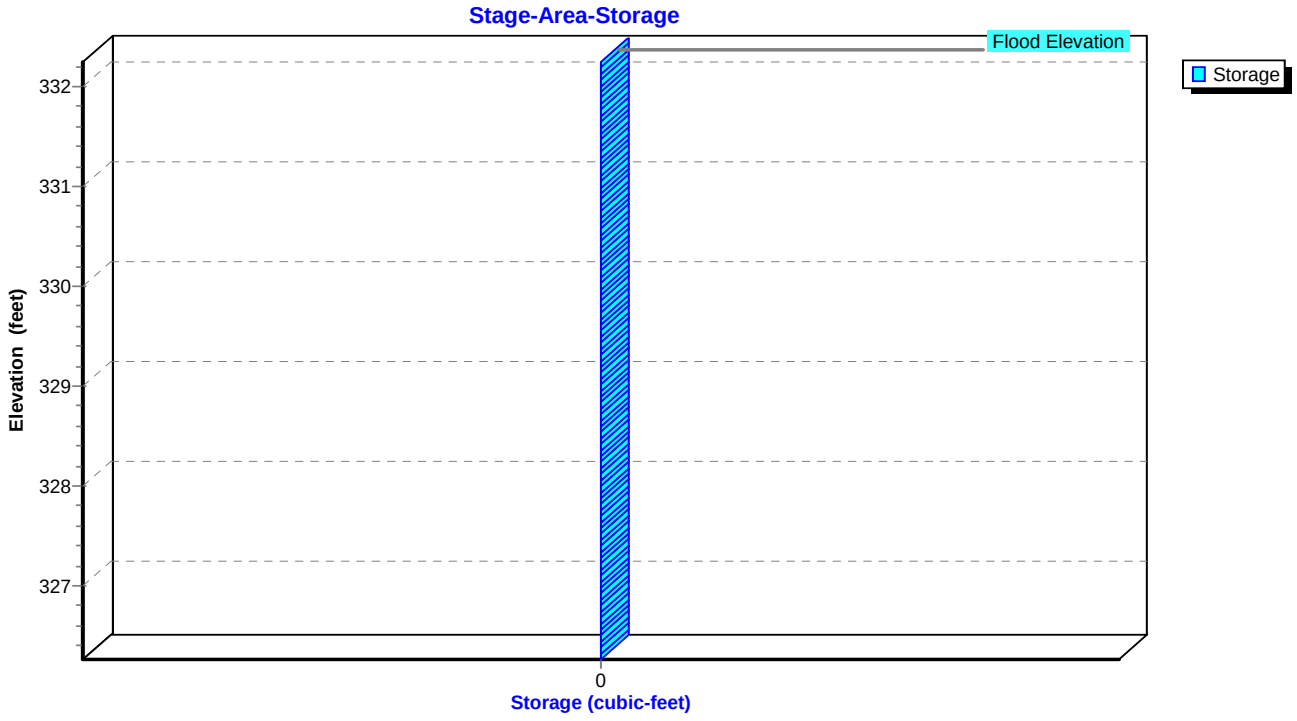
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.27	0.00
7.50	0.00	326.27	0.00
8.00	0.00	326.27	0.00
8.50	0.00	326.29	0.00
9.00	0.03	326.33	0.03
9.50	0.10	326.38	0.10
10.00	0.22	326.44	0.22
10.50	0.38	326.49	0.38
11.00	0.63	326.56	0.63
11.50	1.18	326.66	1.18
12.00	**7.49**	**327.31**	**7.49**
12.50	**8.68**	**327.39**	**8.68**
13.00	2.87	326.90	2.87
13.50	1.90	326.78	1.90
14.00	1.56	326.73	1.56
14.50	1.33	326.69	1.33
15.00	1.17	326.66	1.17
15.50	1.01	326.64	1.01
16.00	0.85	326.60	0.85
16.50	0.73	326.58	0.73
17.00	0.66	326.56	0.66
17.50	0.59	326.55	0.59
18.00	0.52	326.53	0.52
18.50	0.47	326.52	0.47
19.00	0.45	326.51	0.45
19.50	0.43	326.51	0.43
20.00	0.40	326.50	0.40
20.50	0.39	326.49	0.39
21.00	0.37	326.49	0.37
21.50	0.35	326.48	0.35
22.00	0.34	326.48	0.34
22.50	0.32	326.47	0.32
23.00	0.30	326.47	0.30
23.50	0.29	326.46	0.29
24.00	0.27	326.46	0.27

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

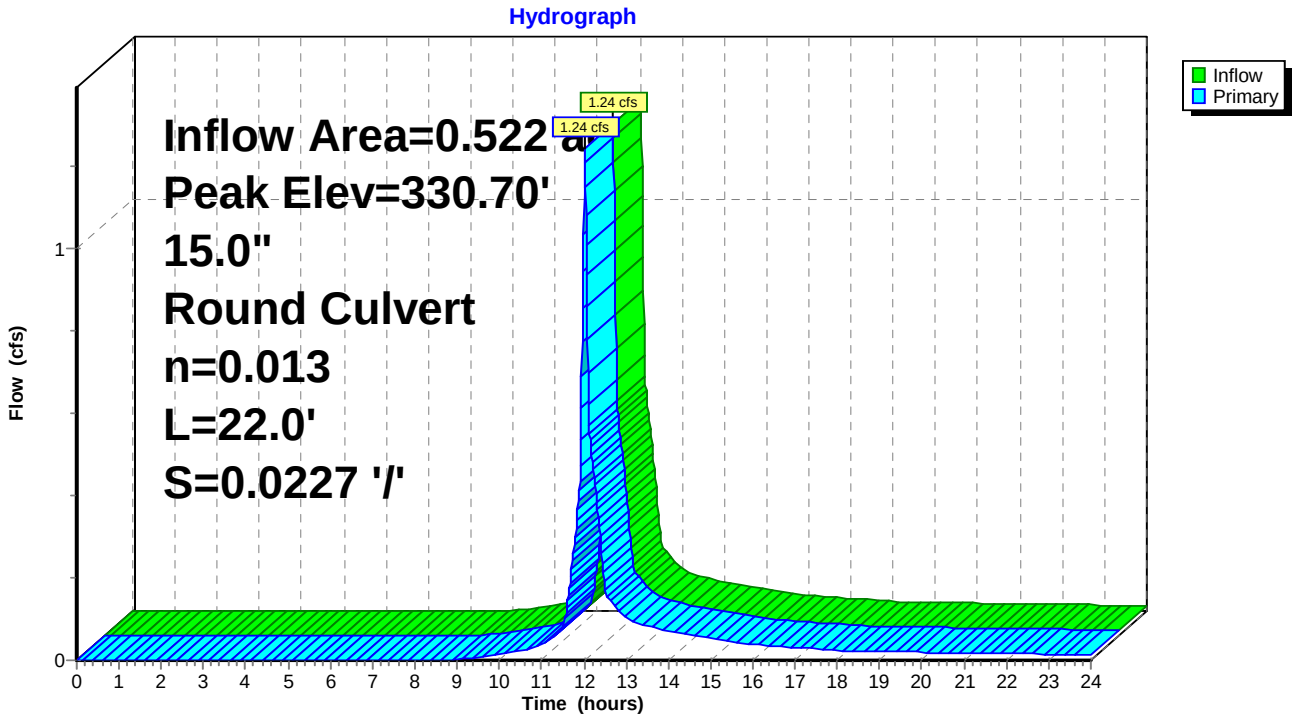
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af
Outflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.70' @ 12.02 hrs
Flood Elev= 332.80'

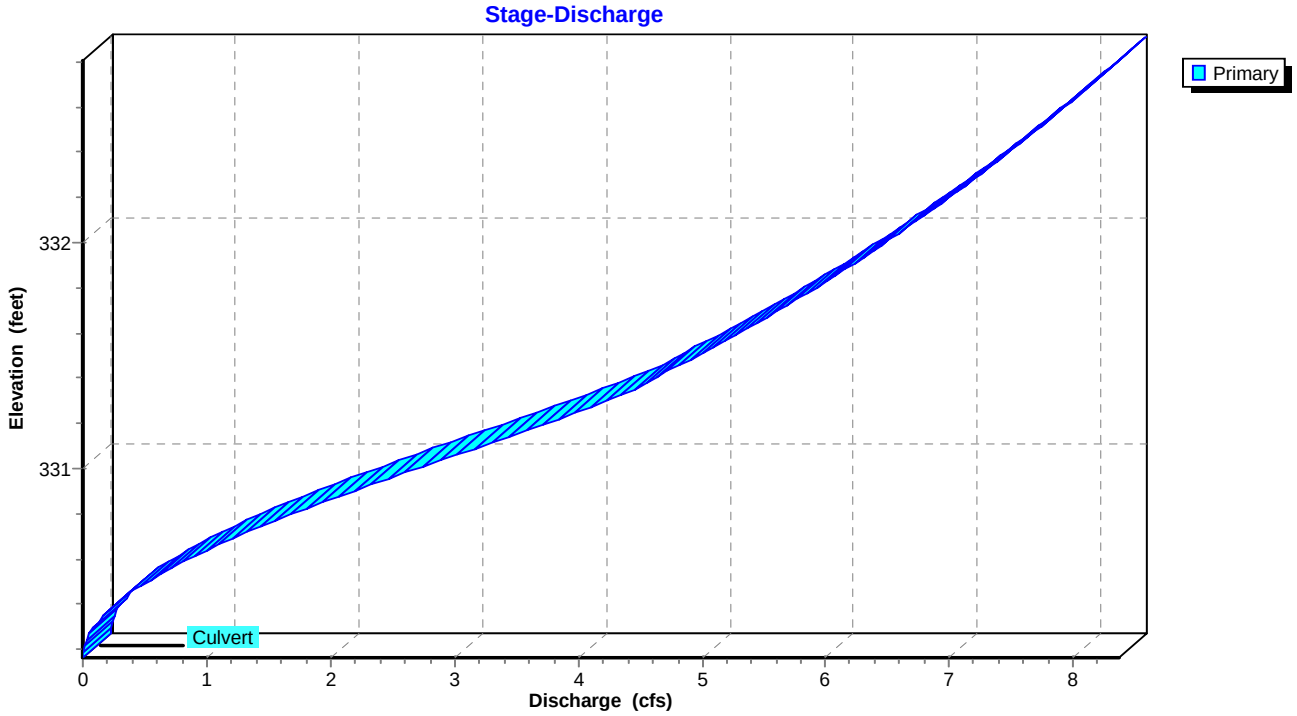
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.24 cfs @ 12.02 hrs HW=330.70' TW=327.37' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.24 cfs @ 2.49 fps)

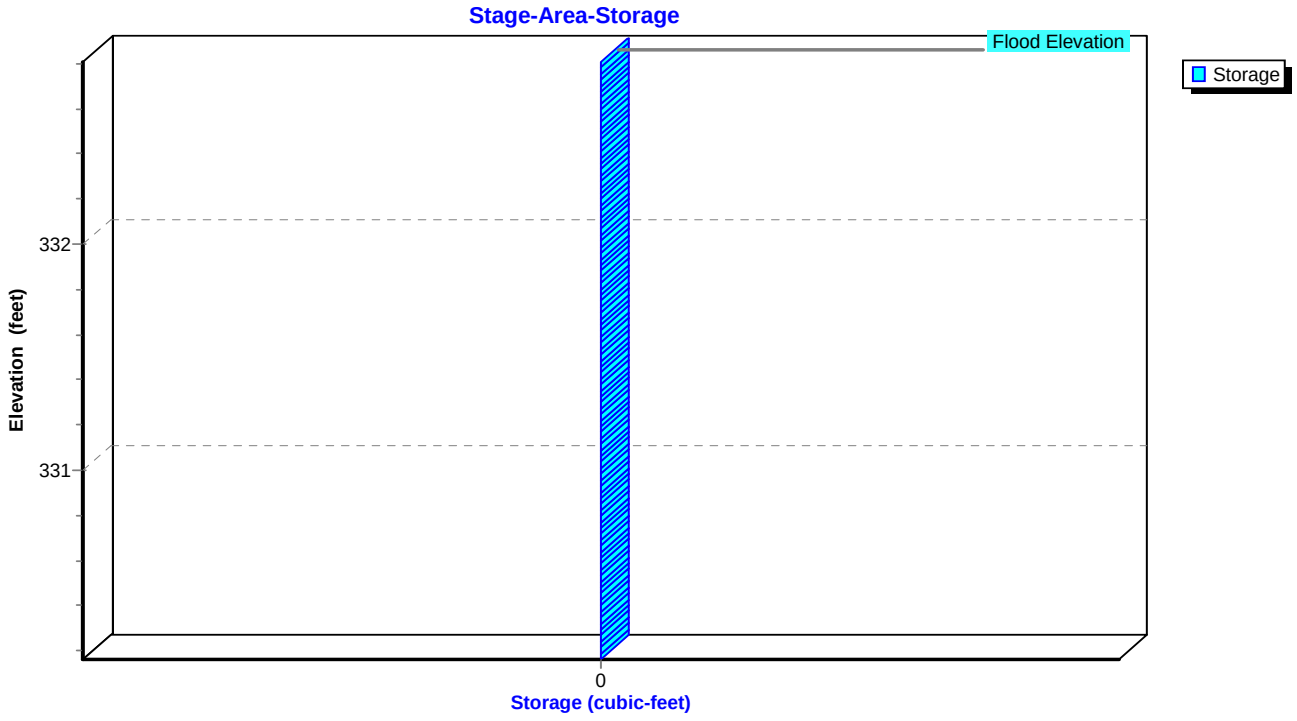
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.19	0.00
9.50	0.01	330.21	0.01
10.00	0.01	330.22	0.01
10.50	0.02	330.24	0.02
11.00	0.04	330.26	0.04
11.50	0.08	330.29	0.08
12.00	**1.13**	**330.68**	**1.13**
12.50	**0.17**	**330.36**	**0.17**
13.00	0.10	330.31	0.10
13.50	0.08	330.30	0.08
14.00	0.07	330.29	0.07
14.50	0.06	330.28	0.06
15.00	0.05	330.27	0.05
15.50	0.05	330.27	0.05
16.00	0.04	330.26	0.04
16.50	0.03	330.25	0.03
17.00	0.03	330.25	0.03
17.50	0.03	330.24	0.03
18.00	0.02	330.24	0.02
18.50	0.02	330.24	0.02
19.00	0.02	330.24	0.02
19.50	0.02	330.23	0.02
20.00	0.02	330.23	0.02
20.50	0.02	330.23	0.02
21.00	0.02	330.23	0.02
21.50	0.02	330.23	0.02
22.00	0.02	330.23	0.02
22.50	0.02	330.23	0.02
23.00	0.01	330.22	0.01
23.50	0.01	330.22	0.01
24.00	0.01	330.22	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

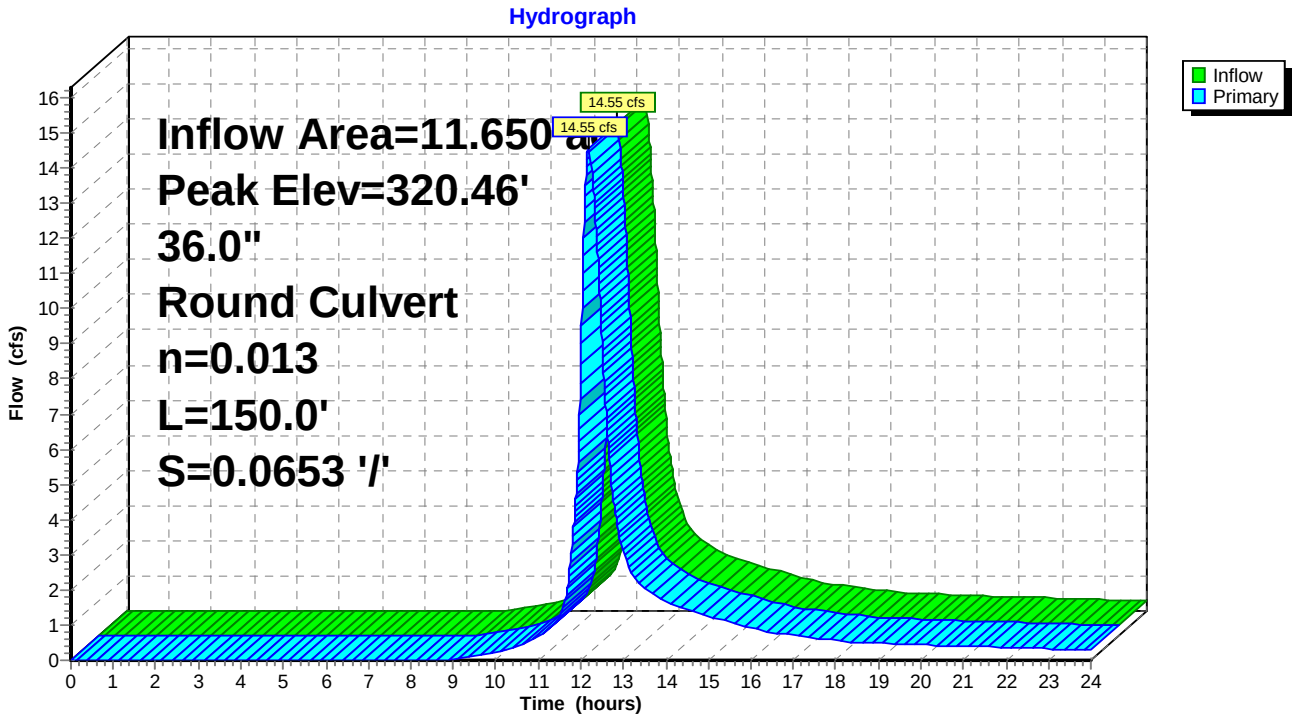
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 1.70" for 2-Year event
Inflow = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af
Outflow = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af, Atten= 0%, Lag= 0.0 min
Primary = 14.55 cfs @ 12.18 hrs, Volume= 1.646 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.46' @ 12.18 hrs
Flood Elev= 338.50'

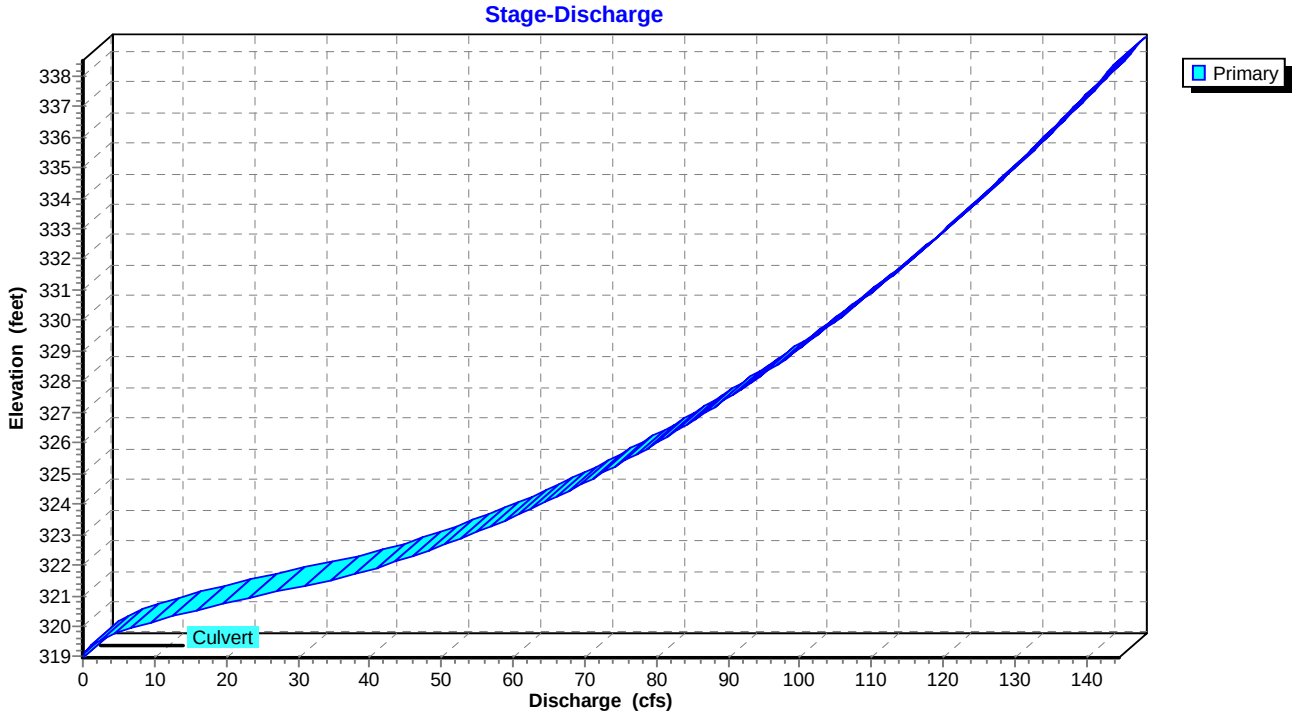
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.55 cfs @ 12.18 hrs HW=320.46' TW=310.50' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 14.55 cfs @ 4.15 fps)

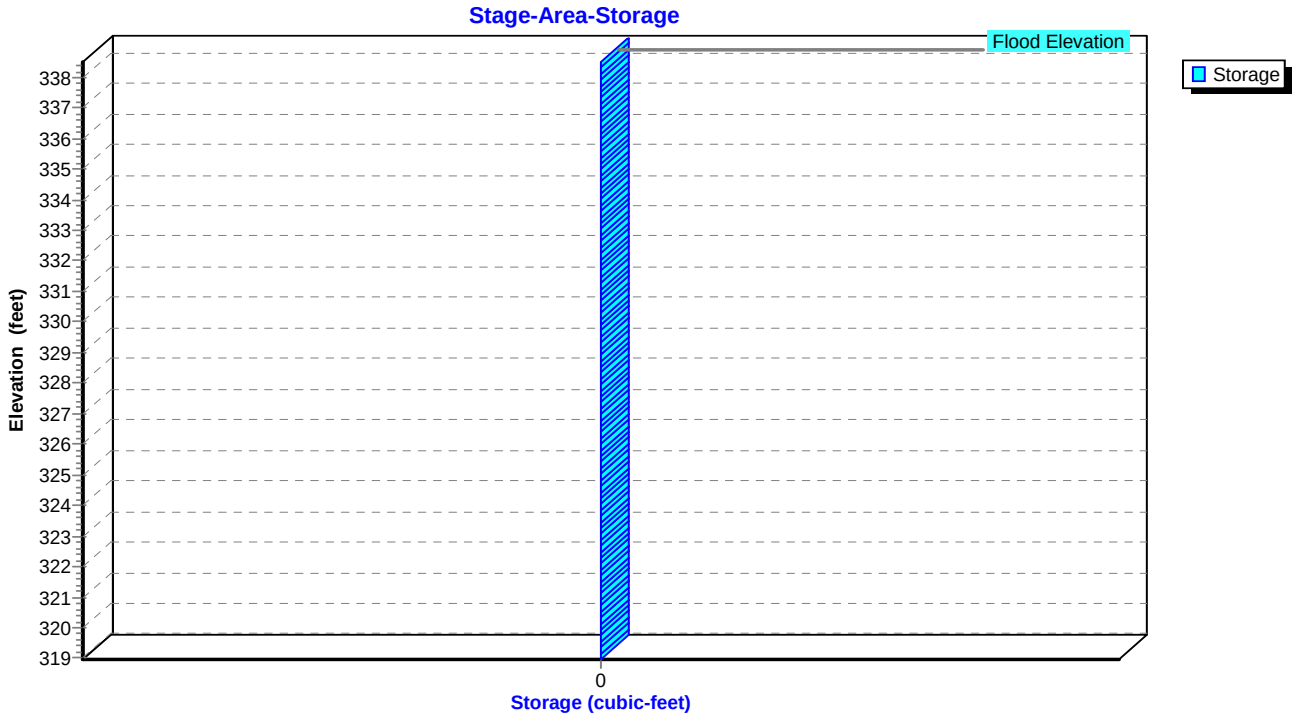
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.00	318.97	0.00
8.00	0.00	318.97	0.00
8.50	0.00	318.99	0.00
9.00	0.03	319.03	0.03
9.50	0.10	319.09	0.10
10.00	0.22	319.14	0.22
10.50	0.40	319.20	0.40
11.00	0.67	319.27	0.67
11.50	1.27	319.38	1.27
12.00	**8.42**	**320.07**	**8.42**
12.50	**9.07**	**320.12**	**9.07**
13.00	3.05	319.61	3.05
13.50	2.04	319.49	2.04
14.00	1.67	319.44	1.67
14.50	1.43	319.41	1.43
15.00	1.26	319.38	1.26
15.50	1.09	319.35	1.09
16.00	0.91	319.32	0.91
16.50	0.79	319.29	0.79
17.00	0.71	319.28	0.71
17.50	0.63	319.26	0.63
18.00	0.56	319.24	0.56
18.50	0.51	319.23	0.51
19.00	0.48	319.22	0.48
19.50	0.46	319.21	0.46
20.00	0.44	319.21	0.44
20.50	0.42	319.20	0.42
21.00	0.40	319.20	0.40
21.50	0.38	319.19	0.38
22.00	0.36	319.19	0.36
22.50	0.34	319.18	0.34
23.00	0.33	319.18	0.33
23.50	0.31	319.17	0.31
24.00	0.29	319.16	0.29

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

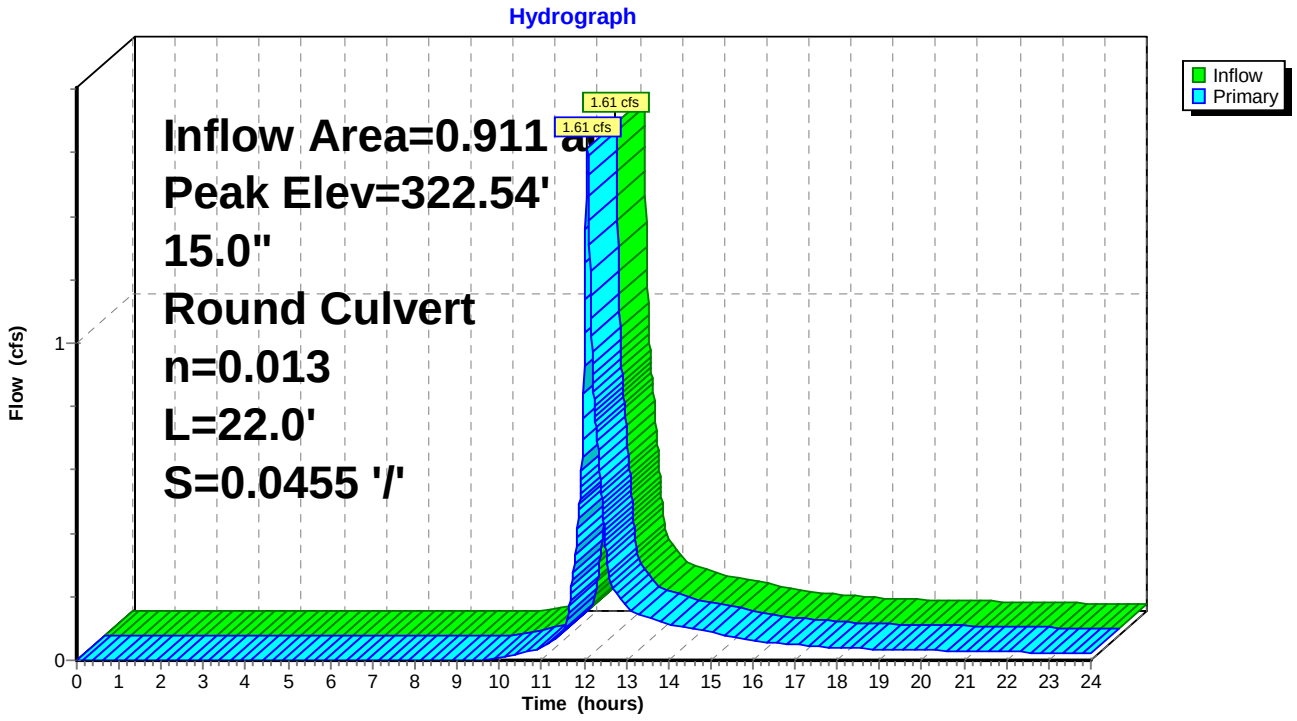
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 1.50" for 2-Year event
Inflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af
Outflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.54' @ 12.08 hrs
Flood Elev= 324.50'

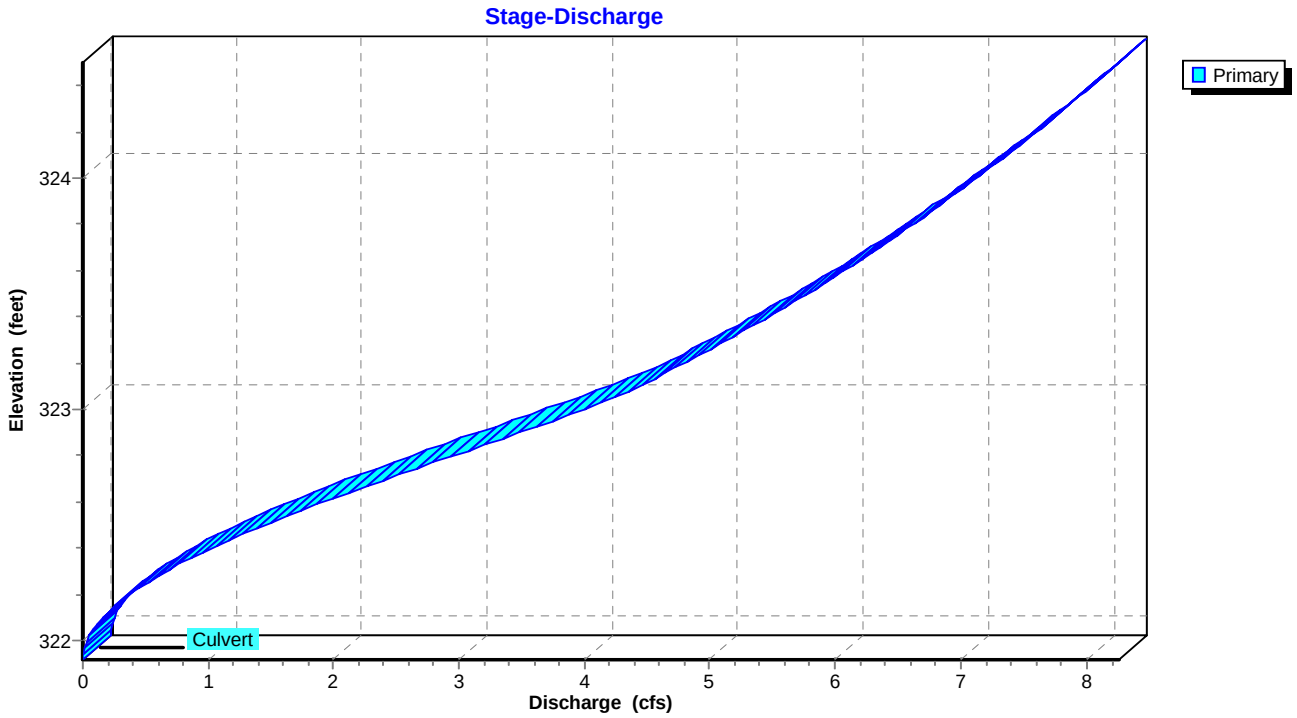
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.61 cfs @ 12.08 hrs HW=322.54' TW=320.34' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.61 cfs @ 2.67 fps)

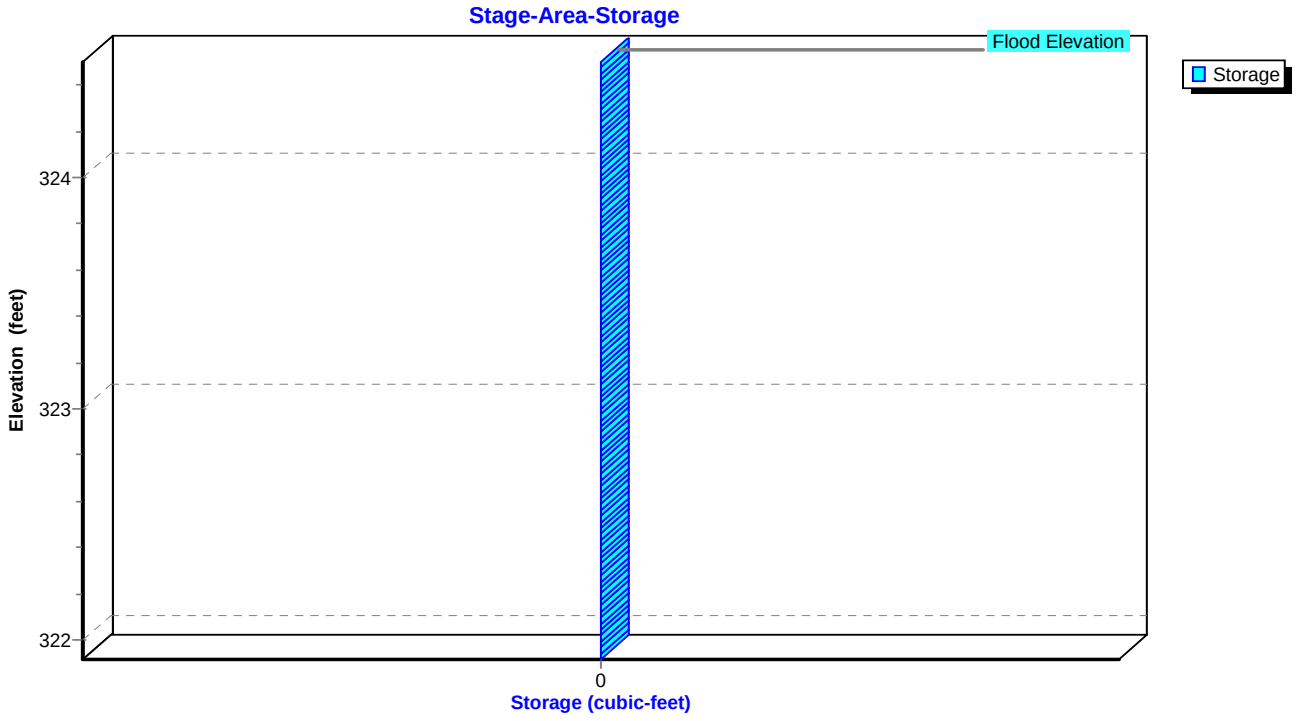
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.93	0.00
10.00	0.01	321.96	0.01
10.50	0.02	321.99	0.02
11.00	0.04	322.01	0.04
11.50	0.09	322.06	0.09
12.00	**0.93**	**322.38**	**0.93**
12.50	**0.39**	**322.21**	**0.39**
13.00	0.17	322.11	0.17
13.50	0.14	322.09	0.14
14.00	0.11	322.07	0.11
14.50	0.10	322.06	0.10
15.00	0.09	322.05	0.09
15.50	0.08	322.04	0.08
16.00	0.06	322.03	0.06
16.50	0.06	322.03	0.06
17.00	0.05	322.02	0.05
17.50	0.04	322.01	0.04
18.00	0.04	322.01	0.04
18.50	0.04	322.01	0.04
19.00	0.03	322.00	0.03
19.50	0.03	322.00	0.03
20.00	0.03	322.00	0.03
20.50	0.03	322.00	0.03
21.00	0.03	322.00	0.03
21.50	0.03	321.99	0.03
22.00	0.03	321.99	0.03
22.50	0.02	321.99	0.02
23.00	0.02	321.99	0.02
23.50	0.02	321.99	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.10' Inflow=4.05 cfs 0.476 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=4.05 cfs 0.476 af

Pond CB10: Catchbasin Peak Elev=310.91' Inflow=22.85 cfs 2.595 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=22.85 cfs 2.595 af

Pond CB10-1: CB1-1 Peak Elev=312.68' Inflow=2.30 cfs 0.138 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.30 cfs 0.138 af

Pond CB11: Catchbasin Peak Elev=299.85' Inflow=24.43 cfs 2.725 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=24.43 cfs 2.725 af

Pond CB11-1: CB1-1 Peak Elev=302.78' Inflow=1.60 cfs 0.131 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.60 cfs 0.131 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.78' Inflow=8.53 cfs 0.959 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=8.53 cfs 0.959 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.97' Inflow=10.50 cfs 1.174 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=10.50 cfs 1.174 af

Pond CB4: Catchbasin Peak Elev=333.29' Inflow=13.96 cfs 1.593 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=13.96 cfs 1.593 af

Pond CB4-1: CB1-1 Peak Elev=336.84' Inflow=13.96 cfs 1.593 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=13.96 cfs 1.593 af

Pond CB5: Catchbasin Peak Elev=332.10' Inflow=14.31 cfs 1.653 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=14.31 cfs 1.653 af

Pond CB5-1: CB1-1 Peak Elev=334.37' Inflow=1.01 cfs 0.060 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.01 cfs 0.060 af

Pond CB6: Catchbasin Peak Elev=330.86' Inflow=17.20 cfs 1.924 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=17.20 cfs 1.924 af

Pond CB6-1: CB1-1 Peak Elev=336.81' Inflow=3.01 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.01 cfs 0.271 af

Pond CB7: Catchbasin Peak Elev=329.56' Inflow=19.65 cfs 2.172 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=19.65 cfs 2.172 af

Pond CB7-1: CB1-1 Peak Elev=335.35' Inflow=3.22 cfs 0.248 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.22 cfs 0.248 af

Pond CB8: Catchbasin Peak Elev=328.08' Inflow=20.37 cfs 2.283 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=20.37 cfs 2.283 af

Pond CB8-1: CB1-1 Peak Elev=330.84' Inflow=1.86 cfs 0.111 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.86 cfs 0.111 af

Pond CB9: Catchbasin Peak Elev=320.86' Inflow=21.92 cfs 2.457 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=21.92 cfs 2.457 af

Pond CB9-1: CB1-1 Peak Elev=322.72' Inflow=2.50 cfs 0.174 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.50 cfs 0.174 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

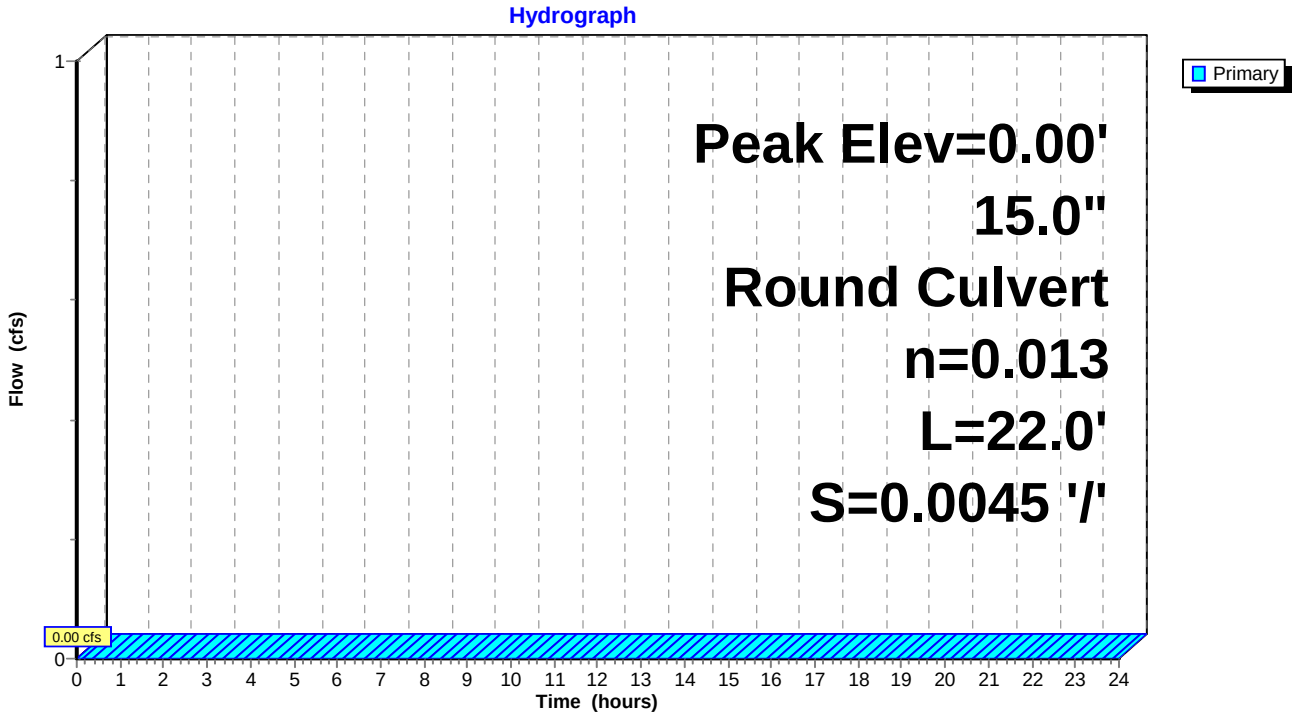
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

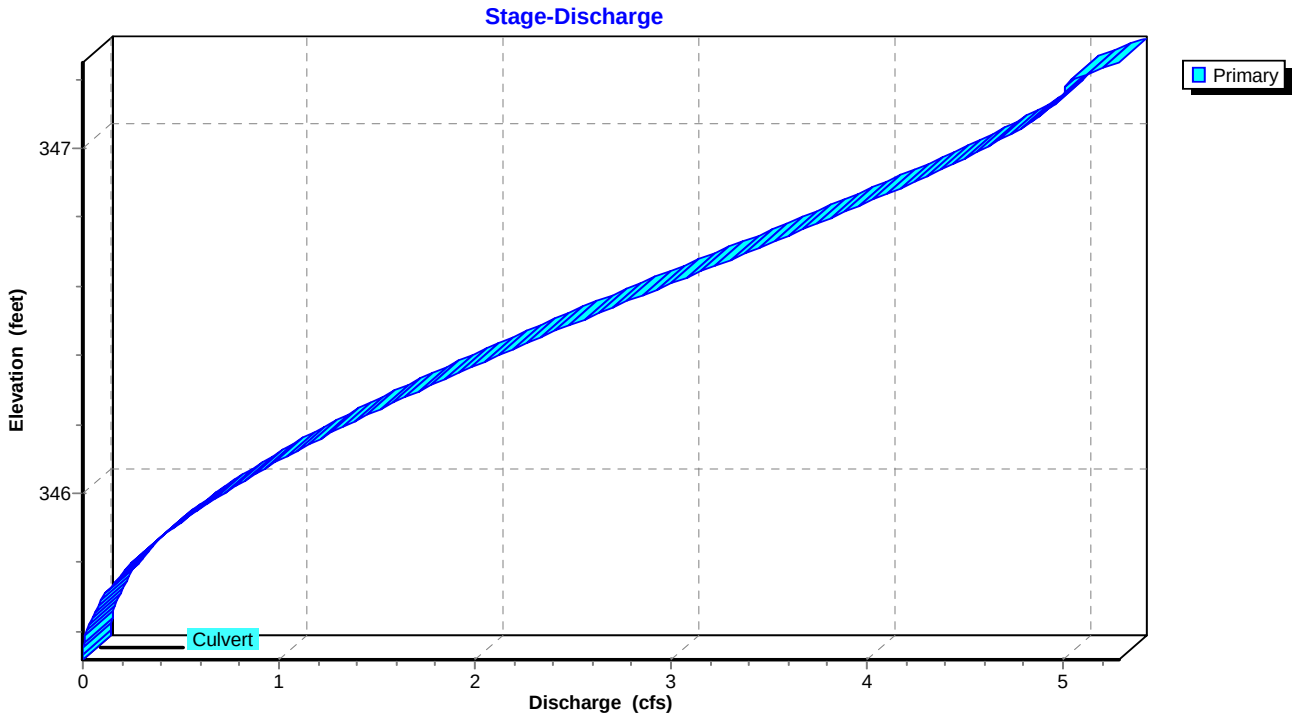
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

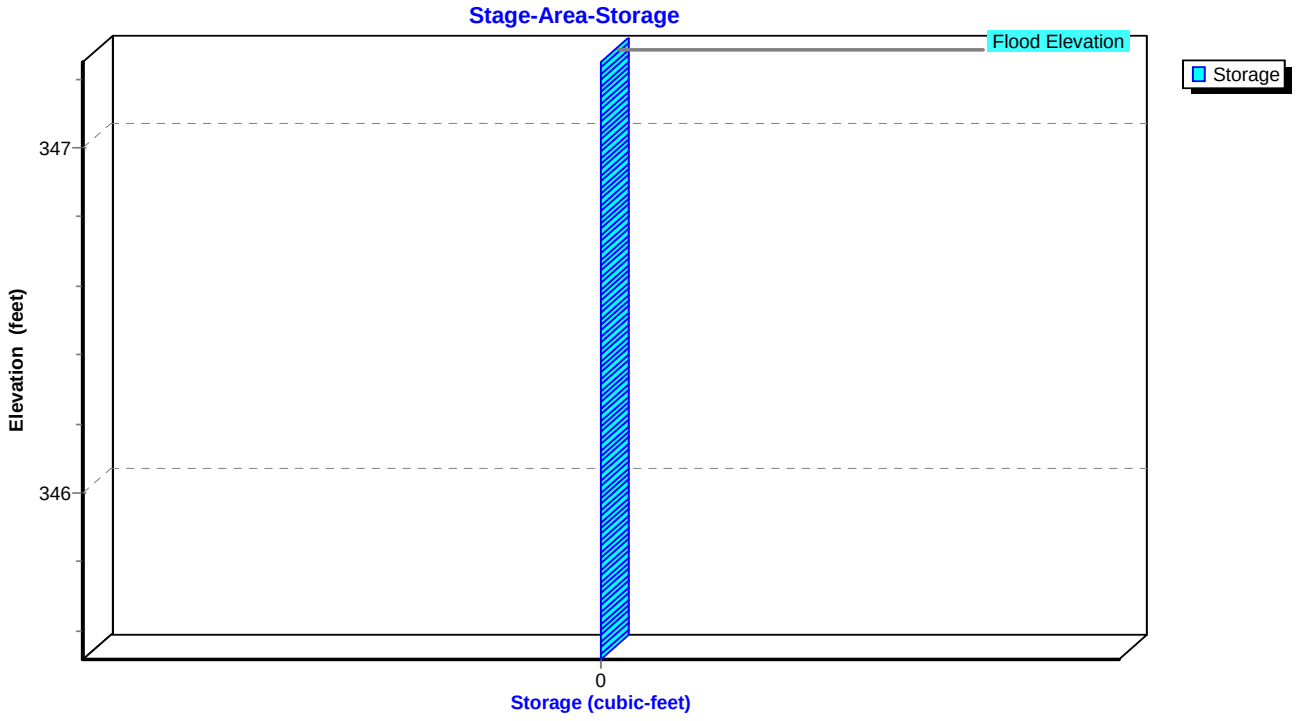
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

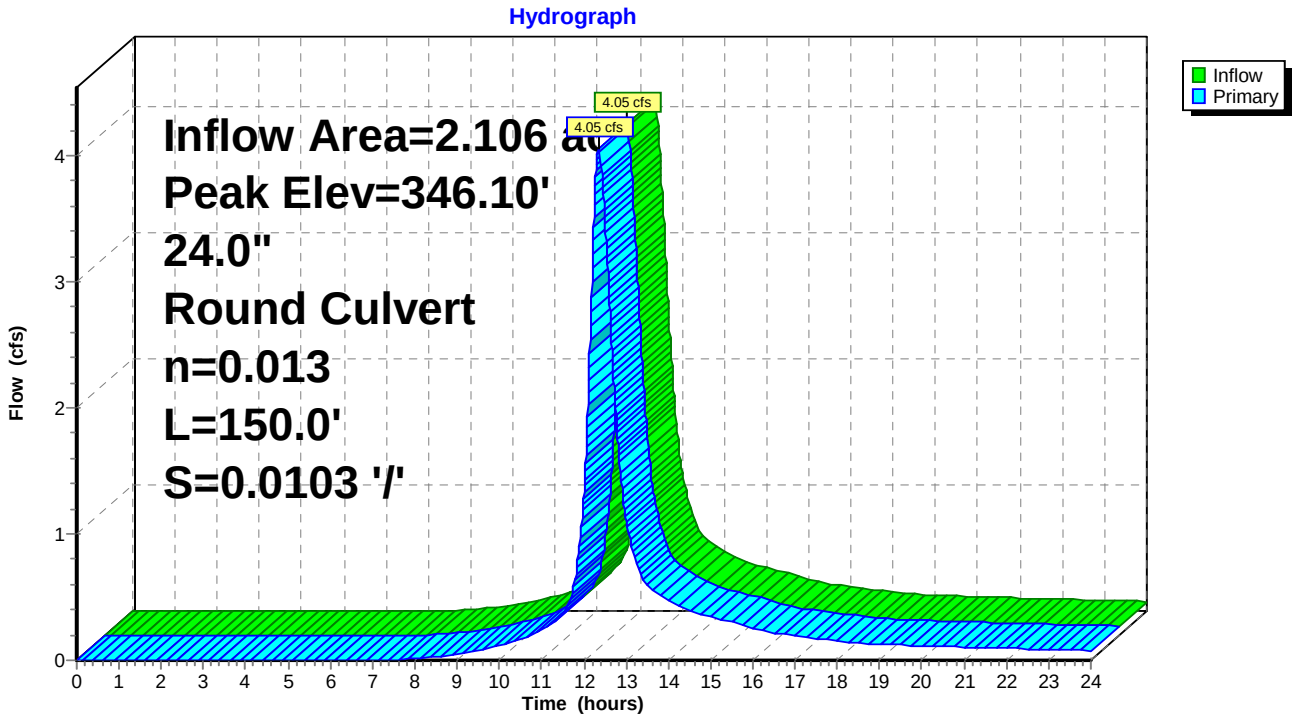
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 2.71" for 5-Year event
Inflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af
Outflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af, Atten= 0%, Lag= 0.0 min
Primary = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.10' @ 12.34 hrs
Flood Elev= 348.80'

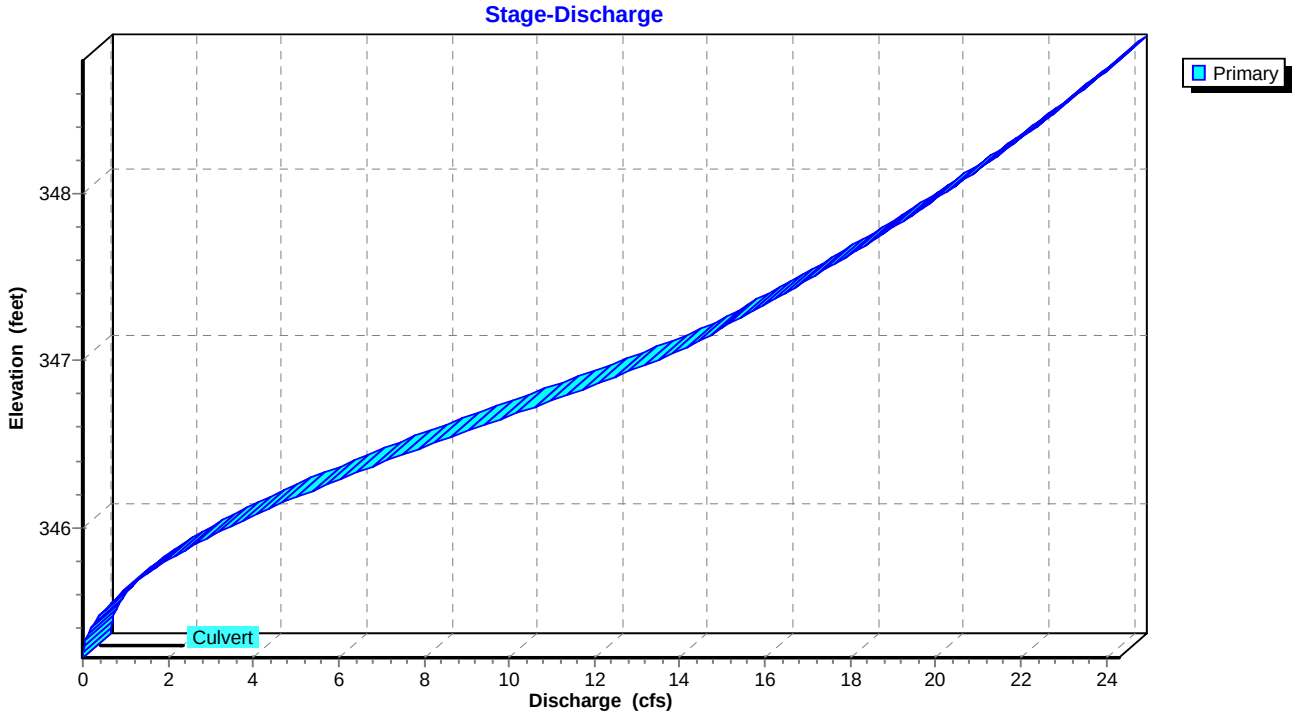
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=4.06 cfs @ 12.36 hrs HW=346.10' TW=344.76' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 4.06 cfs @ 4.49 fps)

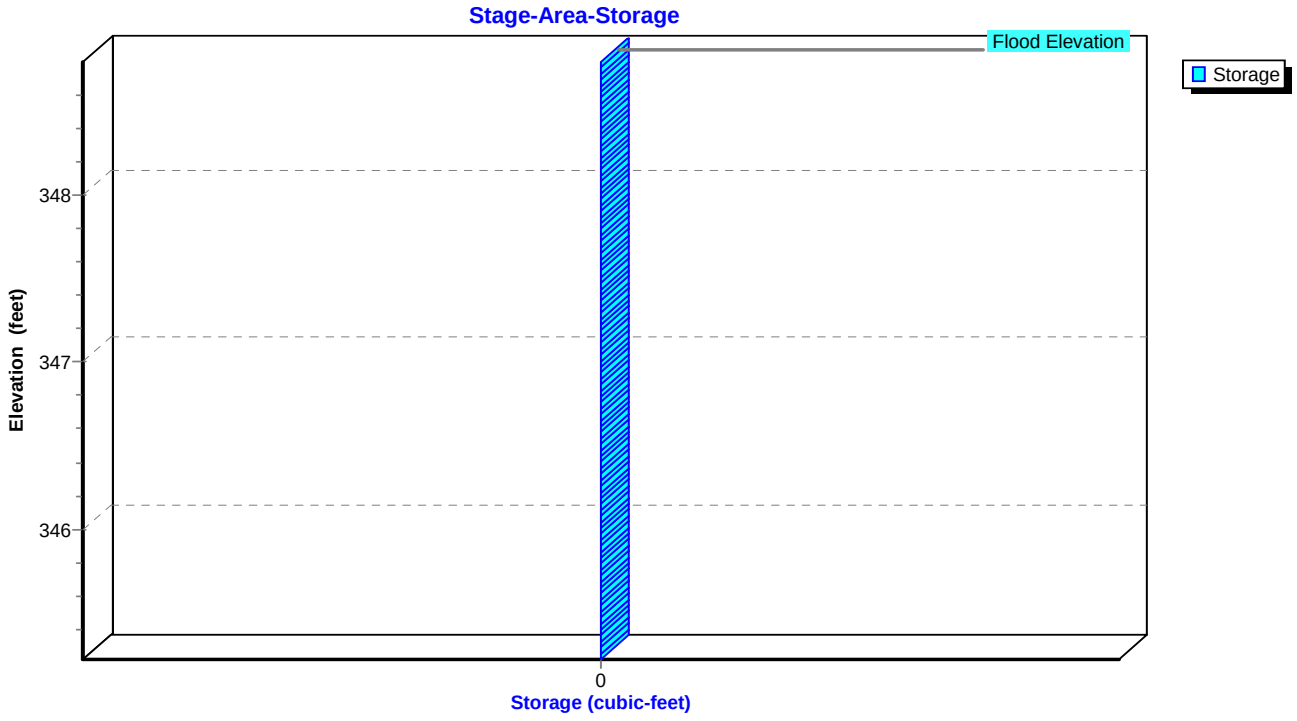
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.22	0.00
7.50	0.00	345.24	0.00
8.00	0.01	345.27	0.01
8.50	0.03	345.29	0.03
9.00	0.05	345.31	0.05
9.50	0.08	345.34	0.08
10.00	0.12	345.36	0.12
10.50	0.17	345.38	0.17
11.00	0.24	345.42	0.24
11.50	0.38	345.47	0.38
12.00	**1.33**	**345.69**	**1.33**
12.50	**3.51**	**346.02**	**3.51**
13.00	1.11	345.65	1.11
13.50	0.60	345.53	0.60
14.00	0.47	345.50	0.47
14.50	0.39	345.47	0.39
15.00	0.35	345.46	0.35
15.50	0.30	345.44	0.30
16.00	0.25	345.42	0.25
16.50	0.21	345.41	0.21
17.00	0.19	345.40	0.19
17.50	0.17	345.39	0.17
18.00	0.15	345.38	0.15
18.50	0.13	345.37	0.13
19.00	0.13	345.36	0.13
19.50	0.12	345.36	0.12
20.00	0.11	345.36	0.11
20.50	0.11	345.35	0.11
21.00	0.10	345.35	0.10
21.50	0.10	345.35	0.10
22.00	0.09	345.34	0.09
22.50	0.09	345.34	0.09
23.00	0.09	345.34	0.09
23.50	0.08	345.34	0.08
24.00	0.08	345.33	0.08

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

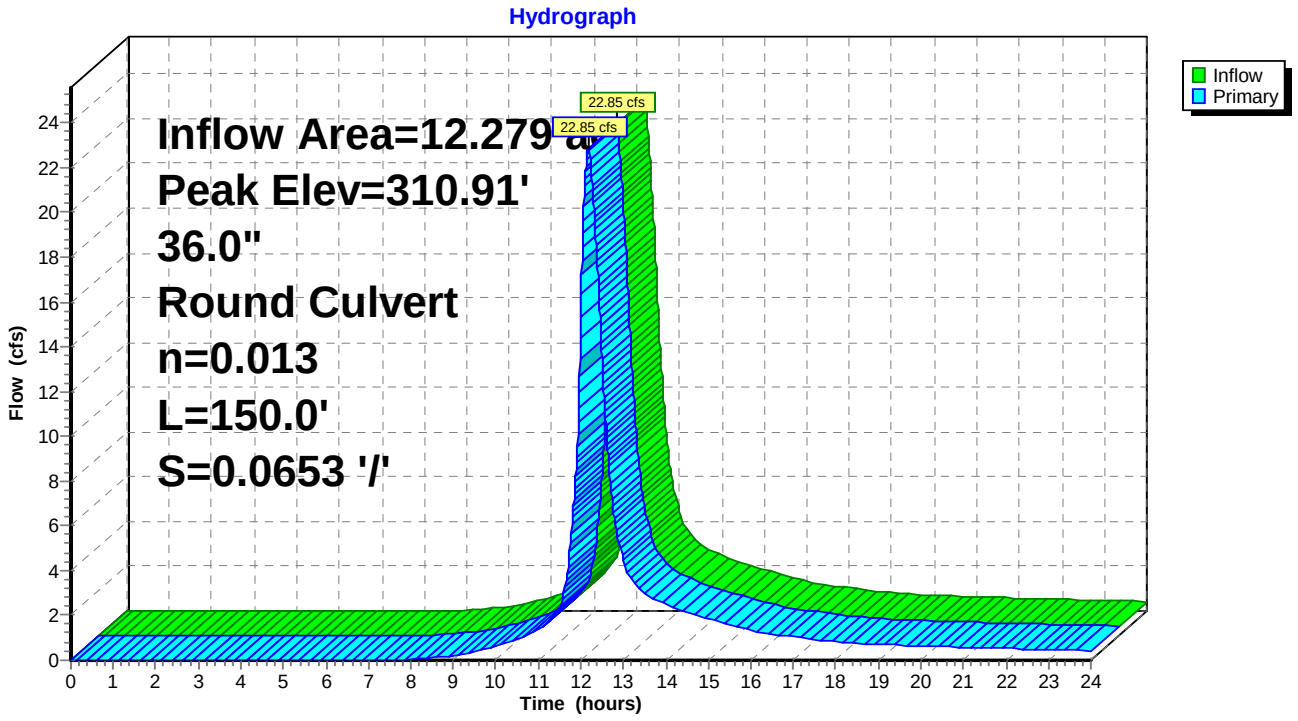
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af
Outflow = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af, Atten= 0%, Lag= 0.0 min
Primary = 22.85 cfs @ 12.17 hrs, Volume= 2.595 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 310.91' @ 12.17 hrs
Flood Elev= 313.50'

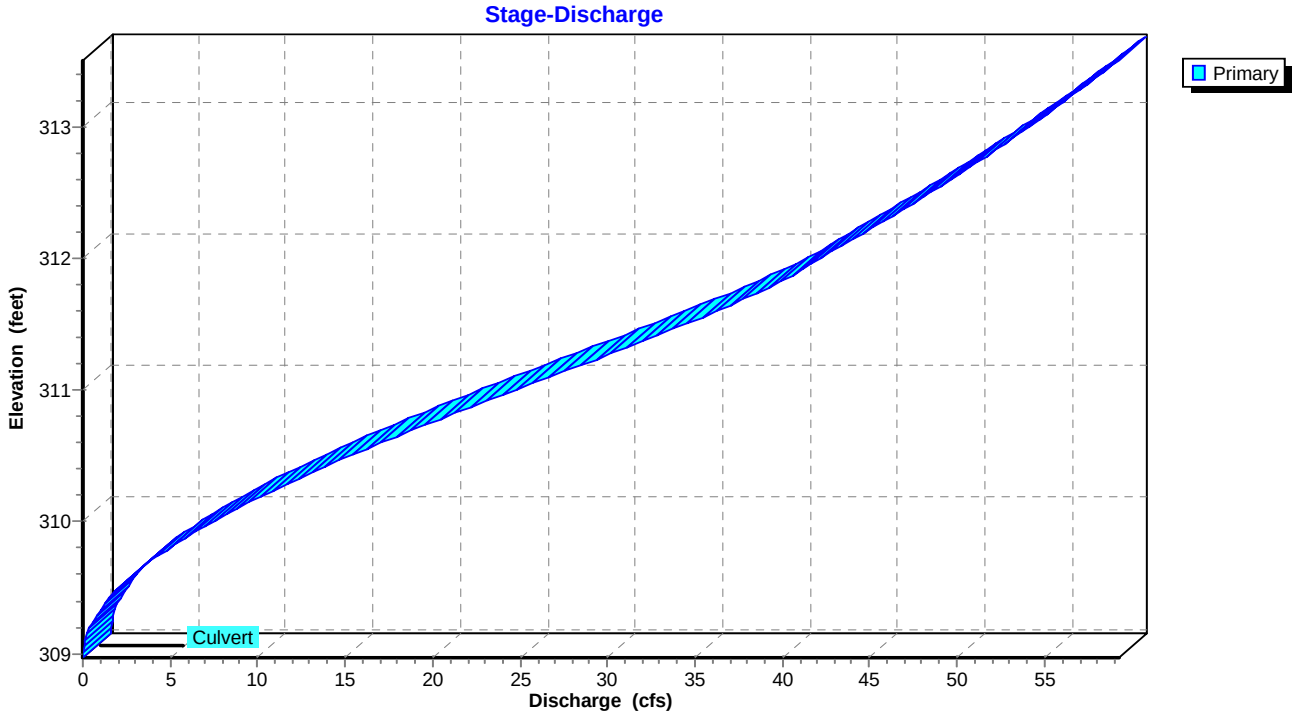
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=22.85 cfs @ 12.17 hrs HW=310.91' TW=299.85' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 22.85 cfs @ 4.74 fps)

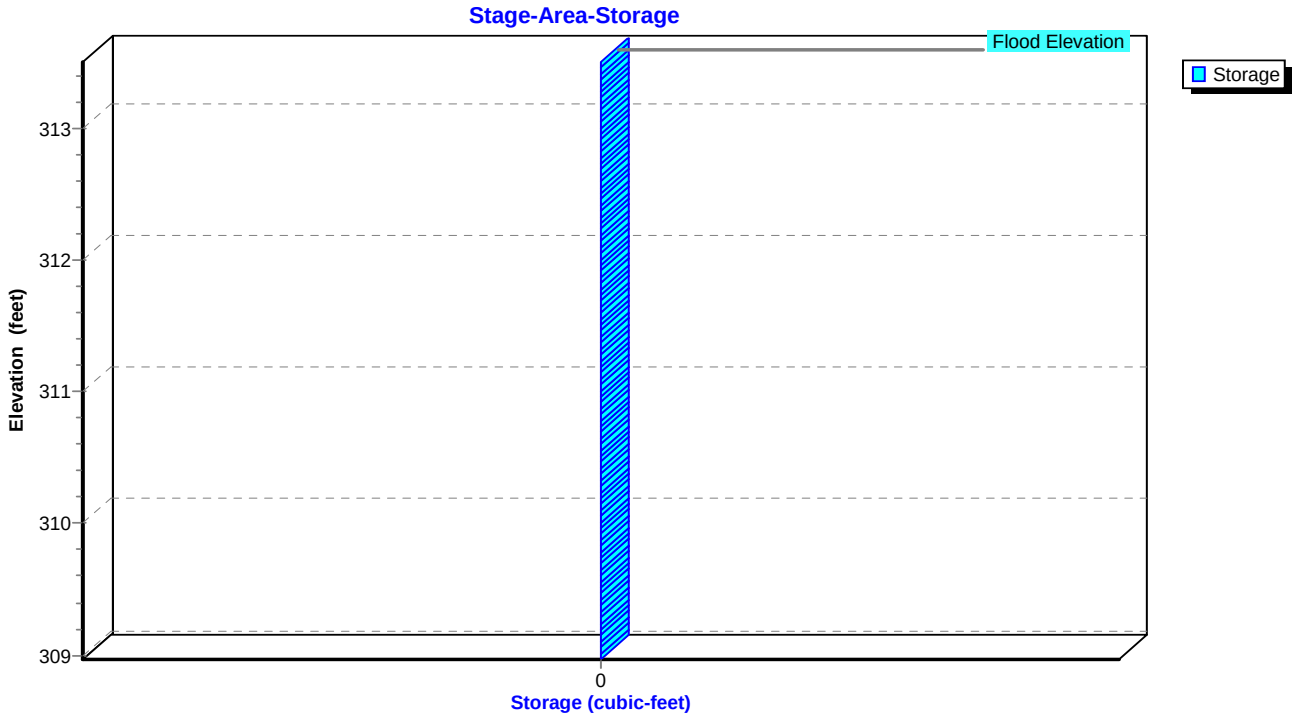
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.00	308.98	0.00
7.50	0.01	309.00	0.01
8.00	0.04	309.04	0.04
8.50	0.10	309.09	0.10
9.00	0.23	309.14	0.23
9.50	0.40	309.20	0.40
10.00	0.60	309.25	0.60
10.50	0.92	309.32	0.92
11.00	1.36	309.39	1.36
11.50	2.39	309.54	2.39
12.00	**15.33**	**310.50**	**15.33**
12.50	**13.45**	**310.40**	**13.45**
13.00	4.50	309.76	4.50
13.50	3.02	309.61	3.02
14.00	2.47	309.55	2.47
14.50	2.10	309.50	2.10
15.00	1.85	309.47	1.85
15.50	1.59	309.43	1.59
16.00	1.33	309.39	1.33
16.50	1.15	309.36	1.15
17.00	1.04	309.34	1.04
17.50	0.92	309.32	0.92
18.00	0.81	309.30	0.81
18.50	0.74	309.28	0.74
19.00	0.70	309.27	0.70
19.50	0.67	309.27	0.67
20.00	0.63	309.26	0.63
20.50	0.60	309.25	0.60
21.00	0.58	309.25	0.58
21.50	0.55	309.24	0.55
22.00	0.53	309.23	0.53
22.50	0.50	309.23	0.50
23.00	0.47	309.22	0.47
23.50	0.45	309.21	0.45
24.00	0.42	309.20	0.42

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

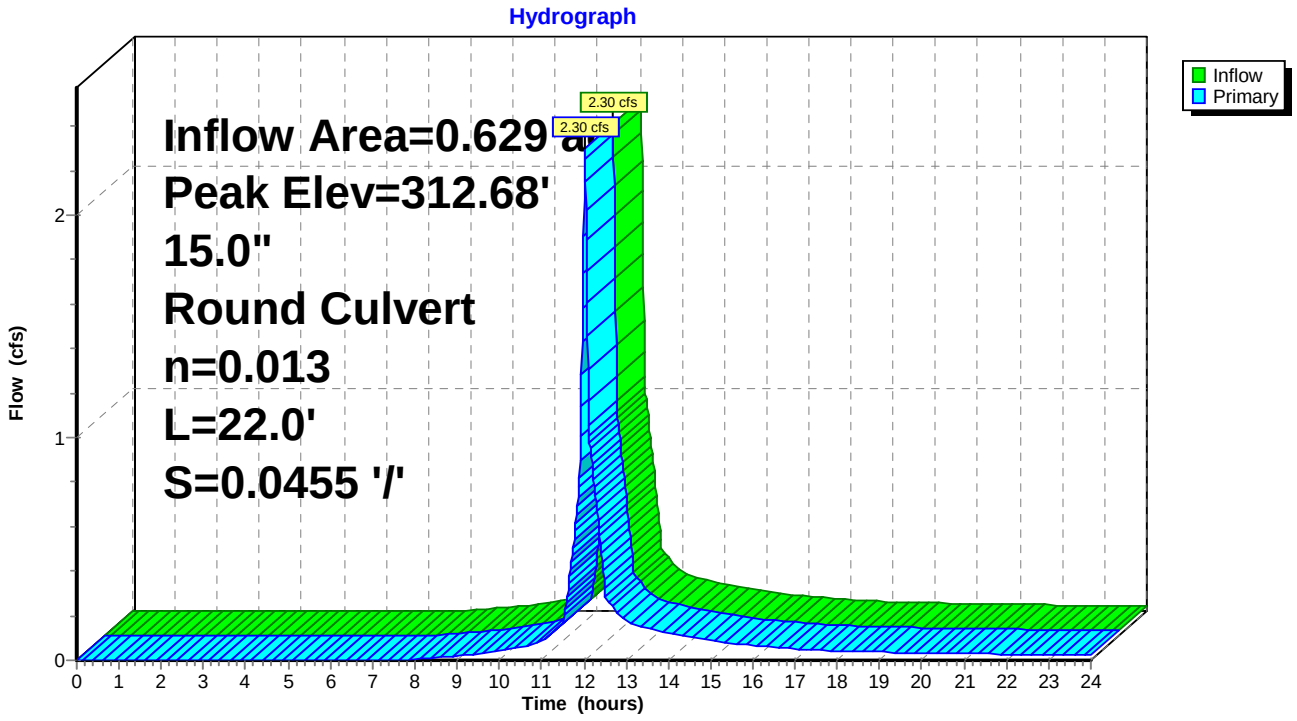
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 2.64" for 5-Year event
Inflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af
Outflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.68' @ 12.02 hrs
Flood Elev= 314.50'

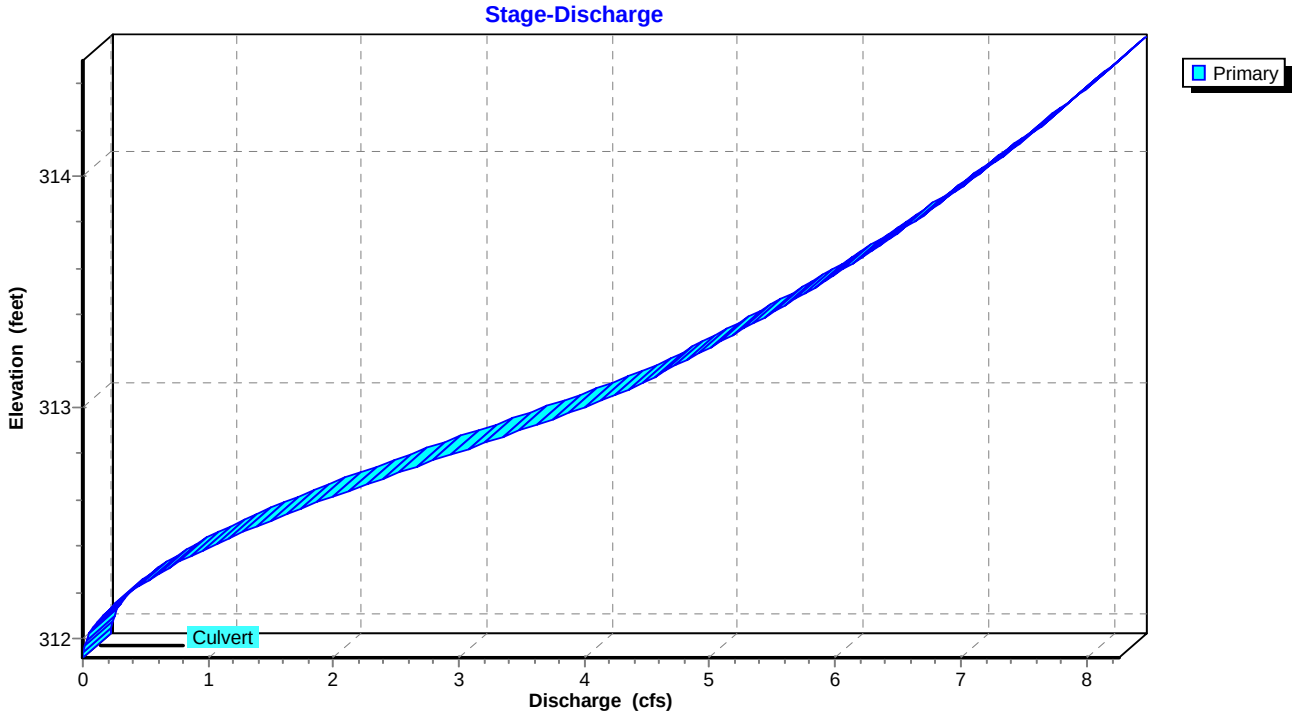
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.30 cfs @ 12.02 hrs HW=312.68' TW=310.61' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.96 fps)

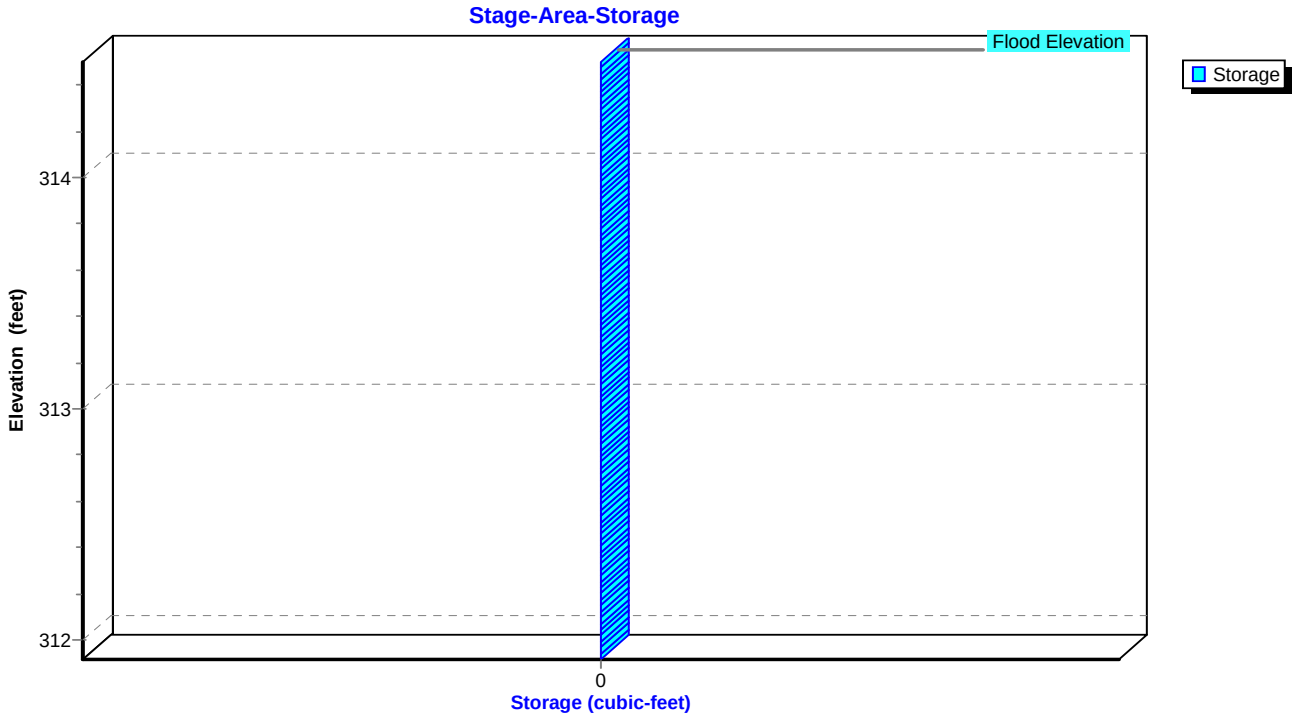
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.93	0.00
8.00	0.00	311.95	0.00
8.50	0.01	311.97	0.01
9.00	0.02	311.98	0.02
9.50	0.03	312.00	0.03
10.00	0.04	312.01	0.04
10.50	0.06	312.03	0.06
11.00	0.09	312.05	0.09
11.50	0.17	312.10	0.17
12.00	**2.07**	**312.63**	**2.07**
12.50	**0.31**	**312.18**	**0.31**
13.00	0.17	312.11	0.17
13.50	0.15	312.09	0.15
14.00	0.12	312.08	0.12
14.50	0.10	312.07	0.10
15.00	0.09	312.06	0.09
15.50	0.08	312.05	0.08
16.00	0.06	312.03	0.06
16.50	0.06	312.03	0.06
17.00	0.05	312.02	0.05
17.50	0.05	312.02	0.05
18.00	0.04	312.01	0.04
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.03	312.00	0.03
20.00	0.03	312.00	0.03
20.50	0.03	312.00	0.03
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	311.99	0.03
22.50	0.03	311.99	0.03
23.00	0.02	311.99	0.02
23.50	0.02	311.99	0.02
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

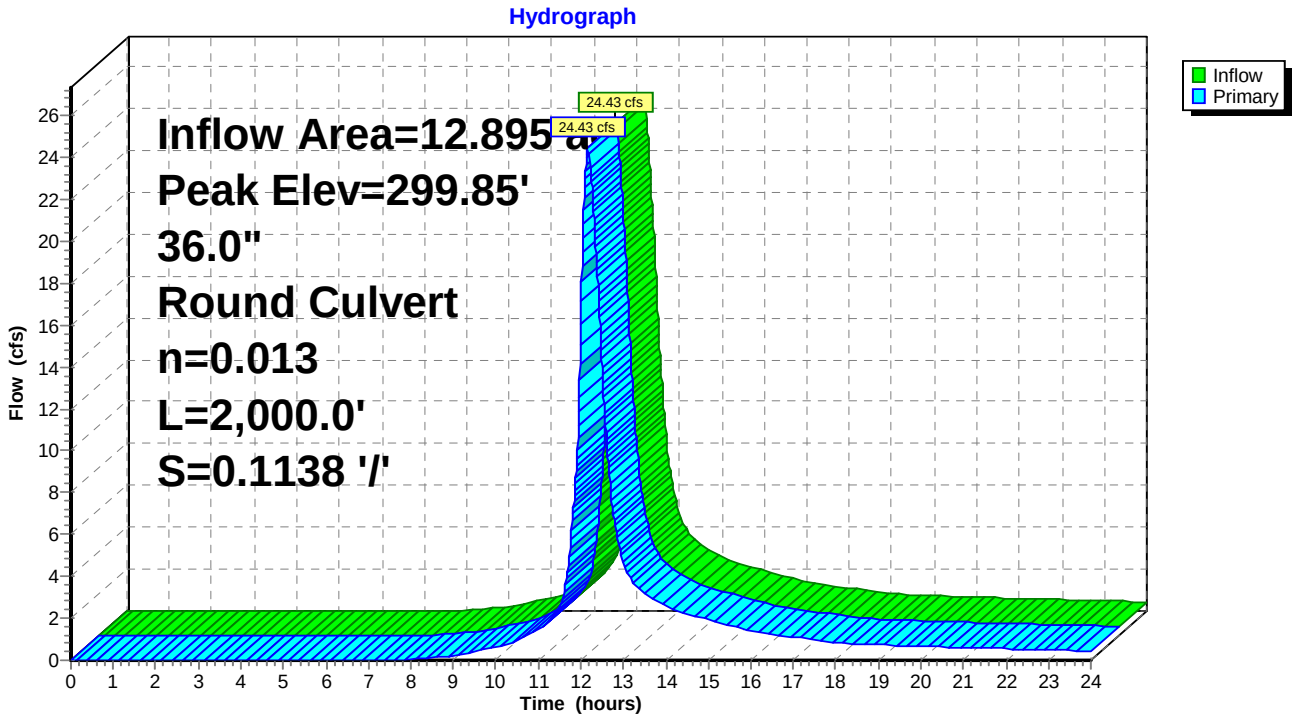
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af
Outflow = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af, Atten= 0%, Lag= 0.0 min
Primary = 24.43 cfs @ 12.16 hrs, Volume= 2.725 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.85' @ 12.16 hrs
Flood Elev= 303.50'

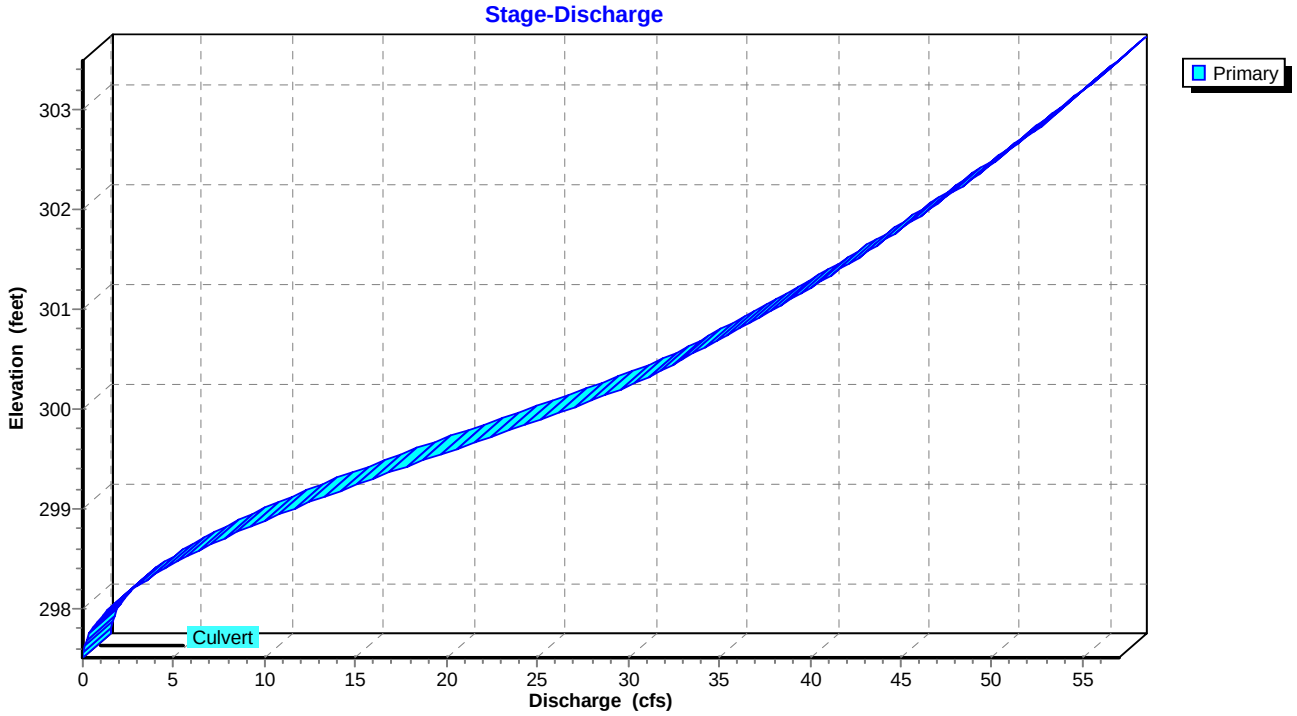
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=24.42 cfs @ 12.16 hrs HW=299.85' (Free Discharge)
1=Culvert (Inlet Controls 24.42 cfs @ 4.12 fps)

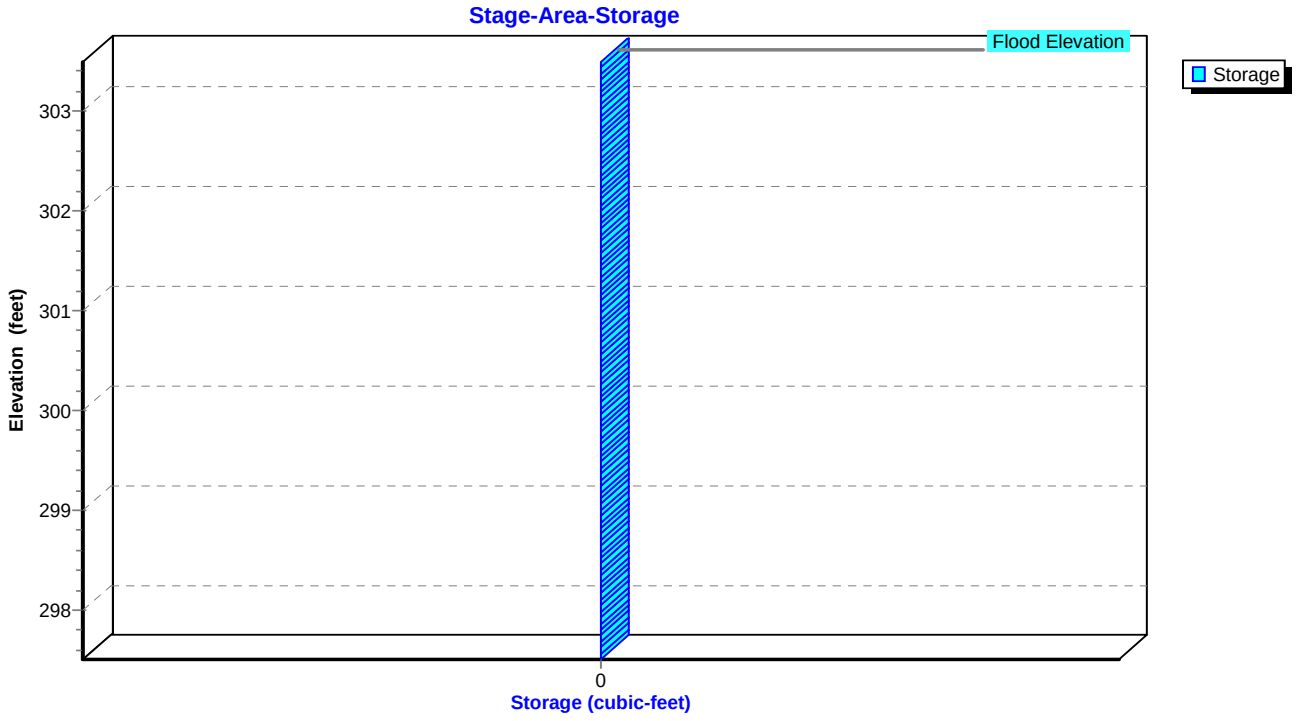
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.50	0.00
7.00	0.00	297.51	0.00
7.50	0.01	297.53	0.01
8.00	0.04	297.58	0.04
8.50	0.11	297.63	0.11
9.00	0.24	297.70	0.24
9.50	0.42	297.76	0.42
10.00	0.64	297.83	0.64
10.50	0.96	297.90	0.96
11.00	1.43	297.99	1.43
11.50	2.52	298.16	2.52
12.00	**16.09**	**299.31**	**16.09**
12.50	**14.01**	**299.17**	**14.01**
13.00	4.69	298.41	4.69
13.50	3.17	298.24	3.17
14.00	2.59	298.17	2.59
14.50	2.21	298.12	2.21
15.00	1.94	298.08	1.94
15.50	1.67	298.03	1.67
16.00	1.40	297.99	1.40
16.50	1.21	297.95	1.21
17.00	1.09	297.93	1.09
17.50	0.97	297.90	0.97
18.00	0.85	297.88	0.85
18.50	0.78	297.86	0.78
19.00	0.74	297.85	0.74
19.50	0.70	297.84	0.70
20.00	0.67	297.83	0.67
20.50	0.63	297.83	0.63
21.00	0.61	297.82	0.61
21.50	0.58	297.81	0.58
22.00	0.55	297.80	0.55
22.50	0.53	297.80	0.53
23.00	0.50	297.79	0.50
23.50	0.47	297.78	0.47
24.00	0.44	297.77	0.44

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

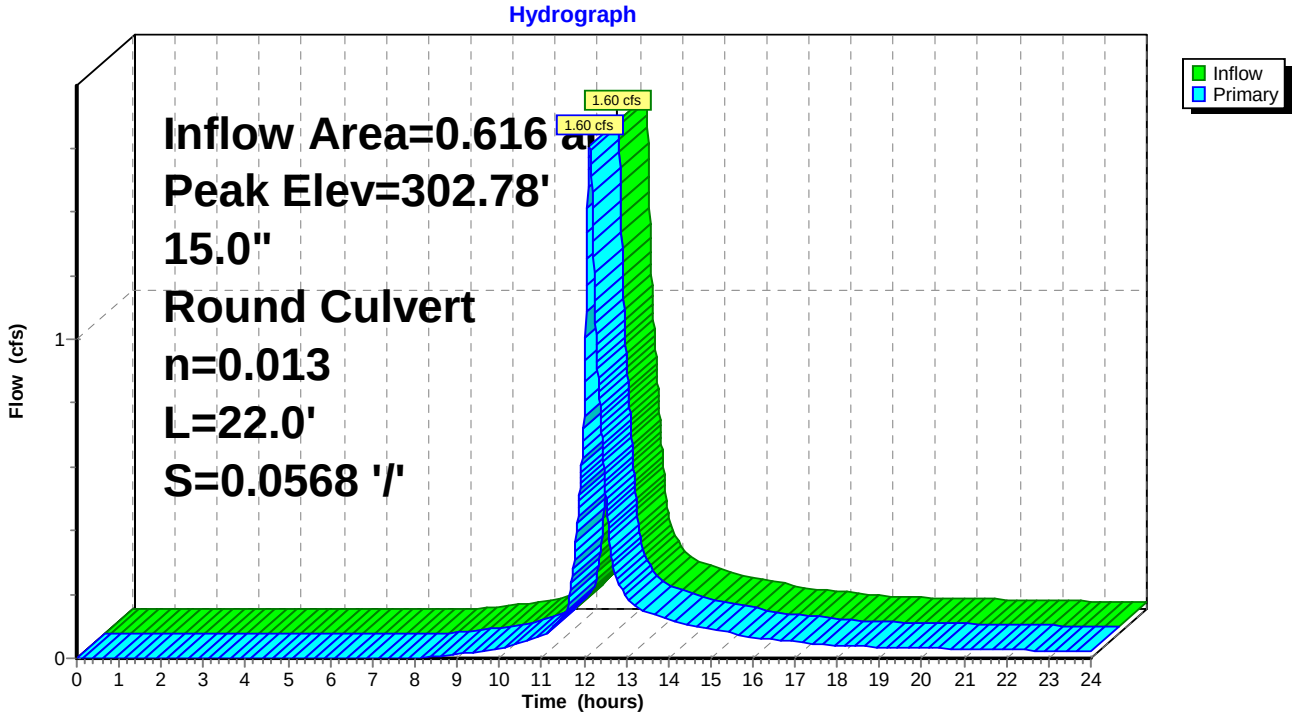
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 2.54" for 5-Year event
Inflow = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af
Outflow = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af, Atten= 0%, Lag= 0.0 min
Primary = 1.60 cfs @ 12.14 hrs, Volume= 0.131 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.78' @ 12.14 hrs
Flood Elev= 304.80'

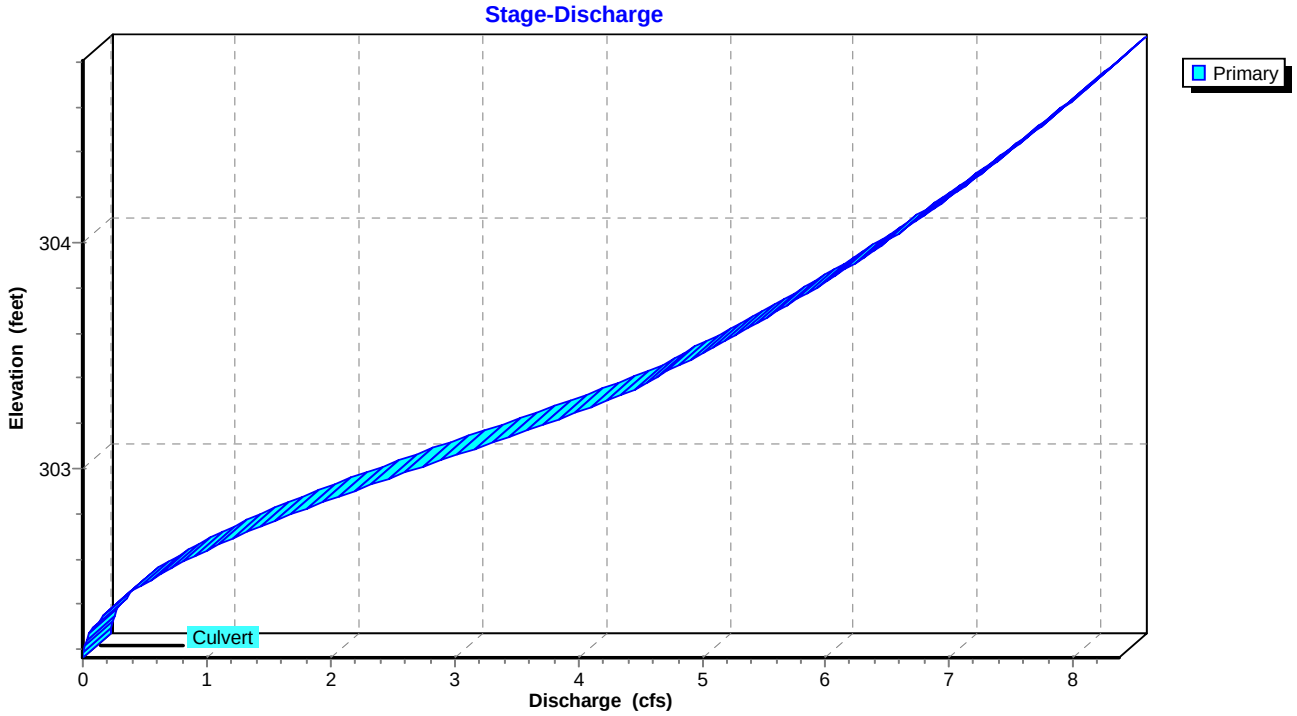
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.60 cfs @ 12.14 hrs HW=302.78' TW=299.83' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.60 cfs @ 2.67 fps)

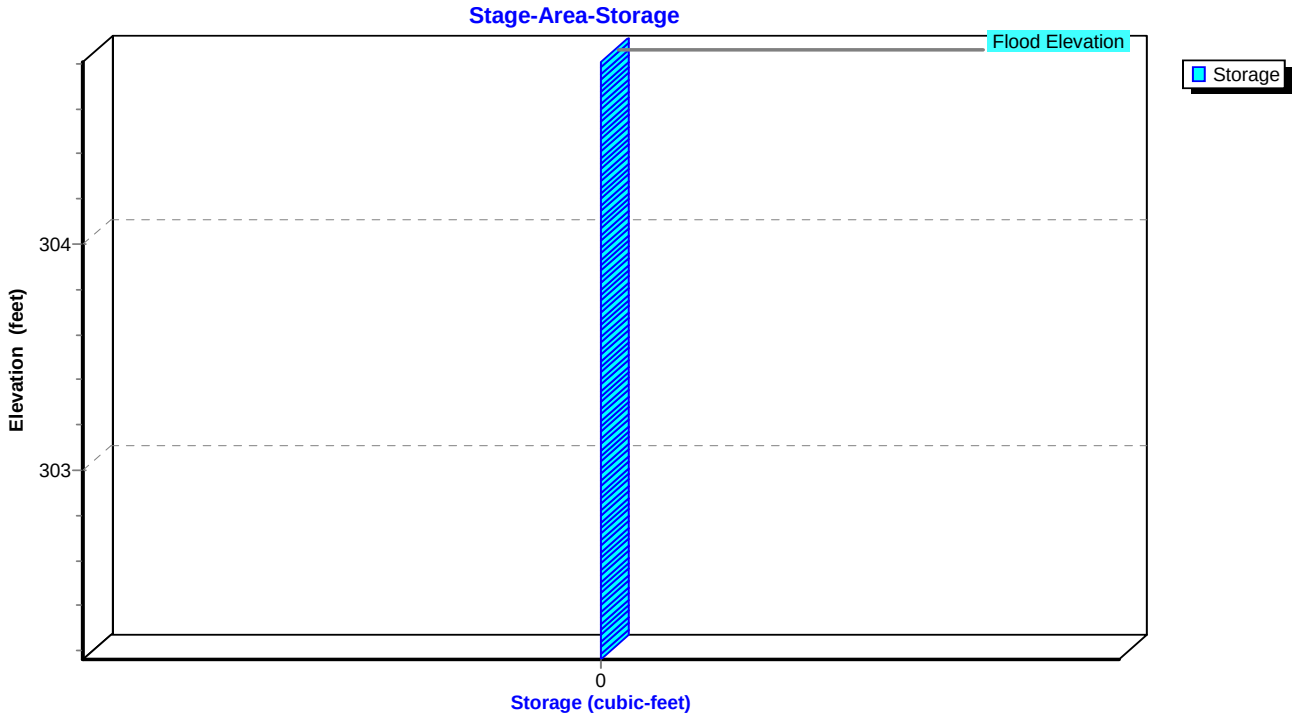
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.17	0.00
8.00	0.00	302.19	0.00
8.50	0.01	302.20	0.01
9.00	0.01	302.22	0.01
9.50	0.02	302.24	0.02
10.00	0.03	302.25	0.03
10.50	0.05	302.27	0.05
11.00	0.07	302.29	0.07
11.50	0.13	302.33	0.13
12.00	**0.76**	**302.58**	**0.76**
12.50	**0.56**	**302.52**	**0.56**
13.00	0.19	302.37	0.19
13.50	0.15	302.34	0.15
14.00	0.12	302.33	0.12
14.50	0.10	302.32	0.10
15.00	0.09	302.31	0.09
15.50	0.08	302.30	0.08
16.00	0.07	302.28	0.07
16.50	0.06	302.28	0.06
17.00	0.05	302.27	0.05
17.50	0.05	302.27	0.05
18.00	0.04	302.26	0.04
18.50	0.04	302.26	0.04
19.00	0.04	302.25	0.04
19.50	0.03	302.25	0.03
20.00	0.03	302.25	0.03
20.50	0.03	302.25	0.03
21.00	0.03	302.25	0.03
21.50	0.03	302.24	0.03
22.00	0.03	302.24	0.03
22.50	0.02	302.24	0.02
23.00	0.02	302.24	0.02
23.50	0.02	302.24	0.02
24.00	0.02	302.23	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

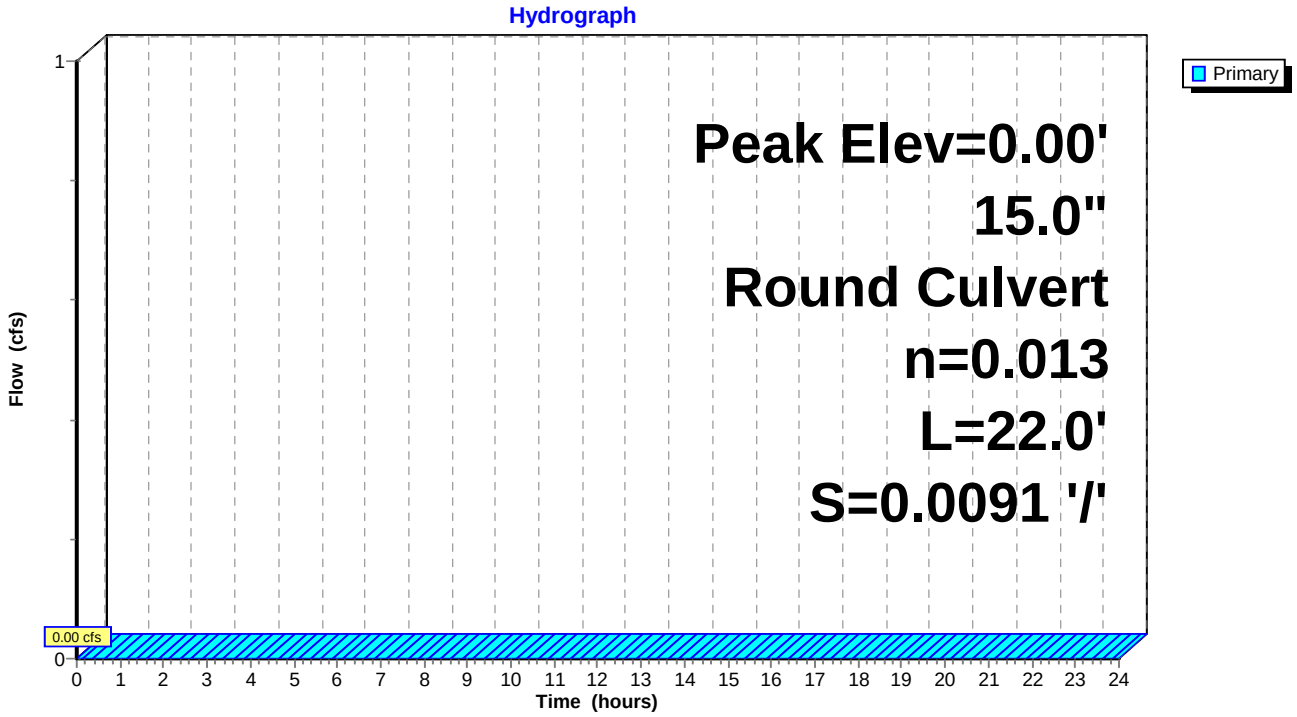
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

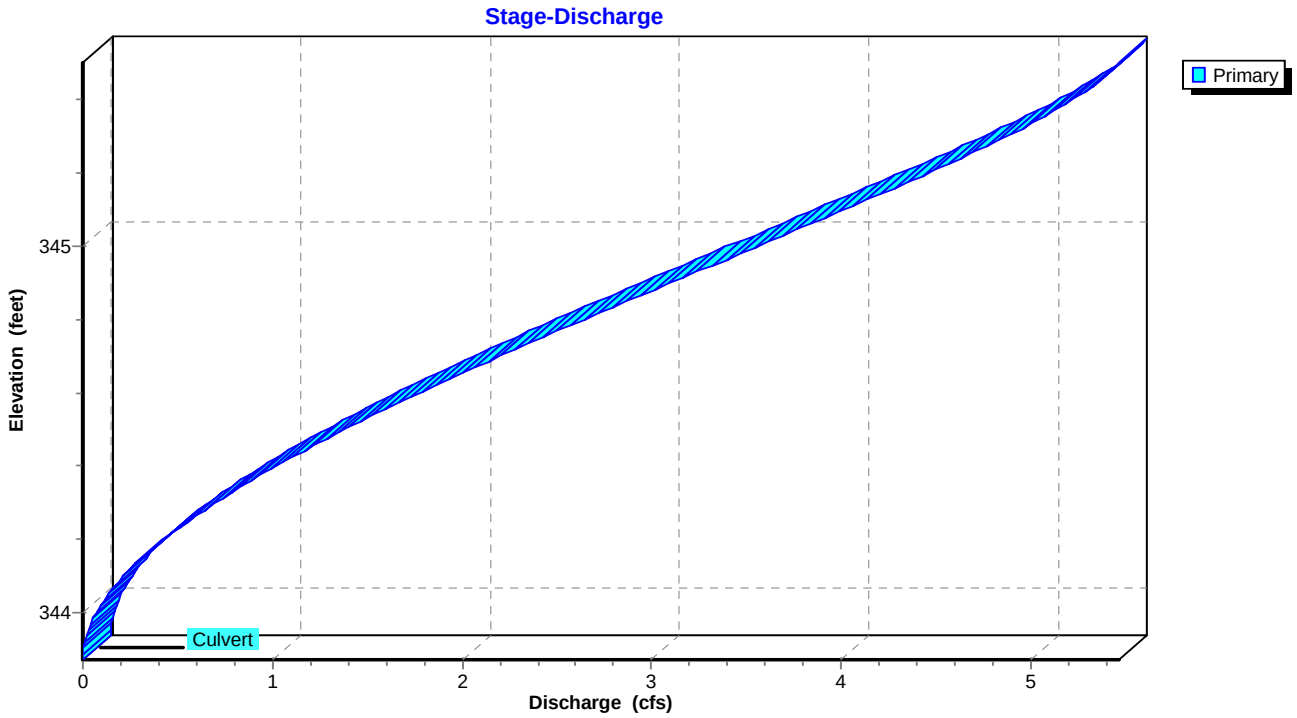
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

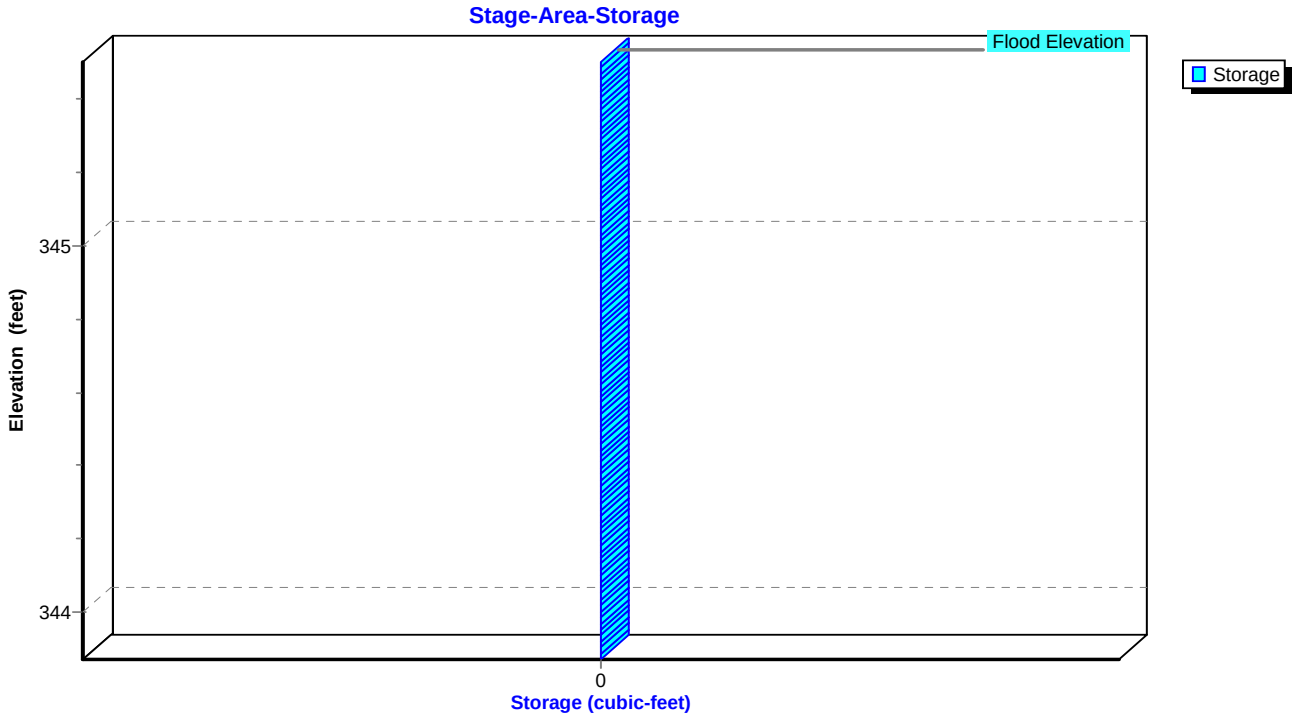
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

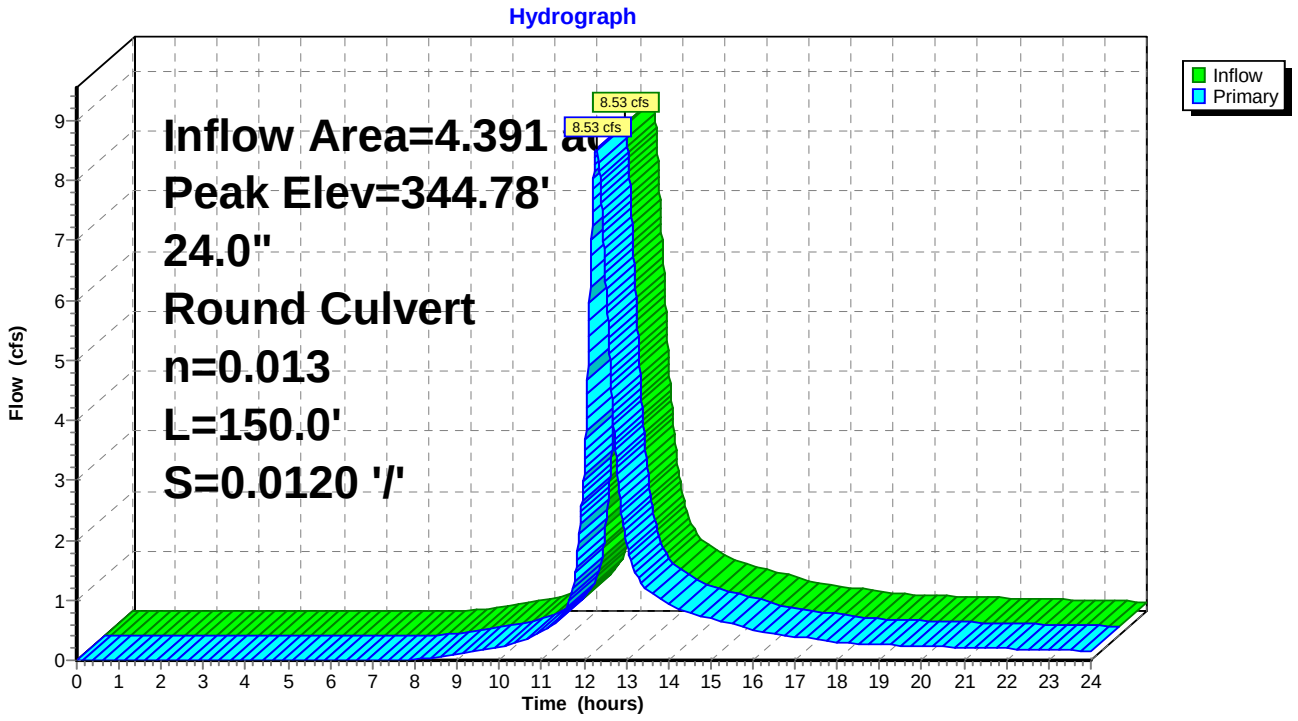
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af
Outflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af, Atten= 0%, Lag= 0.0 min
Primary = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.78' @ 12.30 hrs
Flood Elev= 347.00'

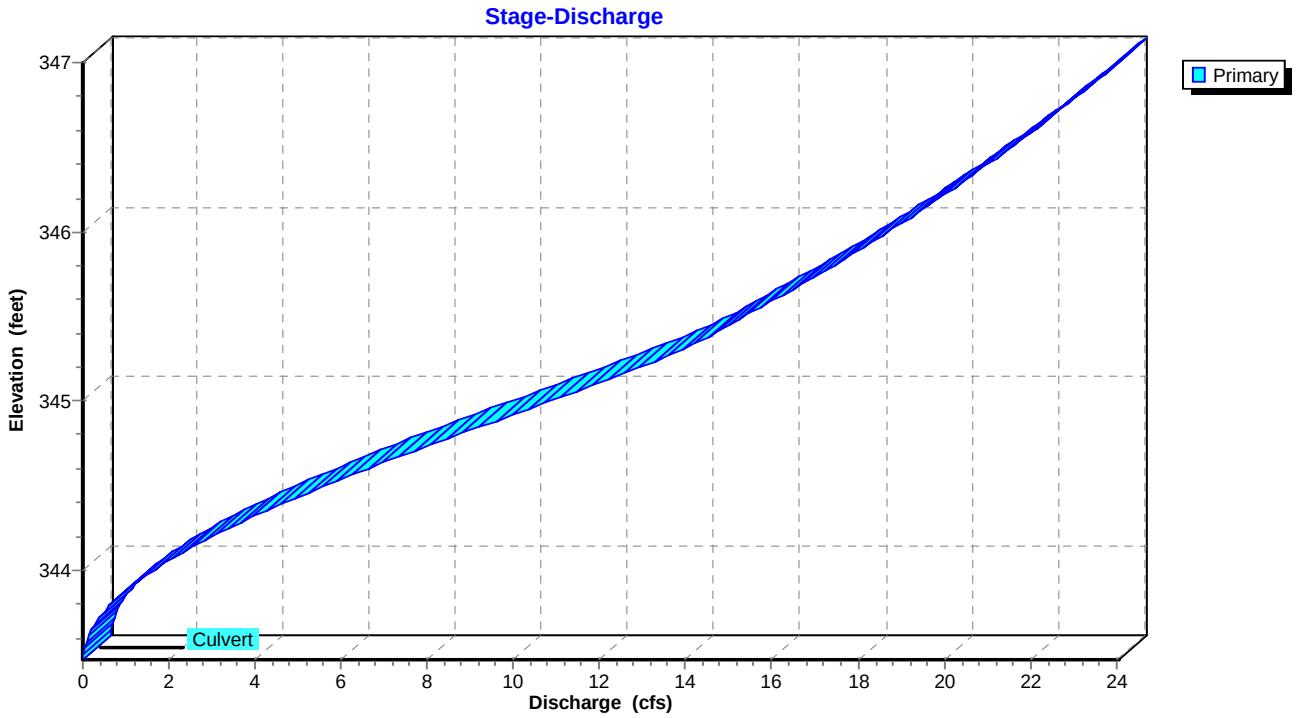
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.52 cfs @ 12.30 hrs HW=344.78' TW=342.97' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.52 cfs @ 3.90 fps)

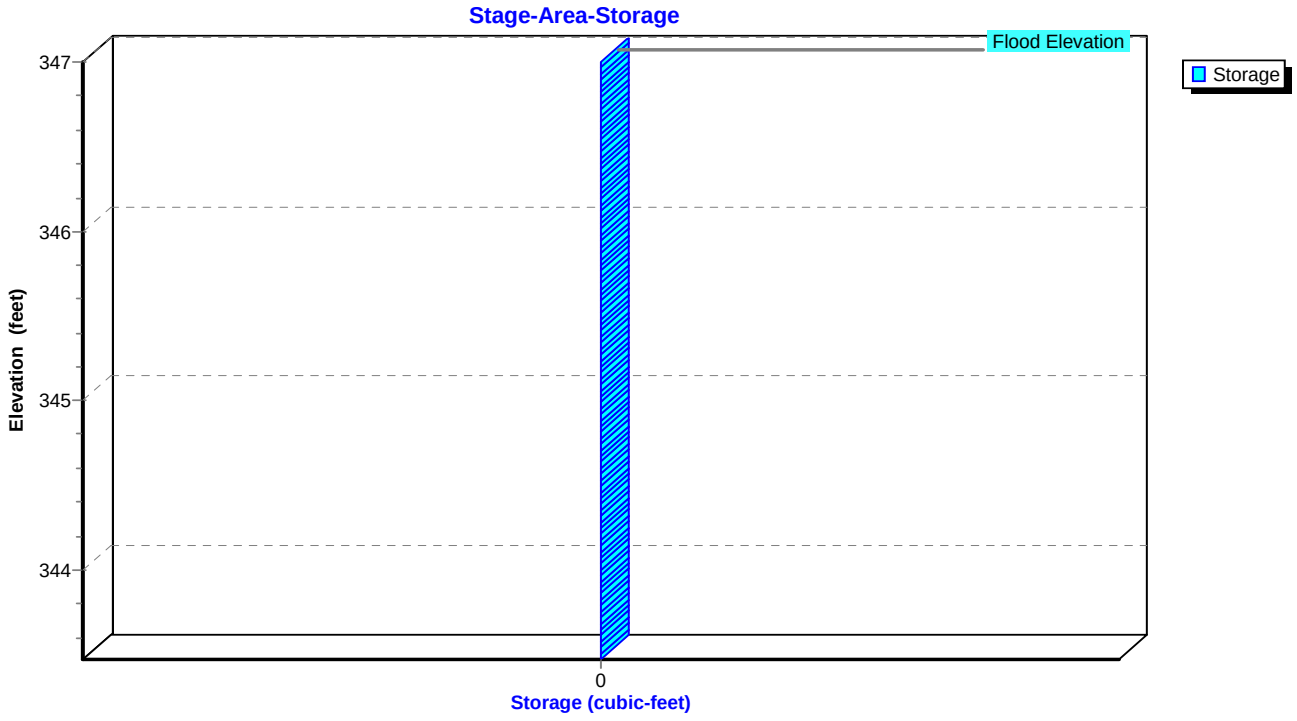
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.47	0.00
7.50	0.00	343.49	0.00
8.00	0.02	343.52	0.02
8.50	0.04	343.55	0.04
9.00	0.09	343.59	0.09
9.50	0.15	343.62	0.15
10.00	0.22	343.66	0.22
10.50	0.33	343.70	0.33
11.00	0.48	343.75	0.48
11.50	0.78	343.83	0.78
12.00	**3.10**	**344.21**	**3.10**
12.50	**6.58**	**344.60**	**6.58**
13.00	2.00	344.06	2.00
13.50	1.17	343.91	1.17
14.00	0.95	343.87	0.95
14.50	0.79	343.83	0.79
15.00	0.70	343.81	0.70
15.50	0.60	343.78	0.60
16.00	0.51	343.76	0.51
16.50	0.43	343.73	0.43
17.00	0.39	343.72	0.39
17.50	0.35	343.71	0.35
18.00	0.30	343.69	0.30
18.50	0.27	343.68	0.27
19.00	0.26	343.67	0.26
19.50	0.25	343.67	0.25
20.00	0.23	343.66	0.23
20.50	0.22	343.66	0.22
21.00	0.21	343.65	0.21
21.50	0.20	343.65	0.20
22.00	0.19	343.65	0.19
22.50	0.18	343.64	0.18
23.00	0.17	343.64	0.17
23.50	0.16	343.63	0.16
24.00	0.16	343.63	0.16

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

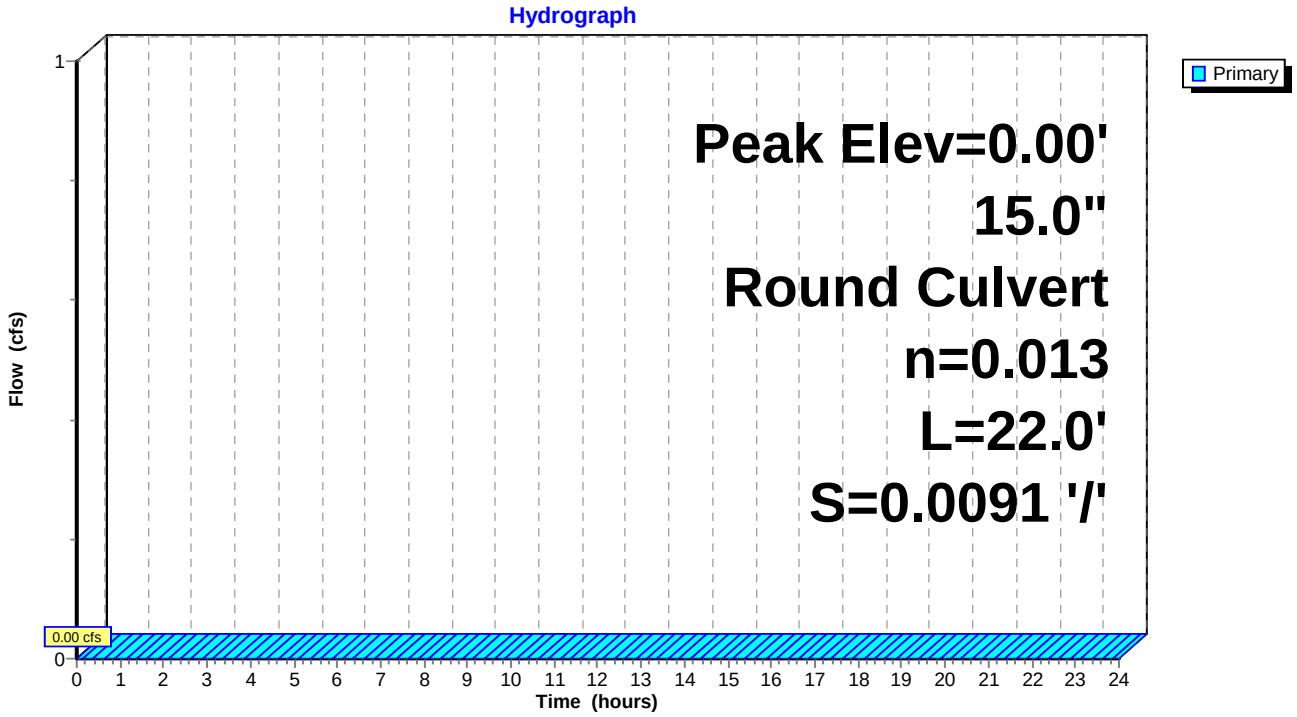
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

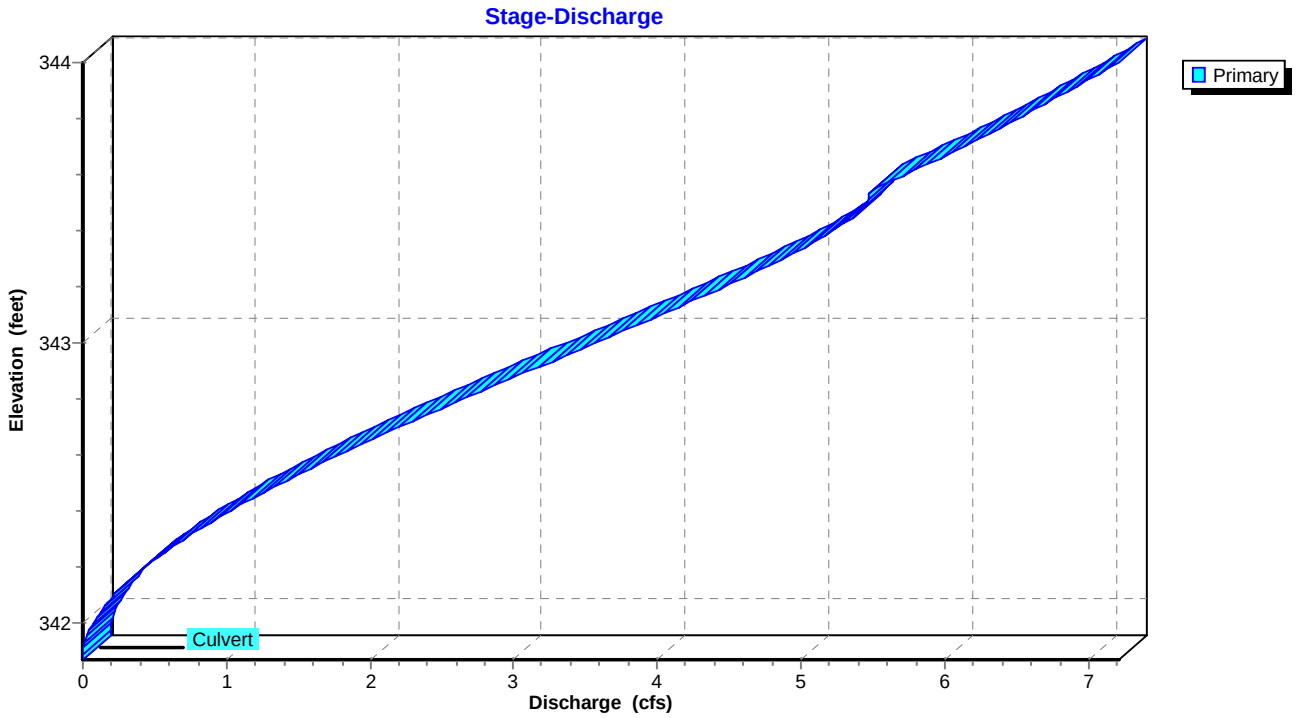
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

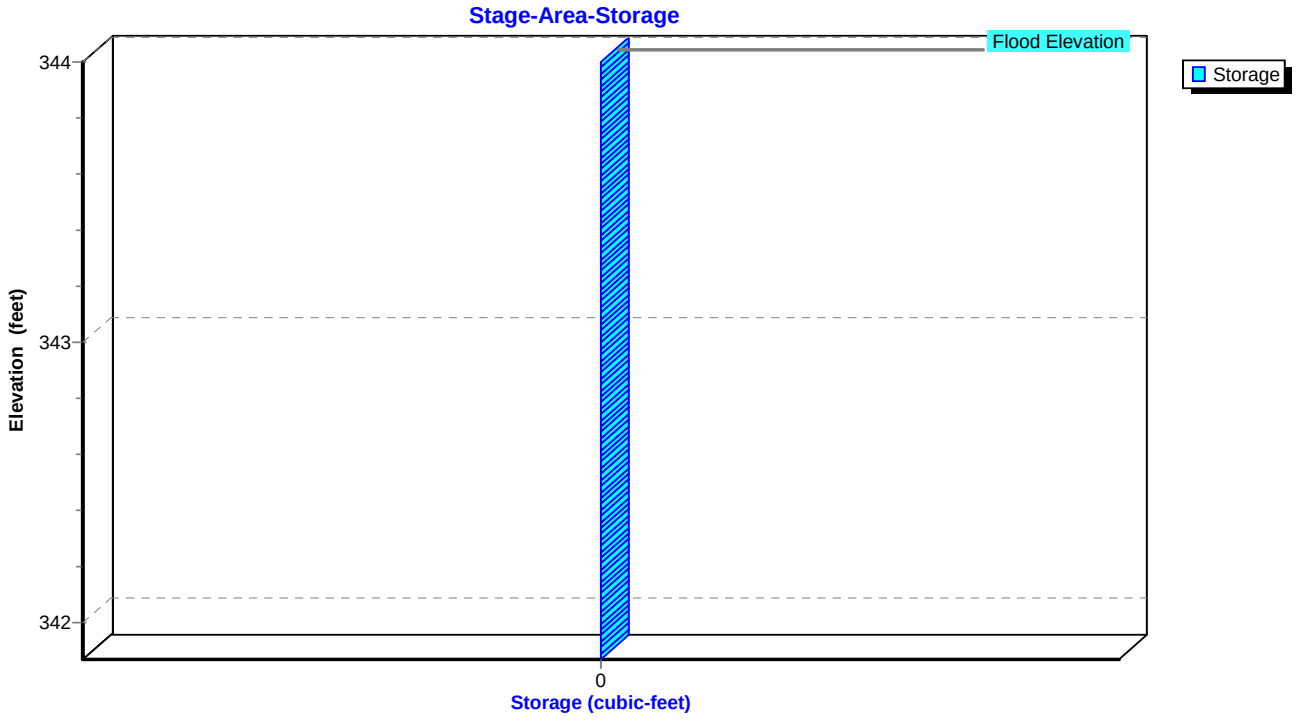
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

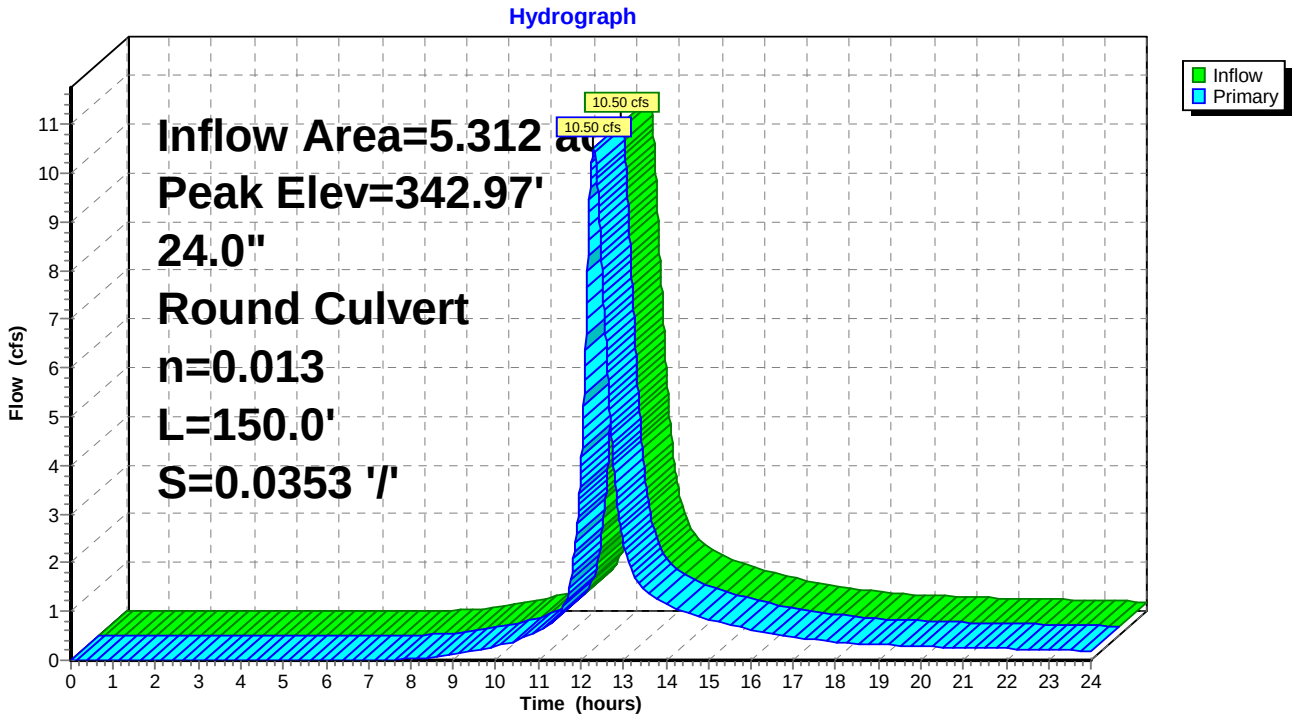
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 2.65" for 5-Year event
Inflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af
Outflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af, Atten= 0%, Lag= 0.0 min
Primary = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.97' @ 12.30 hrs
Flood Elev= 345.00'

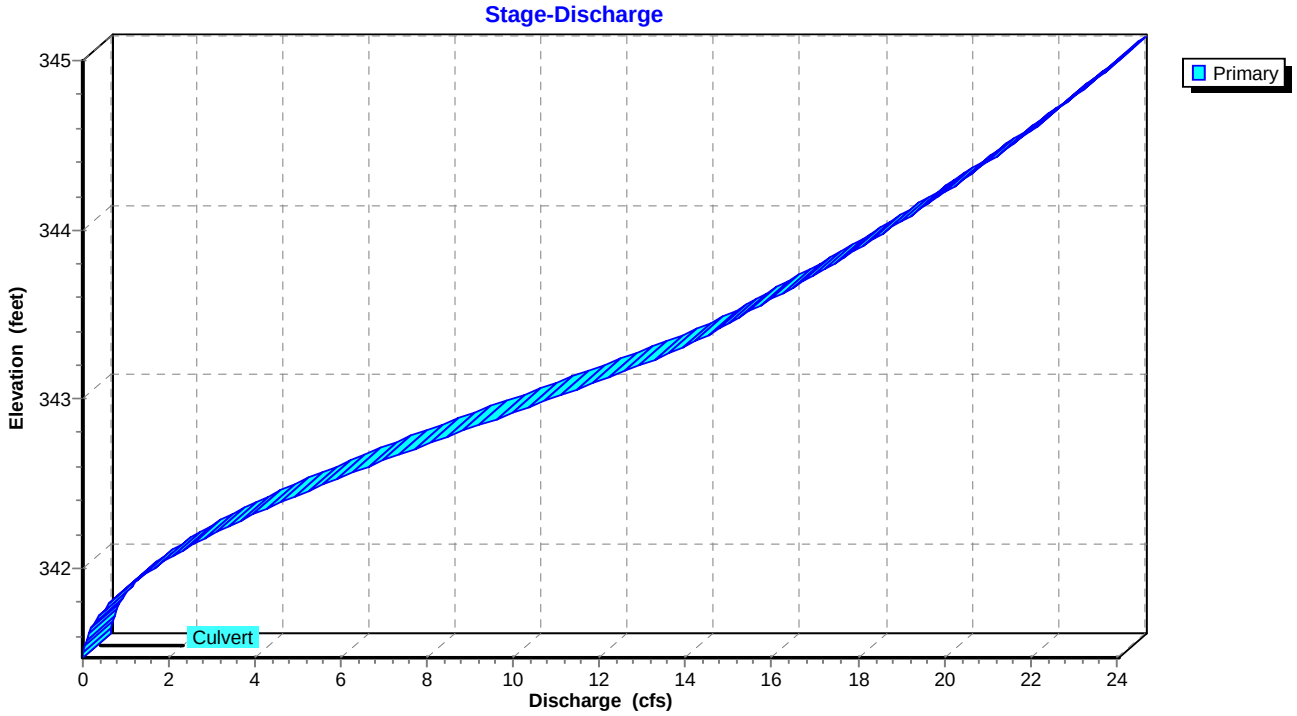
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.50 cfs @ 12.30 hrs HW=342.97' TW=336.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 10.50 cfs @ 4.17 fps)

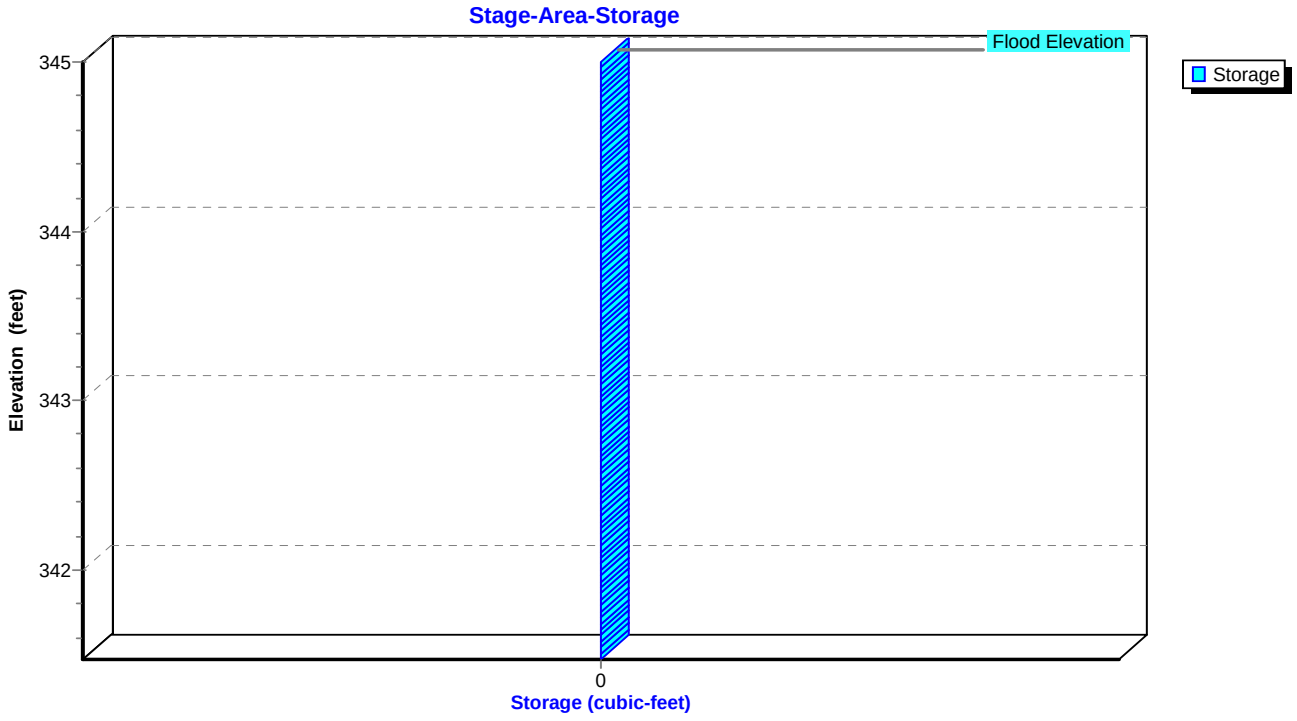
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.00	341.48	0.00
7.50	0.01	341.50	0.01
8.00	0.02	341.53	0.02
8.50	0.06	341.57	0.06
9.00	0.12	341.61	0.12
9.50	0.19	341.64	0.19
10.00	0.28	341.68	0.28
10.50	0.41	341.73	0.41
11.00	0.60	341.78	0.60
11.50	0.98	341.87	0.98
12.00	**3.84**	**342.30**	**3.84**
12.50	**8.02**	**342.74**	**8.02**
13.00	2.42	342.12	2.42
13.50	1.42	341.96	1.42
14.00	1.15	341.91	1.15
14.50	0.96	341.87	0.96
15.00	0.85	341.84	0.85
15.50	0.73	341.82	0.73
16.00	0.62	341.79	0.62
16.50	0.53	341.76	0.53
17.00	0.47	341.75	0.47
17.50	0.42	341.73	0.42
18.00	0.37	341.71	0.37
18.50	0.33	341.70	0.33
19.00	0.31	341.70	0.31
19.50	0.30	341.69	0.30
20.00	0.28	341.68	0.28
20.50	0.27	341.68	0.27
21.00	0.26	341.67	0.26
21.50	0.25	341.67	0.25
22.00	0.24	341.66	0.24
22.50	0.22	341.66	0.22
23.00	0.21	341.65	0.21
23.50	0.20	341.65	0.20
24.00	0.19	341.64	0.19

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0

Elevation (feet)	Storage (cubic-feet)
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

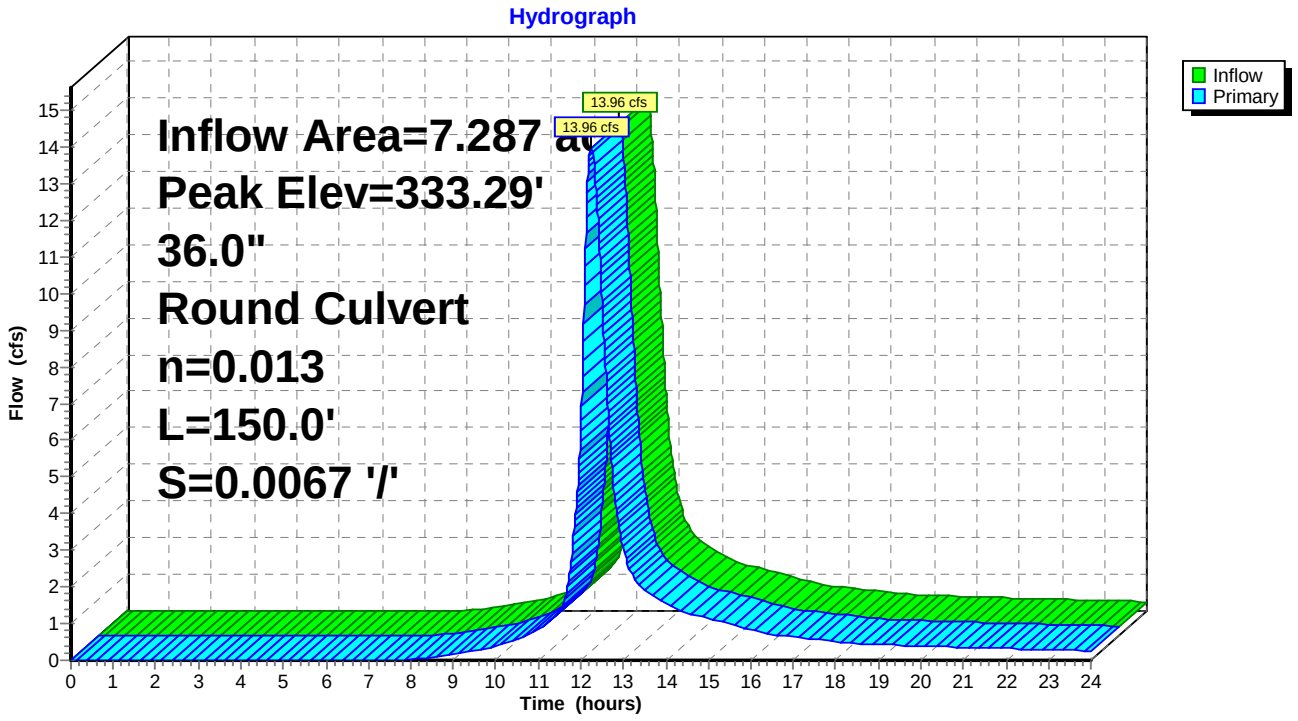
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.29' @ 12.25 hrs
Flood Elev= 337.75'

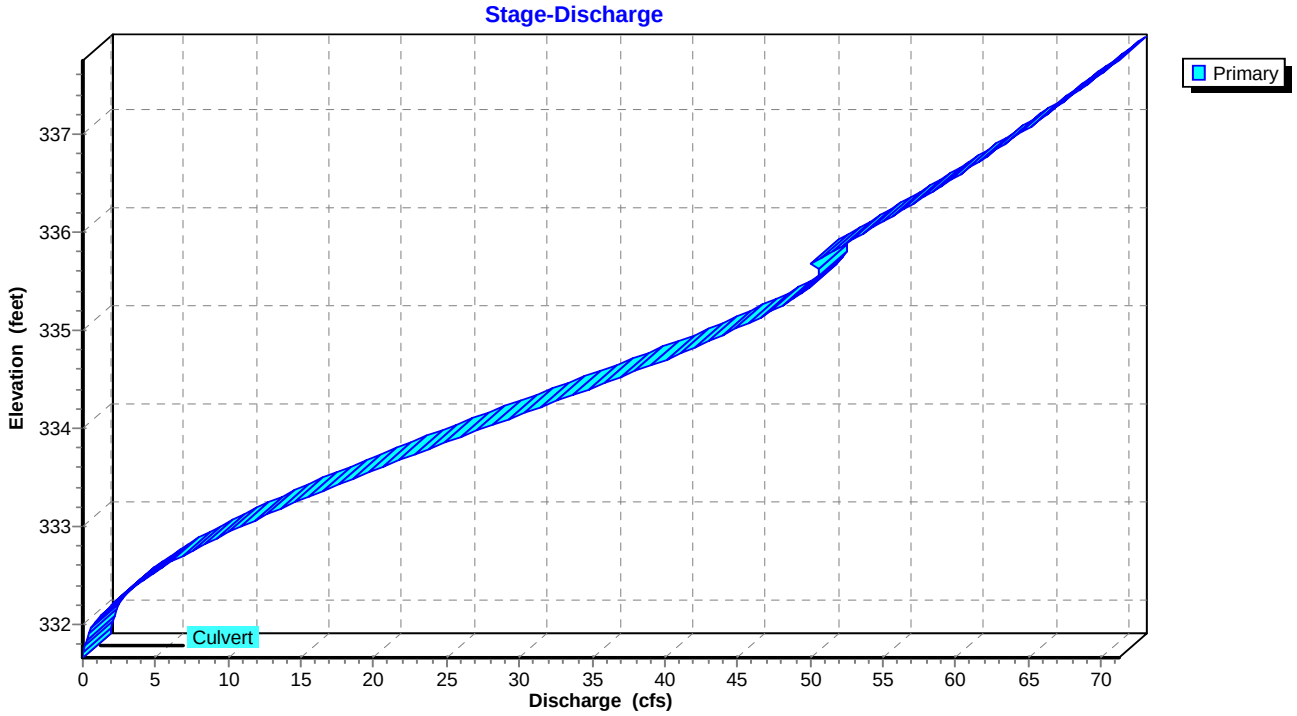
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.96 cfs @ 12.25 hrs HW=333.29' TW=332.09' (Dynamic Tailwater)
1=Culvert (Outlet Controls 13.96 cfs @ 5.22 fps)

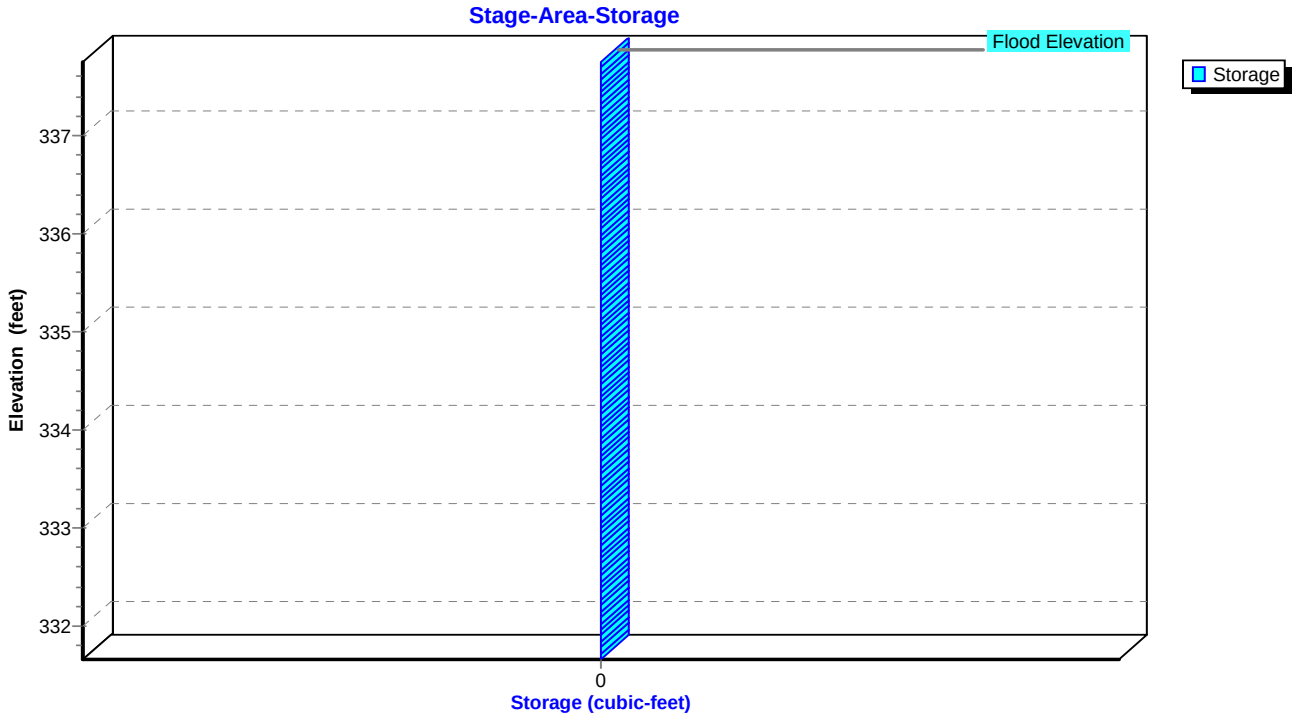
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.67	0.00
7.00	0.00	331.68	0.00
7.50	0.01	331.71	0.01
8.00	0.03	331.74	0.03
8.50	0.08	331.79	0.08
9.00	0.16	331.83	0.16
9.50	0.26	331.87	0.26
10.00	0.39	331.91	0.39
10.50	0.57	331.96	0.57
11.00	0.83	332.02	0.83
11.50	1.39	332.12	1.39
12.00	**6.26**	**332.67**	**6.26**
12.50	**9.81**	**332.97**	**9.81**
13.00	3.05	332.34	3.05
13.50	1.89	332.20	1.89
14.00	1.54	332.15	1.54
14.50	1.30	332.11	1.30
15.00	1.14	332.08	1.14
15.50	0.98	332.05	0.98
16.00	0.83	332.02	0.83
16.50	0.71	332.00	0.71
17.00	0.64	331.98	0.64
17.50	0.57	331.96	0.57
18.00	0.50	331.94	0.50
18.50	0.45	331.93	0.45
19.00	0.43	331.93	0.43
19.50	0.41	331.92	0.41
20.00	0.39	331.91	0.39
20.50	0.37	331.91	0.37
21.00	0.35	331.90	0.35
21.50	0.34	331.90	0.34
22.00	0.32	331.89	0.32
22.50	0.30	331.89	0.30
23.00	0.29	331.88	0.29
23.50	0.27	331.88	0.27
24.00	0.26	331.87	0.26

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

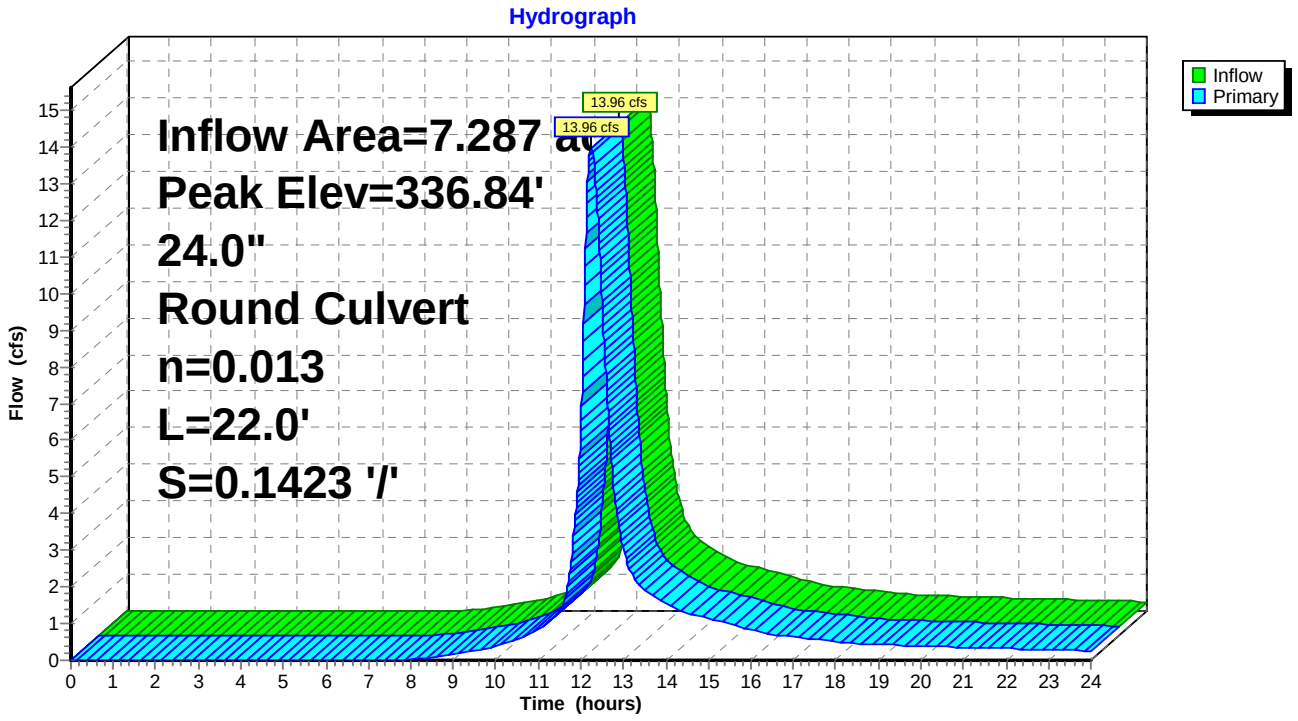
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.84' @ 12.25 hrs
Flood Elev= 339.50'

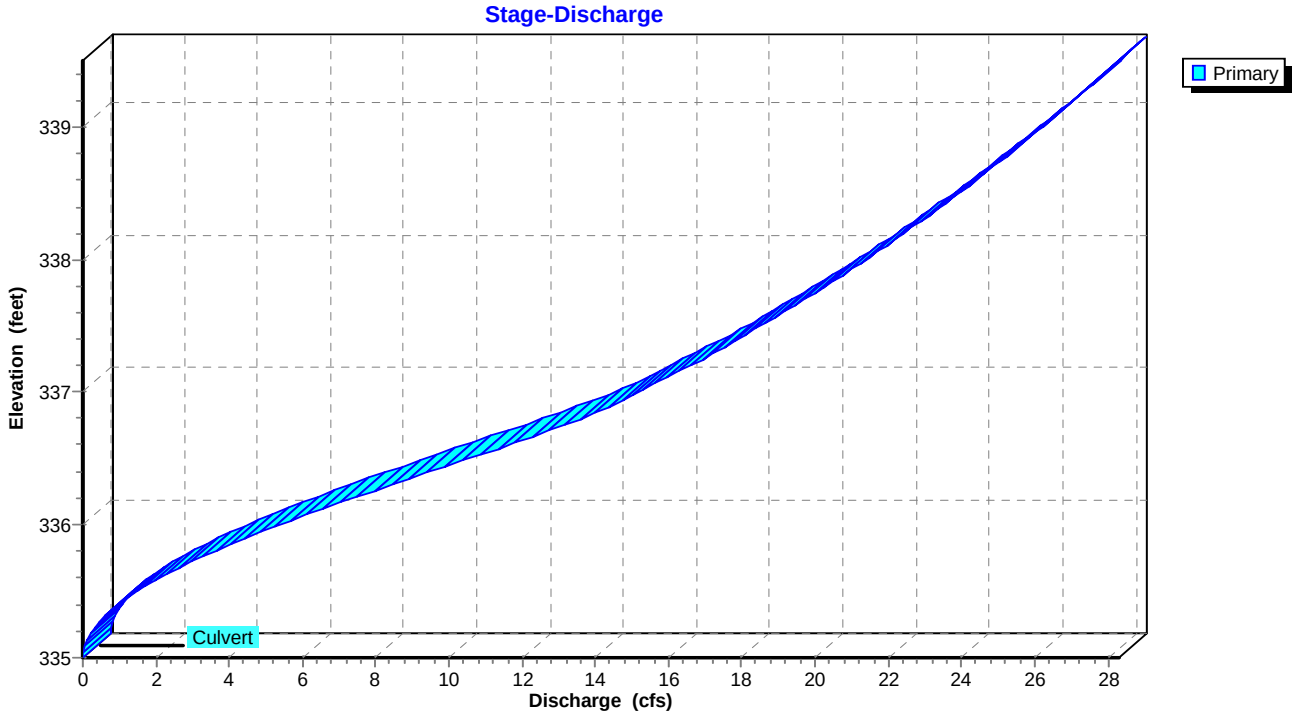
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.95 cfs @ 12.25 hrs HW=336.84' TW=333.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.95 cfs @ 4.62 fps)

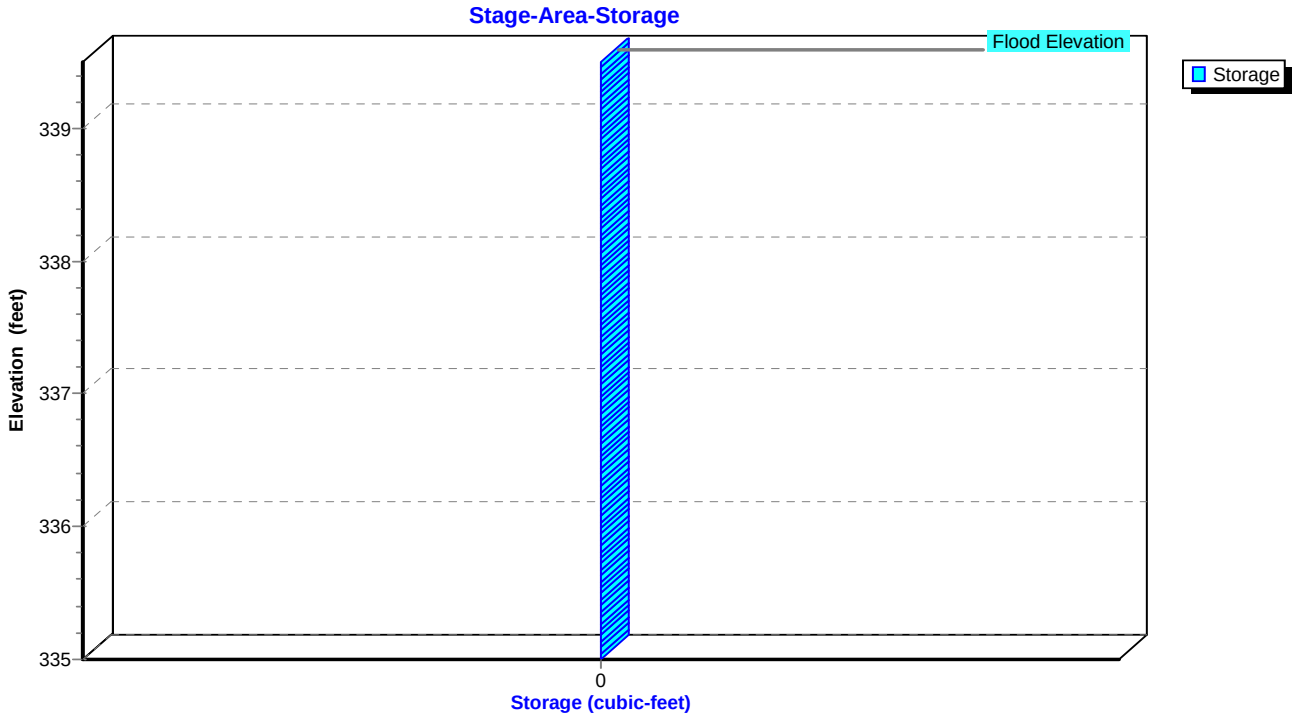
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.00	335.01	0.00
7.50	0.01	335.03	0.01
8.00	0.03	335.07	0.03
8.50	0.08	335.11	0.08
9.00	0.16	335.16	0.16
9.50	0.26	335.20	0.26
10.00	0.39	335.25	0.39
10.50	0.57	335.30	0.57
11.00	0.83	335.37	0.83
11.50	1.39	335.48	1.39
12.00	**6.26**	**336.09**	**6.26**
12.50	**9.81**	**336.43**	**9.81**
13.00	3.05	335.73	3.05
13.50	1.89	335.57	1.89
14.00	1.54	335.51	1.54
14.50	1.30	335.47	1.30
15.00	1.14	335.44	1.14
15.50	0.98	335.40	0.98
16.00	0.83	335.37	0.83
16.50	0.71	335.34	0.71
17.00	0.64	335.32	0.64
17.50	0.57	335.30	0.57
18.00	0.50	335.28	0.50
18.50	0.45	335.27	0.45
19.00	0.43	335.26	0.43
19.50	0.41	335.26	0.41
20.00	0.39	335.25	0.39
20.50	0.37	335.24	0.37
21.00	0.35	335.24	0.35
21.50	0.34	335.23	0.34
22.00	0.32	335.23	0.32
22.50	0.30	335.22	0.30
23.00	0.29	335.22	0.29
23.50	0.27	335.21	0.27
24.00	0.26	335.20	0.26

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

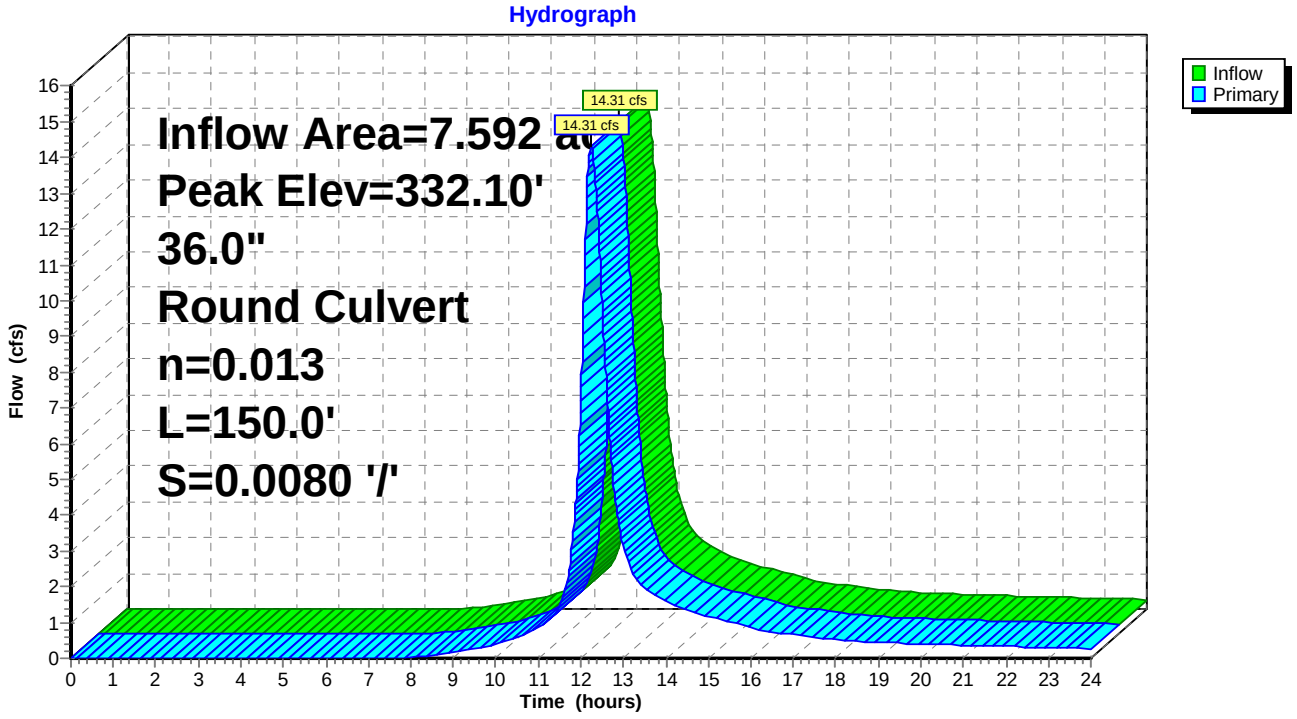
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 2.61" for 5-Year event
Inflow = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af
Outflow = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af, Atten= 0%, Lag= 0.0 min
Primary = 14.31 cfs @ 12.24 hrs, Volume= 1.653 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.10' @ 12.23 hrs
Flood Elev= 335.00'

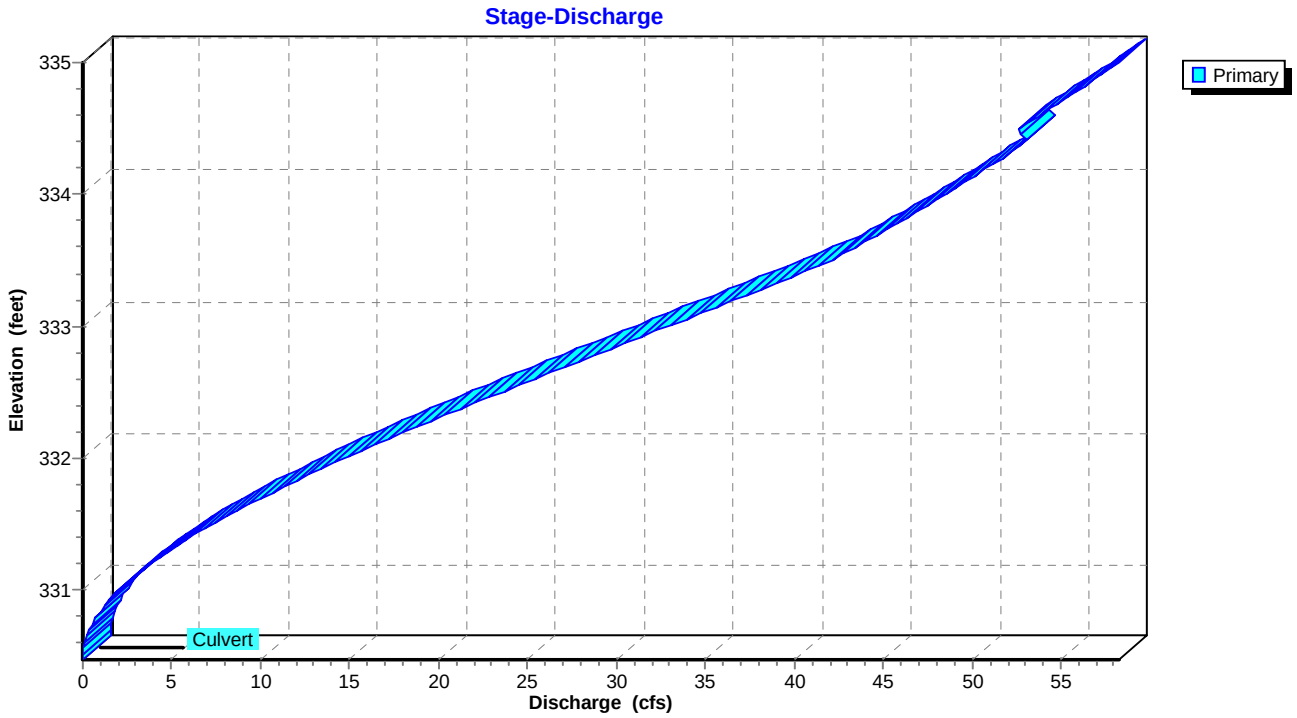
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.34 cfs @ 12.24 hrs HW=332.09' TW=330.85' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.34 cfs @ 5.32 fps)

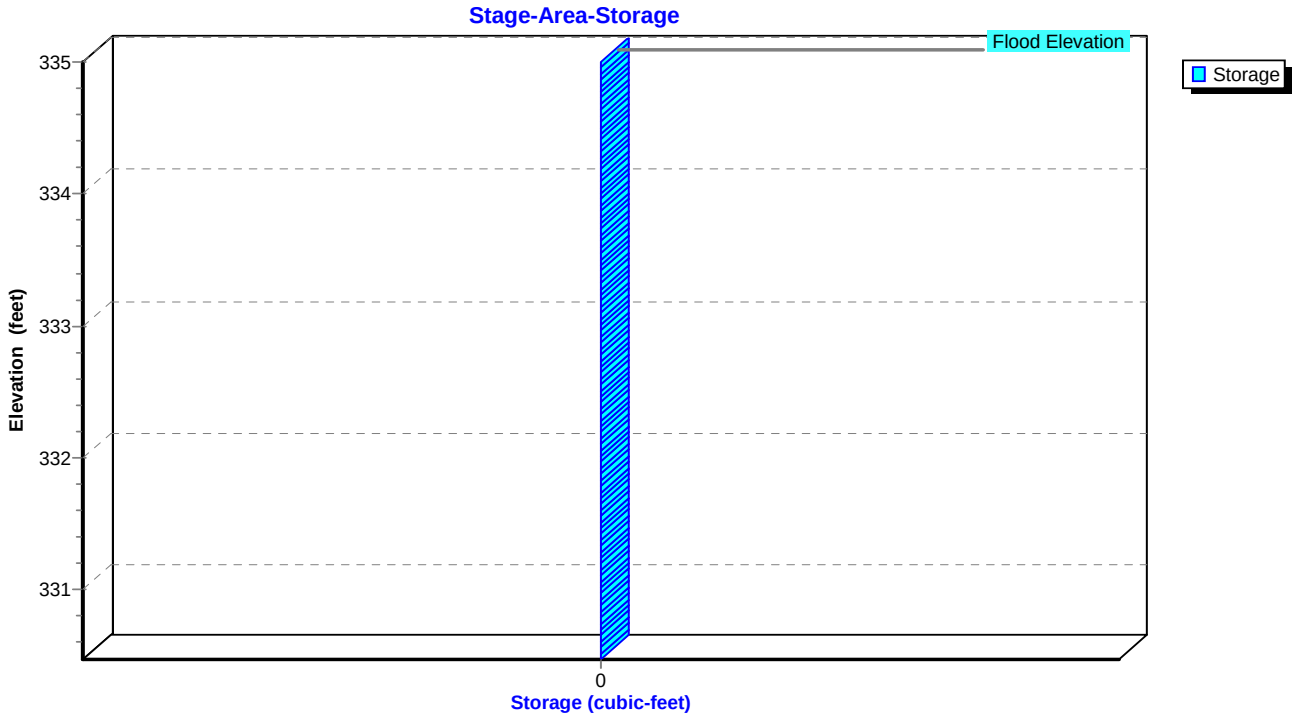
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.47	0.00
7.00	0.00	330.48	0.00
7.50	0.01	330.50	0.01
8.00	0.03	330.54	0.03
8.50	0.08	330.58	0.08
9.00	0.16	330.62	0.16
9.50	0.27	330.67	0.27
10.00	0.40	330.71	0.40
10.50	0.59	330.76	0.59
11.00	0.86	330.81	0.86
11.50	1.46	330.92	1.46
12.00	**7.20**	**331.52**	**7.20**
12.50	**9.95**	**331.75**	**9.95**
13.00	3.13	331.13	3.13
13.50	1.96	330.99	1.96
14.00	1.59	330.94	1.59
14.50	1.34	330.90	1.34
15.00	1.18	330.87	1.18
15.50	1.02	330.84	1.02
16.00	0.86	330.81	0.86
16.50	0.74	330.79	0.74
17.00	0.66	330.77	0.66
17.50	0.59	330.76	0.59
18.00	0.52	330.74	0.52
18.50	0.47	330.73	0.47
19.00	0.44	330.72	0.44
19.50	0.42	330.71	0.42
20.00	0.40	330.71	0.40
20.50	0.38	330.70	0.38
21.00	0.36	330.70	0.36
21.50	0.35	330.69	0.35
22.00	0.33	330.69	0.33
22.50	0.32	330.68	0.32
23.00	0.30	330.68	0.30
23.50	0.28	330.67	0.28
24.00	0.27	330.67	0.27

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

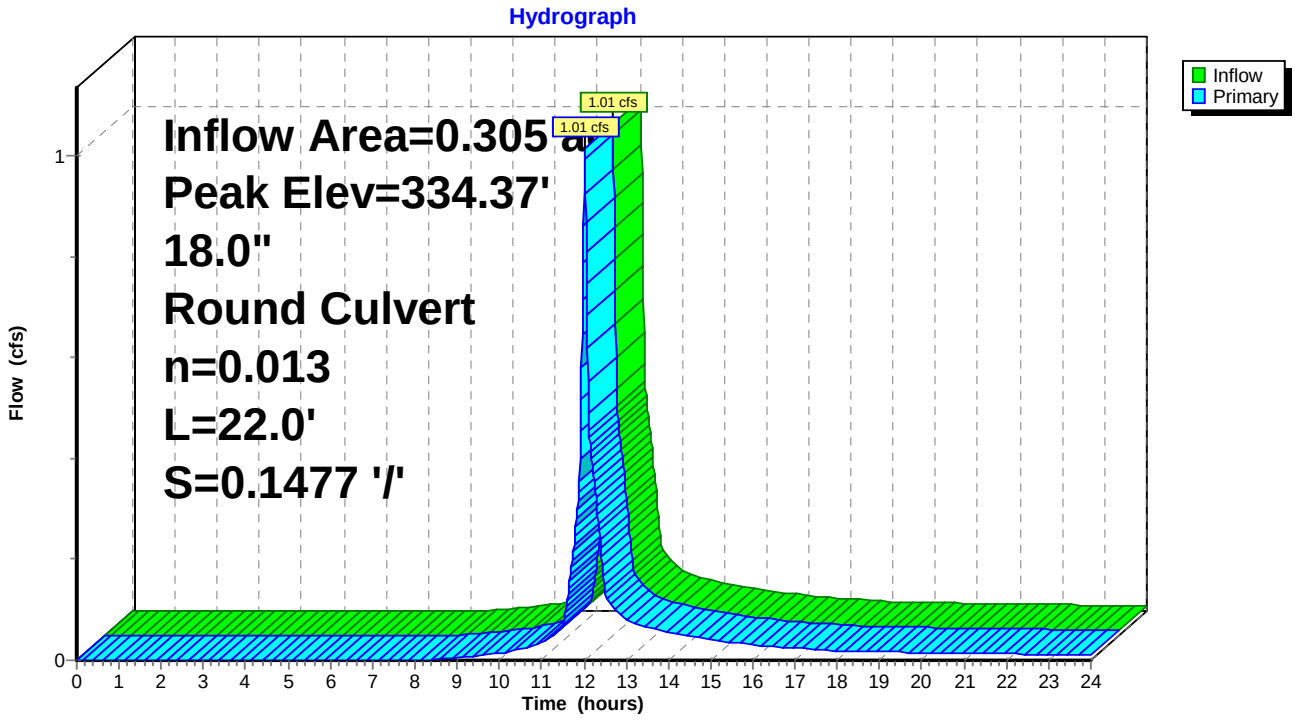
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.38" for 5-Year event
Inflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af
Outflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.37' @ 12.02 hrs
Flood Elev= 336.50'

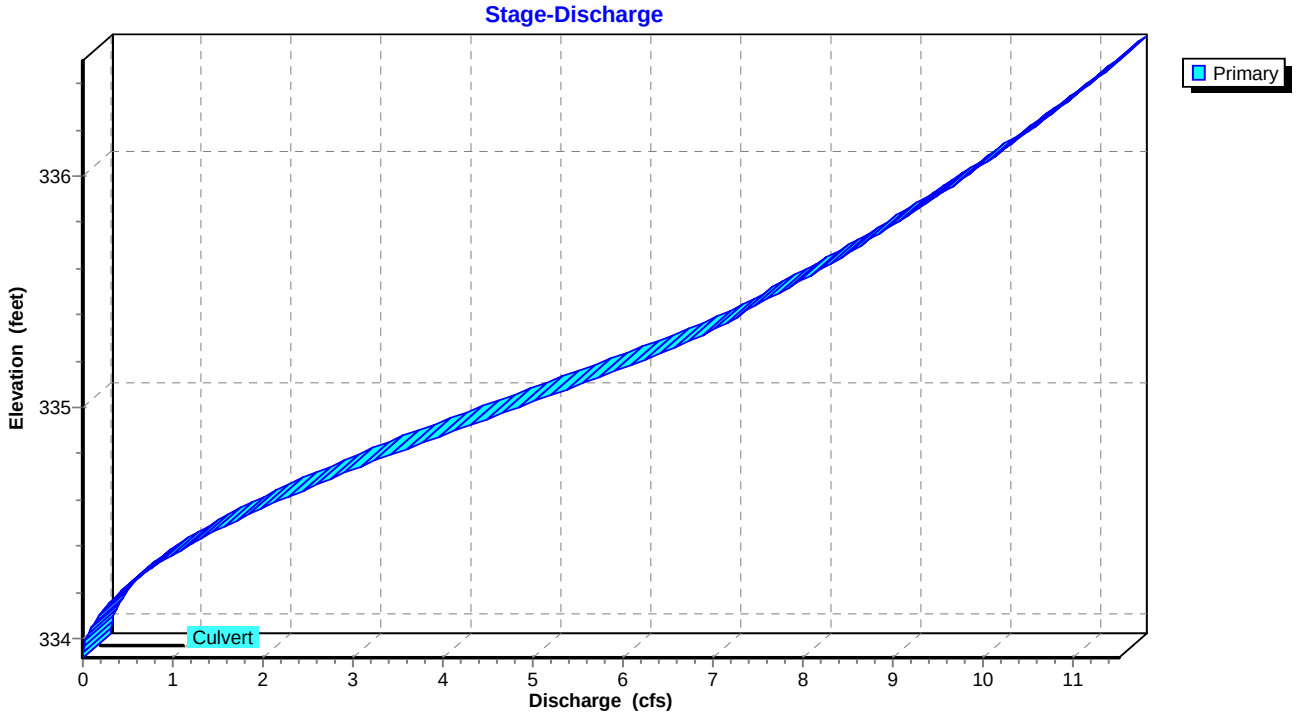
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.01 cfs @ 12.02 hrs HW=334.37' TW=331.57' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.01 cfs @ 2.28 fps)

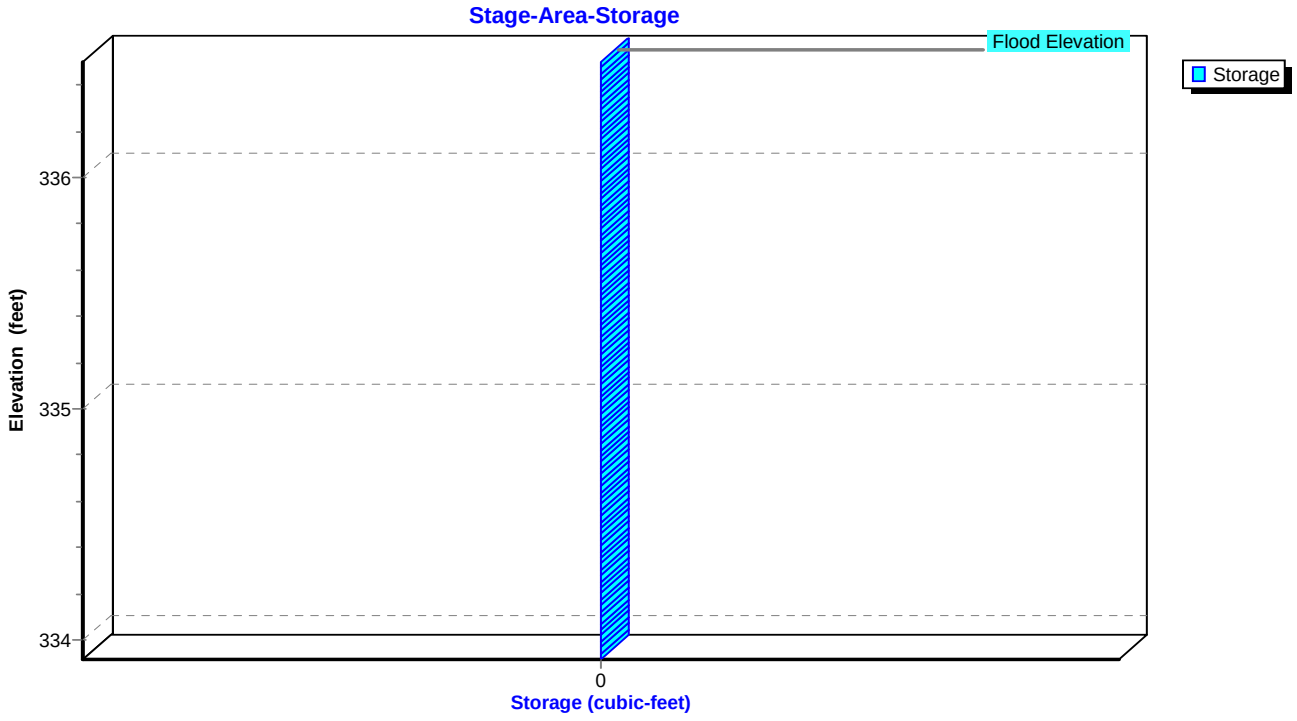
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.94	0.00
9.00	0.00	333.95	0.00
9.50	0.01	333.96	0.01
10.00	0.01	333.97	0.01
10.50	0.02	333.98	0.02
11.00	0.03	334.00	0.03
11.50	0.07	334.03	0.07
12.00	**0.93**	**334.35**	**0.93**
12.50	**0.14**	**334.08**	**0.14**
13.00	0.08	334.04	0.08
13.50	0.07	334.03	0.07
14.00	0.05	334.02	0.05
14.50	0.05	334.01	0.05
15.00	0.04	334.01	0.04
15.50	0.04	334.00	0.04
16.00	0.03	333.99	0.03
16.50	0.03	333.99	0.03
17.00	0.02	333.99	0.02
17.50	0.02	333.98	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.97	0.02
19.50	0.02	333.97	0.02
20.00	0.01	333.97	0.01
20.50	0.01	333.97	0.01
21.00	0.01	333.97	0.01
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.96	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

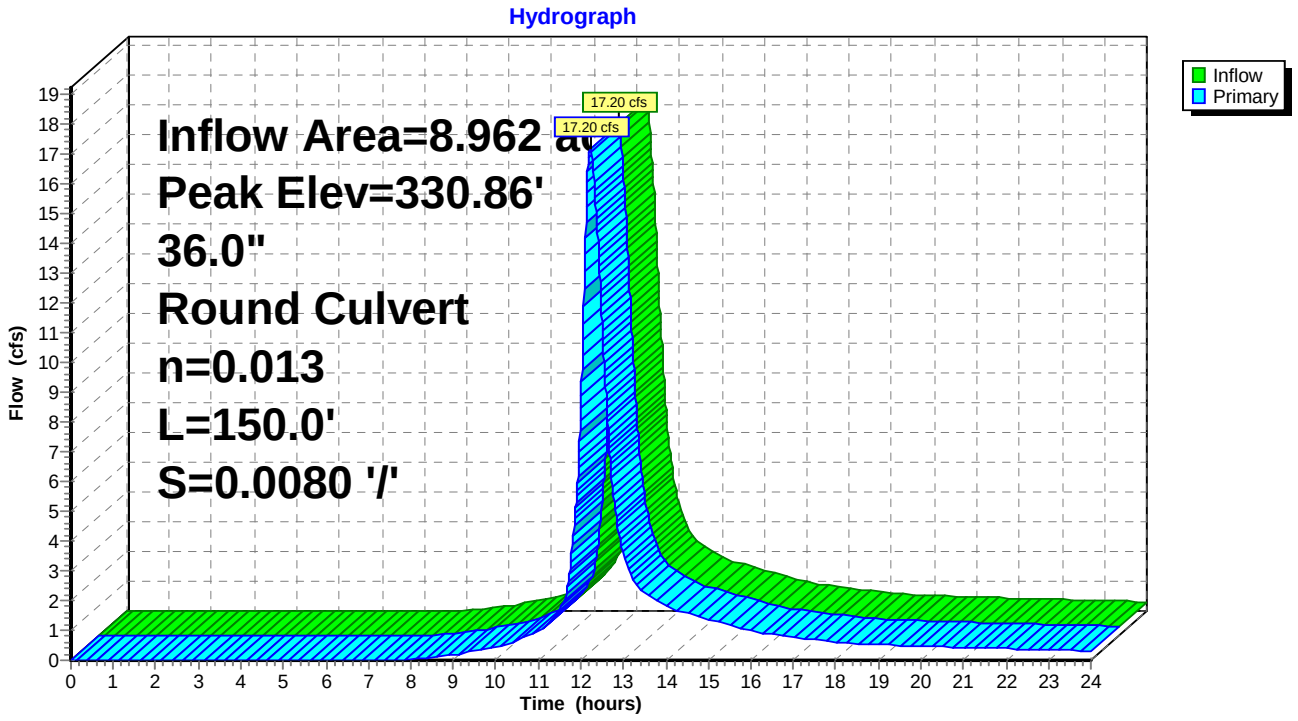
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 2.58" for 5-Year event
Inflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af
Outflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af, Atten= 0%, Lag= 0.0 min
Primary = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.86' @ 12.21 hrs
Flood Elev= 337.00'

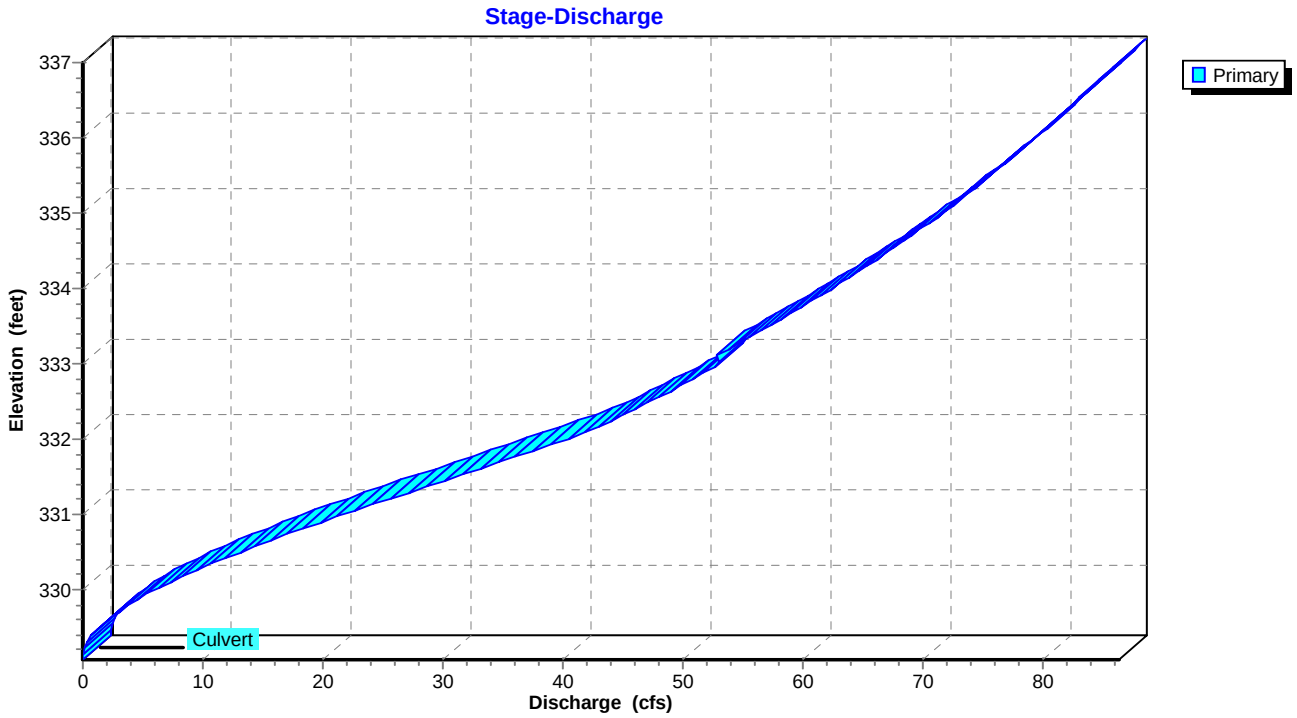
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.22 cfs @ 12.22 hrs HW=330.86' TW=329.55' (Dynamic Tailwater)
1=Culvert (Outlet Controls 17.22 cfs @ 5.61 fps)

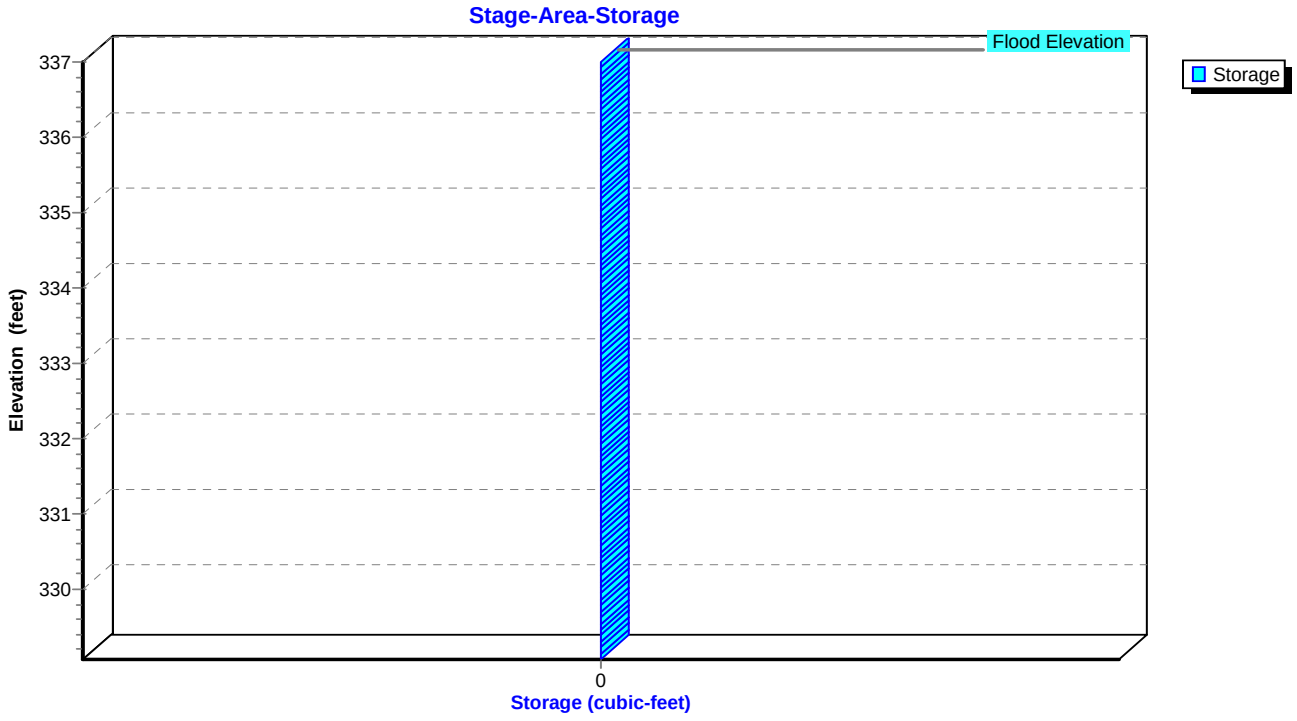
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.07	0.00
7.00	0.00	329.08	0.00
7.50	0.01	329.10	0.01
8.00	0.03	329.14	0.03
8.50	0.08	329.18	0.08
9.00	0.17	329.23	0.17
9.50	0.30	329.28	0.30
10.00	0.45	329.32	0.45
10.50	0.67	329.37	0.67
11.00	0.99	329.44	0.99
11.50	1.69	329.55	1.69
12.00	**8.47**	**330.22**	**8.47**
12.50	**11.34**	**330.44**	**11.34**
13.00	3.56	329.77	3.56
13.50	2.28	329.63	2.28
14.00	1.86	329.57	1.86
14.50	1.57	329.53	1.57
15.00	1.38	329.50	1.38
15.50	1.19	329.47	1.19
16.00	1.00	329.44	1.00
16.50	0.86	329.41	0.86
17.00	0.77	329.40	0.77
17.50	0.69	329.38	0.69
18.00	0.60	329.36	0.60
18.50	0.55	329.35	0.55
19.00	0.52	329.34	0.52
19.50	0.49	329.33	0.49
20.00	0.47	329.33	0.47
20.50	0.45	329.32	0.45
21.00	0.43	329.32	0.43
21.50	0.41	329.31	0.41
22.00	0.39	329.30	0.39
22.50	0.37	329.30	0.37
23.00	0.35	329.29	0.35
23.50	0.33	329.29	0.33
24.00	0.31	329.28	0.31

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

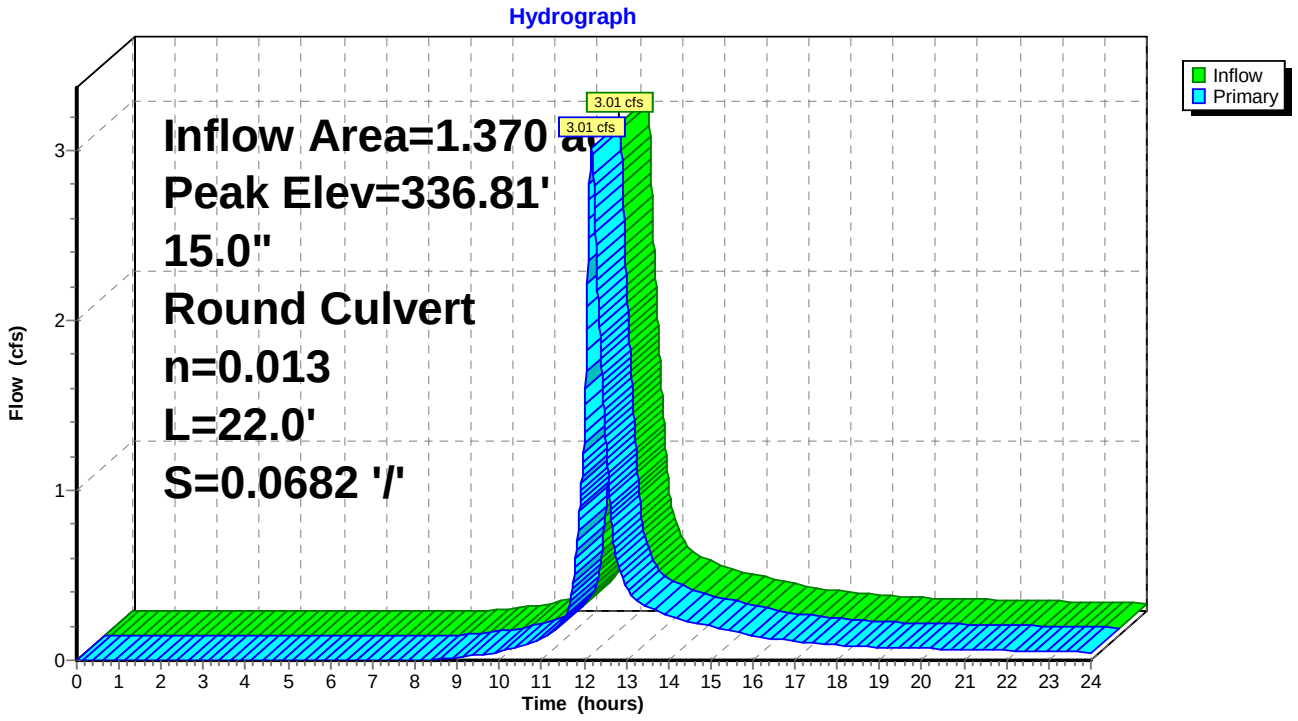
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af
Outflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.81' @ 12.19 hrs
Flood Elev= 338.50'

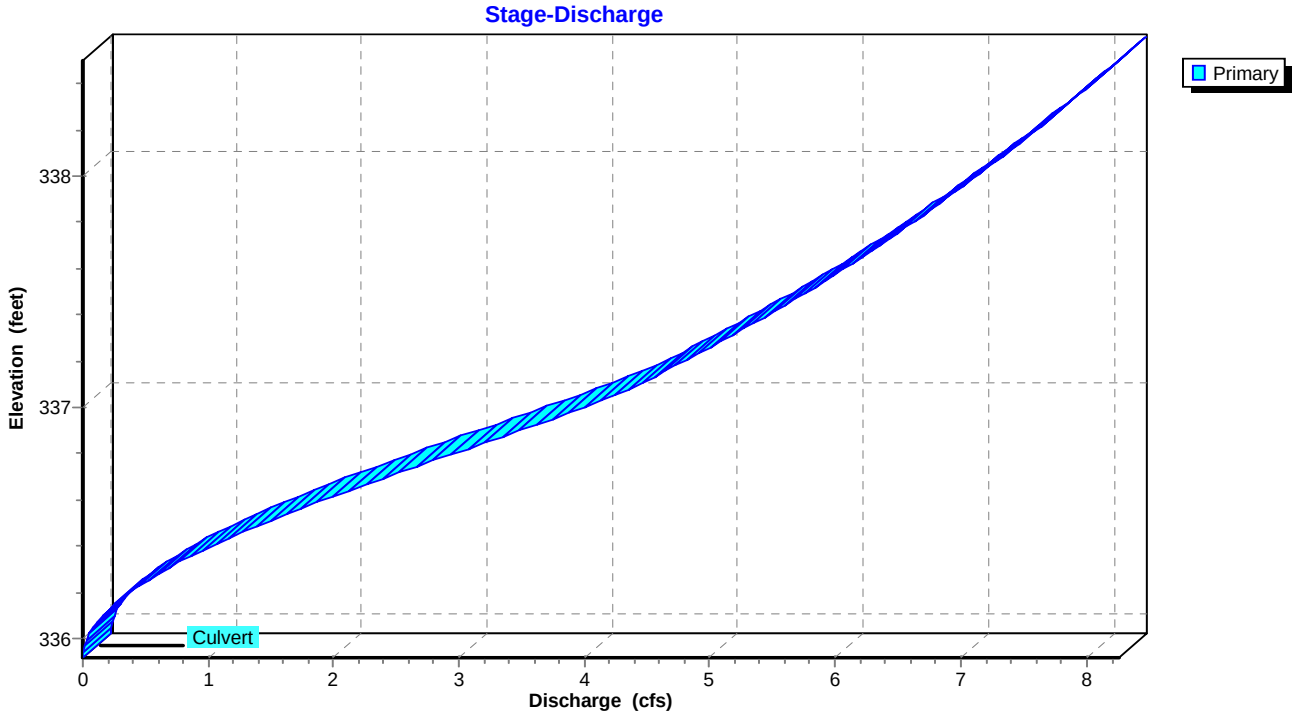
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.01 cfs @ 12.19 hrs HW=336.81' TW=330.85' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.01 cfs @ 3.21 fps)

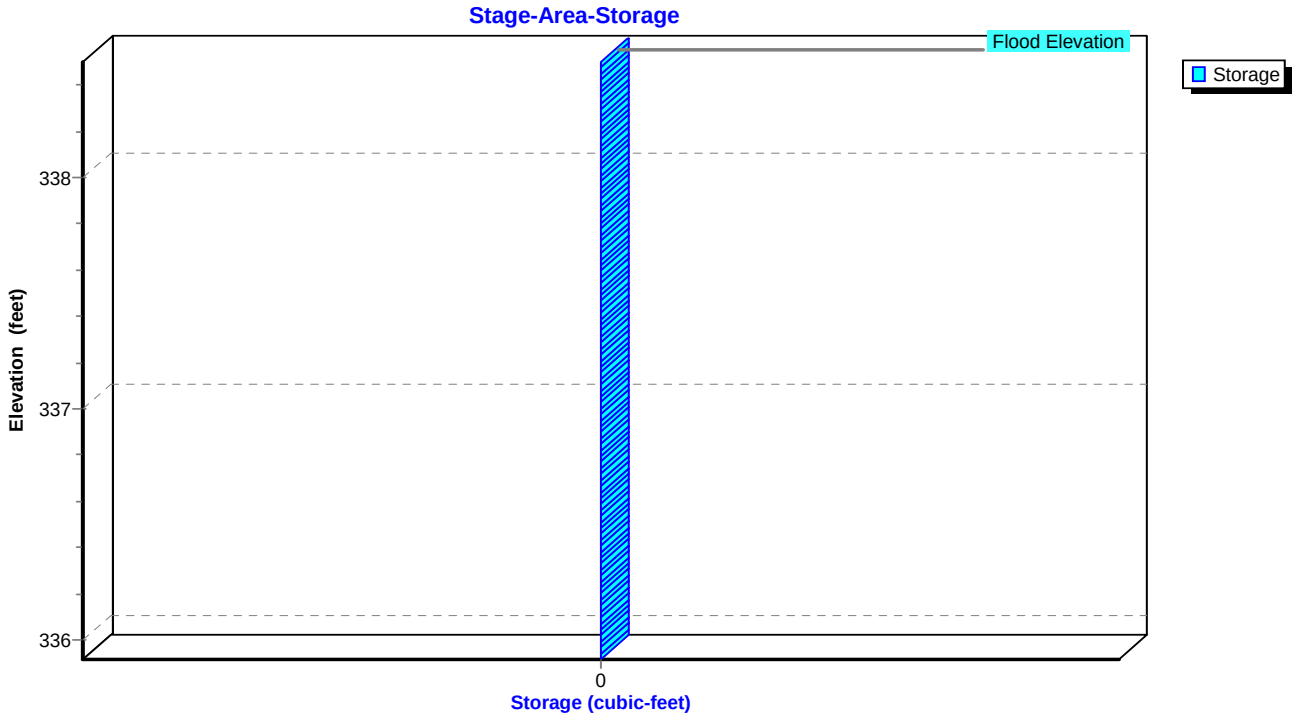
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.94	0.00
9.00	0.01	335.97	0.01
9.50	0.03	336.00	0.03
10.00	0.05	336.02	0.05
10.50	0.08	336.05	0.08
11.00	0.13	336.08	0.13
11.50	0.23	336.14	0.23
12.00	**1.28**	**336.46**	**1.28**
12.50	**1.39**	**336.49**	**1.39**
13.00	0.44	336.23	0.44
13.50	0.32	336.18	0.32
14.00	0.26	336.15	0.26
14.50	0.22	336.14	0.22
15.00	0.20	336.12	0.20
15.50	0.17	336.11	0.17
16.00	0.14	336.09	0.14
16.50	0.12	336.08	0.12
17.00	0.11	336.07	0.11
17.50	0.10	336.06	0.10
18.00	0.09	336.05	0.09
18.50	0.08	336.05	0.08
19.00	0.08	336.04	0.08
19.50	0.07	336.04	0.07
20.00	0.07	336.04	0.07
20.50	0.07	336.04	0.07
21.00	0.06	336.03	0.06
21.50	0.06	336.03	0.06
22.00	0.06	336.03	0.06
22.50	0.05	336.02	0.05
23.00	0.05	336.02	0.05
23.50	0.05	336.02	0.05
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

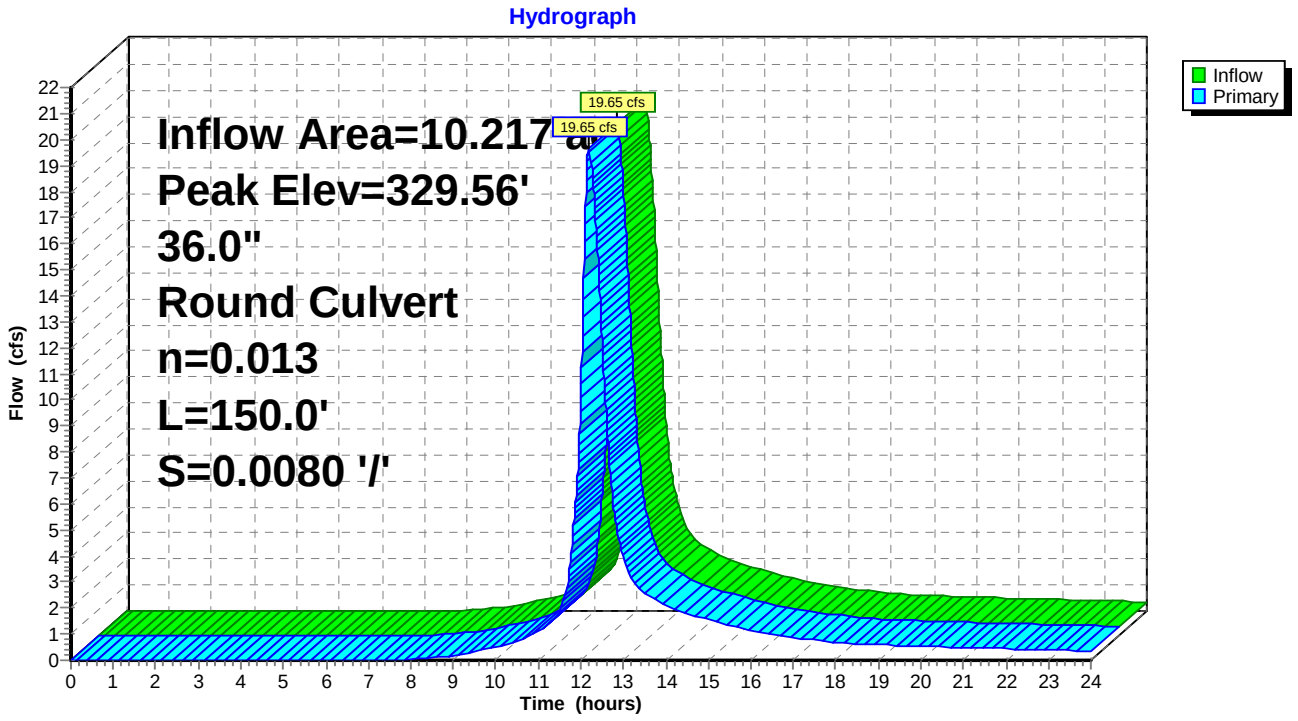
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af
Outflow = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af, Atten= 0%, Lag= 0.0 min
Primary = 19.65 cfs @ 12.19 hrs, Volume= 2.172 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.56' @ 12.19 hrs
Flood Elev= 335.75'

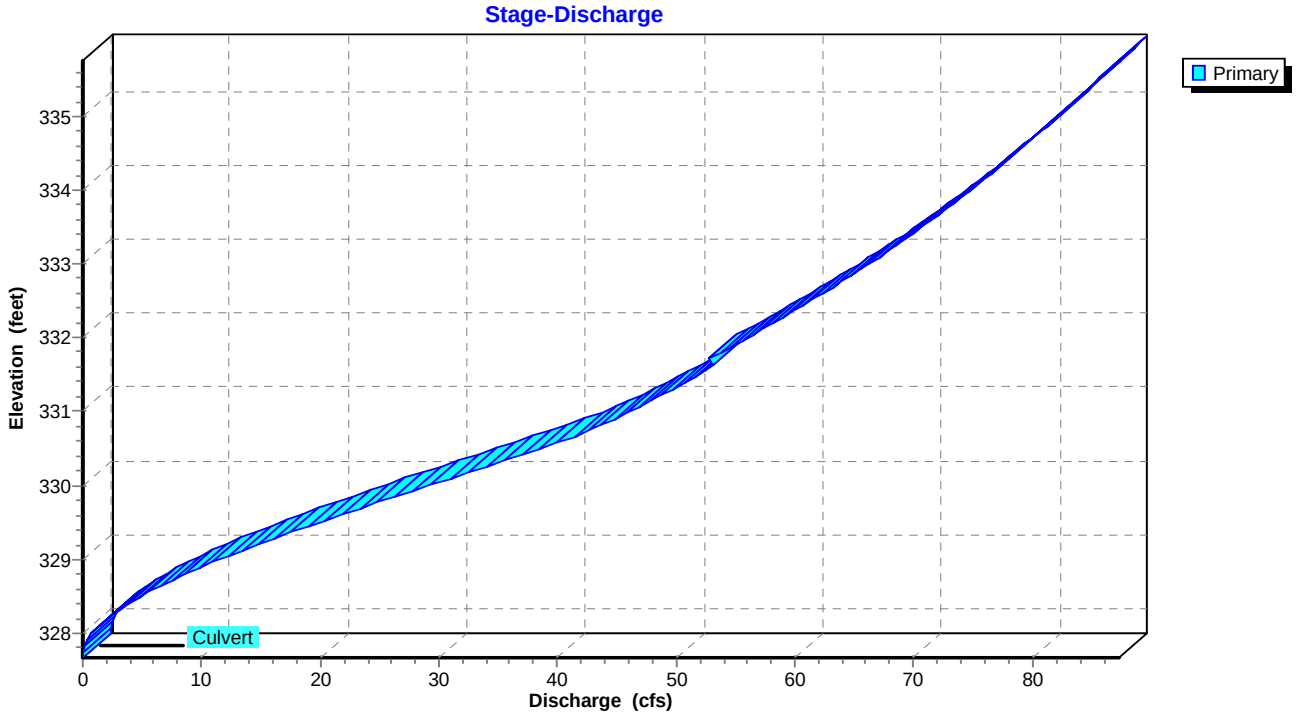
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.64 cfs @ 12.19 hrs HW=329.55' TW=328.08' (Dynamic Tailwater)
1=Culvert (Outlet Controls 19.64 cfs @ 6.00 fps)

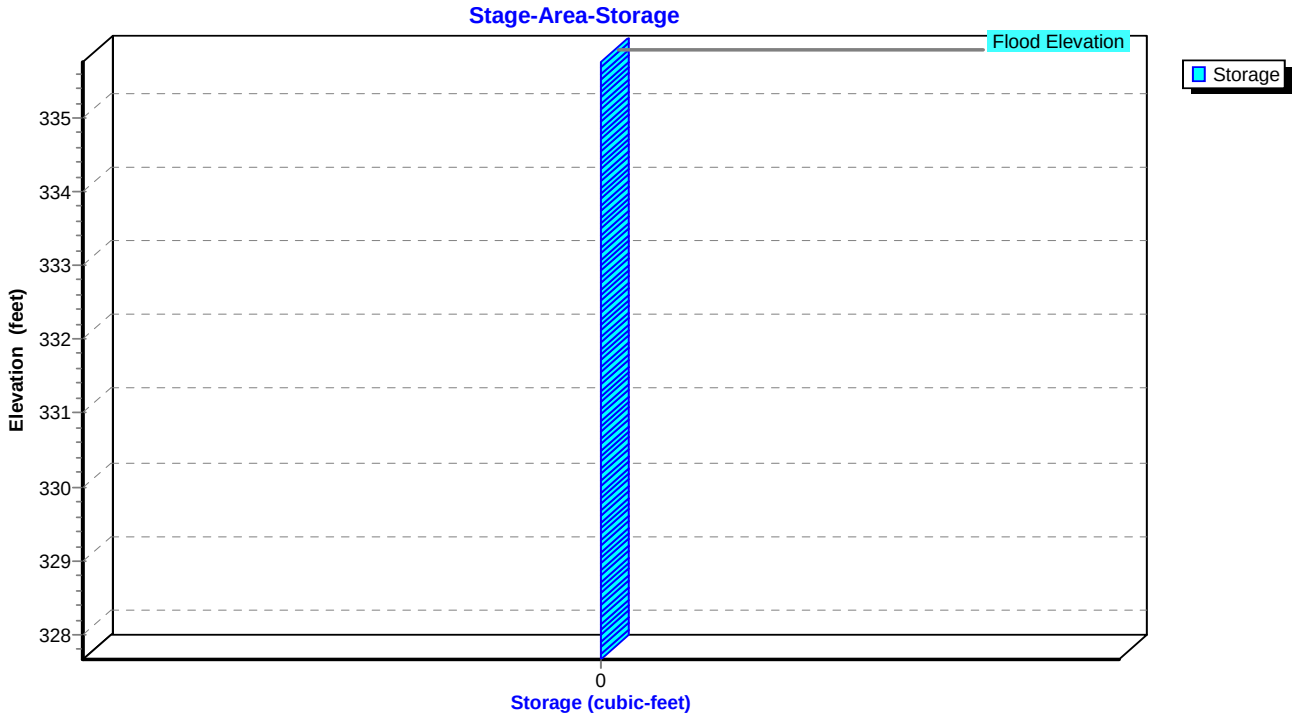
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.67	0.00
7.00	0.00	327.68	0.00
7.50	0.01	327.70	0.01
8.00	0.03	327.74	0.03
8.50	0.09	327.79	0.09
9.00	0.19	327.84	0.19
9.50	0.33	327.89	0.33
10.00	0.50	327.93	0.50
10.50	0.75	327.99	0.75
11.00	1.12	328.06	1.12
11.50	1.93	328.18	1.93
12.00	**10.07**	**328.93**	**10.07**
12.50	**12.32**	**329.08**	**12.32**
13.00	3.93	328.41	3.93
13.50	2.56	328.26	2.56
14.00	2.09	328.20	2.09
14.50	1.77	328.16	1.77
15.00	1.56	328.13	1.56
15.50	1.34	328.10	1.34
16.00	1.13	328.06	1.13
16.50	0.97	328.03	0.97
17.00	0.87	328.02	0.87
17.50	0.78	328.00	0.78
18.00	0.68	327.98	0.68
18.50	0.62	327.96	0.62
19.00	0.59	327.96	0.59
19.50	0.56	327.95	0.56
20.00	0.53	327.94	0.53
20.50	0.51	327.94	0.51
21.00	0.48	327.93	0.48
21.50	0.46	327.92	0.46
22.00	0.44	327.92	0.44
22.50	0.42	327.91	0.42
23.00	0.40	327.91	0.40
23.50	0.37	327.90	0.37
24.00	0.35	327.89	0.35

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

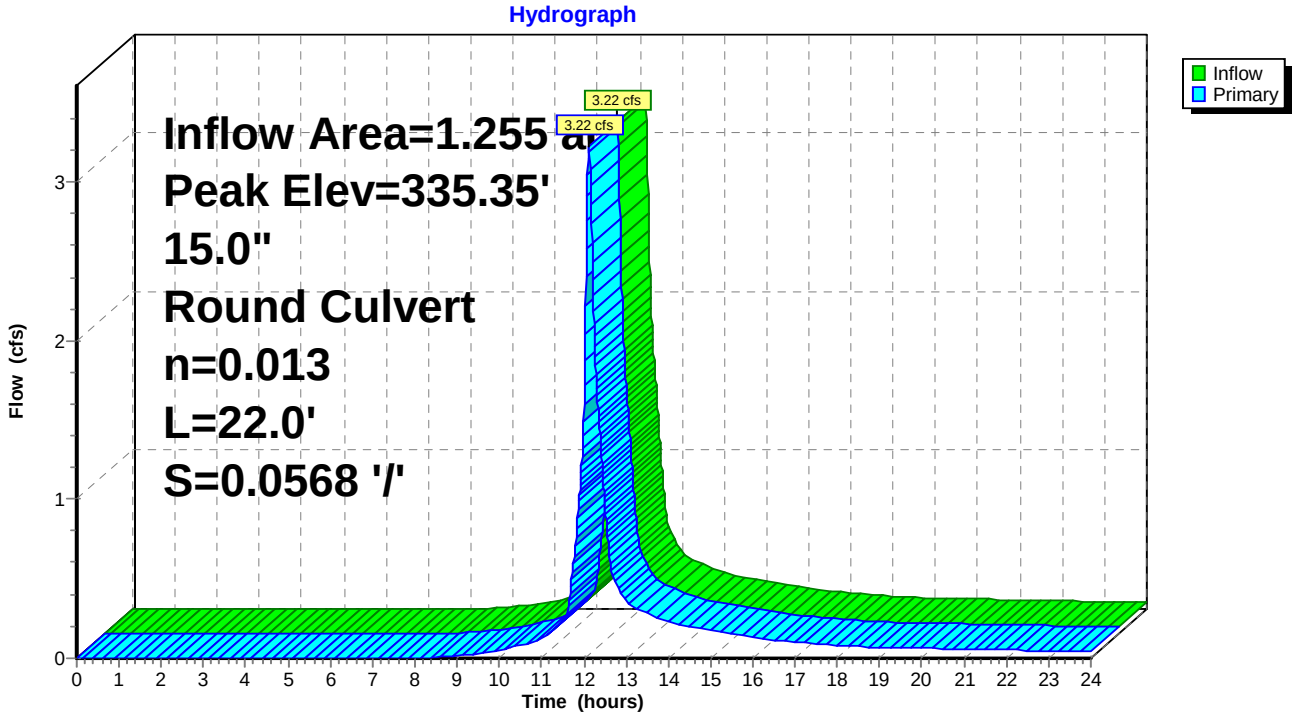
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af
Outflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min
Primary = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.35' @ 12.12 hrs
Flood Elev= 337.00'

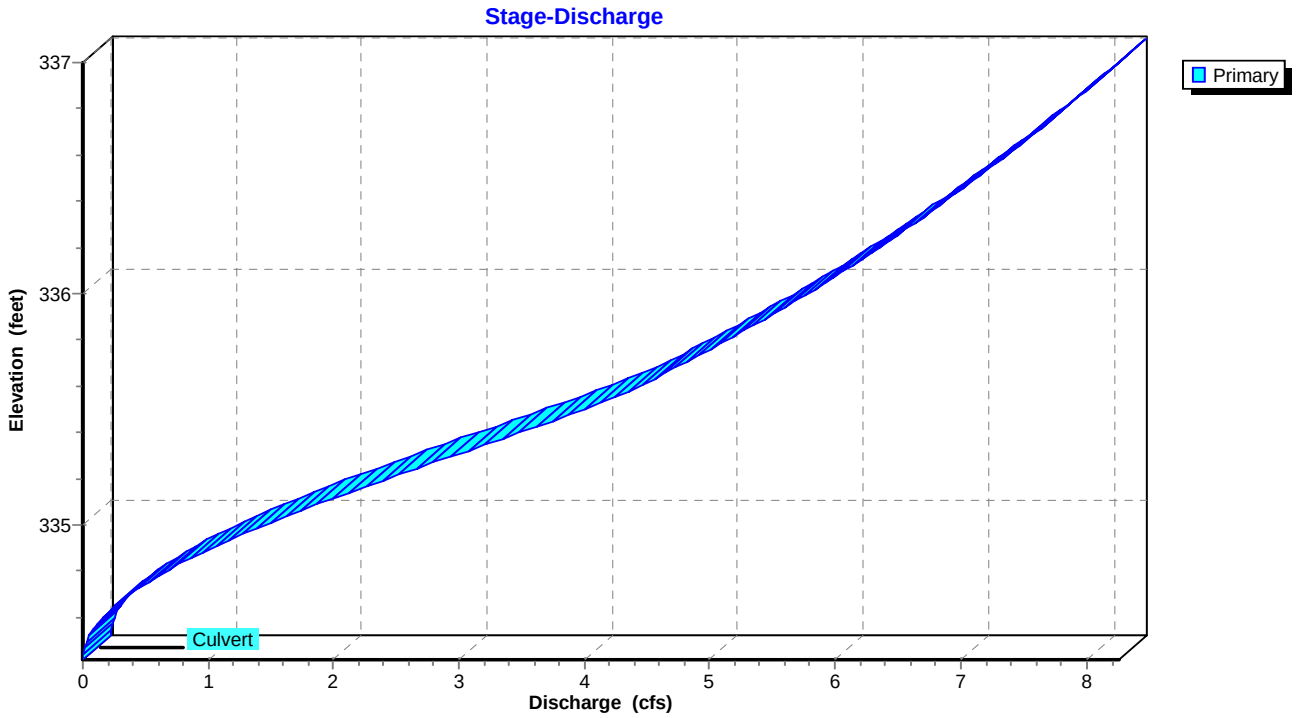
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.22 cfs @ 12.12 hrs HW=335.35' TW=329.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.22 cfs @ 3.28 fps)

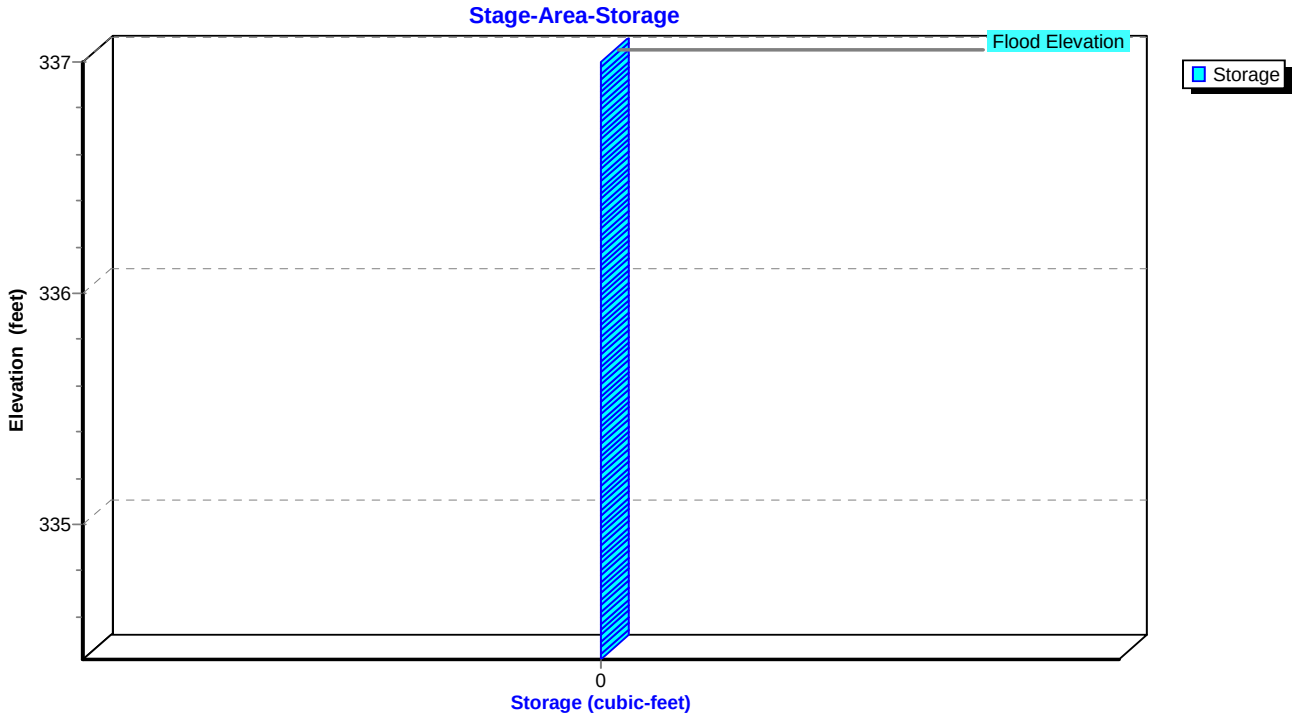
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.45	0.00
9.00	0.02	334.47	0.02
9.50	0.03	334.50	0.03
10.00	0.05	334.52	0.05
10.50	0.08	334.55	0.08
11.00	0.13	334.58	0.13
11.50	0.24	334.64	0.24
12.00	**1.60**	**335.03**	**1.60**
12.50	**0.98**	**334.89**	**0.98**
13.00	0.37	334.70	0.37
13.50	0.28	334.66	0.28
14.00	0.23	334.64	0.23
14.50	0.20	334.62	0.20
15.00	0.18	334.61	0.18
15.50	0.15	334.60	0.15
16.00	0.13	334.58	0.13
16.50	0.11	334.57	0.11
17.00	0.10	334.56	0.10
17.50	0.09	334.55	0.09
18.00	0.08	334.55	0.08
18.50	0.07	334.54	0.07
19.00	0.07	334.54	0.07
19.50	0.07	334.54	0.07
20.00	0.06	334.53	0.06
20.50	0.06	334.53	0.06
21.00	0.06	334.53	0.06
21.50	0.05	334.52	0.05
22.00	0.05	334.52	0.05
22.50	0.05	334.52	0.05
23.00	0.05	334.52	0.05
23.50	0.04	334.51	0.04
24.00	0.04	334.51	0.04

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

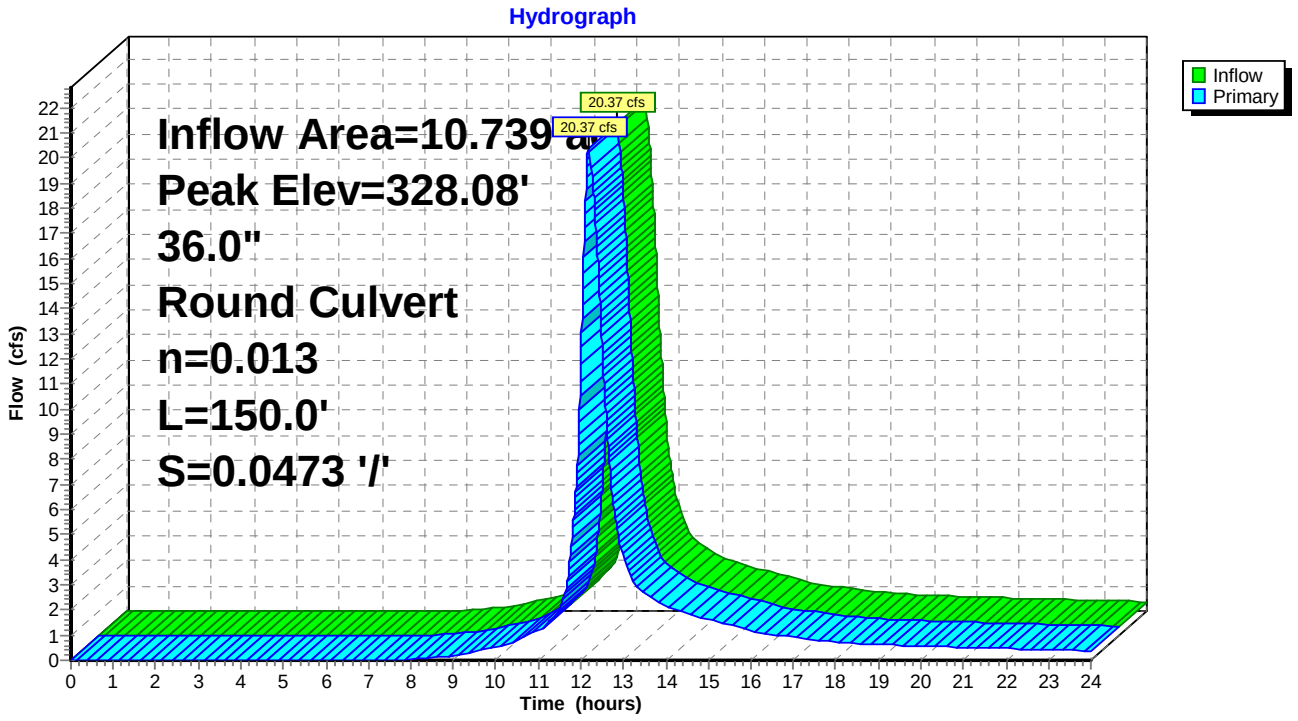
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af
Outflow = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af, Atten= 0%, Lag= 0.0 min
Primary = 20.37 cfs @ 12.19 hrs, Volume= 2.283 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.08' @ 12.19 hrs
Flood Elev= 332.25'

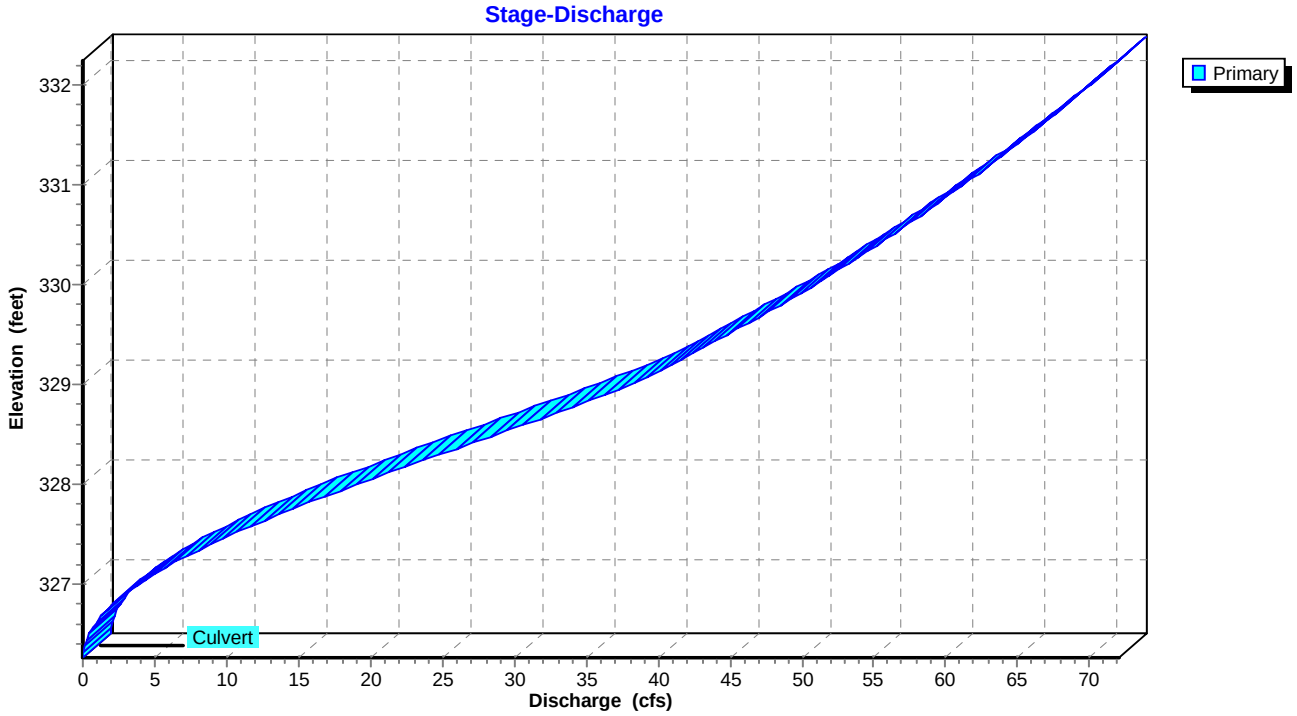
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.36 cfs @ 12.19 hrs HW=328.08' TW=320.86' (Dynamic Tailwater)
1=Culvert (Inlet Controls 20.36 cfs @ 4.58 fps)

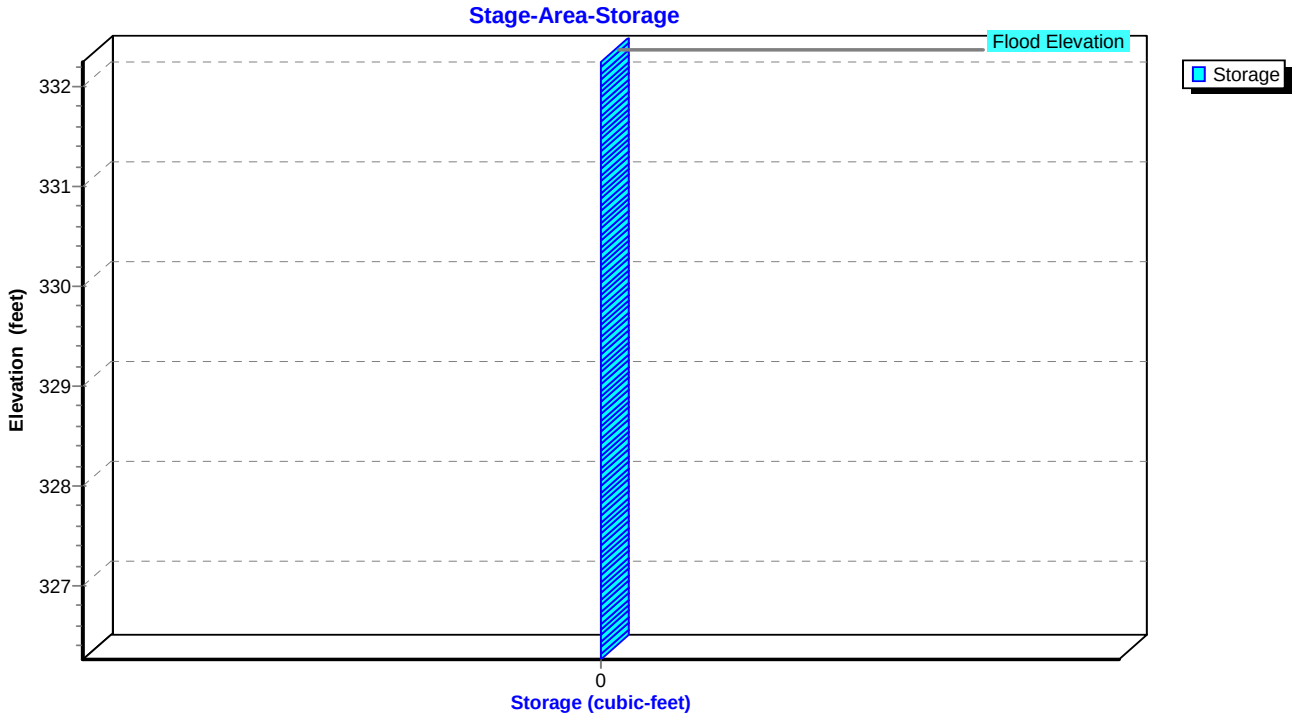
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.00	326.28	0.00
7.50	0.01	326.30	0.01
8.00	0.03	326.33	0.03
8.50	0.09	326.38	0.09
9.00	0.20	326.43	0.20
9.50	0.35	326.48	0.35
10.00	0.53	326.53	0.53
10.50	0.80	326.59	0.80
11.00	1.18	326.67	1.18
11.50	2.06	326.80	2.06
12.00	**11.77**	**327.59**	**11.77**
12.50	**12.56**	**327.64**	**12.56**
13.00	4.07	327.02	4.07
13.50	2.68	326.87	2.68
14.00	2.19	326.81	2.19
14.50	1.86	326.77	1.86
15.00	1.63	326.74	1.63
15.50	1.41	326.70	1.41
16.00	1.18	326.67	1.18
16.50	1.02	326.64	1.02
17.00	0.92	326.62	0.92
17.50	0.81	326.60	0.81
18.00	0.71	326.58	0.71
18.50	0.65	326.56	0.65
19.00	0.62	326.55	0.62
19.50	0.59	326.55	0.59
20.00	0.56	326.54	0.56
20.50	0.53	326.53	0.53
21.00	0.51	326.53	0.51
21.50	0.49	326.52	0.49
22.00	0.46	326.52	0.46
22.50	0.44	326.51	0.44
23.00	0.42	326.50	0.42
23.50	0.39	326.50	0.39
24.00	0.37	326.49	0.37

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

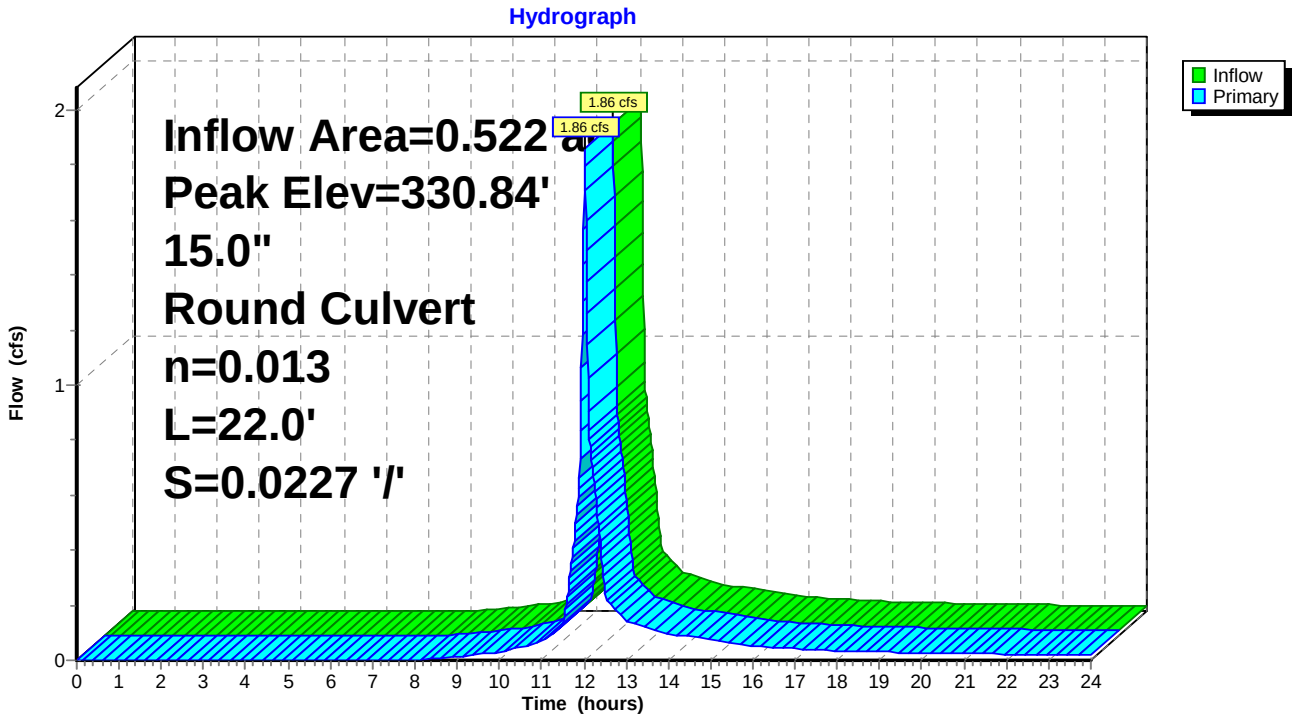
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af
Outflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.84' @ 12.02 hrs
Flood Elev= 332.80'

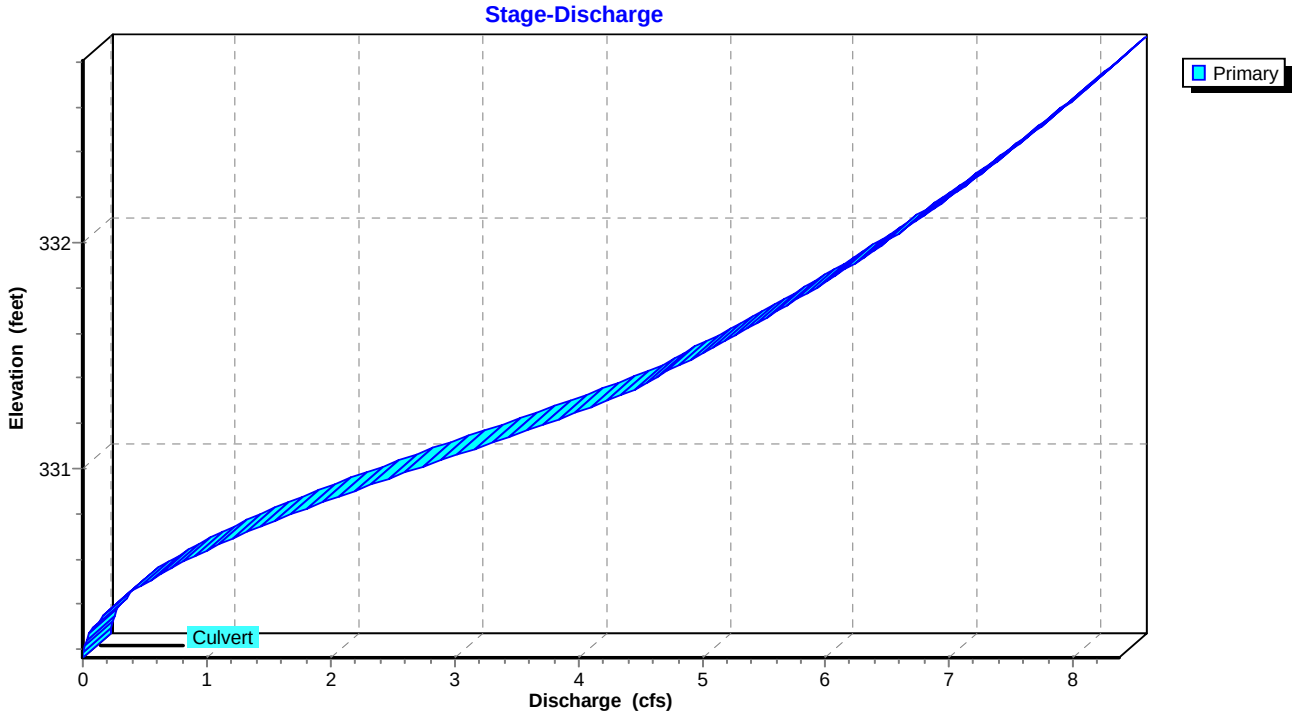
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.85 cfs @ 12.02 hrs HW=330.84' TW=327.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.85 cfs @ 2.78 fps)

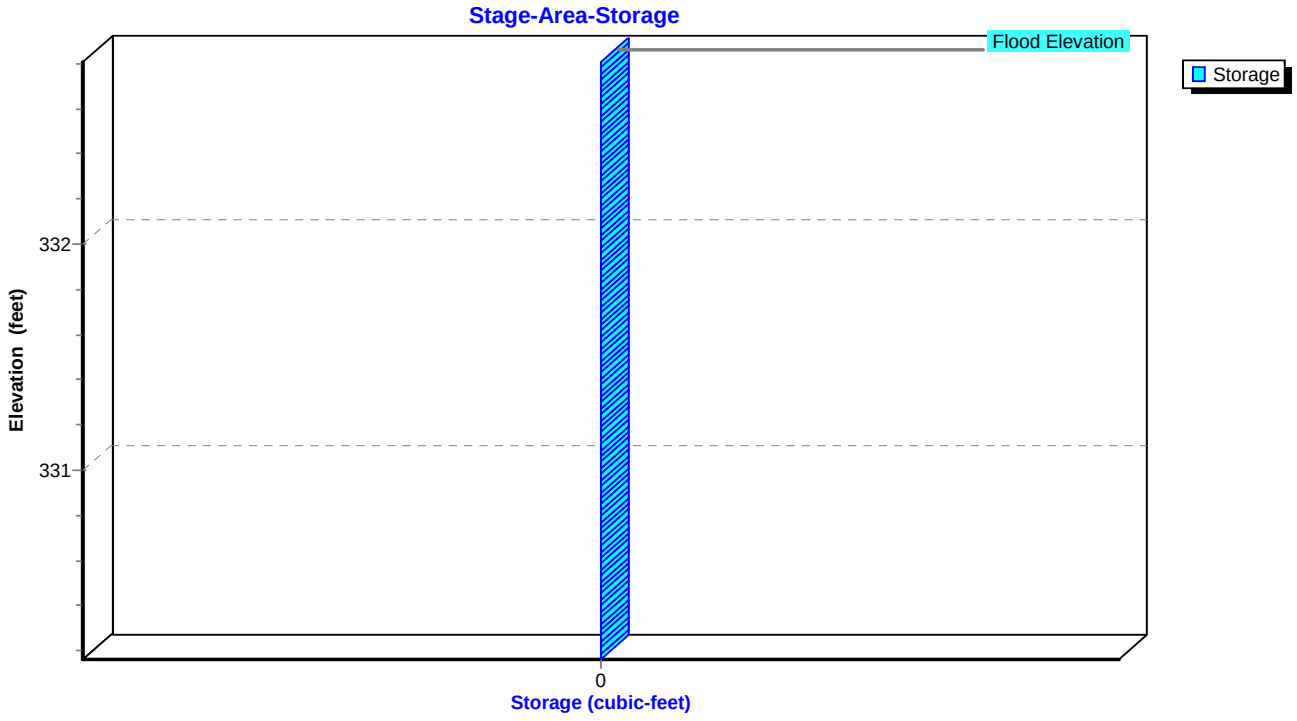
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.19	0.00
8.50	0.01	330.21	0.01
9.00	0.01	330.22	0.01
9.50	0.02	330.23	0.02
10.00	0.03	330.25	0.03
10.50	0.05	330.27	0.05
11.00	0.07	330.29	0.07
11.50	0.13	330.33	0.13
12.00	**1.70**	**330.81**	**1.70**
12.50	**0.25**	**330.40**	**0.25**
13.00	0.14	330.34	0.14
13.50	0.12	330.33	0.12
14.00	0.10	330.31	0.10
14.50	0.09	330.30	0.09
15.00	0.07	330.29	0.07
15.50	0.06	330.28	0.06
16.00	0.05	330.27	0.05
16.50	0.05	330.27	0.05
17.00	0.04	330.26	0.04
17.50	0.04	330.26	0.04
18.00	0.03	330.25	0.03
18.50	0.03	330.25	0.03
19.00	0.03	330.25	0.03
19.50	0.03	330.24	0.03
20.00	0.03	330.24	0.03
20.50	0.03	330.24	0.03
21.00	0.02	330.24	0.02
21.50	0.02	330.24	0.02
22.00	0.02	330.24	0.02
22.50	0.02	330.23	0.02
23.00	0.02	330.23	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

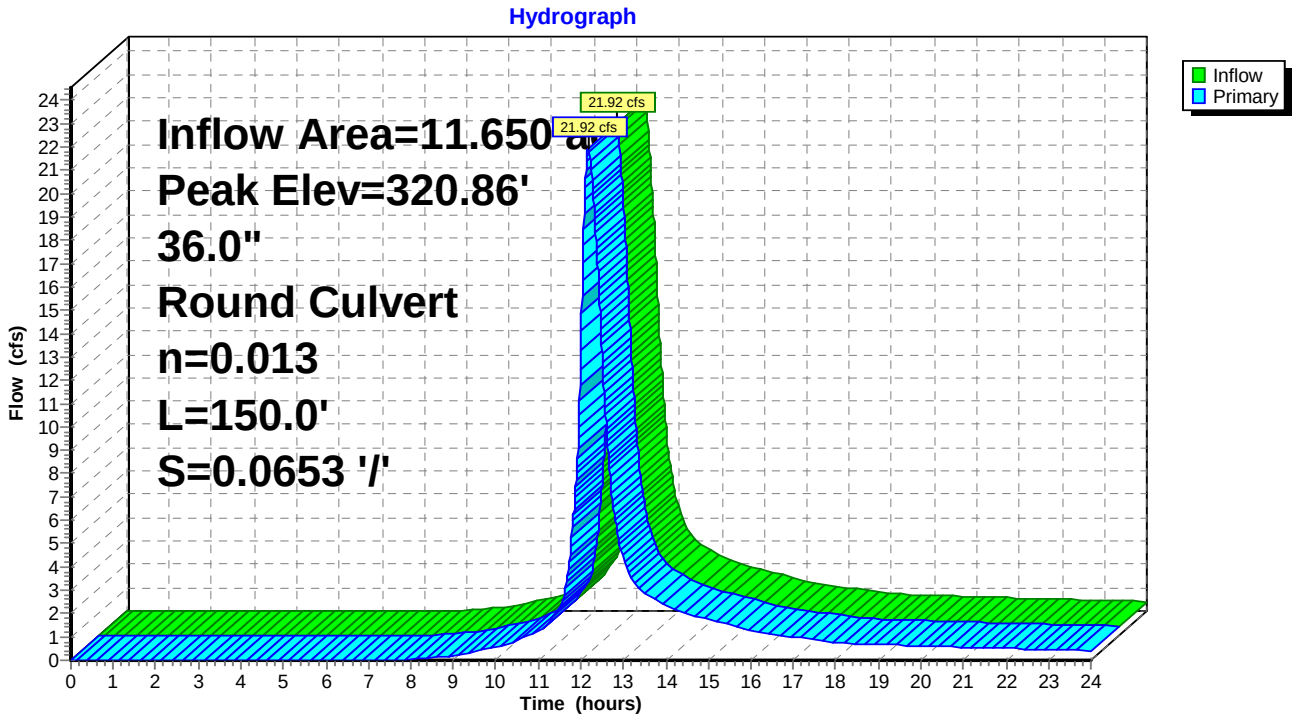
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 2.53" for 5-Year event
Inflow = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af
Outflow = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af, Atten= 0%, Lag= 0.0 min
Primary = 21.92 cfs @ 12.17 hrs, Volume= 2.457 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 320.86' @ 12.17 hrs
Flood Elev= 338.50'

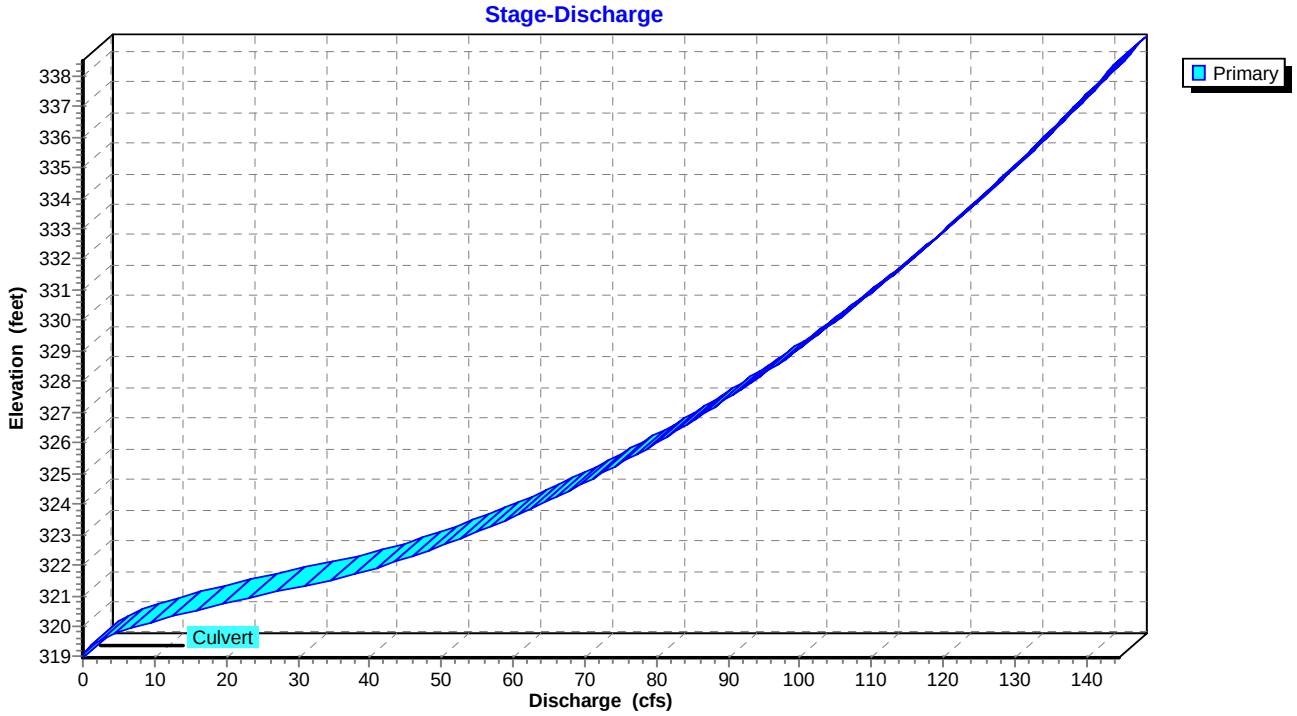
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.92 cfs @ 12.17 hrs HW=320.86' TW=310.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.92 cfs @ 4.68 fps)

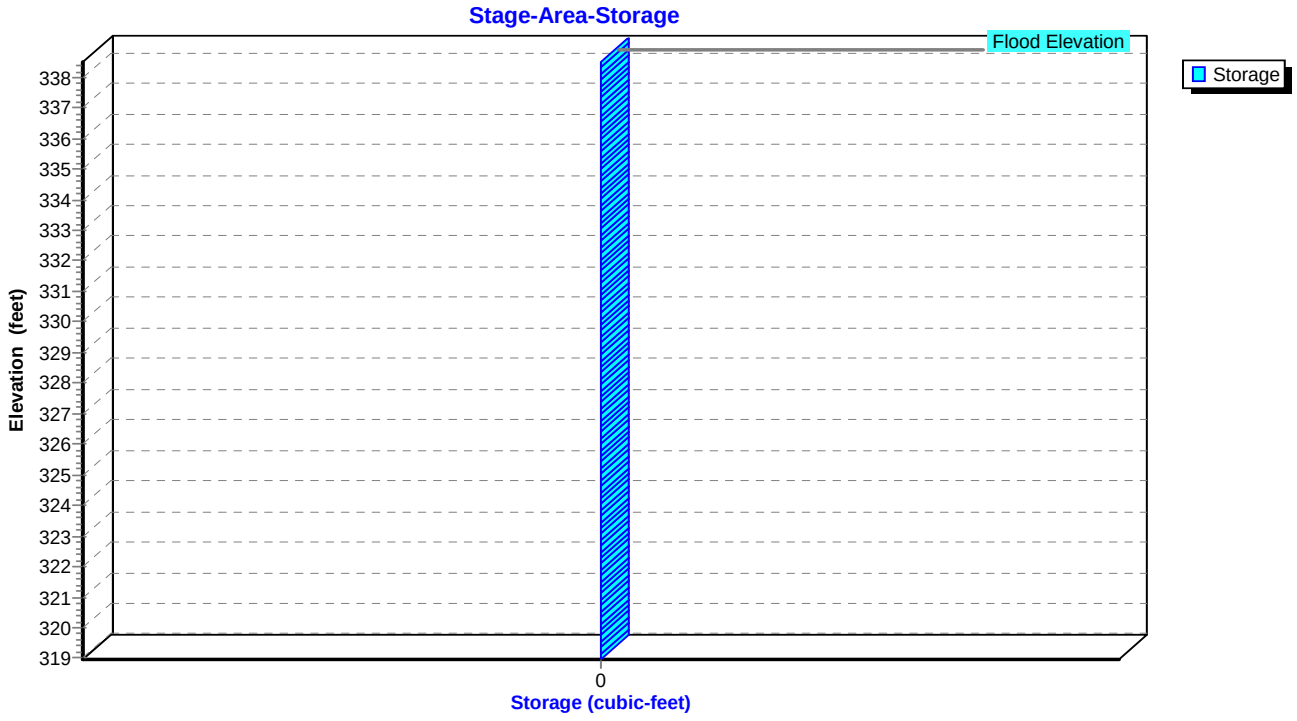
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.00	318.97	0.00
7.50	0.01	319.00	0.01
8.00	0.03	319.03	0.03
8.50	0.09	319.08	0.09
9.00	0.21	319.13	0.21
9.50	0.37	319.19	0.37
10.00	0.56	319.24	0.56
10.50	0.86	319.31	0.86
11.00	1.27	319.38	1.27
11.50	2.23	319.52	2.23
12.00	**13.26**	**320.38**	**13.26**
12.50	**13.14**	**320.38**	**13.14**
13.00	4.32	319.74	4.32
13.50	2.87	319.60	2.87
14.00	2.35	319.53	2.35
14.50	2.00	319.49	2.00
15.00	1.76	319.45	1.76
15.50	1.51	319.42	1.51
16.00	1.27	319.38	1.27
16.50	1.10	319.35	1.10
17.00	0.99	319.33	0.99
17.50	0.88	319.31	0.88
18.00	0.77	319.29	0.77
18.50	0.70	319.27	0.70
19.00	0.67	319.27	0.67
19.50	0.63	319.26	0.63
20.00	0.60	319.25	0.60
20.50	0.57	319.24	0.57
21.00	0.55	319.24	0.55
21.50	0.52	319.23	0.52
22.00	0.50	319.23	0.50
22.50	0.47	319.22	0.47
23.00	0.45	319.21	0.45
23.50	0.42	319.21	0.42
24.00	0.40	319.20	0.40

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

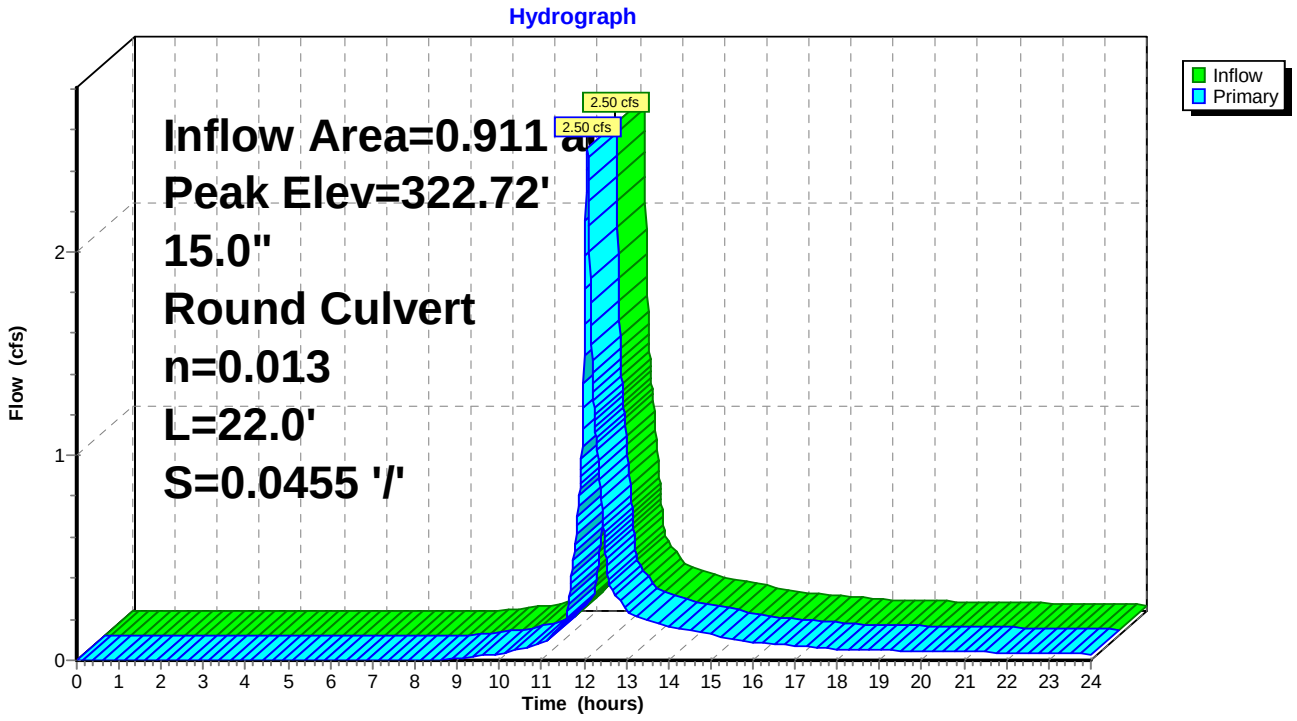
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.29" for 5-Year event
Inflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af
Outflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.72' @ 12.08 hrs
Flood Elev= 324.50'

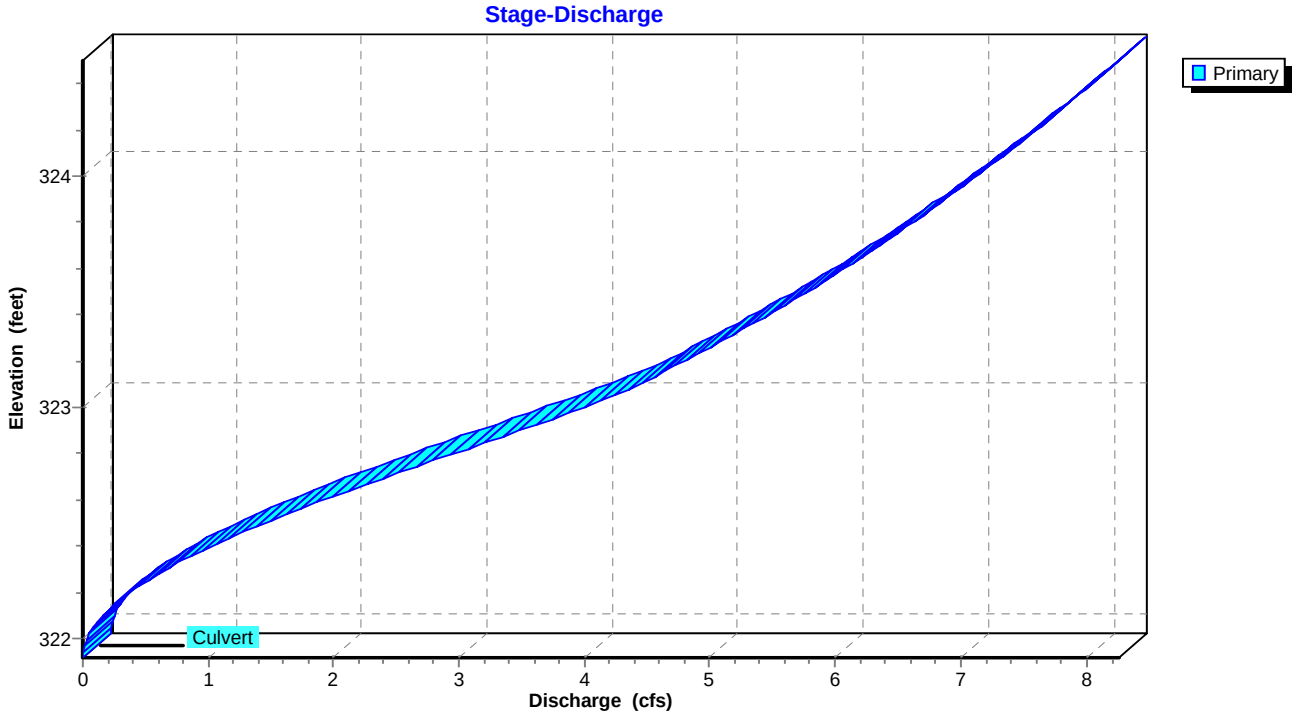
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.50 cfs @ 12.08 hrs HW=322.71' TW=320.72' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.50 cfs @ 3.04 fps)

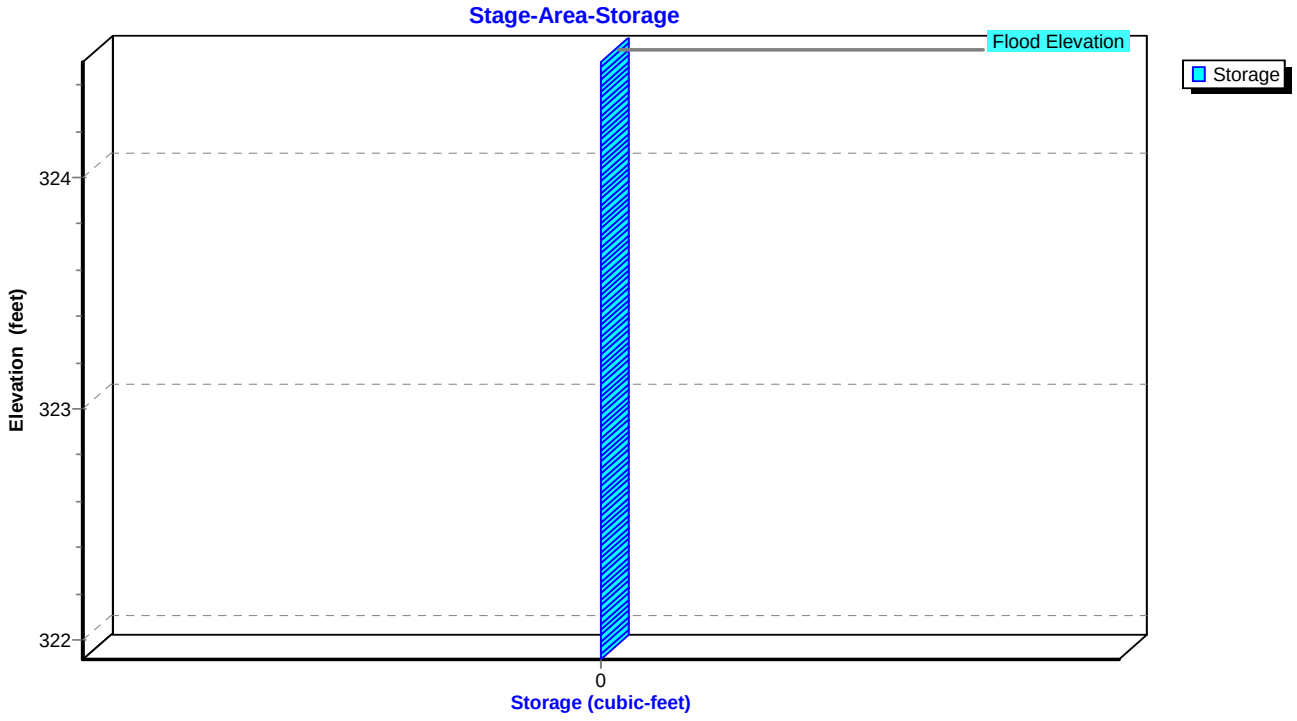
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.93	0.00
9.00	0.01	321.96	0.01
9.50	0.02	321.98	0.02
10.00	0.03	322.00	0.03
10.50	0.06	322.03	0.06
11.00	0.09	322.05	0.09
11.50	0.17	322.11	0.17
12.00	**1.49**	**322.51**	**1.49**
12.50	**0.57**	**322.27**	**0.57**
13.00	0.25	322.15	0.25
13.50	0.20	322.12	0.20
14.00	0.16	322.10	0.16
14.50	0.14	322.09	0.14
15.00	0.12	322.08	0.12
15.50	0.11	322.07	0.11
16.00	0.09	322.05	0.09
16.50	0.08	322.05	0.08
17.00	0.07	322.04	0.07
17.50	0.06	322.03	0.06
18.00	0.05	322.03	0.05
18.50	0.05	322.02	0.05
19.00	0.05	322.02	0.05
19.50	0.05	322.02	0.05
20.00	0.04	322.01	0.04
20.50	0.04	322.01	0.04
21.00	0.04	322.01	0.04
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.03	322.00	0.03
23.00	0.03	322.00	0.03
23.50	0.03	322.00	0.03
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.19' Inflow=4.71 cfs 0.554 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=4.71 cfs 0.554 af

Pond CB10: Catchbasin Peak Elev=311.11' Inflow=26.82 cfs 3.041 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=26.82 cfs 3.041 af

Pond CB10-1: CB1-1 Peak Elev=312.75' Inflow=2.68 cfs 0.161 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.68 cfs 0.161 af

Pond CB11: Catchbasin Peak Elev=300.13' Inflow=28.65 cfs 3.193 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=28.65 cfs 3.193 af

Pond CB11-1: CB1-1 Peak Elev=302.84' Inflow=1.87 cfs 0.153 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.87 cfs 0.153 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.92' Inflow=9.95 cfs 1.121 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=9.95 cfs 1.121 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=343.13' Inflow=12.24 cfs 1.370 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=12.24 cfs 1.370 af

Pond CB4: Catchbasin Peak Elev=333.46' Inflow=16.29 cfs 1.861 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=16.29 cfs 1.861 af

Pond CB4-1: CB1-1 Peak Elev=337.16' Inflow=16.29 cfs 1.861 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=16.29 cfs 1.861 af

Pond CB5: Catchbasin Peak Elev=332.28' Inflow=16.71 cfs 1.932 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=16.71 cfs 1.932 af

Pond CB5-1: CB1-1 Peak Elev=334.41' Inflow=1.20 cfs 0.071 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.20 cfs 0.071 af

Pond CB6: Catchbasin Peak Elev=331.07' Inflow=20.12 cfs 2.251 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=20.12 cfs 2.251 af

Pond CB6-1: CB1-1 Peak Elev=336.91' Inflow=3.55 cfs 0.319 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.55 cfs 0.319 af

Pond CB7: Catchbasin Peak Elev=329.76' Inflow=23.04 cfs 2.544 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=23.04 cfs 2.544 af

Pond CB7-1: CB1-1 Peak Elev=335.46' Inflow=3.80 cfs 0.292 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.80 cfs 0.292 af

Pond CB8: Catchbasin Peak Elev=328.26' Inflow=23.88 cfs 2.674 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=23.88 cfs 2.674 af

Pond CB8-1: CB1-1 Peak Elev=330.90' Inflow=2.17 cfs 0.130 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.17 cfs 0.130 af

Pond CB9: Catchbasin Peak Elev=321.05' Inflow=25.73 cfs 2.879 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=25.73 cfs 2.879 af

Pond CB9-1: CB1-1 Peak Elev=322.80' Inflow=2.96 cfs 0.206 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.96 cfs 0.206 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

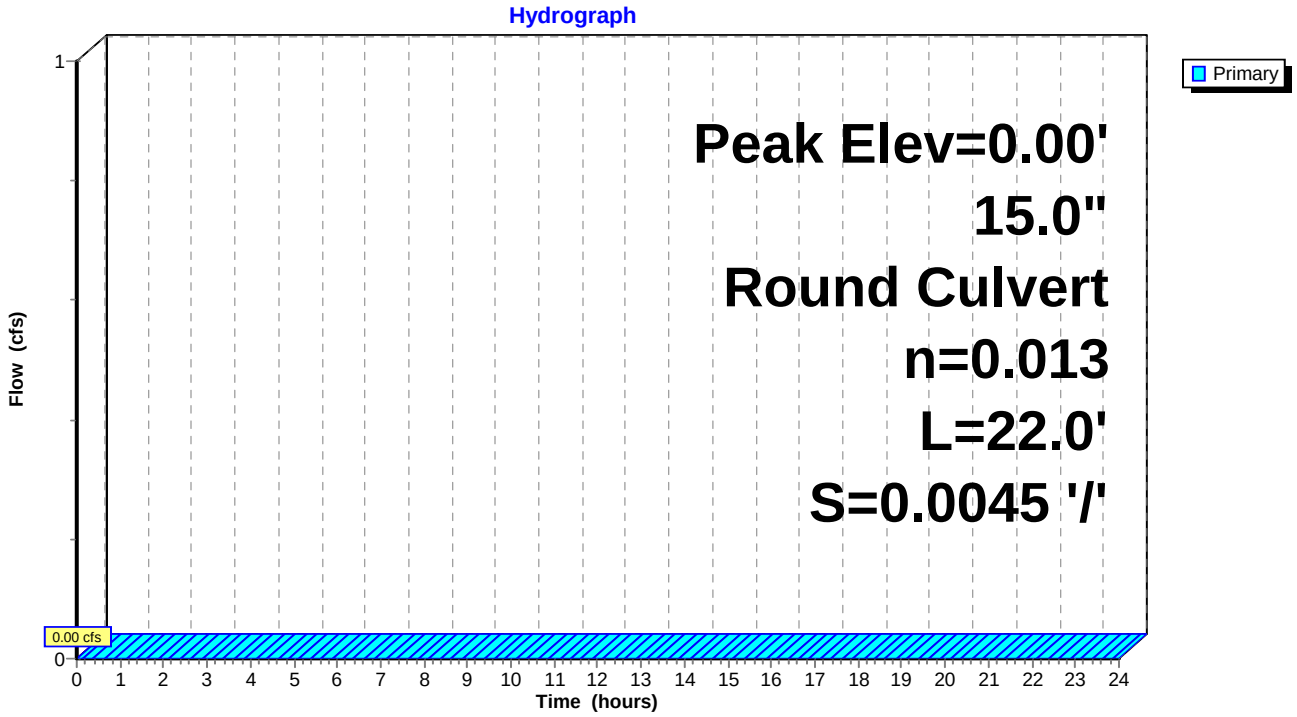
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

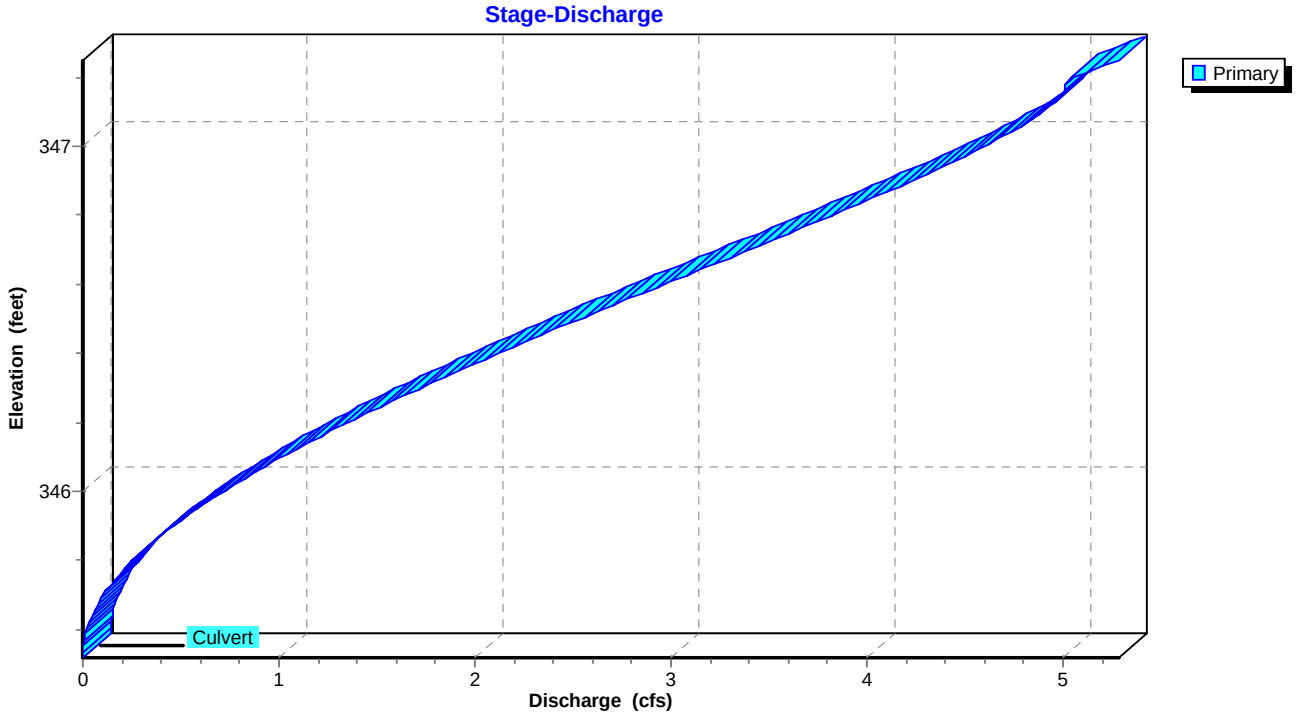
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

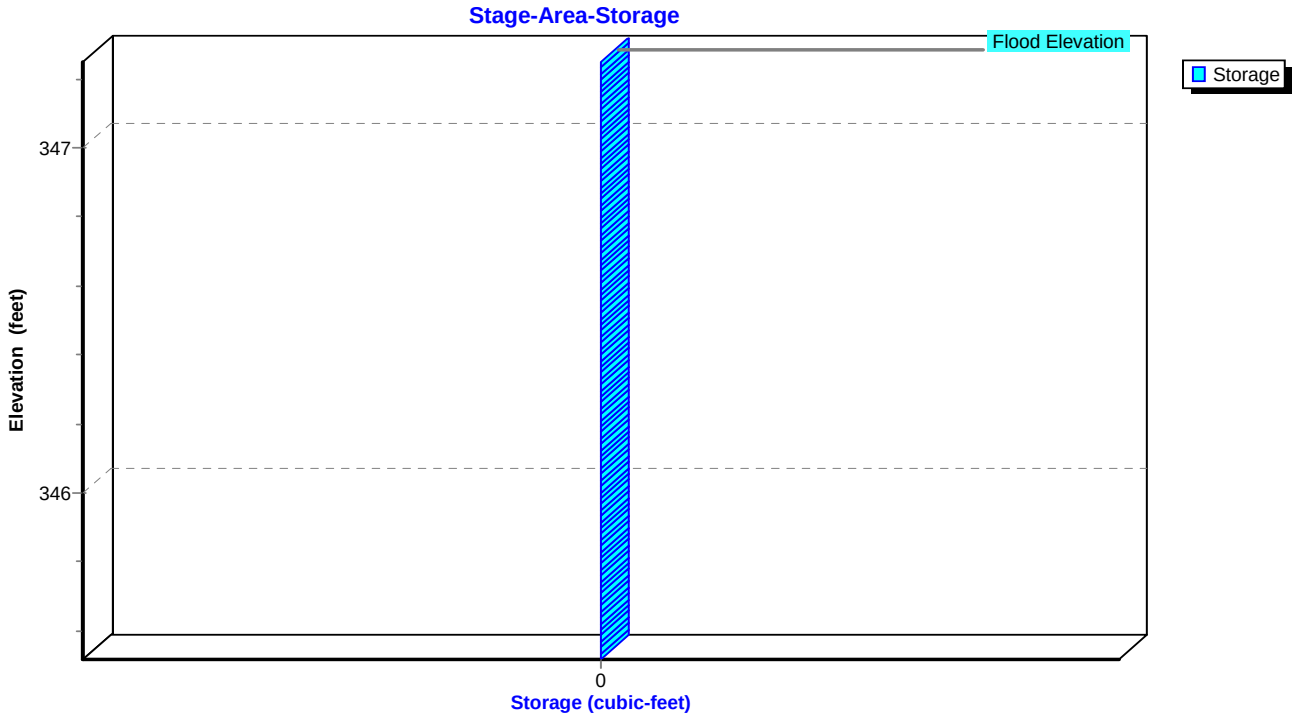
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

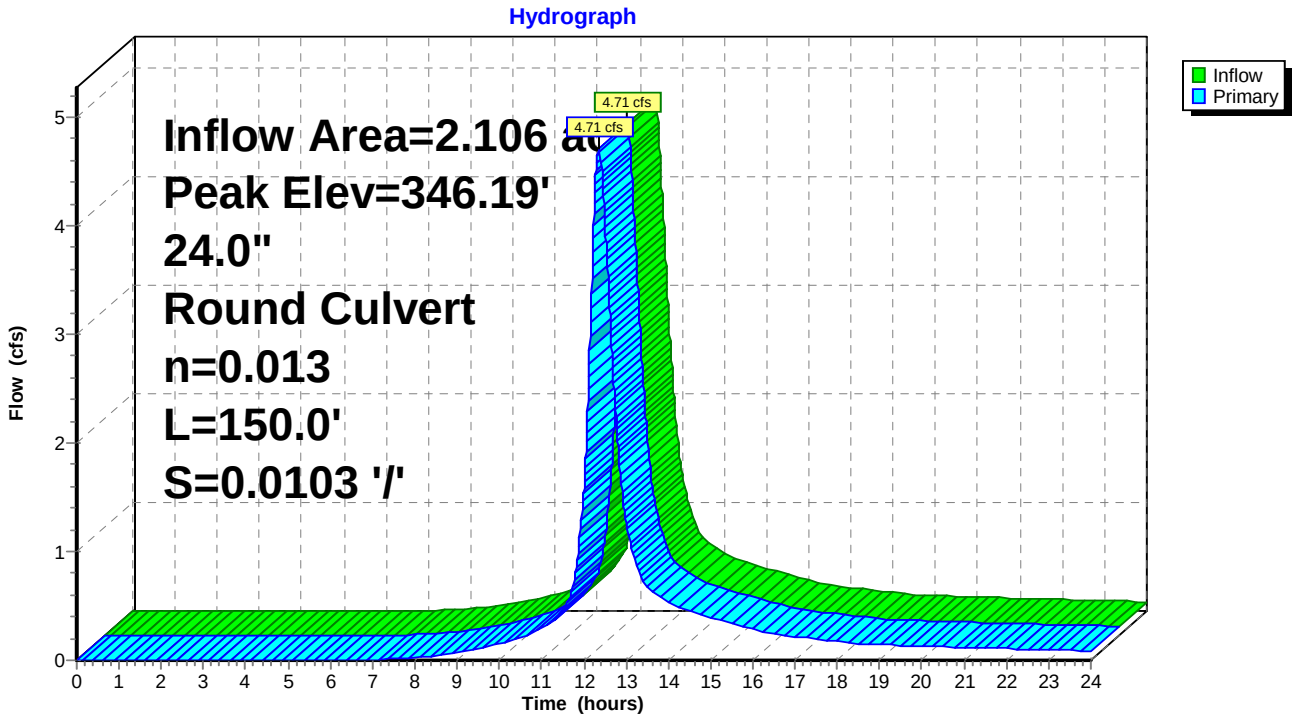
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 3.16" for 10-Year event
Inflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af
Outflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af, Atten= 0%, Lag= 0.0 min
Primary = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.19' @ 12.34 hrs
Flood Elev= 348.80'

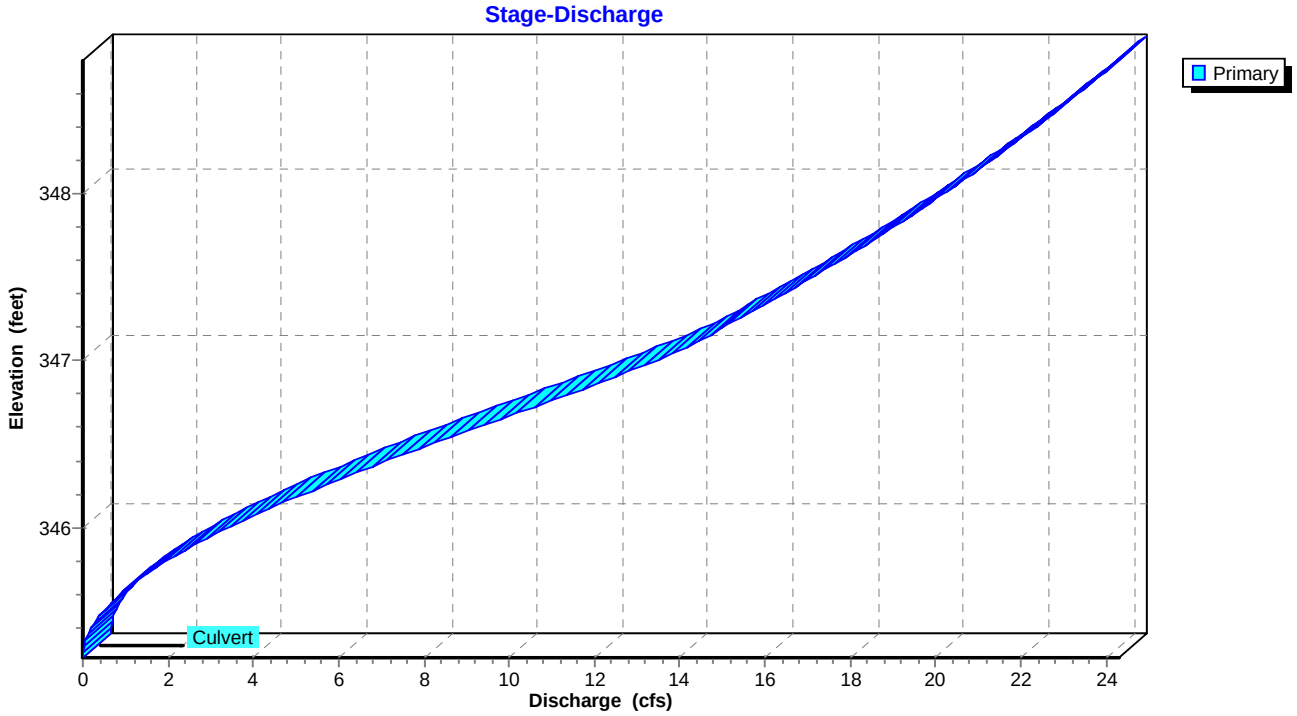
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=4.72 cfs @ 12.34 hrs HW=346.19' TW=344.90' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.72 cfs @ 4.55 fps)

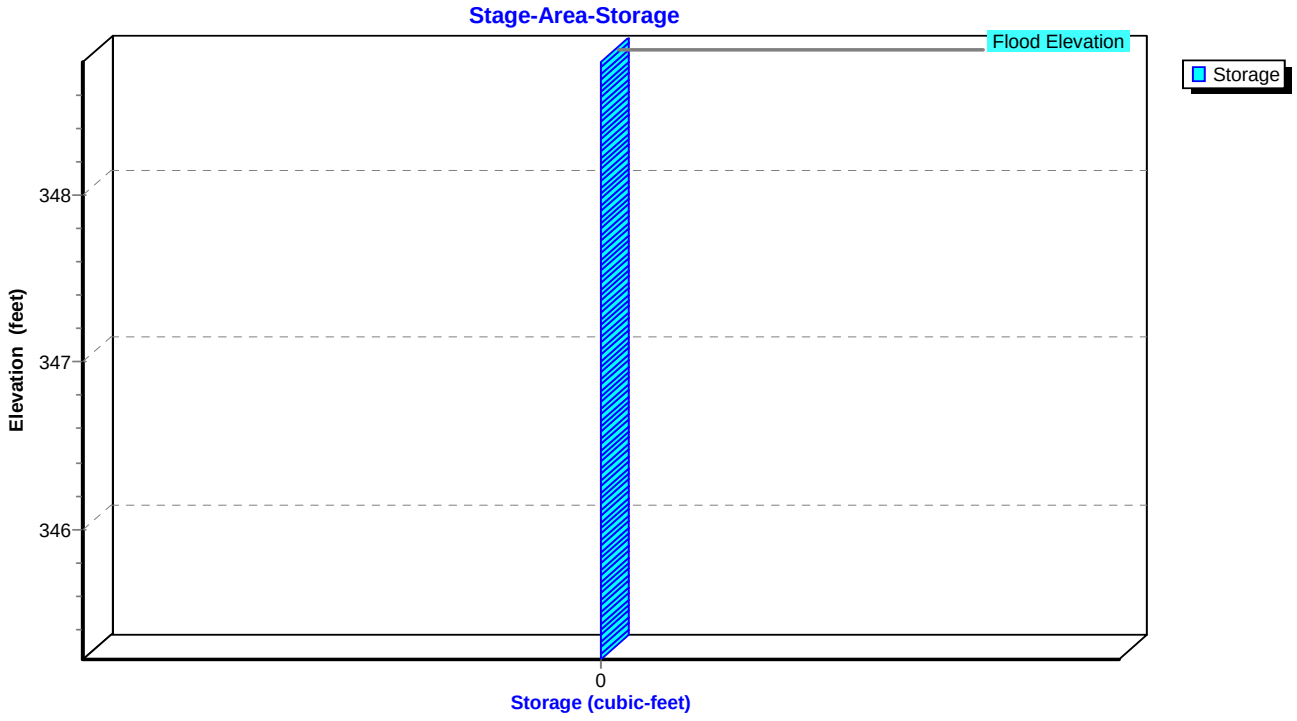
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.22	0.00
6.50	0.00	345.22	0.00
7.00	0.00	345.24	0.00
7.50	0.01	345.27	0.01
8.00	0.03	345.29	0.03
8.50	0.04	345.31	0.04
9.00	0.07	345.33	0.07
9.50	0.11	345.35	0.11
10.00	0.15	345.38	0.15
10.50	0.21	345.40	0.21
11.00	0.30	345.44	0.30
11.50	0.46	345.49	0.46
12.00	**1.58**	**345.74**	**1.58**
12.50	**4.06**	**346.09**	**4.06**
13.00	1.27	345.68	1.27
13.50	0.68	345.55	0.68
14.00	0.54	345.52	0.54
14.50	0.45	345.49	0.45
15.00	0.39	345.47	0.39
15.50	0.34	345.45	0.34
16.00	0.29	345.44	0.29
16.50	0.24	345.42	0.24
17.00	0.22	345.41	0.22
17.50	0.19	345.40	0.19
18.00	0.17	345.39	0.17
18.50	0.15	345.38	0.15
19.00	0.14	345.37	0.14
19.50	0.14	345.37	0.14
20.00	0.13	345.36	0.13
20.50	0.12	345.36	0.12
21.00	0.12	345.36	0.12
21.50	0.11	345.36	0.11
22.00	0.11	345.35	0.11
22.50	0.10	345.35	0.10
23.00	0.10	345.35	0.10
23.50	0.09	345.34	0.09
24.00	0.09	345.34	0.09

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

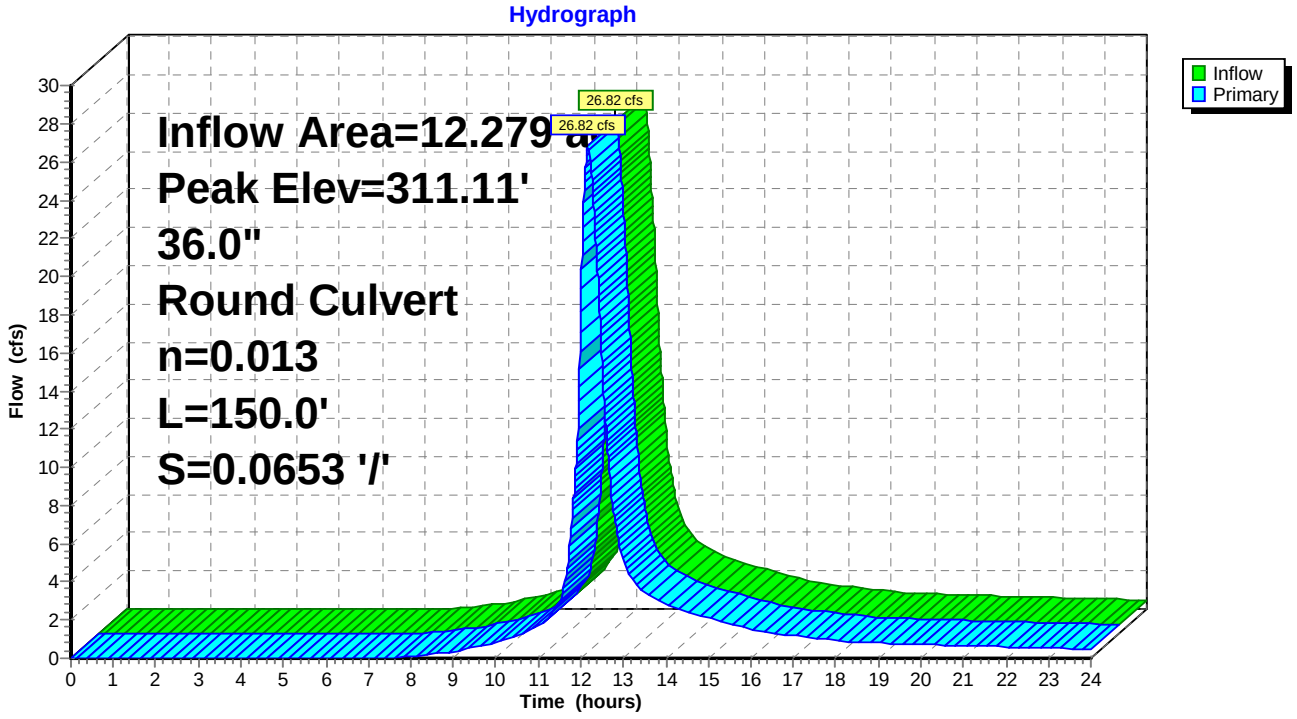
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af
Outflow = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af, Atten= 0%, Lag= 0.0 min
Primary = 26.82 cfs @ 12.16 hrs, Volume= 3.041 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.11' @ 12.16 hrs
Flood Elev= 313.50'

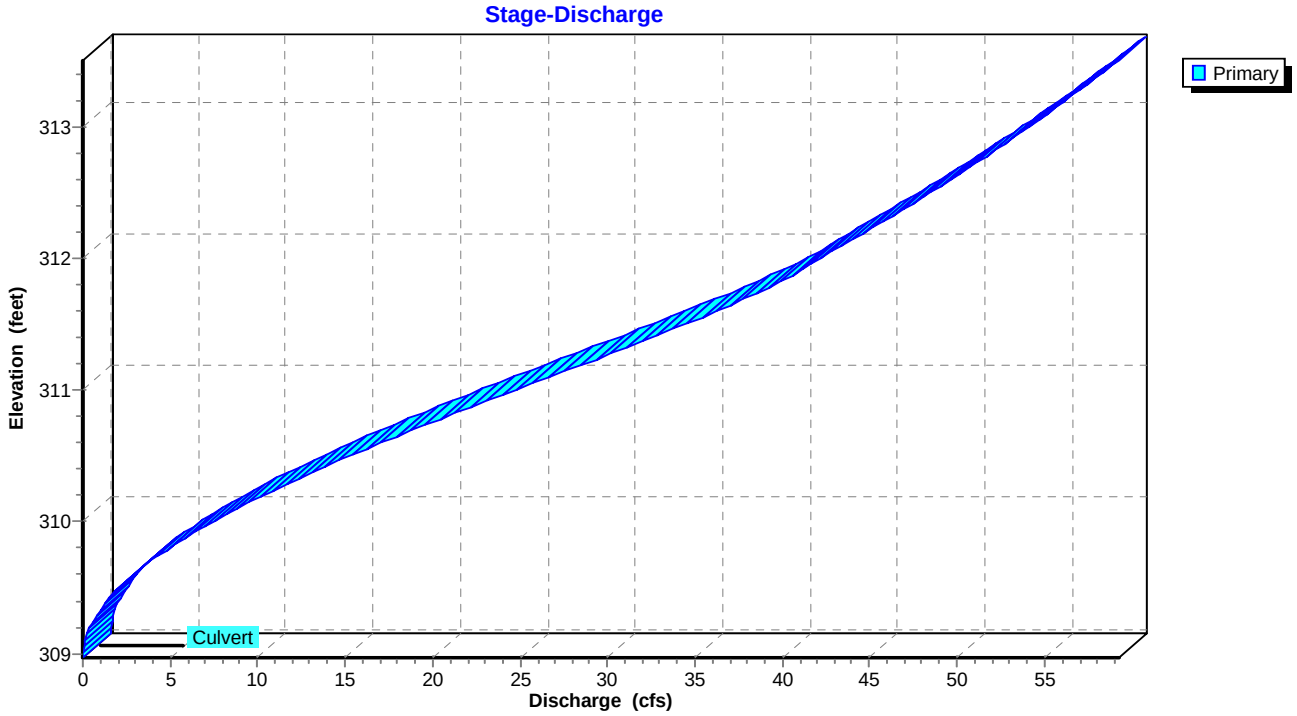
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.81 cfs @ 12.16 hrs HW=311.11' TW=300.13' (Dynamic Tailwater)
1=Culvert (Inlet Controls 26.81 cfs @ 4.98 fps)

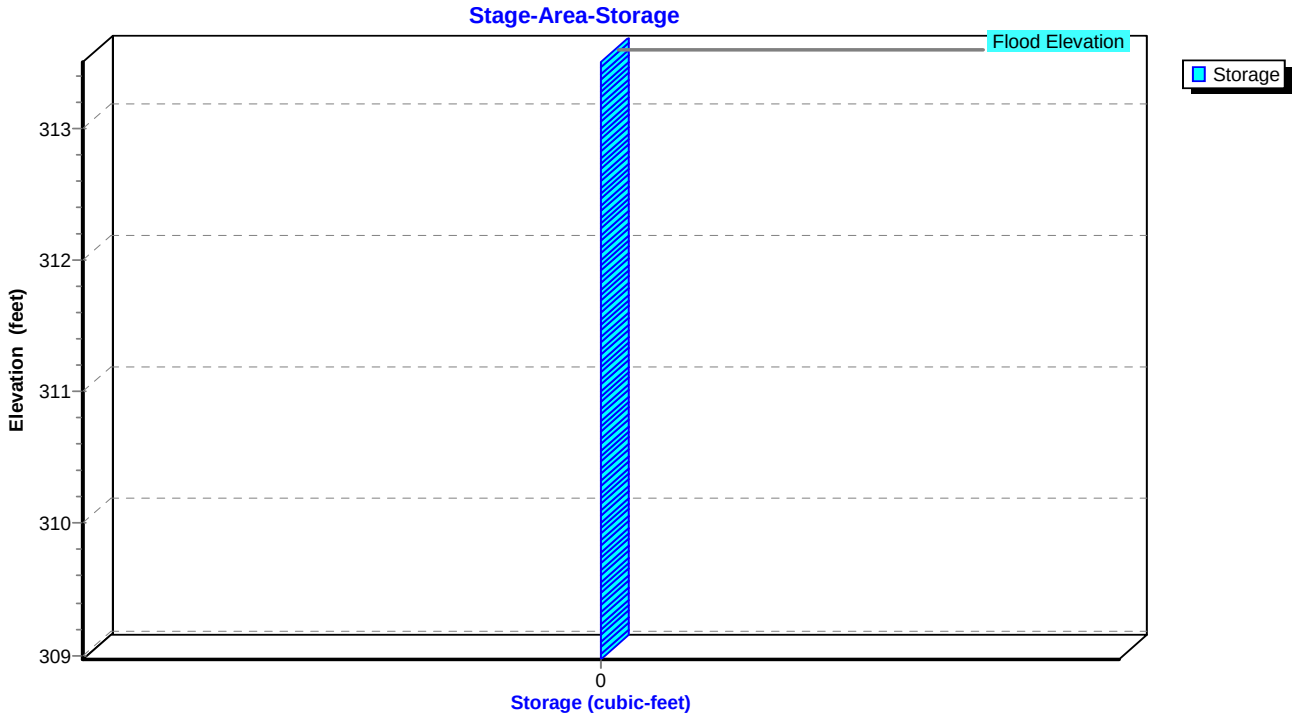
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.97	0.00
6.50	0.00	308.97	0.00
7.00	0.01	309.00	0.01
7.50	0.03	309.03	0.03
8.00	0.09	309.08	0.09
8.50	0.20	309.13	0.20
9.00	0.35	309.18	0.35
9.50	0.56	309.24	0.56
10.00	0.81	309.30	0.81
10.50	1.19	309.37	1.19
11.00	1.71	309.45	1.71
11.50	2.95	309.60	2.95
12.00	**18.21**	**310.66**	**18.21**
12.50	**15.56**	**310.52**	**15.56**
13.00	5.17	309.82	5.17
13.50	3.46	309.66	3.46
14.00	2.82	309.59	2.82
14.50	2.40	309.54	2.40
15.00	2.11	309.50	2.11
15.50	1.82	309.46	1.82
16.00	1.52	309.42	1.52
16.50	1.32	309.39	1.32
17.00	1.18	309.37	1.18
17.50	1.05	309.34	1.05
18.00	0.92	309.32	0.92
18.50	0.84	309.30	0.84
19.00	0.80	309.29	0.80
19.50	0.76	309.29	0.76
20.00	0.72	309.28	0.72
20.50	0.69	309.27	0.69
21.00	0.66	309.26	0.66
21.50	0.63	309.26	0.63
22.00	0.60	309.25	0.60
22.50	0.57	309.24	0.57
23.00	0.54	309.24	0.54
23.50	0.51	309.23	0.51
24.00	0.48	309.22	0.48

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

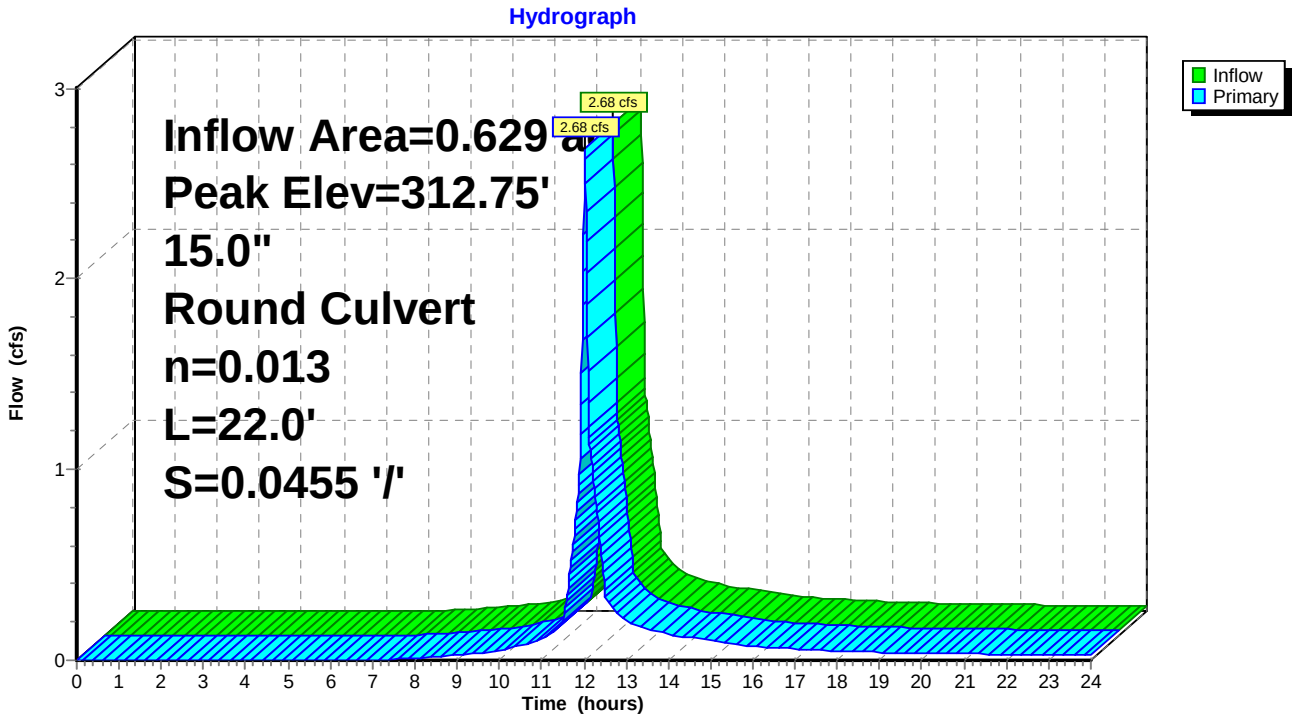
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.08" for 10-Year event
Inflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af
Outflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.75' @ 12.02 hrs
Flood Elev= 314.50'

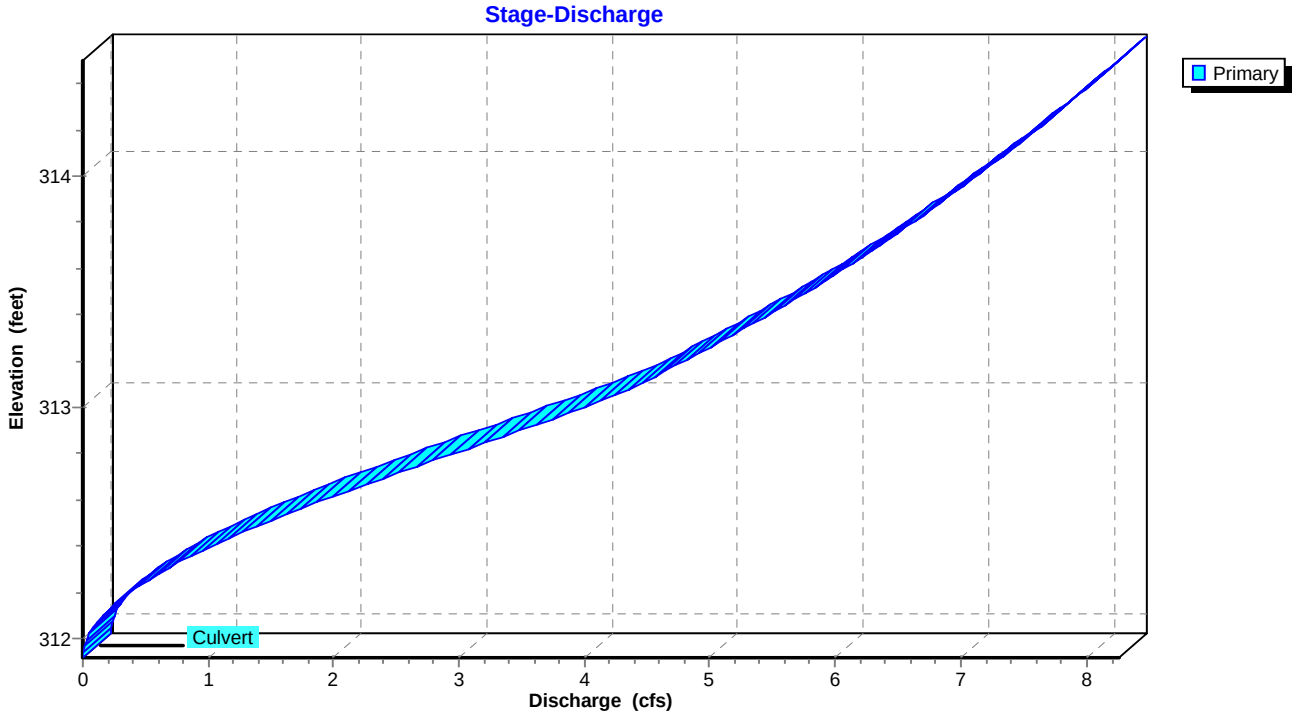
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.68 cfs @ 12.02 hrs HW=312.75' TW=310.78' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.68 cfs @ 3.10 fps)

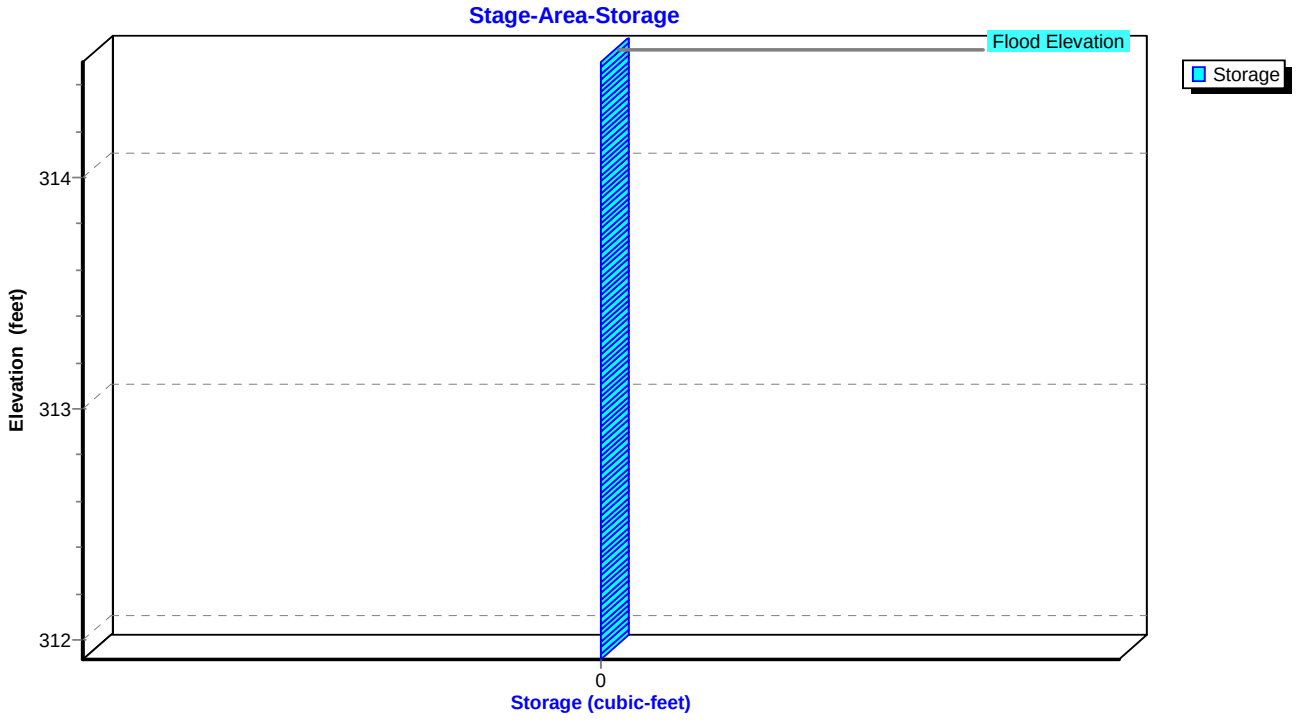
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.93	0.00
7.50	0.00	311.95	0.00
8.00	0.01	311.96	0.01
8.50	0.02	311.98	0.02
9.00	0.03	311.99	0.03
9.50	0.04	312.01	0.04
10.00	0.05	312.02	0.05
10.50	0.08	312.04	0.08
11.00	0.11	312.07	0.11
11.50	0.20	312.12	0.20
12.00	**2.42**	**312.70**	**2.42**
12.50	**0.36**	**312.20**	**0.36**
13.00	0.20	312.12	0.20
13.50	0.17	312.10	0.17
14.00	0.13	312.09	0.13
14.50	0.12	312.08	0.12
15.00	0.10	312.07	0.10
15.50	0.09	312.05	0.09
16.00	0.07	312.04	0.07
16.50	0.07	312.04	0.07
17.00	0.06	312.03	0.06
17.50	0.05	312.02	0.05
18.00	0.05	312.02	0.05
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.04	312.01	0.04
20.00	0.04	312.01	0.04
20.50	0.04	312.00	0.04
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	312.00	0.03
22.50	0.03	312.00	0.03
23.00	0.03	311.99	0.03
23.50	0.03	311.99	0.03
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

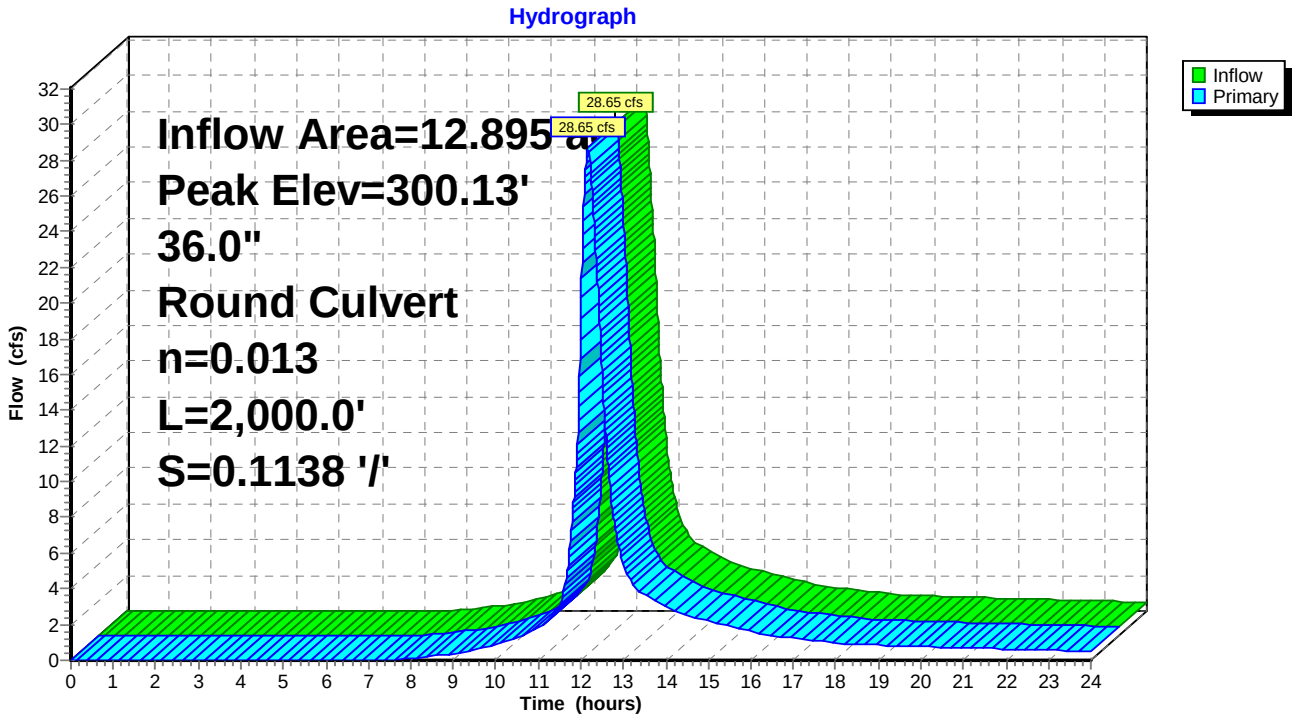
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af
Outflow = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af, Atten= 0%, Lag= 0.0 min
Primary = 28.65 cfs @ 12.16 hrs, Volume= 3.193 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.13' @ 12.16 hrs
Flood Elev= 303.50'

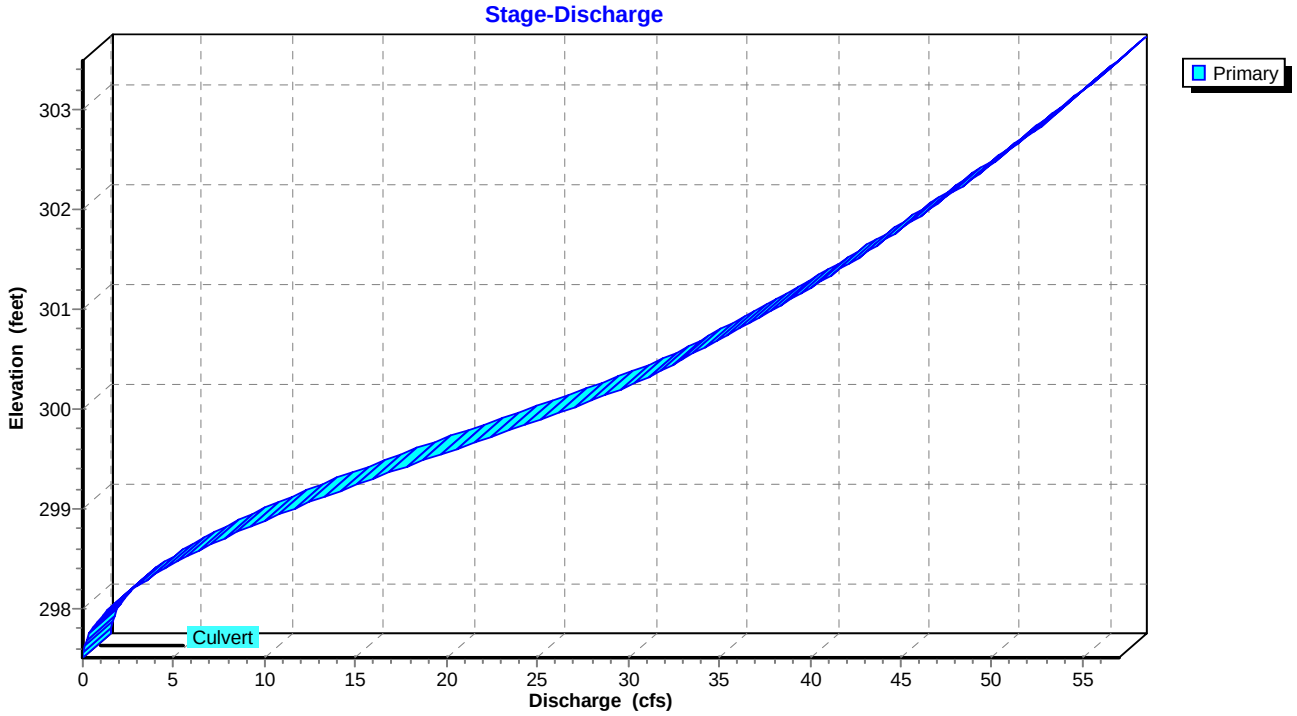
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.65 cfs @ 12.16 hrs HW=300.13' (Free Discharge)
1=Culvert (Inlet Controls 28.65 cfs @ 4.36 fps)

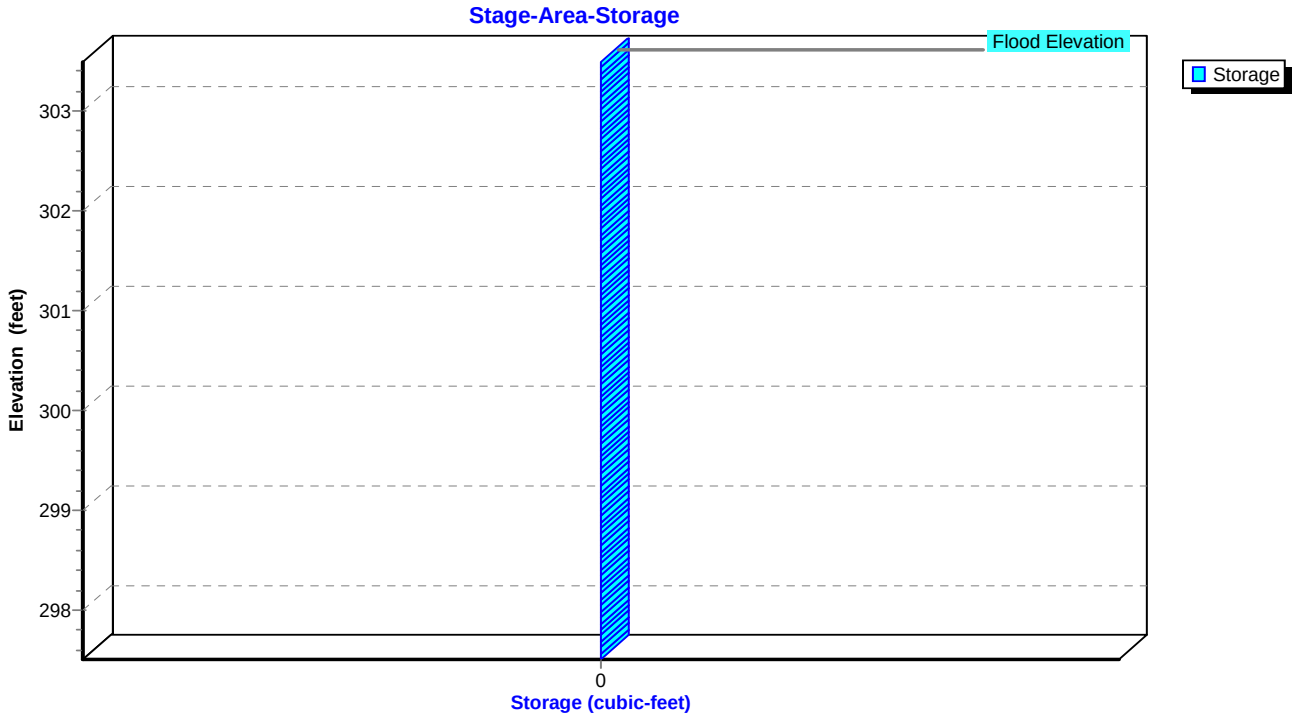
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.50	0.00
6.50	0.00	297.51	0.00
7.00	0.01	297.53	0.01
7.50	0.03	297.57	0.03
8.00	0.10	297.63	0.10
8.50	0.21	297.69	0.21
9.00	0.37	297.75	0.37
9.50	0.59	297.81	0.59
10.00	0.85	297.88	0.85
10.50	1.25	297.96	1.25
11.00	1.80	298.05	1.80
11.50	3.11	298.24	3.11
12.00	**19.11**	**299.51**	**19.11**
12.50	**16.20**	**299.32**	**16.20**
13.00	5.39	298.48	5.39
13.50	3.63	298.30	3.63
14.00	2.96	298.22	2.96
14.50	2.52	298.16	2.52
15.00	2.21	298.12	2.21
15.50	1.90	298.07	1.90
16.00	1.59	298.02	1.59
16.50	1.38	297.98	1.38
17.00	1.24	297.96	1.24
17.50	1.10	297.93	1.10
18.00	0.96	297.90	0.96
18.50	0.88	297.88	0.88
19.00	0.84	297.88	0.84
19.50	0.80	297.87	0.80
20.00	0.76	297.86	0.76
20.50	0.72	297.85	0.72
21.00	0.69	297.84	0.69
21.50	0.66	297.83	0.66
22.00	0.63	297.82	0.63
22.50	0.60	297.82	0.60
23.00	0.56	297.81	0.56
23.50	0.53	297.80	0.53
24.00	0.50	297.79	0.50

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

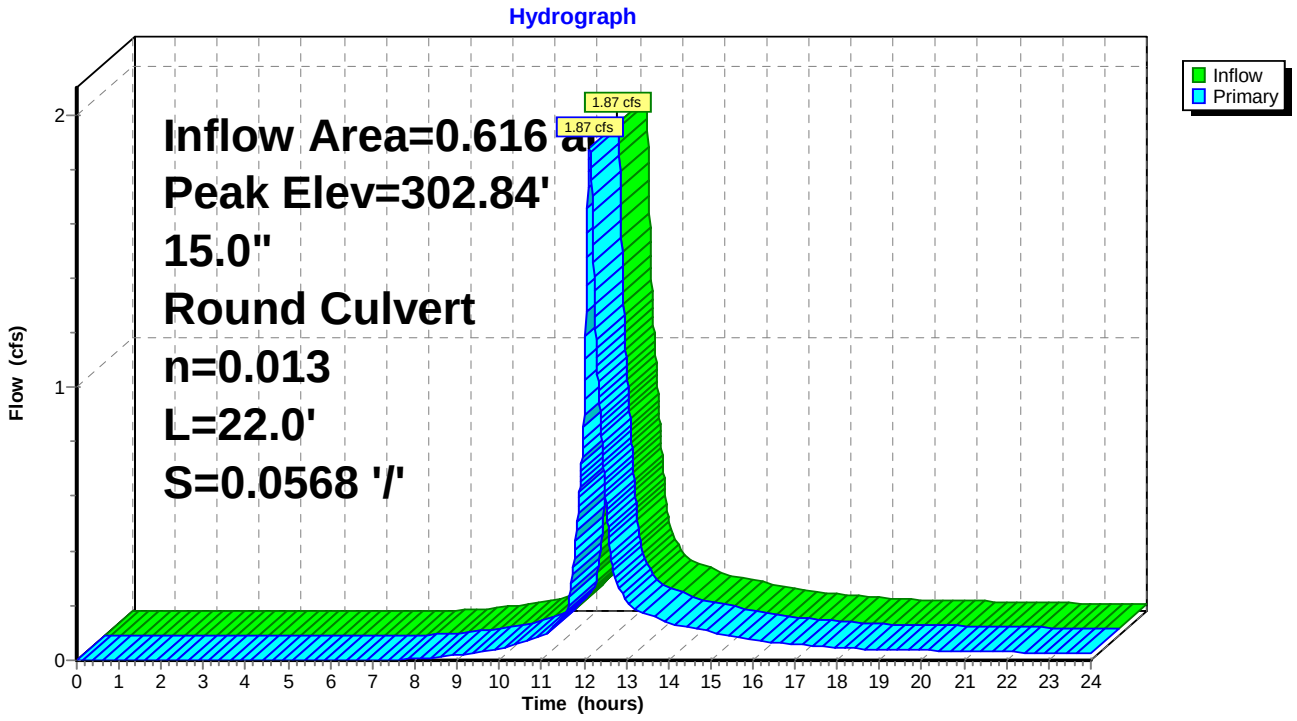
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af
Outflow = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min
Primary = 1.87 cfs @ 12.14 hrs, Volume= 0.153 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.84' @ 12.14 hrs
Flood Elev= 304.80'

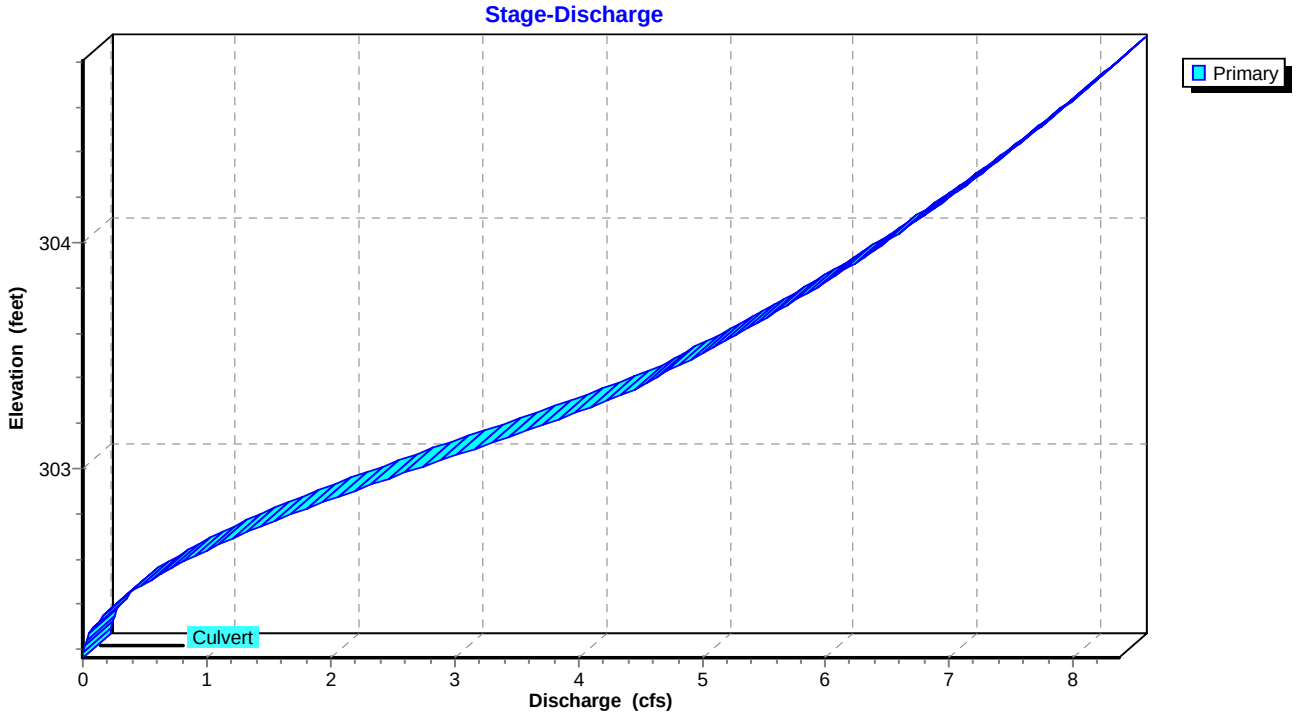
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.87 cfs @ 12.14 hrs HW=302.84' TW=300.12' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.87 cfs @ 2.79 fps)

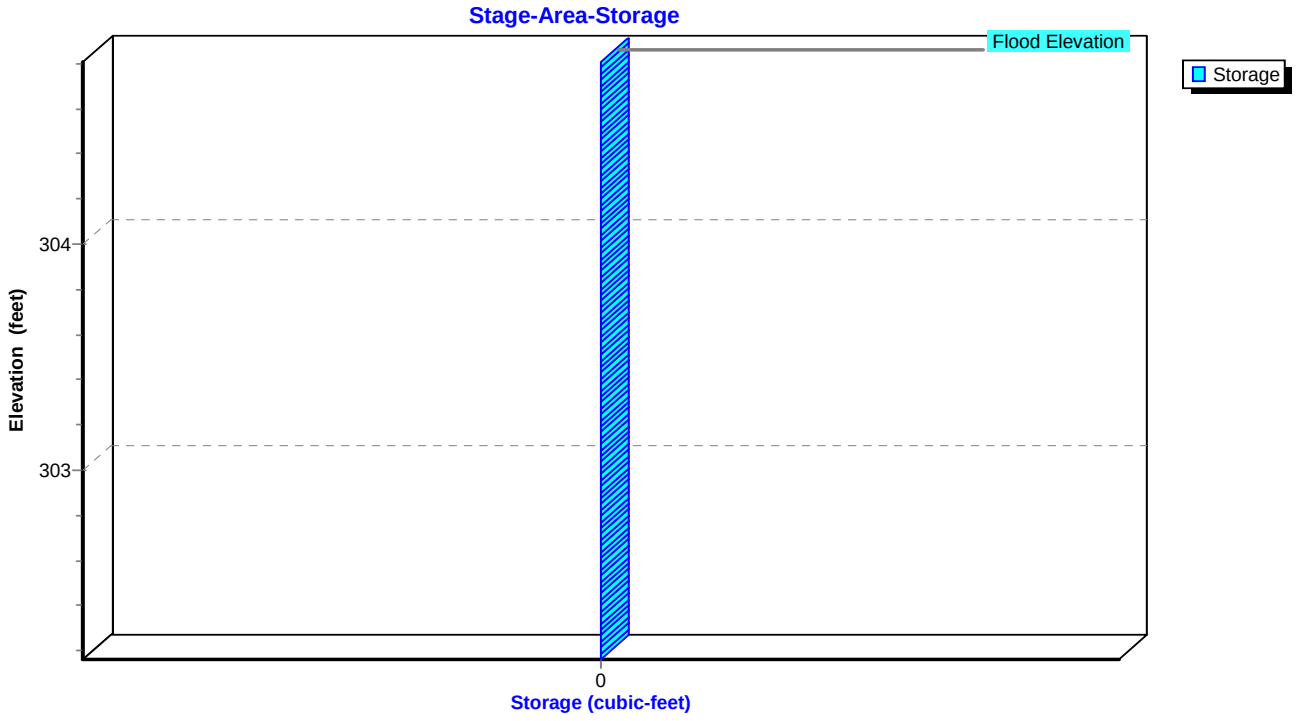
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.17	0.00
7.50	0.00	302.19	0.00
8.00	0.01	302.20	0.01
8.50	0.01	302.22	0.01
9.00	0.02	302.23	0.02
9.50	0.03	302.25	0.03
10.00	0.04	302.26	0.04
10.50	0.06	302.28	0.06
11.00	0.09	302.31	0.09
11.50	0.16	302.35	0.16
12.00	**0.90**	**302.62**	**0.90**
12.50	**0.64**	**302.54**	**0.64**
13.00	0.22	302.39	0.22
13.50	0.17	302.36	0.17
14.00	0.14	302.34	0.14
14.50	0.12	302.33	0.12
15.00	0.10	302.32	0.10
15.50	0.09	302.30	0.09
16.00	0.07	302.29	0.07
16.50	0.07	302.28	0.07
17.00	0.06	302.28	0.06
17.50	0.05	302.27	0.05
18.00	0.05	302.27	0.05
18.50	0.04	302.26	0.04
19.00	0.04	302.26	0.04
19.50	0.04	302.26	0.04
20.00	0.04	302.26	0.04
20.50	0.03	302.25	0.03
21.00	0.03	302.25	0.03
21.50	0.03	302.25	0.03
22.00	0.03	302.25	0.03
22.50	0.03	302.25	0.03
23.00	0.03	302.24	0.03
23.50	0.03	302.24	0.03
24.00	0.02	302.24	0.02

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

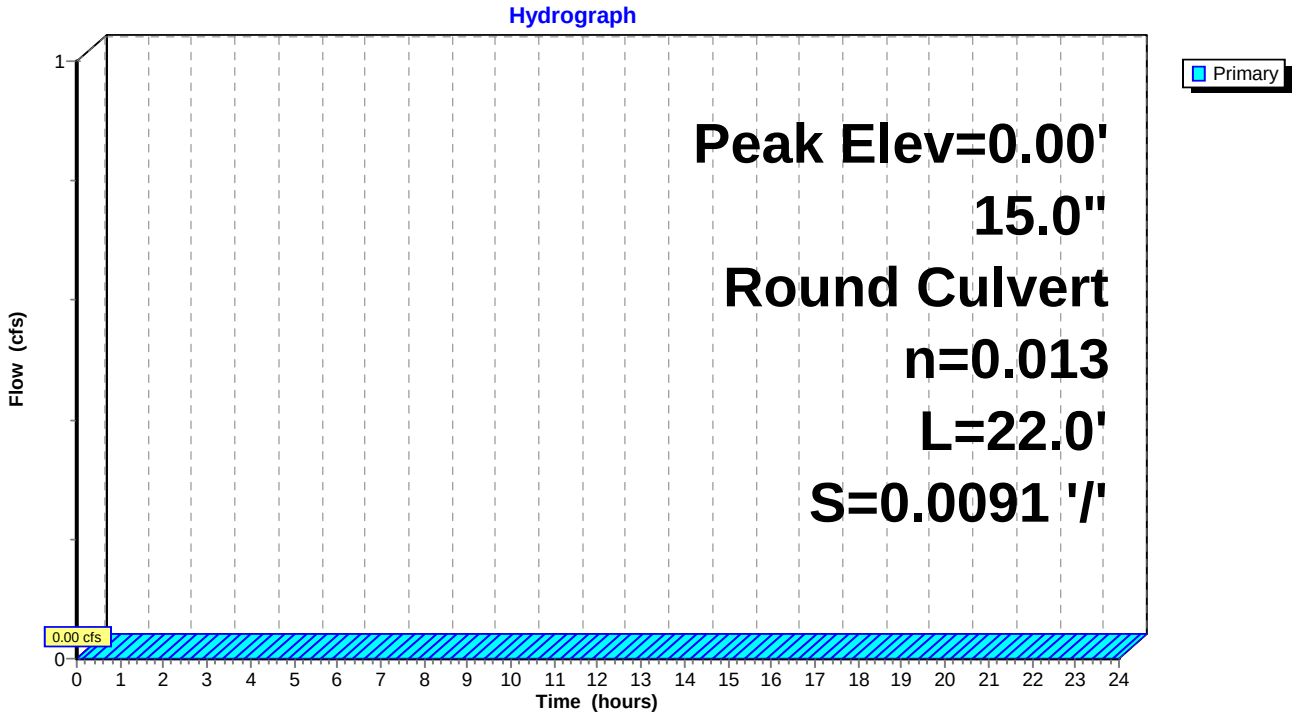
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

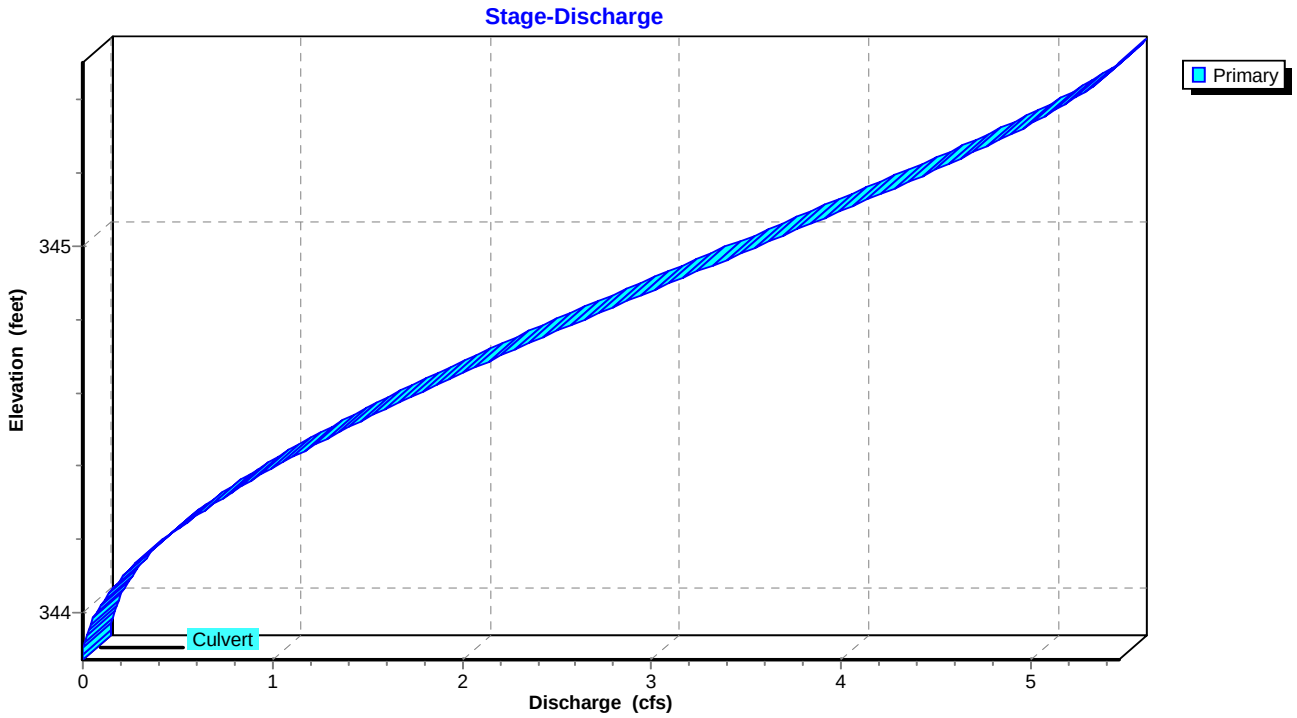
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

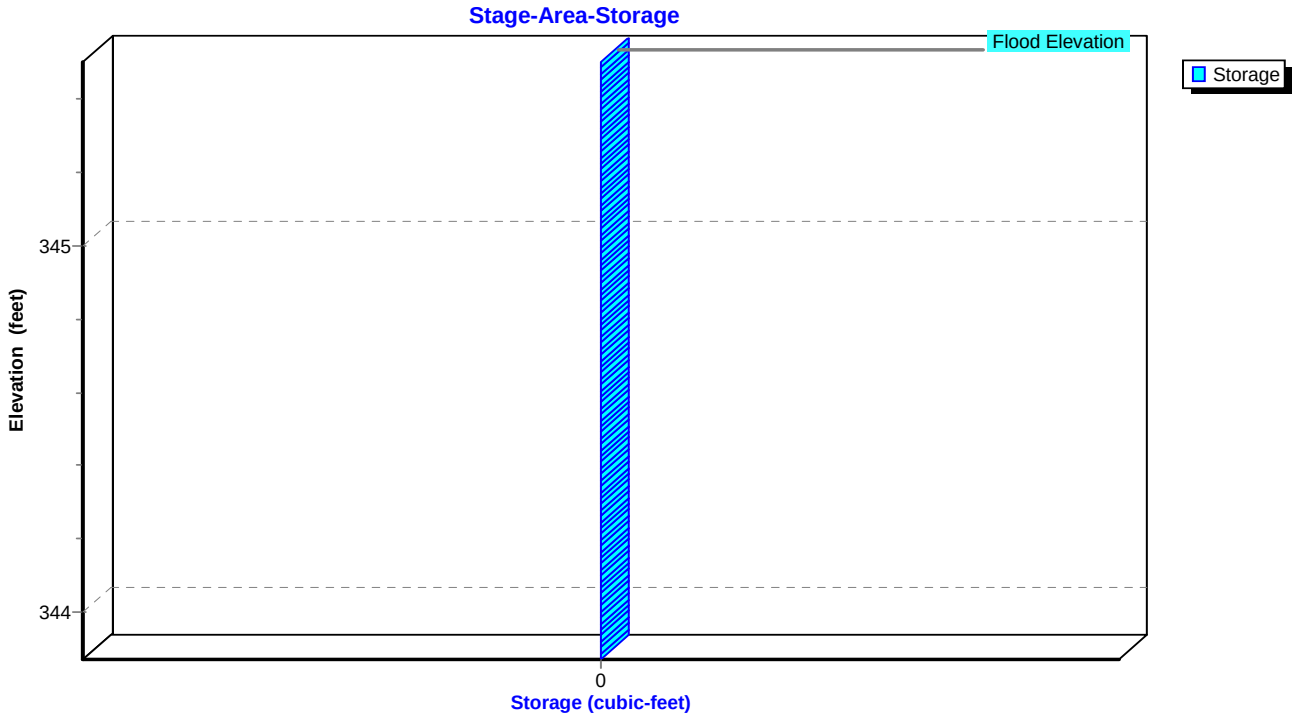
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

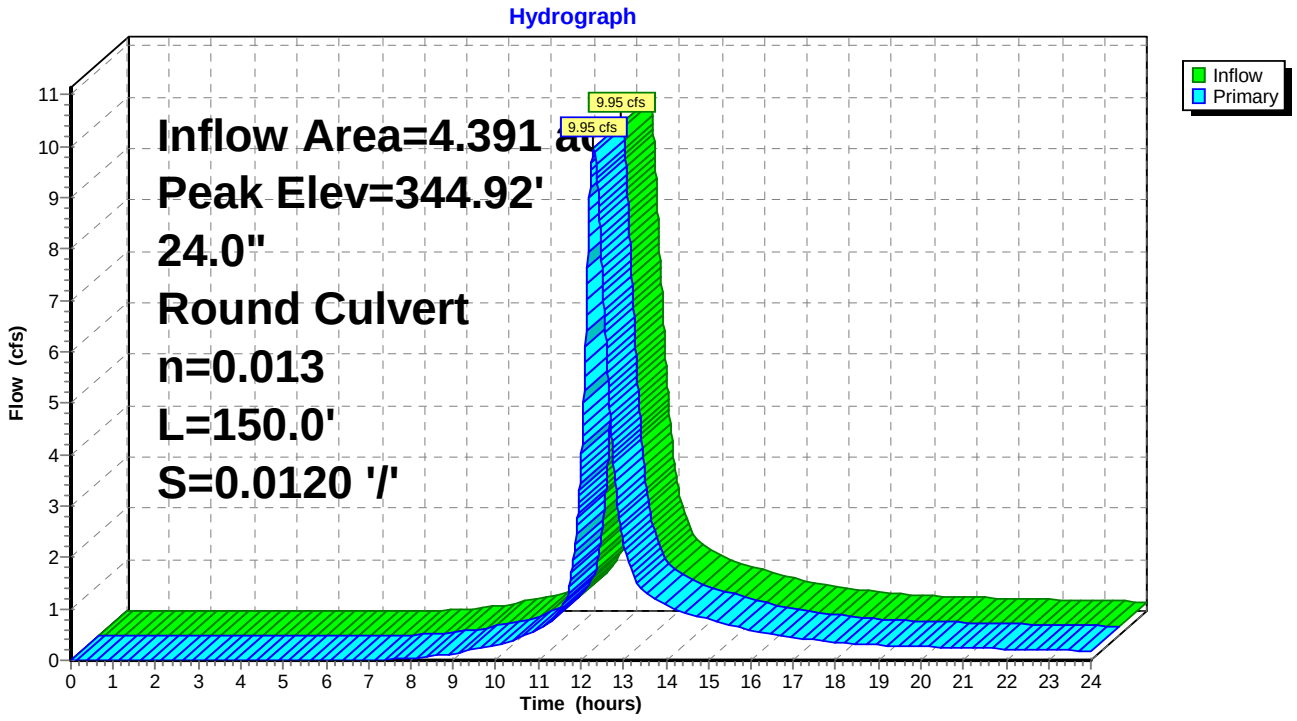
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af
Outflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af, Atten= 0%, Lag= 0.0 min
Primary = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.92' @ 12.30 hrs
Flood Elev= 347.00'

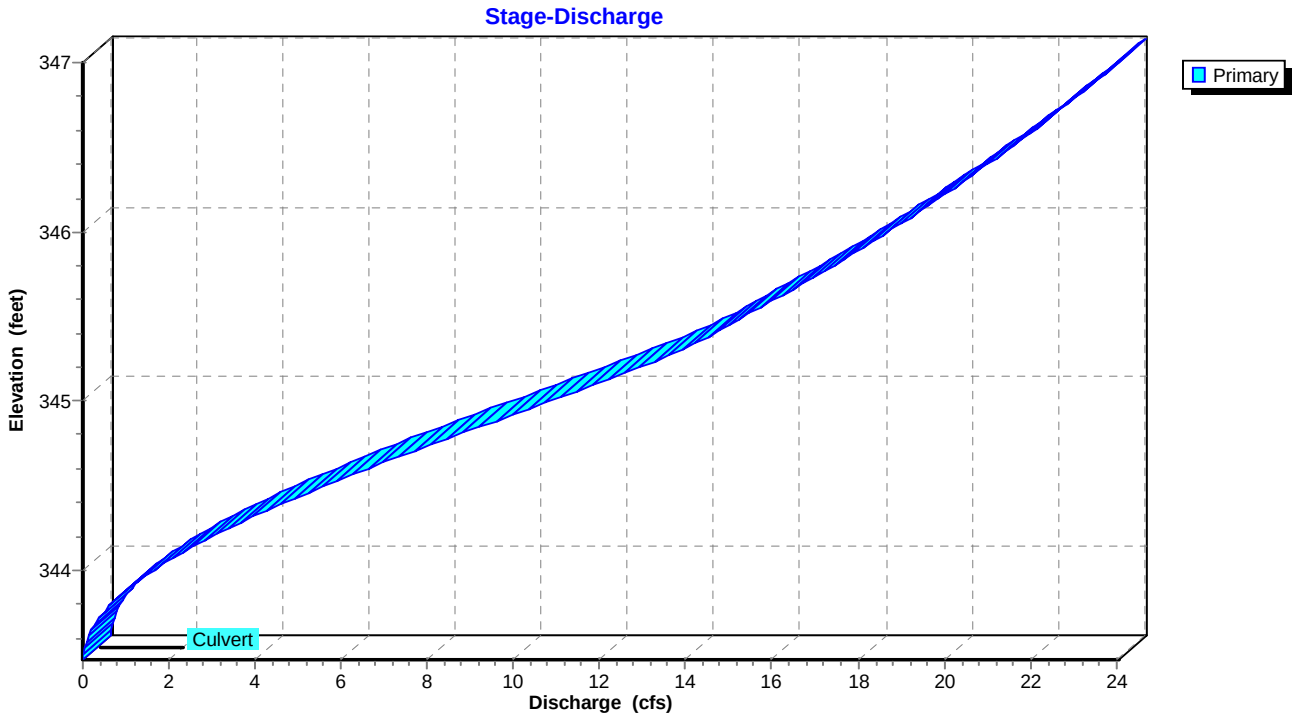
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.95 cfs @ 12.30 hrs HW=344.92' TW=343.13' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.95 cfs @ 4.09 fps)

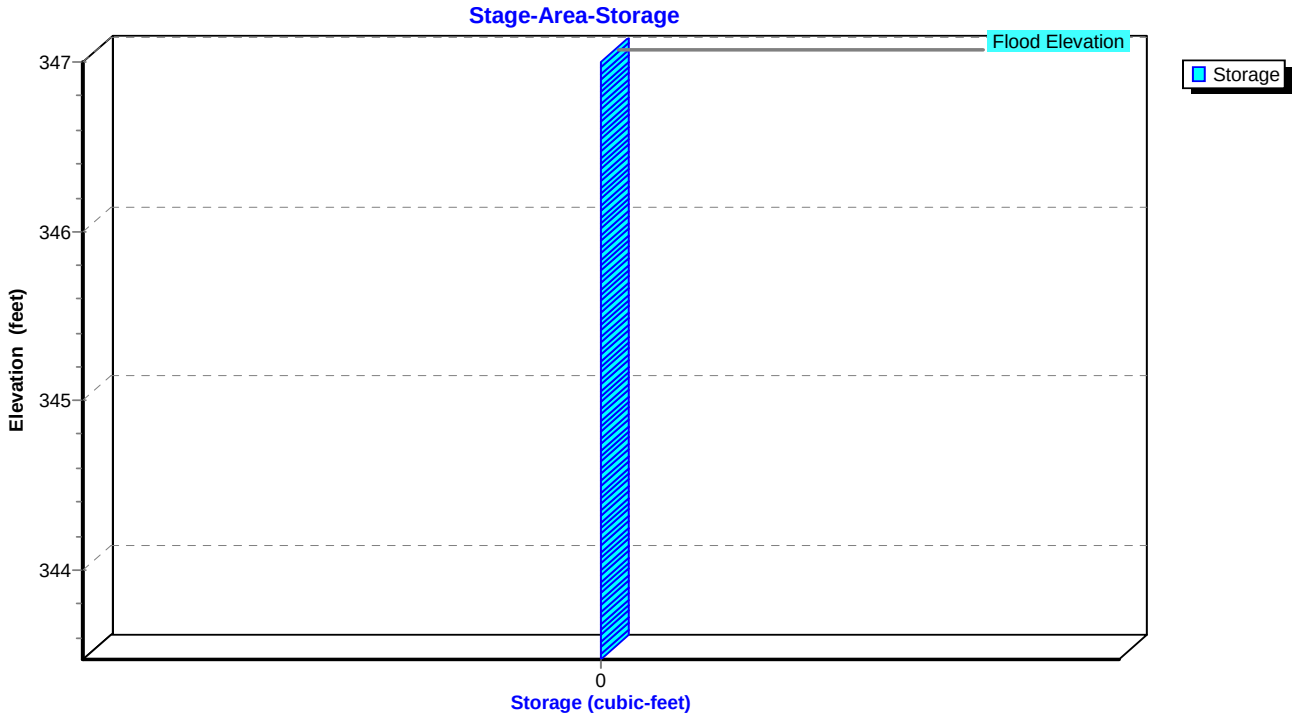
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.47	0.00
6.50	0.00	343.47	0.00
7.00	0.00	343.49	0.00
7.50	0.01	343.52	0.01
8.00	0.04	343.55	0.04
8.50	0.08	343.58	0.08
9.00	0.13	343.62	0.13
9.50	0.21	343.65	0.21
10.00	0.30	343.69	0.30
10.50	0.42	343.73	0.42
11.00	0.60	343.78	0.60
11.50	0.96	343.87	0.96
12.00	**3.71**	**344.29**	**3.71**
12.50	**7.62**	**344.70**	**7.62**
13.00	2.30	344.10	2.30
13.50	1.34	343.94	1.34
14.00	1.08	343.89	1.08
14.50	0.90	343.86	0.90
15.00	0.79	343.83	0.79
15.50	0.69	343.81	0.69
16.00	0.58	343.78	0.58
16.50	0.49	343.75	0.49
17.00	0.44	343.74	0.44
17.50	0.39	343.72	0.39
18.00	0.35	343.71	0.35
18.50	0.31	343.69	0.31
19.00	0.29	343.69	0.29
19.50	0.28	343.68	0.28
20.00	0.27	343.68	0.27
20.50	0.25	343.67	0.25
21.00	0.24	343.67	0.24
21.50	0.23	343.66	0.23
22.00	0.22	343.66	0.22
22.50	0.21	343.65	0.21
23.00	0.20	343.65	0.20
23.50	0.19	343.64	0.19
24.00	0.18	343.64	0.18

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

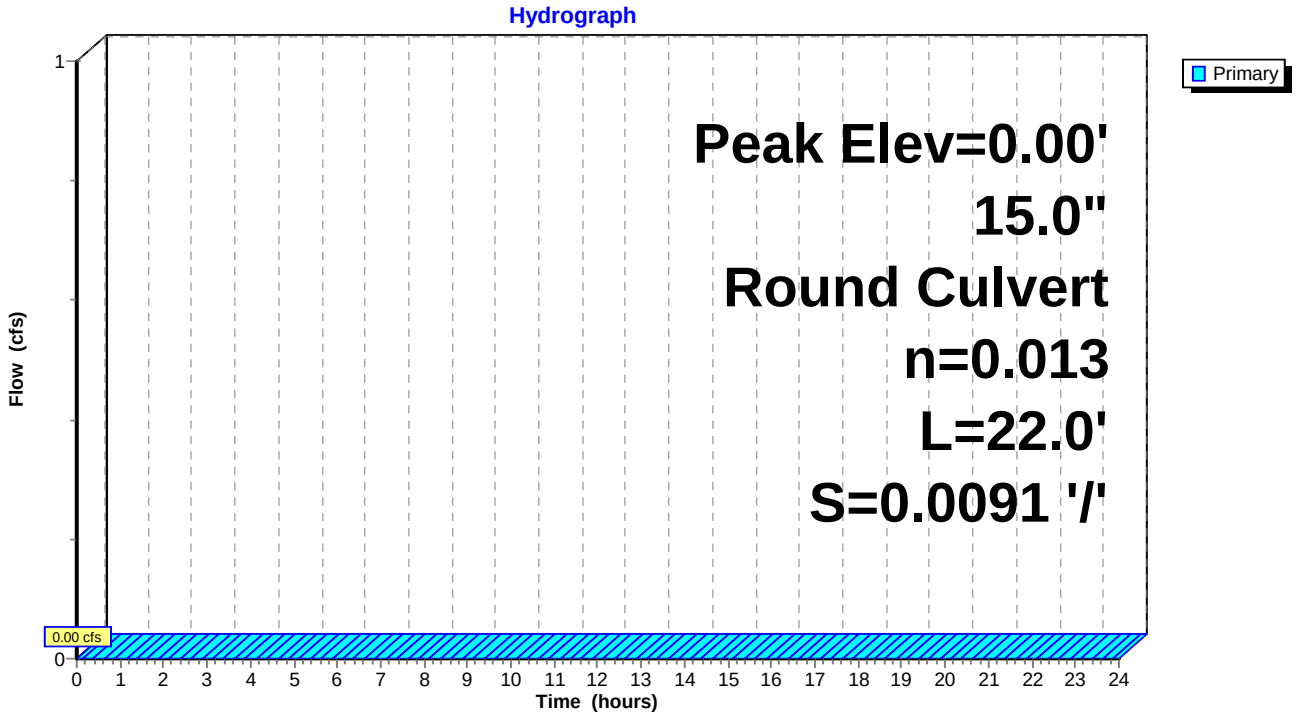
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

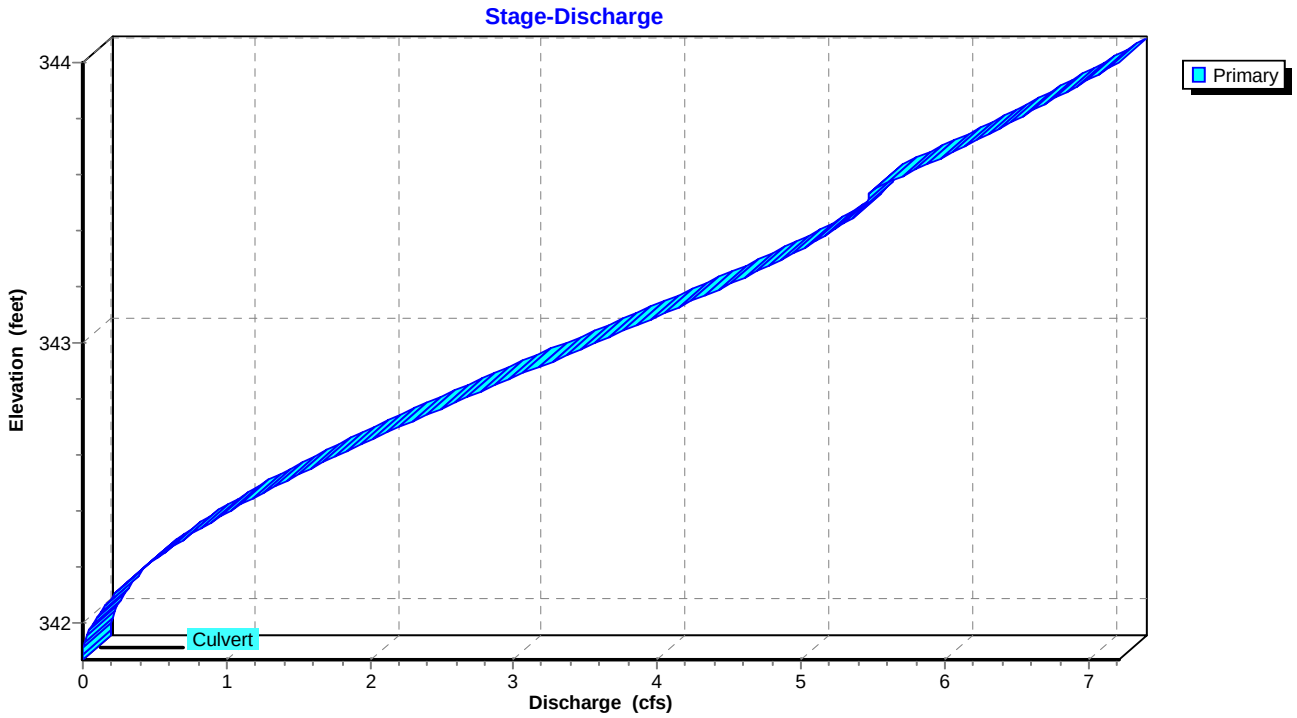
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

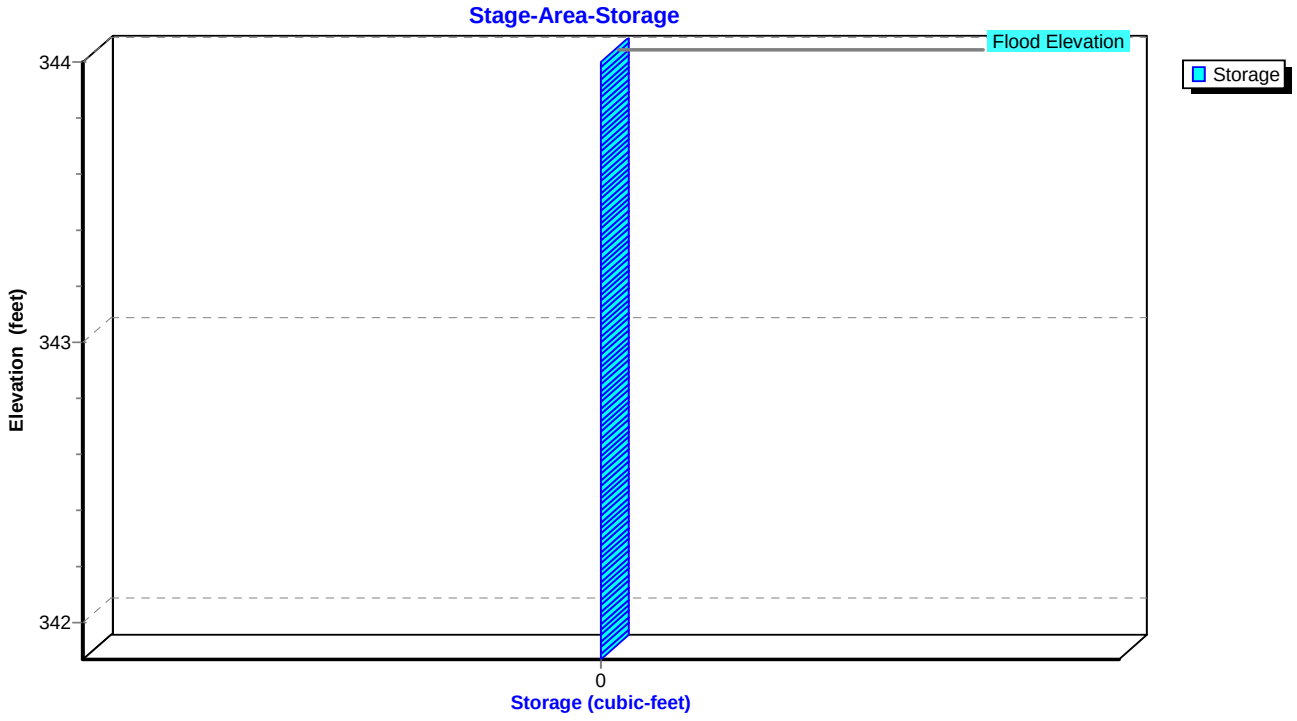
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

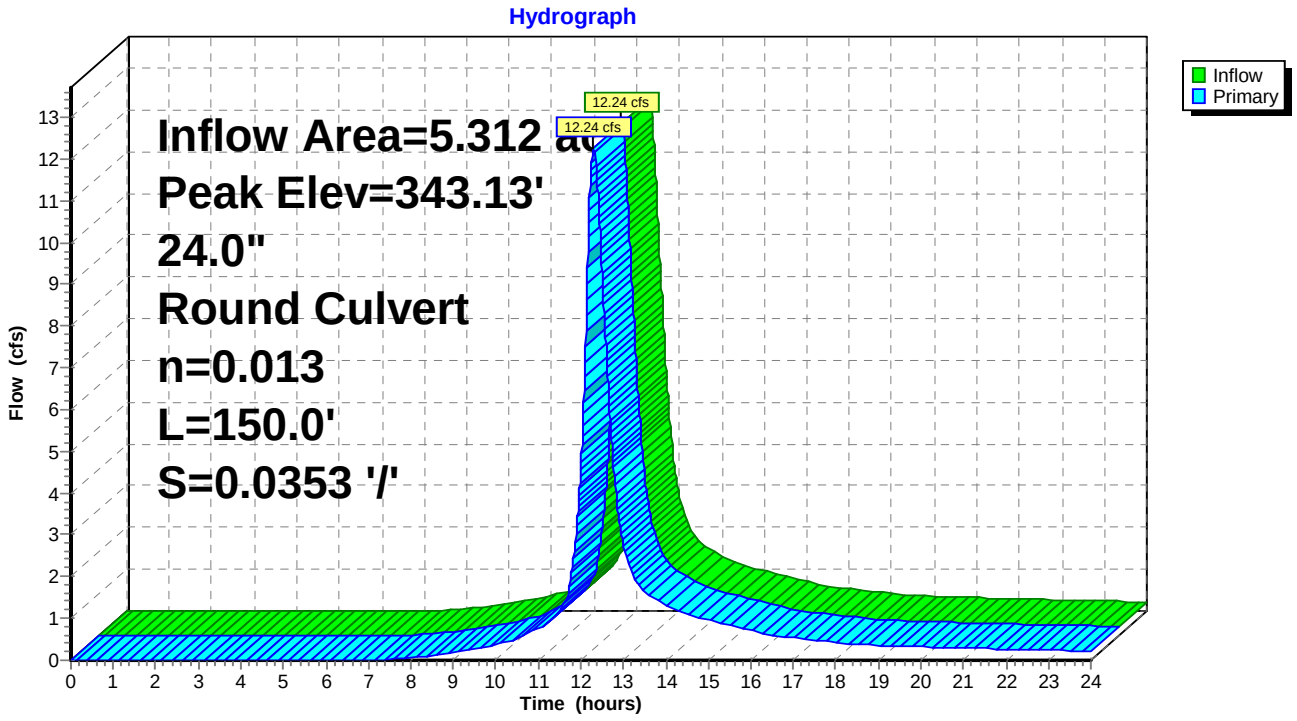
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 3.10" for 10-Year event
Inflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af
Outflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af, Atten= 0%, Lag= 0.0 min
Primary = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.13' @ 12.30 hrs
Flood Elev= 345.00'

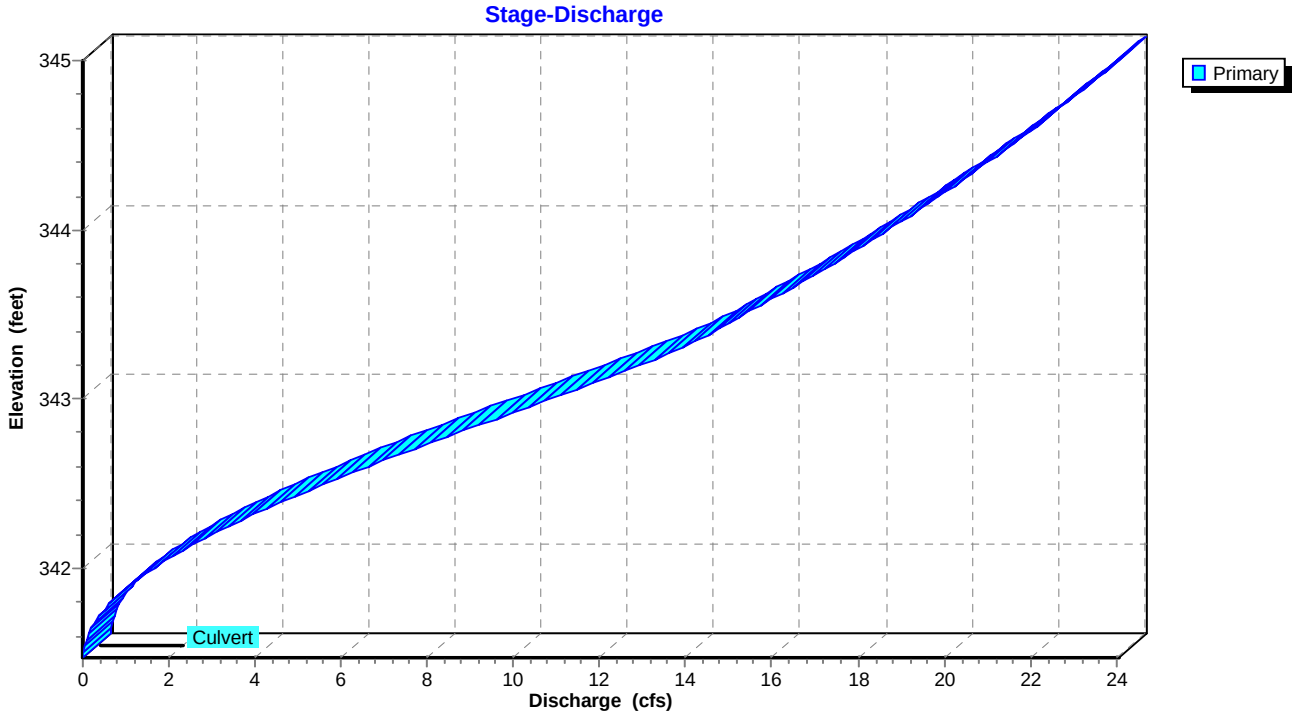
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.24 cfs @ 12.30 hrs HW=343.13' TW=337.11' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.24 cfs @ 4.39 fps)

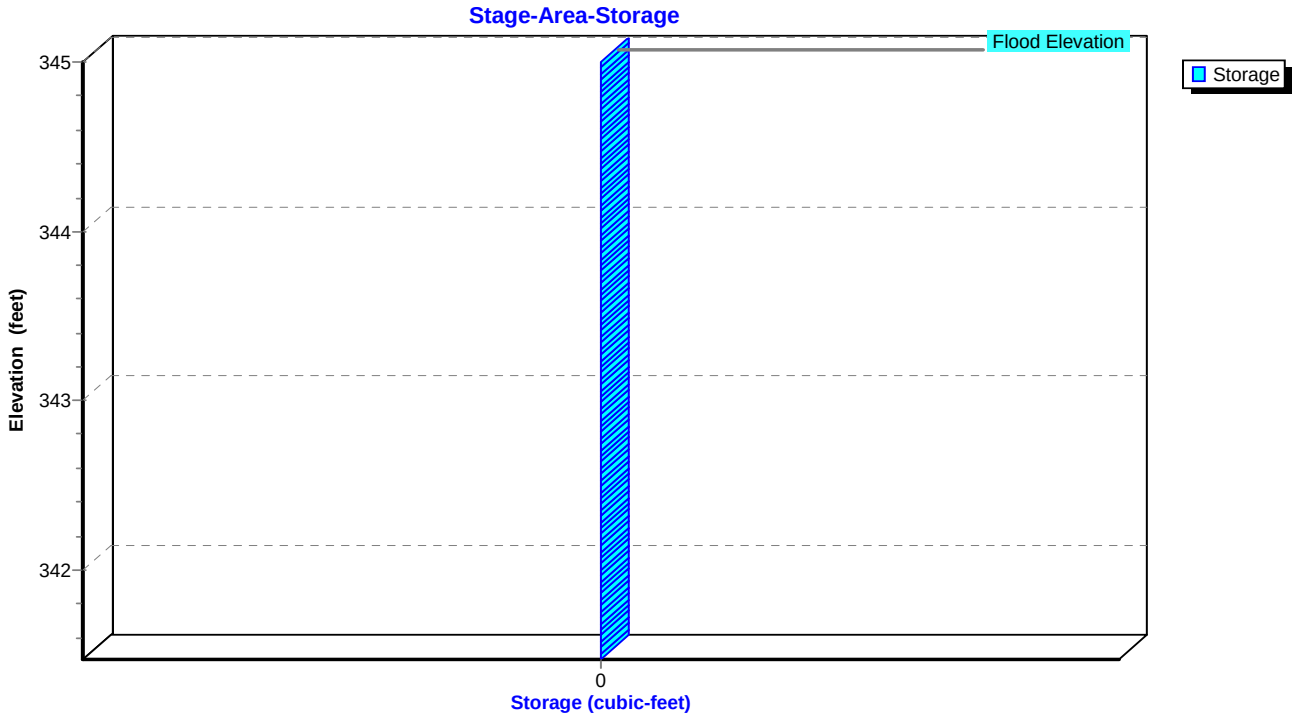
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.47	0.00
6.50	0.00	341.47	0.00
7.00	0.01	341.50	0.01
7.50	0.02	341.53	0.02
8.00	0.06	341.56	0.06
8.50	0.10	341.60	0.10
9.00	0.17	341.64	0.17
9.50	0.26	341.68	0.26
10.00	0.37	341.72	0.37
10.50	0.53	341.76	0.53
11.00	0.75	341.82	0.75
11.50	1.19	341.92	1.19
12.00	**4.58**	**342.39**	**4.58**
12.50	**9.28**	**342.85**	**9.28**
13.00	2.78	342.17	2.78
13.50	1.62	342.00	1.62
14.00	1.32	341.94	1.32
14.50	1.10	341.90	1.10
15.00	0.96	341.87	0.96
15.50	0.83	341.84	0.83
16.00	0.70	341.81	0.70
16.50	0.60	341.78	0.60
17.00	0.54	341.77	0.54
17.50	0.48	341.75	0.48
18.00	0.42	341.73	0.42
18.50	0.38	341.72	0.38
19.00	0.36	341.71	0.36
19.50	0.34	341.70	0.34
20.00	0.32	341.70	0.32
20.50	0.31	341.69	0.31
21.00	0.29	341.69	0.29
21.50	0.28	341.68	0.28
22.00	0.27	341.68	0.27
22.50	0.25	341.67	0.25
23.00	0.24	341.67	0.24
23.50	0.23	341.66	0.23
24.00	0.21	341.66	0.21

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
341.47	**0**
341.52	0
341.57	0
341.62	0
341.67	0
341.72	0
341.77	0
341.82	0
341.87	0
341.92	0
341.97	0
342.02	0
342.07	0
342.12	0
342.17	0
342.22	0
342.27	0
342.32	0
342.37	0
342.42	0
342.47	0
342.52	0
342.57	0
342.62	0
342.67	0
342.72	0
342.77	0
342.82	0
342.87	0
342.92	0
342.97	0
343.02	0
343.07	0
343.12	0
343.17	0
343.22	0
343.27	0
343.32	0
343.37	0
343.42	0
343.47	0
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0

Summary for Pond CB4: Catchbasin

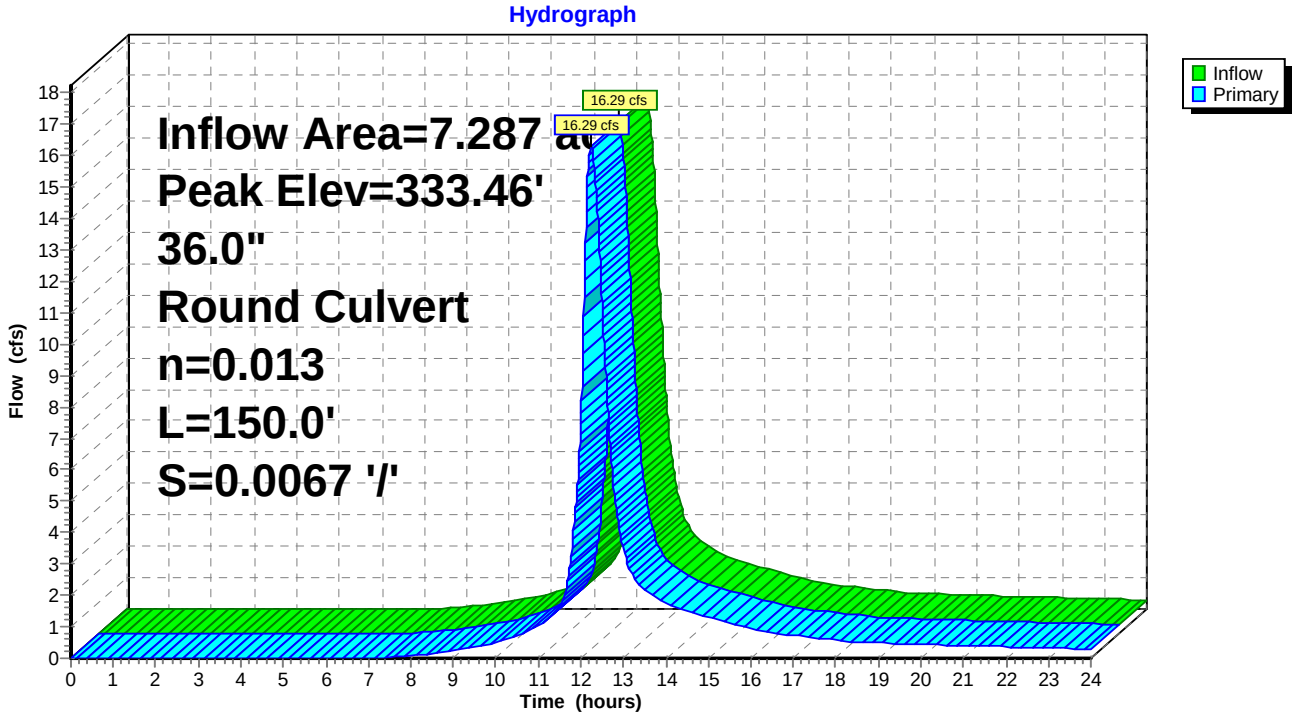
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.46' @ 12.24 hrs
Flood Elev= 337.75'

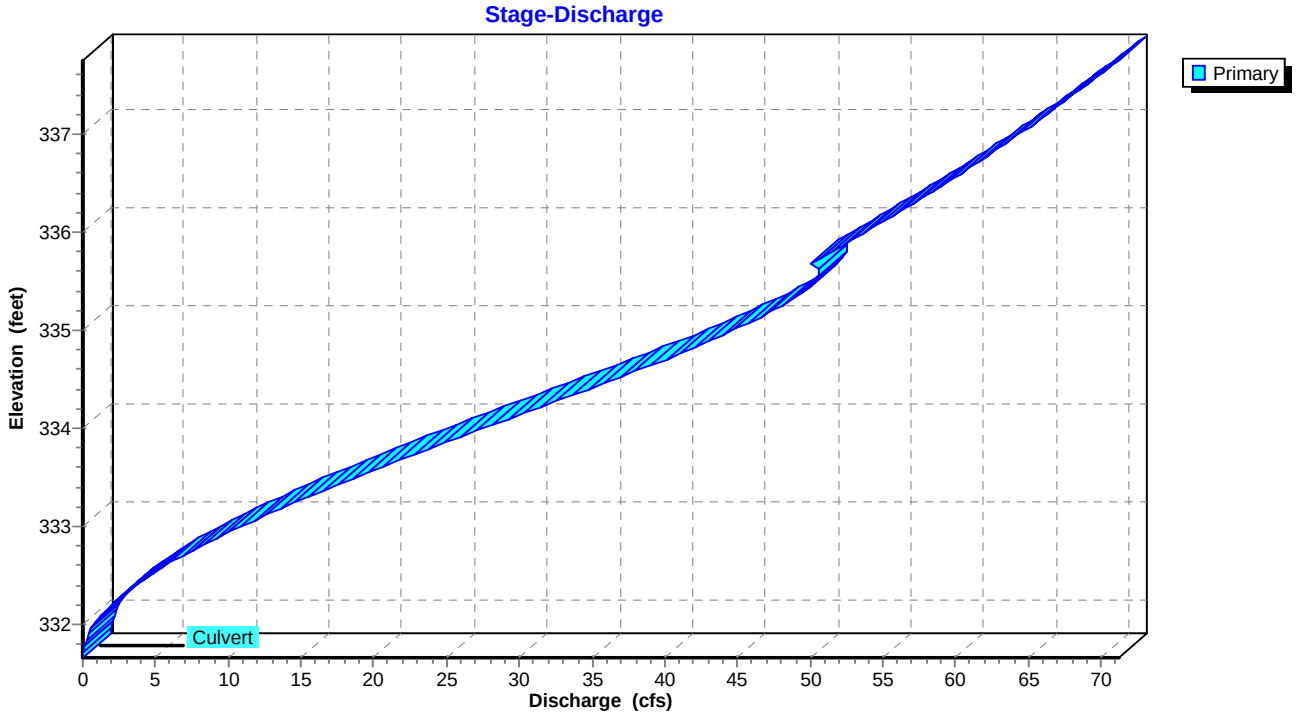
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.30 cfs @ 12.24 hrs HW=333.46' TW=332.28' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.30 cfs @ 5.32 fps)

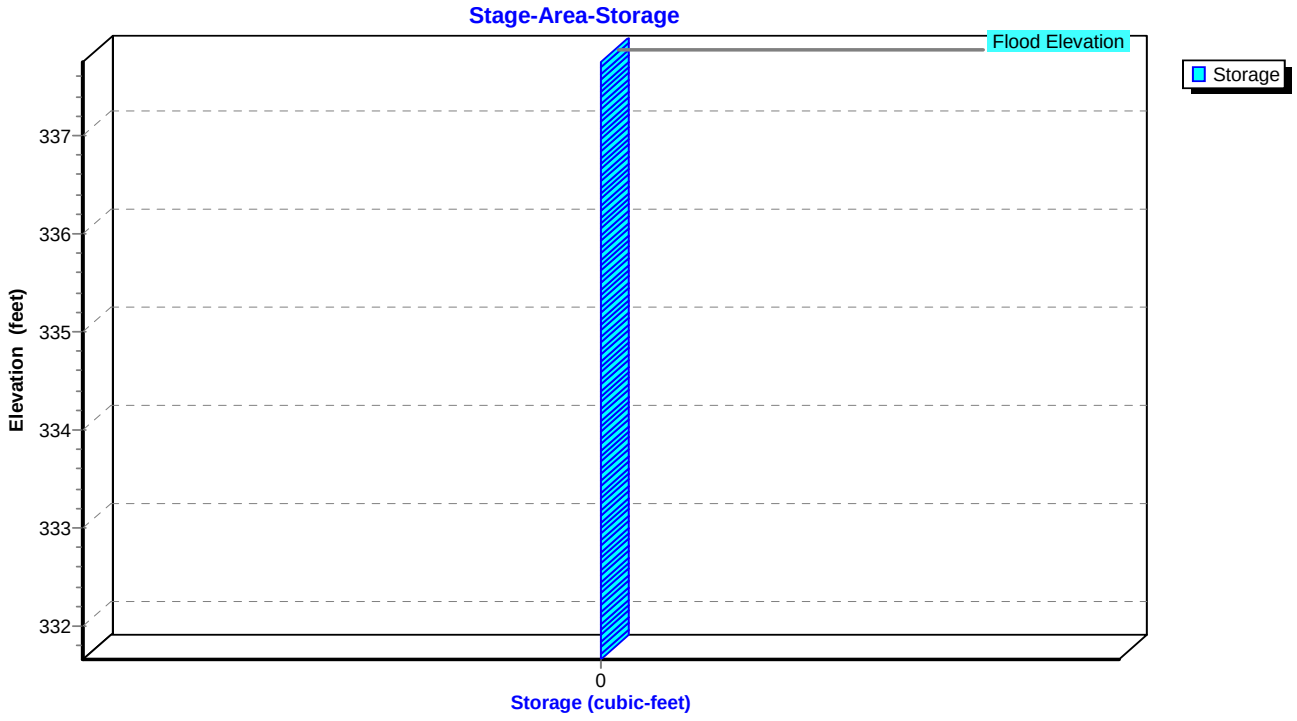
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.67	0.00
6.50	0.00	331.68	0.00
7.00	0.01	331.70	0.01
7.50	0.03	331.74	0.03
8.00	0.07	331.78	0.07
8.50	0.14	331.82	0.14
9.00	0.23	331.86	0.23
9.50	0.36	331.90	0.36
10.00	0.51	331.95	0.51
10.50	0.73	332.00	0.73
11.00	1.04	332.06	1.04
11.50	1.70	332.17	1.70
12.00	**7.45**	**332.78**	**7.45**
12.50	**11.34**	**333.09**	**11.34**
13.00	3.49	332.39	3.49
13.50	2.16	332.24	2.16
14.00	1.76	332.18	1.76
14.50	1.48	332.14	1.48
15.00	1.30	332.11	1.30
15.50	1.12	332.08	1.12
16.00	0.94	332.04	0.94
16.50	0.81	332.02	0.81
17.00	0.72	332.00	0.72
17.50	0.64	331.98	0.64
18.00	0.57	331.96	0.57
18.50	0.51	331.95	0.51
19.00	0.49	331.94	0.49
19.50	0.46	331.93	0.46
20.00	0.44	331.93	0.44
20.50	0.42	331.92	0.42
21.00	0.40	331.92	0.40
21.50	0.38	331.91	0.38
22.00	0.36	331.91	0.36
22.50	0.34	331.90	0.34
23.00	0.33	331.89	0.33
23.50	0.31	331.89	0.31
24.00	0.29	331.88	0.29

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

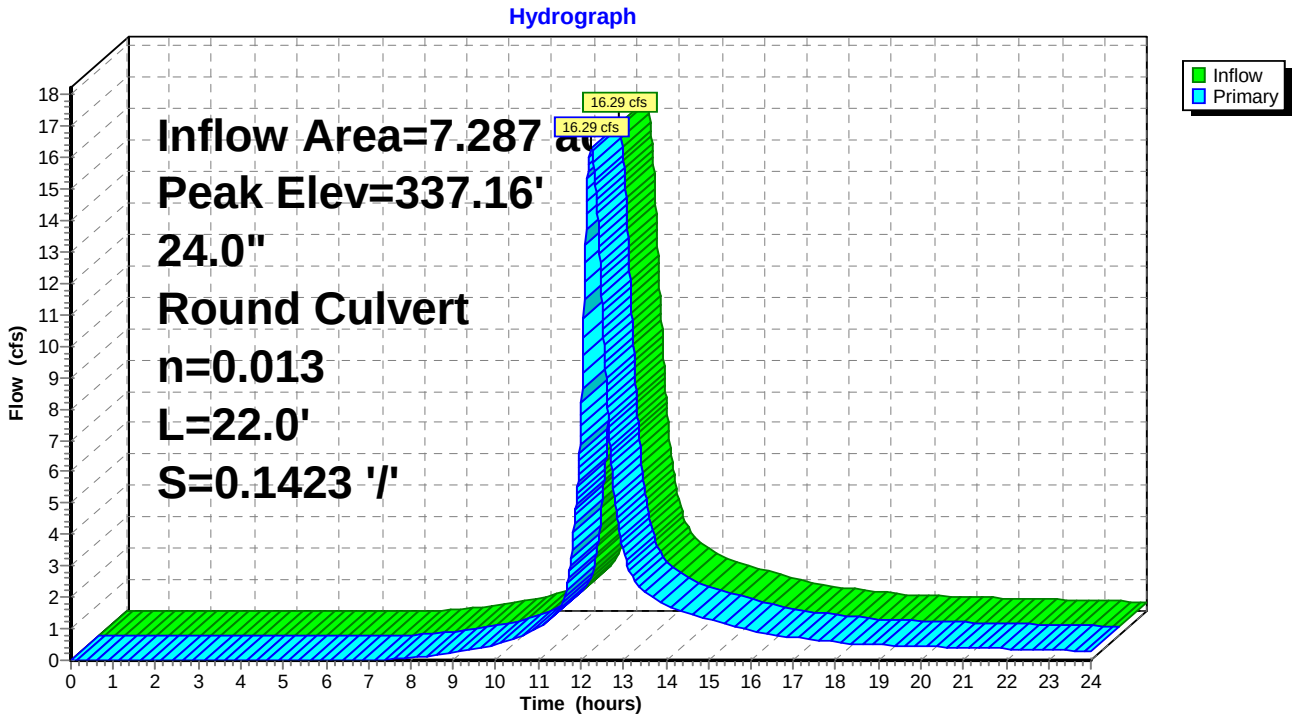
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.16' @ 12.24 hrs
Flood Elev= 339.50'

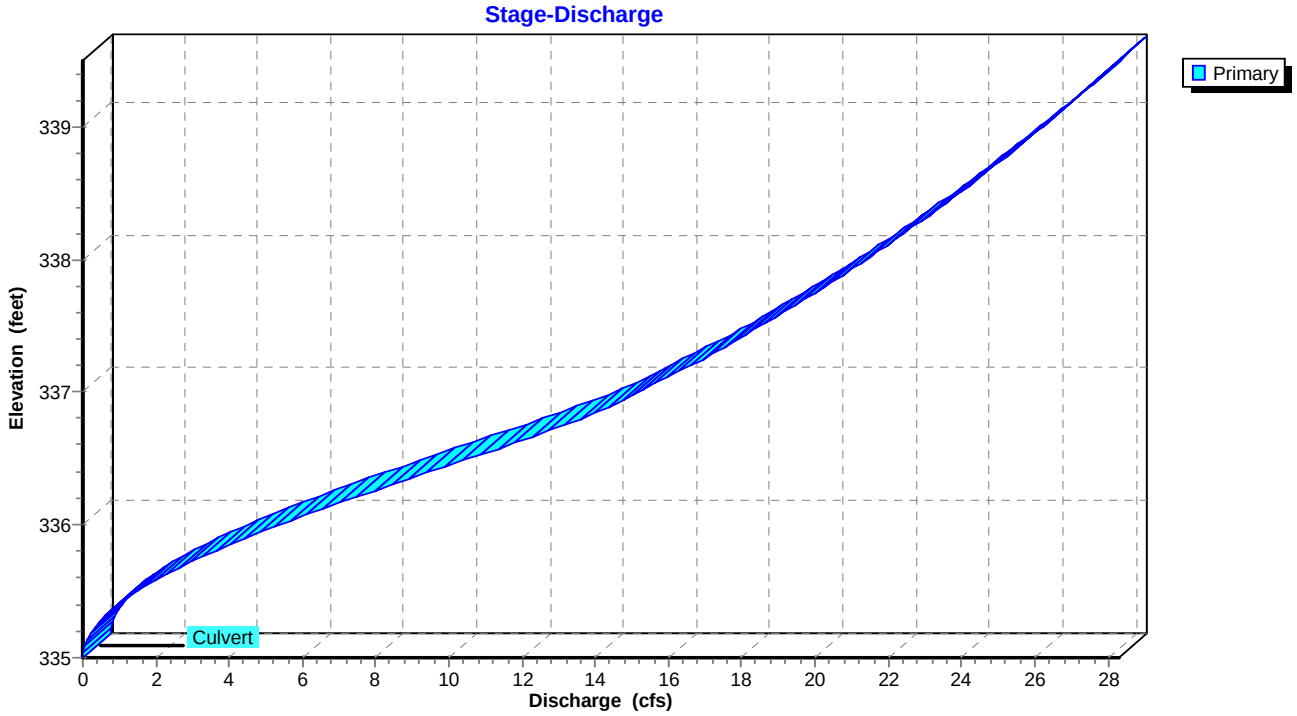
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.29 cfs @ 12.24 hrs HW=337.16' TW=333.46' (Dynamic Tailwater)
1=Culvert (Inlet Controls 16.29 cfs @ 5.18 fps)

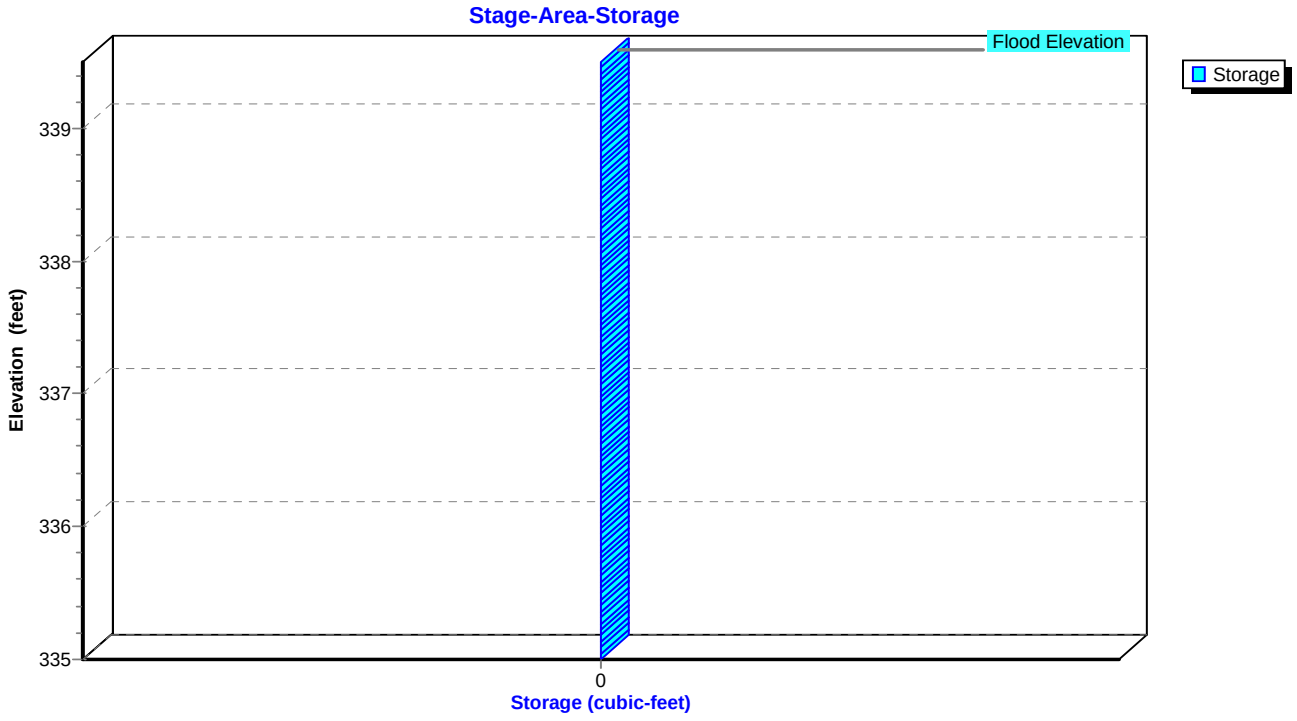
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.00	0.00
6.50	0.00	335.00	0.00
7.00	0.01	335.03	0.01
7.50	0.03	335.06	0.03
8.00	0.07	335.11	0.07
8.50	0.14	335.15	0.14
9.00	0.23	335.19	0.23
9.50	0.36	335.24	0.36
10.00	0.51	335.29	0.51
10.50	0.73	335.35	0.73
11.00	1.04	335.42	1.04
11.50	1.70	335.54	1.70
12.00	**7.45**	**336.21**	**7.45**
12.50	**11.34**	**336.58**	**11.34**
13.00	3.49	335.79	3.49
13.50	2.16	335.61	2.16
14.00	1.76	335.55	1.76
14.50	1.48	335.50	1.48
15.00	1.30	335.47	1.30
15.50	1.12	335.43	1.12
16.00	0.94	335.40	0.94
16.50	0.81	335.36	0.81
17.00	0.72	335.35	0.72
17.50	0.64	335.33	0.64
18.00	0.57	335.30	0.57
18.50	0.51	335.29	0.51
19.00	0.49	335.28	0.49
19.50	0.46	335.27	0.46
20.00	0.44	335.27	0.44
20.50	0.42	335.26	0.42
21.00	0.40	335.25	0.40
21.50	0.38	335.25	0.38
22.00	0.36	335.24	0.36
22.50	0.34	335.24	0.34
23.00	0.33	335.23	0.33
23.50	0.31	335.22	0.31
24.00	0.29	335.22	0.29

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

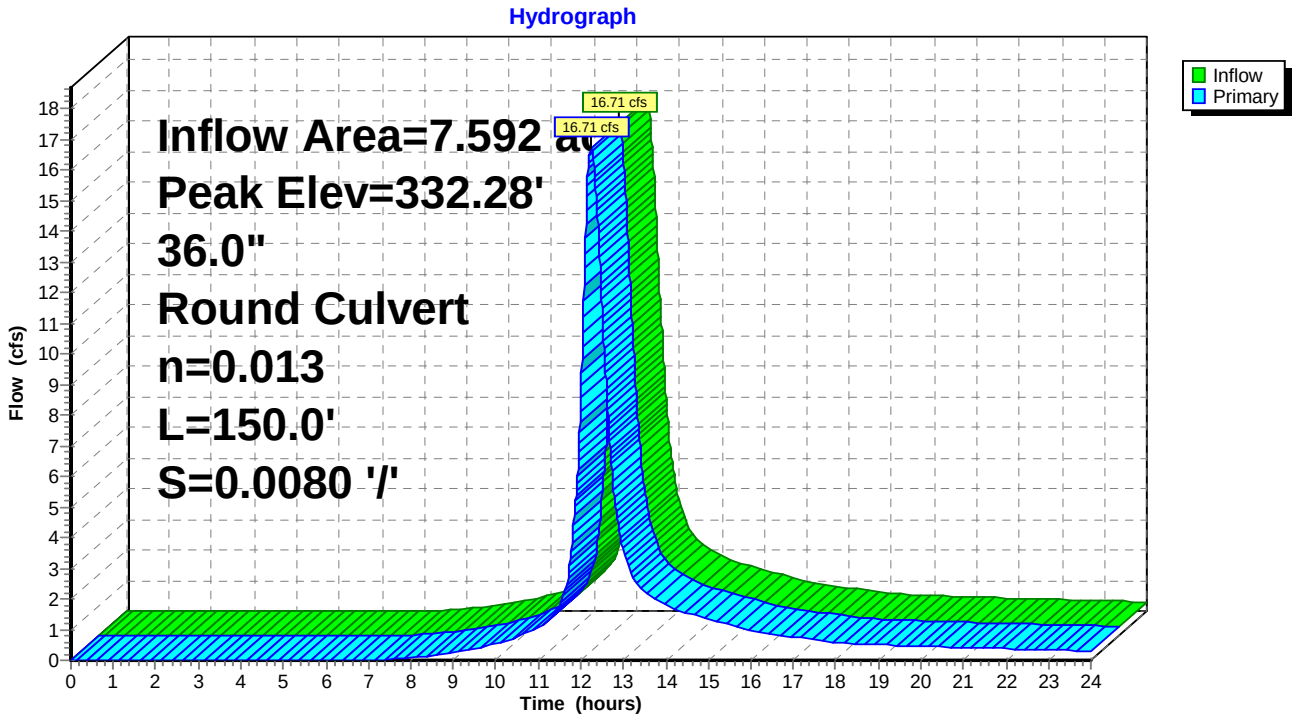
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 3.05" for 10-Year event
Inflow = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af
Outflow = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af, Atten= 0%, Lag= 0.0 min
Primary = 16.71 cfs @ 12.23 hrs, Volume= 1.932 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.28' @ 12.23 hrs
Flood Elev= 335.00'

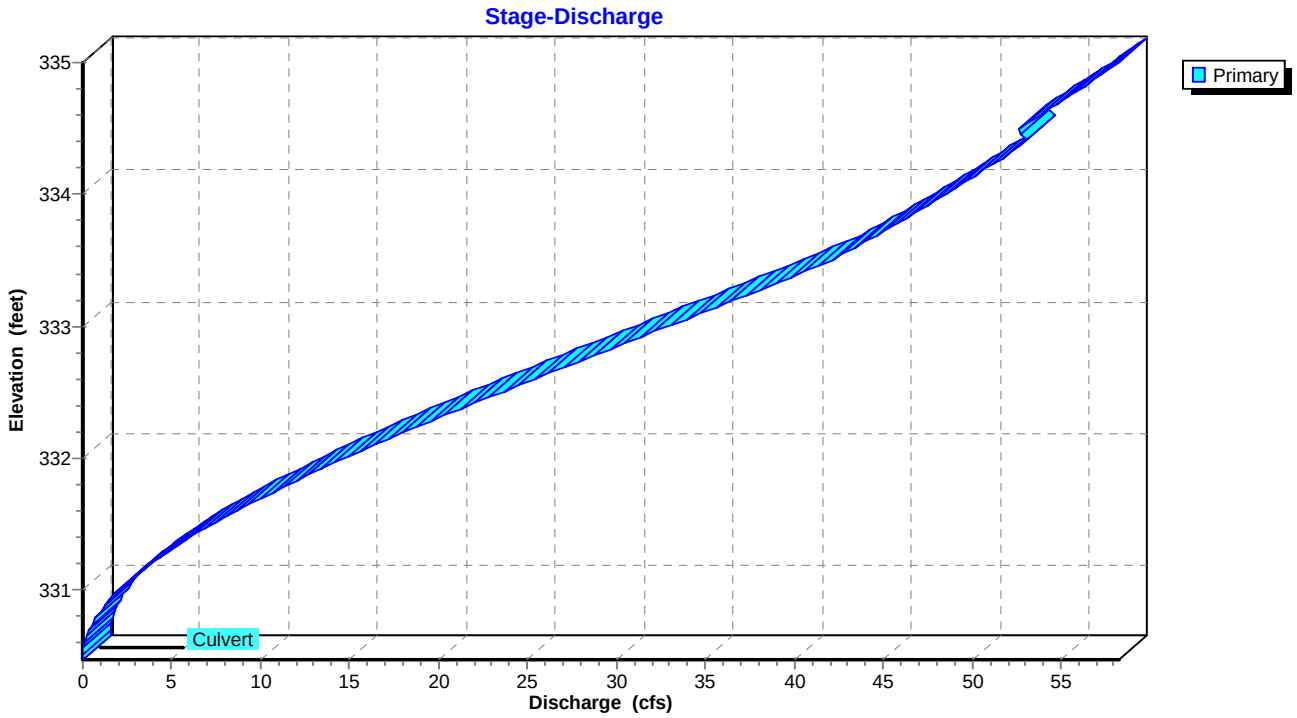
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.74 cfs @ 12.23 hrs HW=332.28' TW=331.06' (Dynamic Tailwater)
1=Culvert (Outlet Controls 16.74 cfs @ 5.40 fps)

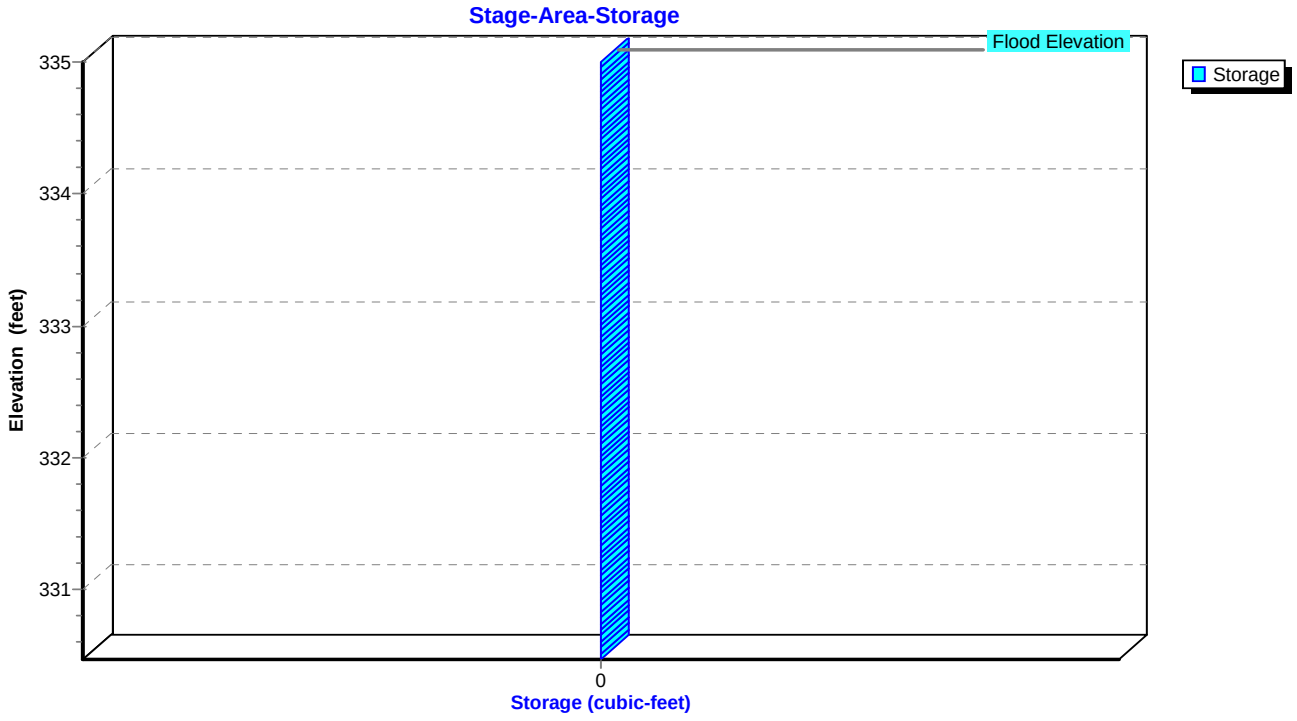
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.47	0.00
6.50	0.00	330.48	0.00
7.00	0.01	330.50	0.01
7.50	0.03	330.54	0.03
8.00	0.07	330.58	0.07
8.50	0.14	330.61	0.14
9.00	0.24	330.66	0.24
9.50	0.37	330.70	0.37
10.00	0.53	330.74	0.53
10.50	0.76	330.79	0.76
11.00	1.08	330.85	1.08
11.50	1.79	330.96	1.79
12.00	**8.56**	**331.63**	**8.56**
12.50	**11.50**	**331.87**	**11.50**
13.00	3.58	331.18	3.58
13.50	2.24	331.02	2.24
14.00	1.82	330.97	1.82
14.50	1.53	330.93	1.53
15.00	1.35	330.90	1.35
15.50	1.16	330.87	1.16
16.00	0.97	330.84	0.97
16.50	0.84	330.81	0.84
17.00	0.75	330.79	0.75
17.50	0.67	330.77	0.67
18.00	0.59	330.76	0.59
18.50	0.53	330.74	0.53
19.00	0.50	330.74	0.50
19.50	0.48	330.73	0.48
20.00	0.45	330.72	0.45
20.50	0.43	330.72	0.43
21.00	0.41	330.71	0.41
21.50	0.40	330.71	0.40
22.00	0.38	330.70	0.38
22.50	0.36	330.70	0.36
23.00	0.34	330.69	0.34
23.50	0.32	330.68	0.32
24.00	0.30	330.68	0.30

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

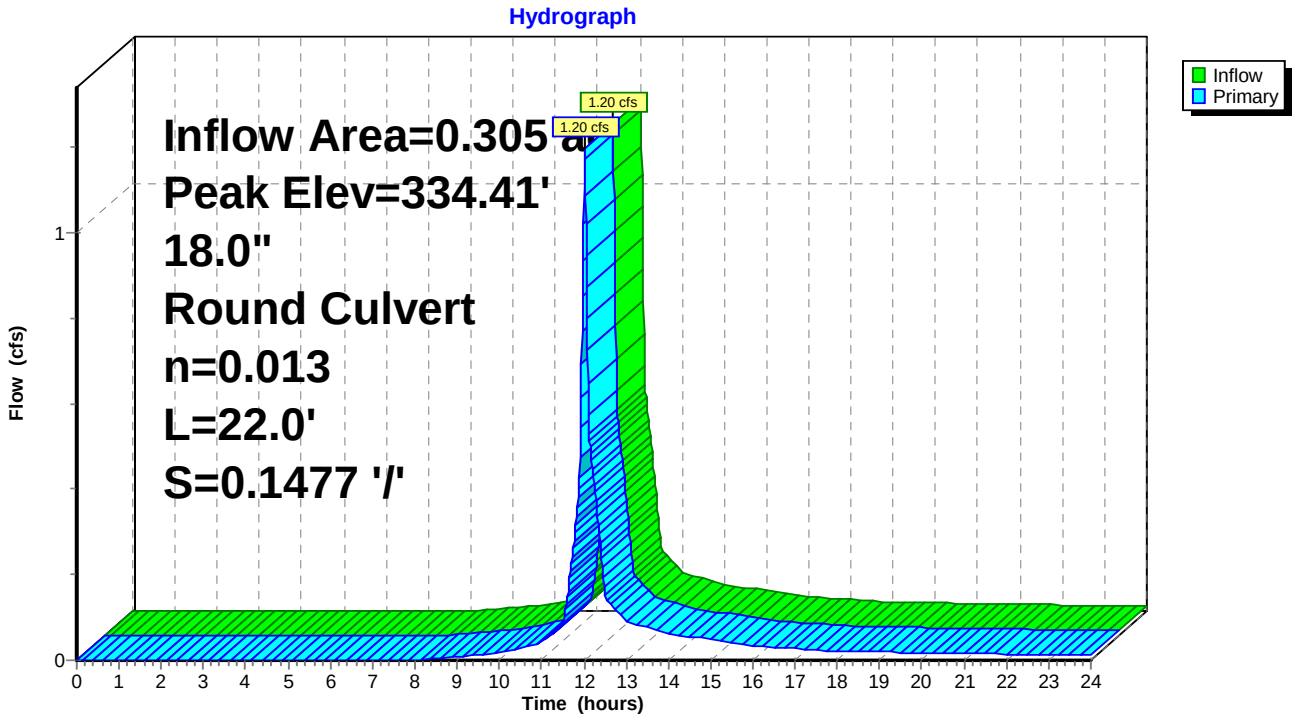
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af
Outflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af, Atten= 0%, Lag= 0.0 min
Primary = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.41' @ 12.02 hrs
Flood Elev= 336.50'

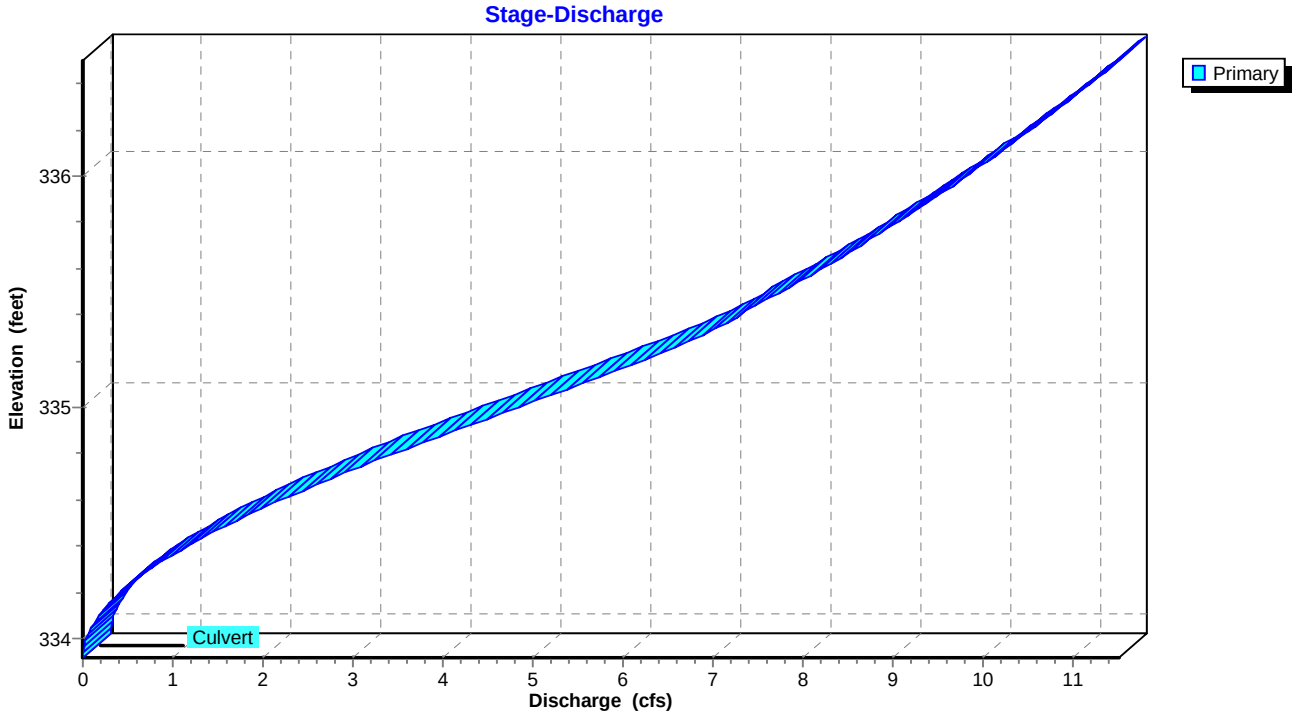
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.19 cfs @ 12.02 hrs HW=334.41' TW=331.69' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.19 cfs @ 2.38 fps)

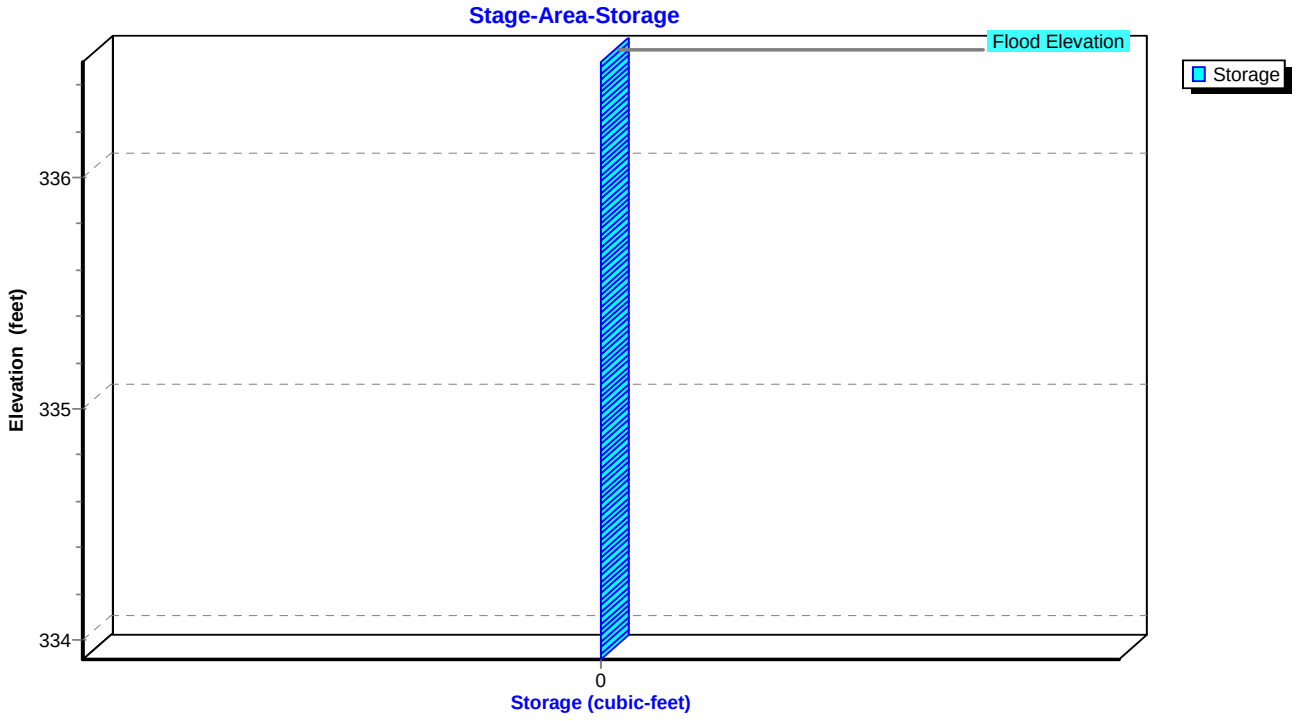
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.93	0.00
8.50	0.00	333.95	0.00
9.00	0.01	333.96	0.01
9.50	0.01	333.97	0.01
10.00	0.02	333.98	0.02
10.50	0.03	333.99	0.03
11.00	0.04	334.01	0.04
11.50	0.08	334.04	0.08
12.00	**1.11**	**334.39**	**1.11**
12.50	**0.16**	**334.09**	**0.16**
13.00	0.09	334.05	0.09
13.50	0.08	334.04	0.08
14.00	0.06	334.03	0.06
14.50	0.05	334.02	0.05
15.00	0.05	334.01	0.05
15.50	0.04	334.01	0.04
16.00	0.03	334.00	0.03
16.50	0.03	333.99	0.03
17.00	0.03	333.99	0.03
17.50	0.02	333.99	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.98	0.02
19.50	0.02	333.98	0.02
20.00	0.02	333.98	0.02
20.50	0.02	333.97	0.02
21.00	0.02	333.97	0.02
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

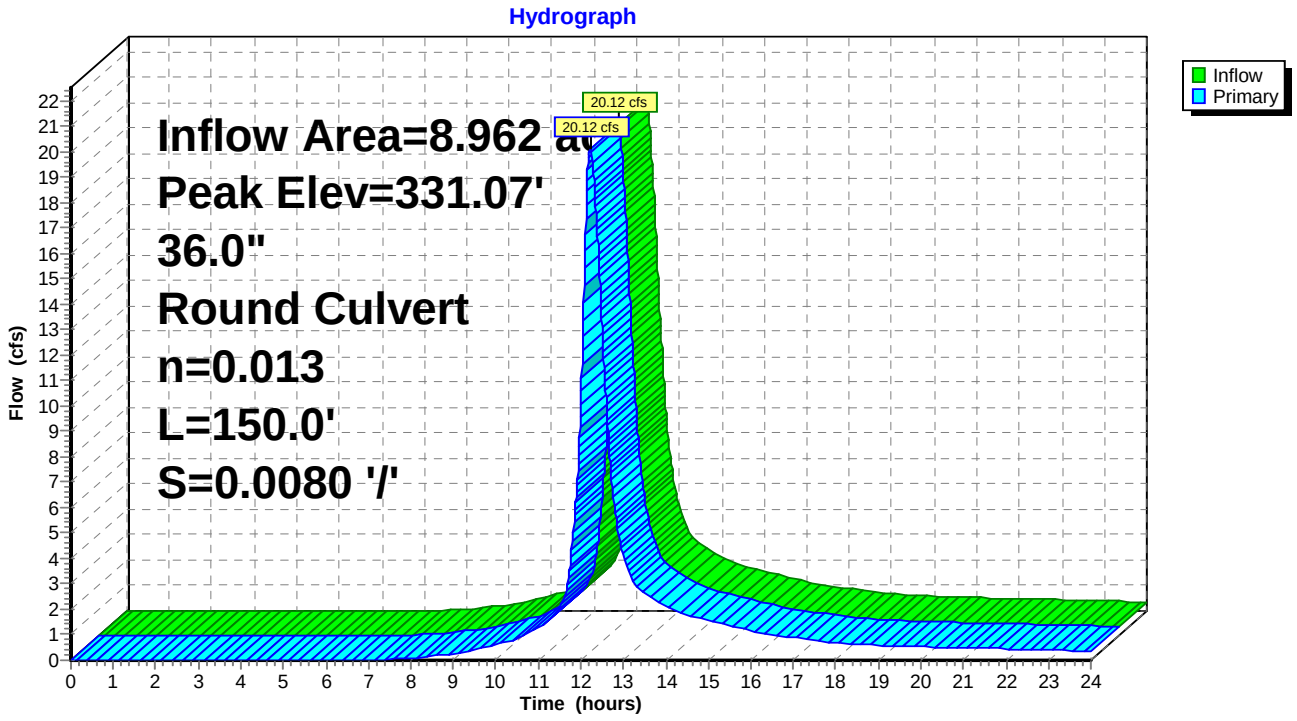
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.01" for 10-Year event
Inflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af
Outflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af, Atten= 0%, Lag= 0.0 min
Primary = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.07' @ 12.21 hrs
Flood Elev= 337.00'

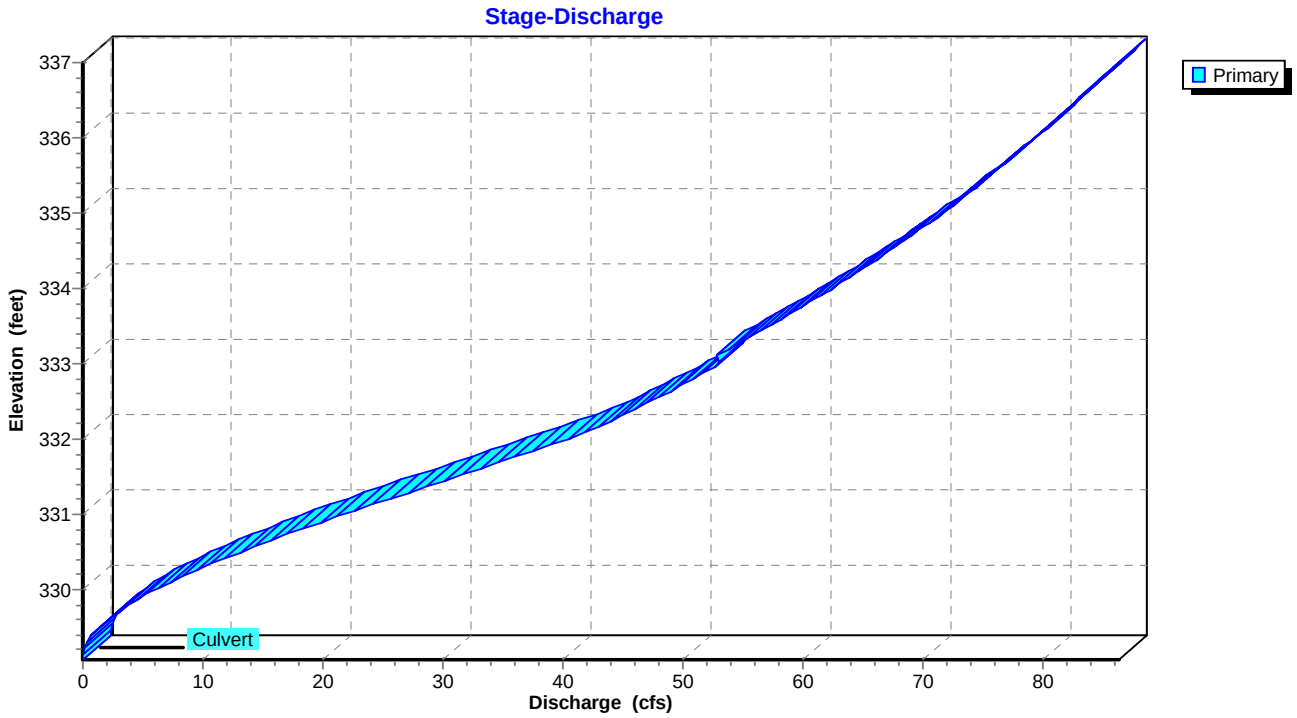
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.16 cfs @ 12.22 hrs HW=331.07' TW=329.75' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 20.16 cfs @ 5.72 fps)

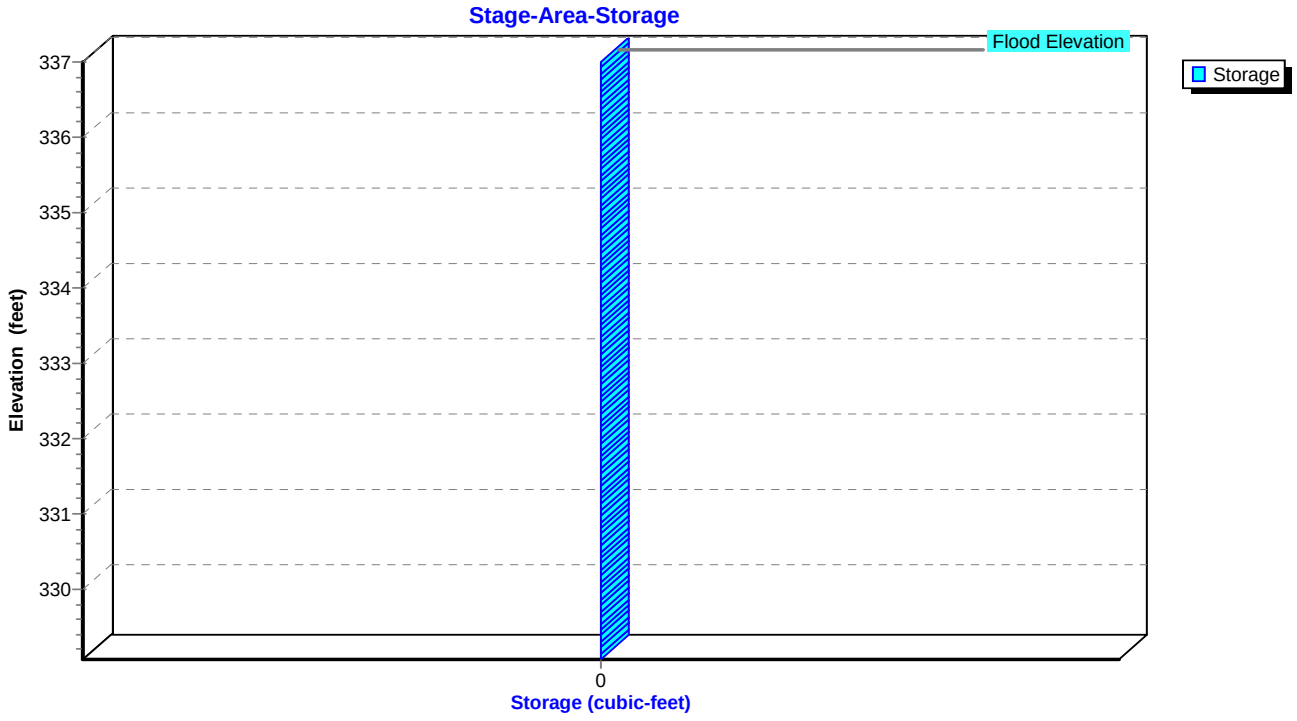
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.07	0.00
6.50	0.00	329.08	0.00
7.00	0.01	329.10	0.01
7.50	0.03	329.14	0.03
8.00	0.08	329.18	0.08
8.50	0.15	329.22	0.15
9.00	0.27	329.27	0.27
9.50	0.42	329.31	0.42
10.00	0.60	329.36	0.60
10.50	0.87	329.41	0.87
11.00	1.25	329.48	1.25
11.50	2.08	329.60	2.08
12.00	**10.09**	**330.35**	**10.09**
12.50	**13.12**	**330.57**	**13.12**
13.00	4.09	329.83	4.09
13.50	2.60	329.67	2.60
14.00	2.12	329.61	2.12
14.50	1.79	329.56	1.79
15.00	1.57	329.53	1.57
15.50	1.36	329.50	1.36
16.00	1.14	329.46	1.14
16.50	0.98	329.44	0.98
17.00	0.88	329.42	0.88
17.50	0.78	329.40	0.78
18.00	0.69	329.38	0.69
18.50	0.62	329.36	0.62
19.00	0.59	329.36	0.59
19.50	0.56	329.35	0.56
20.00	0.53	329.34	0.53
20.50	0.51	329.34	0.51
21.00	0.49	329.33	0.49
21.50	0.46	329.32	0.46
22.00	0.44	329.32	0.44
22.50	0.42	329.31	0.42
23.00	0.40	329.31	0.40
23.50	0.38	329.30	0.38
24.00	0.35	329.29	0.35

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

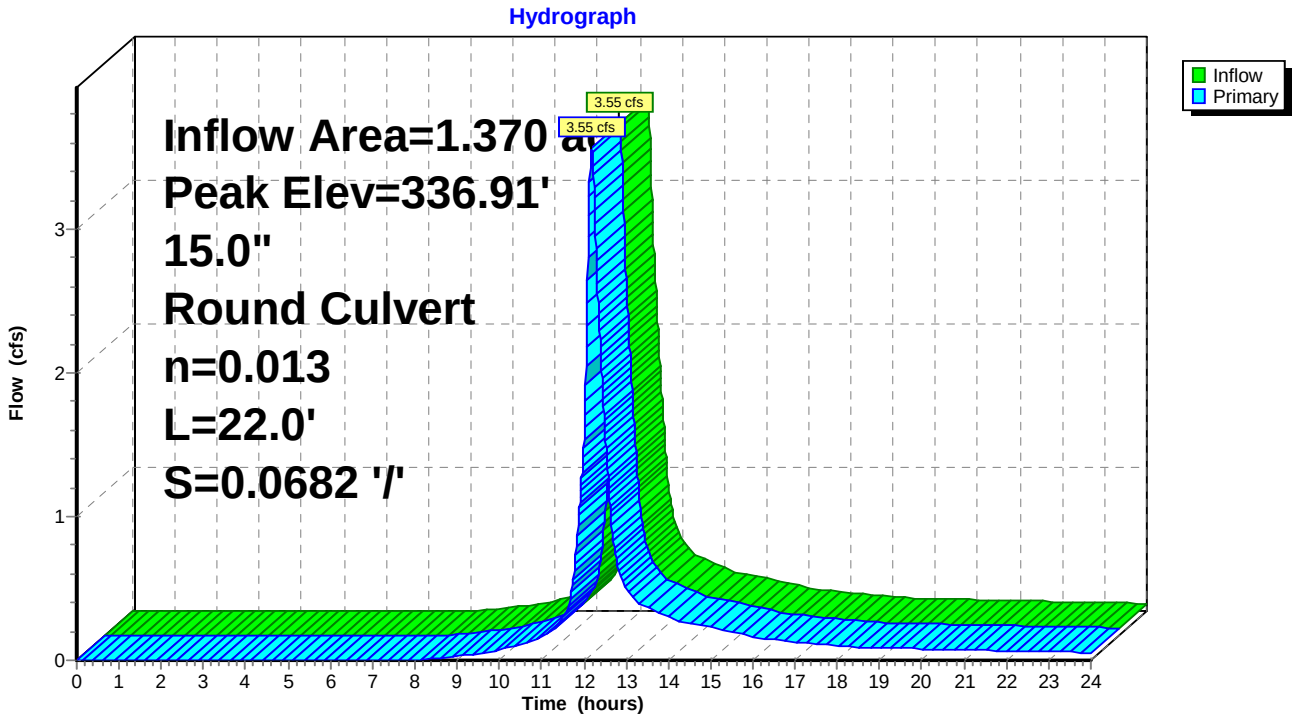
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.79" for 10-Year event
Inflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af
Outflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af, Atten= 0%, Lag= 0.0 min
Primary = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.91' @ 12.19 hrs
Flood Elev= 338.50'

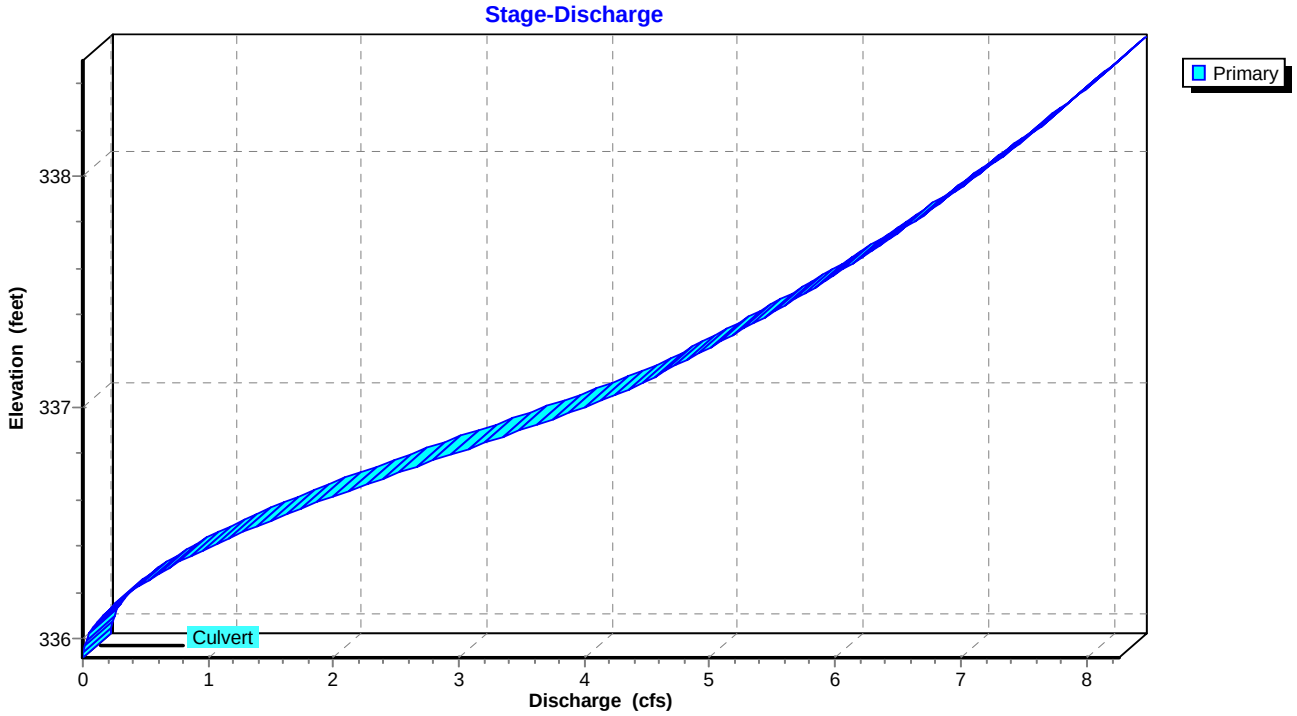
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.55 cfs @ 12.19 hrs HW=336.91' TW=331.06' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.55 cfs @ 3.39 fps)

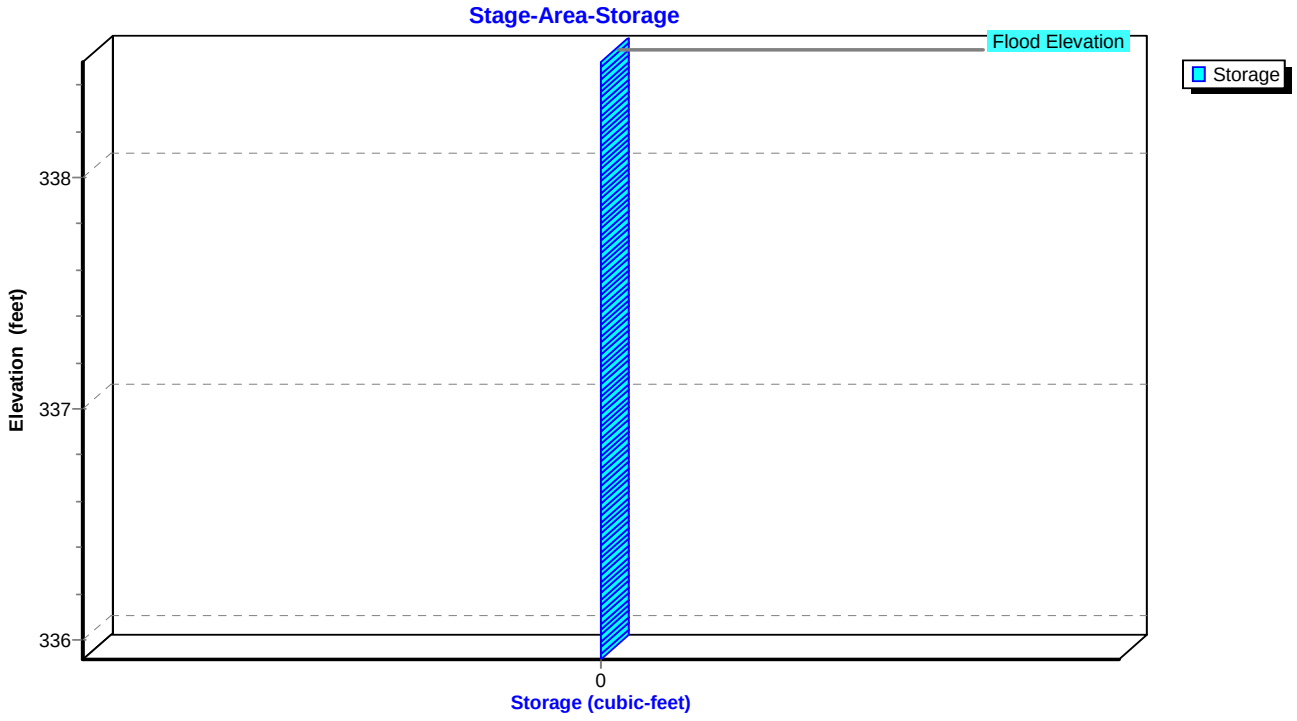
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.94	0.00
8.50	0.01	335.97	0.01
9.00	0.03	335.99	0.03
9.50	0.05	336.02	0.05
10.00	0.07	336.04	0.07
10.50	0.11	336.07	0.11
11.00	0.17	336.11	0.17
11.50	0.29	336.17	0.29
12.00	**1.54**	**336.52**	**1.54**
12.50	**1.61**	**336.54**	**1.61**
13.00	0.51	336.25	0.51
13.50	0.37	336.20	0.37
14.00	0.30	336.17	0.30
14.50	0.26	336.15	0.26
15.00	0.23	336.14	0.23
15.50	0.20	336.12	0.20
16.00	0.16	336.10	0.16
16.50	0.14	336.09	0.14
17.00	0.13	336.08	0.13
17.50	0.11	336.07	0.11
18.00	0.10	336.06	0.10
18.50	0.09	336.06	0.09
19.00	0.09	336.05	0.09
19.50	0.08	336.05	0.08
20.00	0.08	336.05	0.08
20.50	0.07	336.04	0.07
21.00	0.07	336.04	0.07
21.50	0.07	336.04	0.07
22.00	0.06	336.03	0.06
22.50	0.06	336.03	0.06
23.00	0.06	336.03	0.06
23.50	0.06	336.03	0.06
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

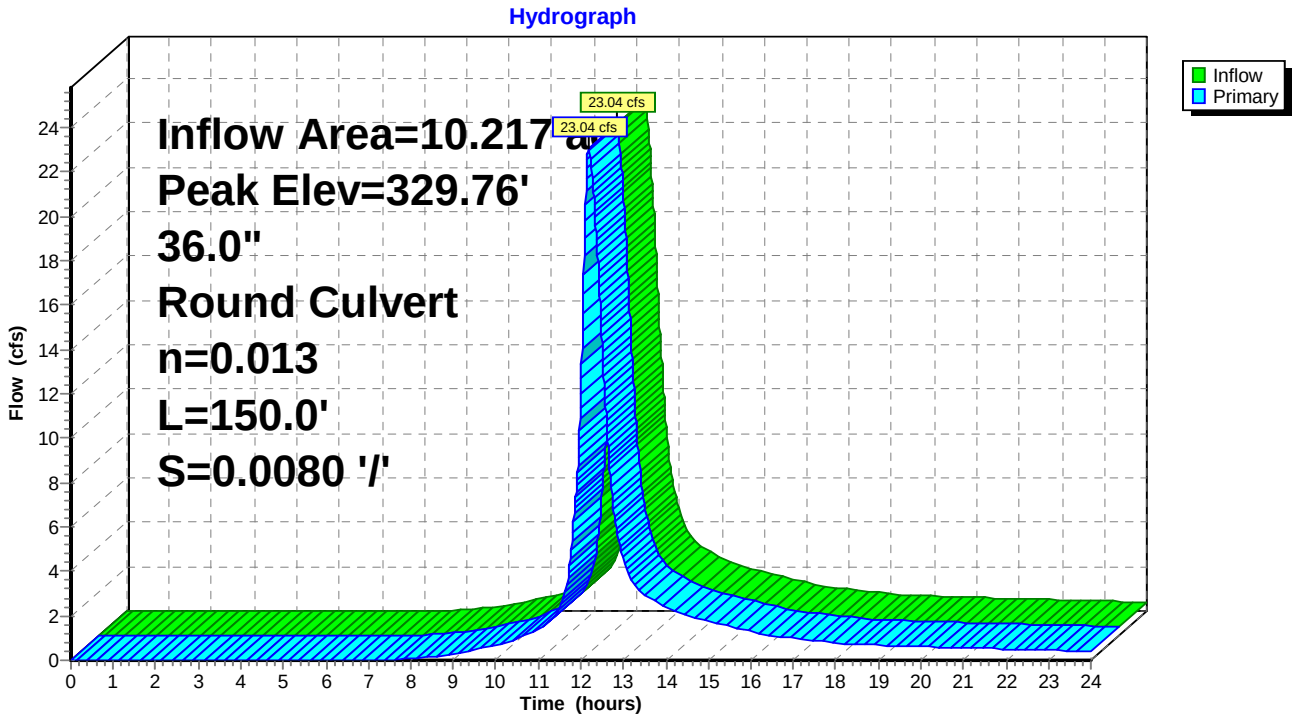
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 2.99" for 10-Year event
Inflow = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af
Outflow = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af, Atten= 0%, Lag= 0.0 min
Primary = 23.04 cfs @ 12.19 hrs, Volume= 2.544 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.76' @ 12.19 hrs
Flood Elev= 335.75'

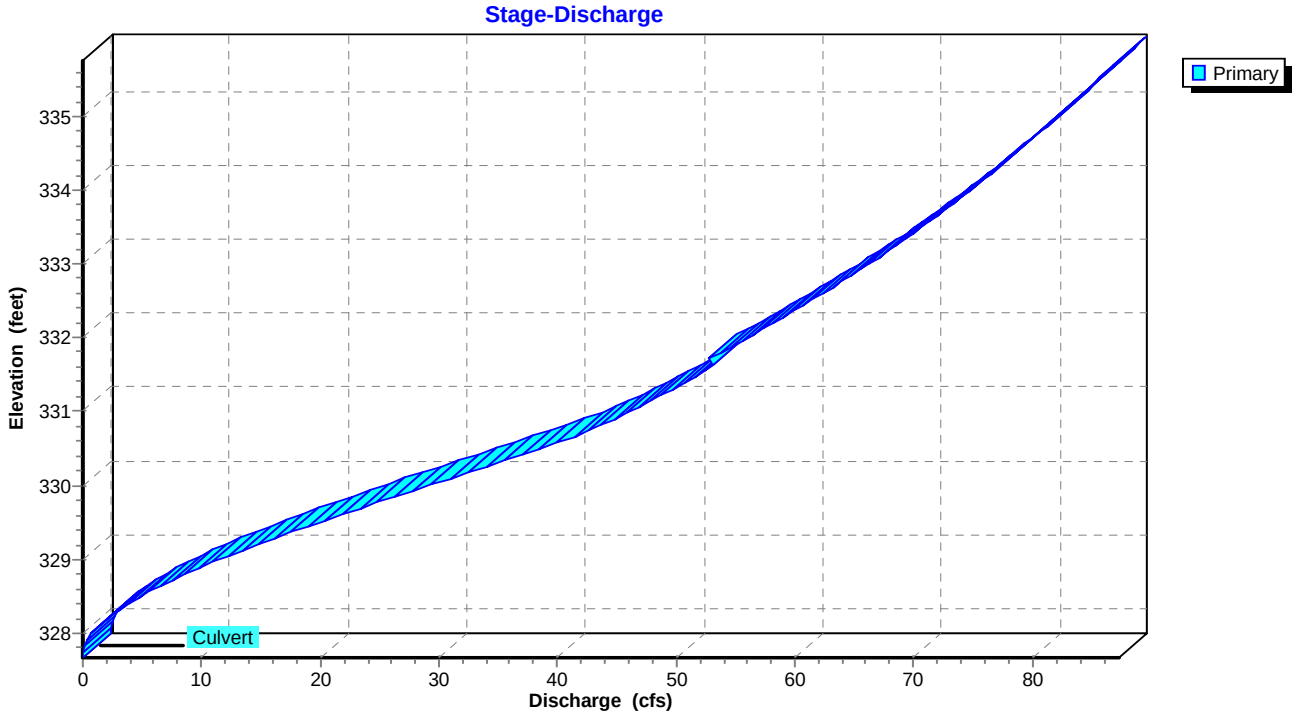
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=23.02 cfs @ 12.19 hrs HW=329.76' TW=328.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 23.02 cfs @ 6.16 fps)

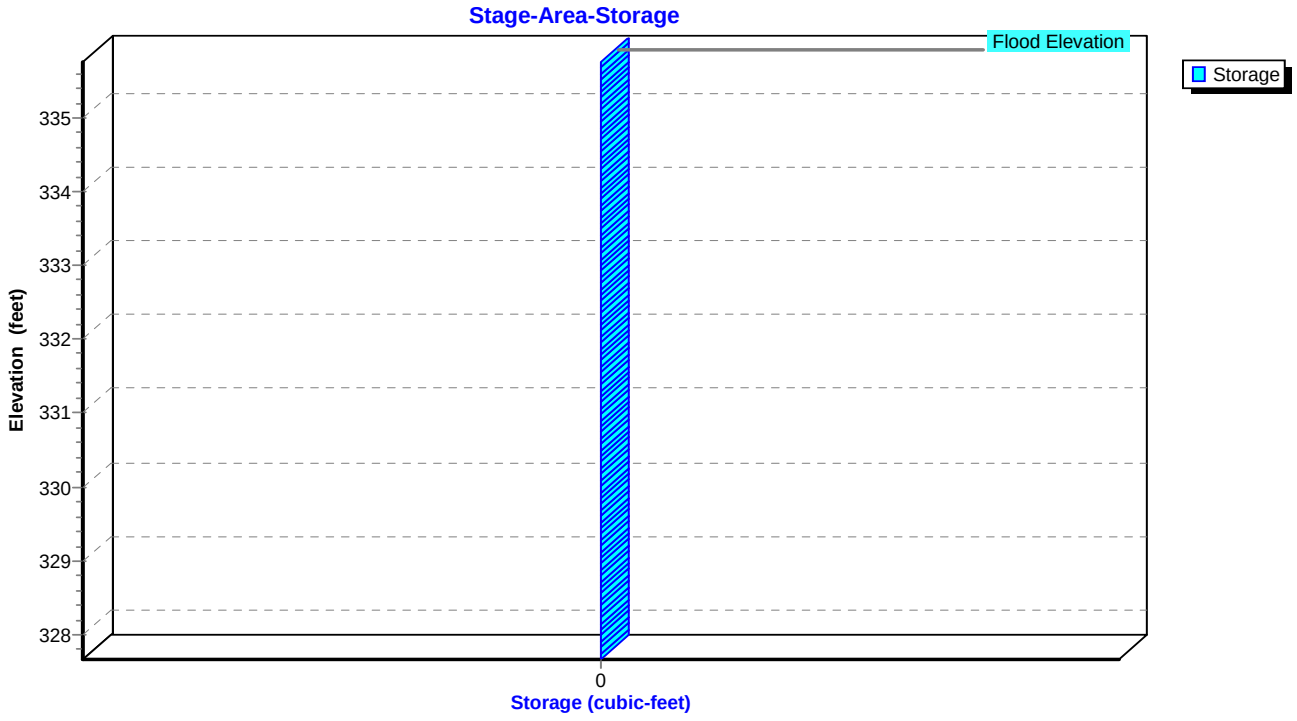
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.67	0.00
6.50	0.00	327.68	0.00
7.00	0.01	327.70	0.01
7.50	0.03	327.74	0.03
8.00	0.08	327.78	0.08
8.50	0.16	327.83	0.16
9.00	0.29	327.87	0.29
9.50	0.46	327.92	0.46
10.00	0.67	327.97	0.67
10.50	0.98	328.04	0.98
11.00	1.41	328.11	1.41
11.50	2.38	328.24	2.38
12.00	**12.00**	**329.07**	**12.00**
12.50	**14.25**	**329.21**	**14.25**
13.00	4.52	328.47	4.52
13.50	2.93	328.30	2.93
14.00	2.39	328.24	2.39
14.50	2.02	328.20	2.02
15.00	1.78	328.16	1.78
15.50	1.53	328.13	1.53
16.00	1.28	328.09	1.28
16.50	1.11	328.06	1.11
17.00	0.99	328.04	0.99
17.50	0.88	328.02	0.88
18.00	0.77	328.00	0.77
18.50	0.70	327.98	0.70
19.00	0.67	327.97	0.67
19.50	0.64	327.97	0.64
20.00	0.60	327.96	0.60
20.50	0.58	327.95	0.58
21.00	0.55	327.95	0.55
21.50	0.53	327.94	0.53
22.00	0.50	327.93	0.50
22.50	0.48	327.93	0.48
23.00	0.45	327.92	0.45
23.50	0.43	327.91	0.43
24.00	0.40	327.91	0.40

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

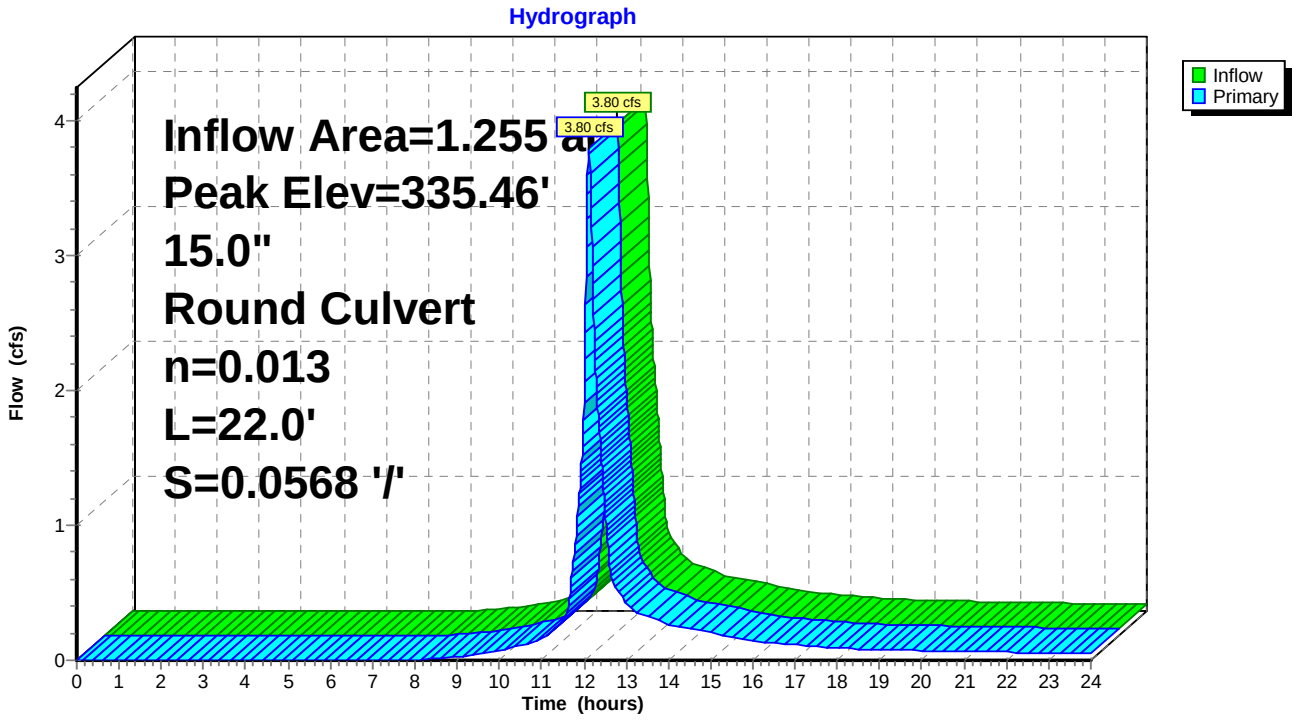
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af
Outflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.46' @ 12.12 hrs
Flood Elev= 337.00'

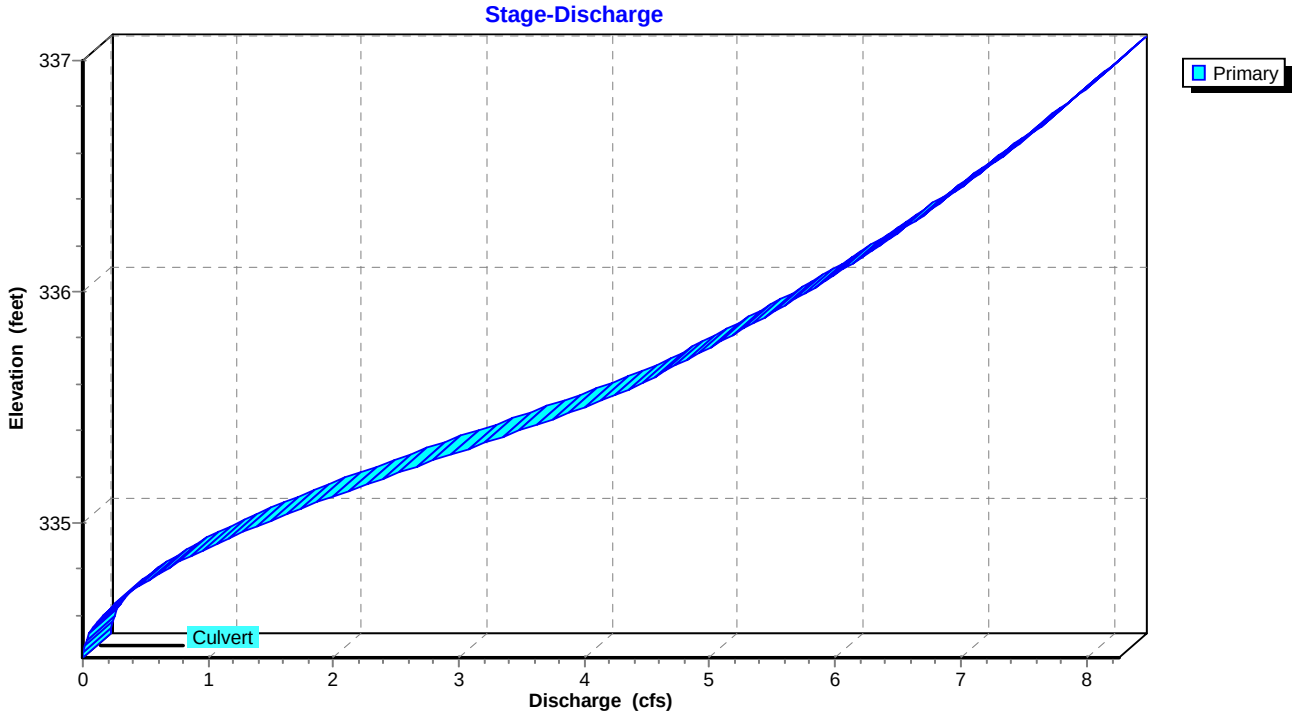
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.80 cfs @ 12.12 hrs HW=335.46' TW=329.64' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.80 cfs @ 3.47 fps)

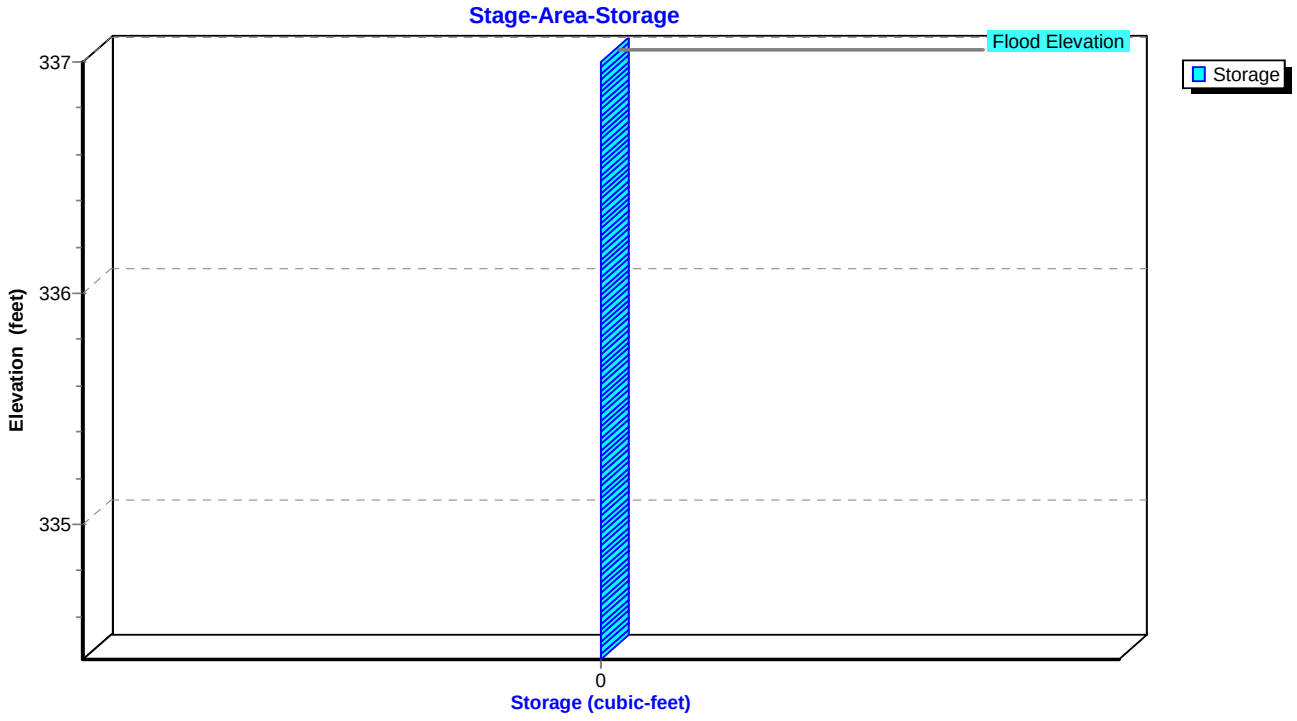
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.44	0.00
8.50	0.01	334.47	0.01
9.00	0.03	334.49	0.03
9.50	0.05	334.52	0.05
10.00	0.07	334.54	0.07
10.50	0.11	334.57	0.11
11.00	0.16	334.60	0.16
11.50	0.30	334.67	0.30
12.00	**1.91**	**335.10**	**1.91**
12.50	**1.13**	**334.93**	**1.13**
13.00	0.43	334.72	0.43
13.50	0.33	334.68	0.33
14.00	0.27	334.66	0.27
14.50	0.23	334.64	0.23
15.00	0.20	334.63	0.20
15.50	0.17	334.61	0.17
16.00	0.15	334.59	0.15
16.50	0.13	334.58	0.13
17.00	0.12	334.57	0.12
17.50	0.10	334.56	0.10
18.00	0.09	334.55	0.09
18.50	0.08	334.55	0.08
19.00	0.08	334.55	0.08
19.50	0.08	334.54	0.08
20.00	0.07	334.54	0.07
20.50	0.07	334.54	0.07
21.00	0.06	334.53	0.06
21.50	0.06	334.53	0.06
22.00	0.06	334.53	0.06
22.50	0.06	334.53	0.06
23.00	0.05	334.52	0.05
23.50	0.05	334.52	0.05
24.00	0.05	334.52	0.05

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

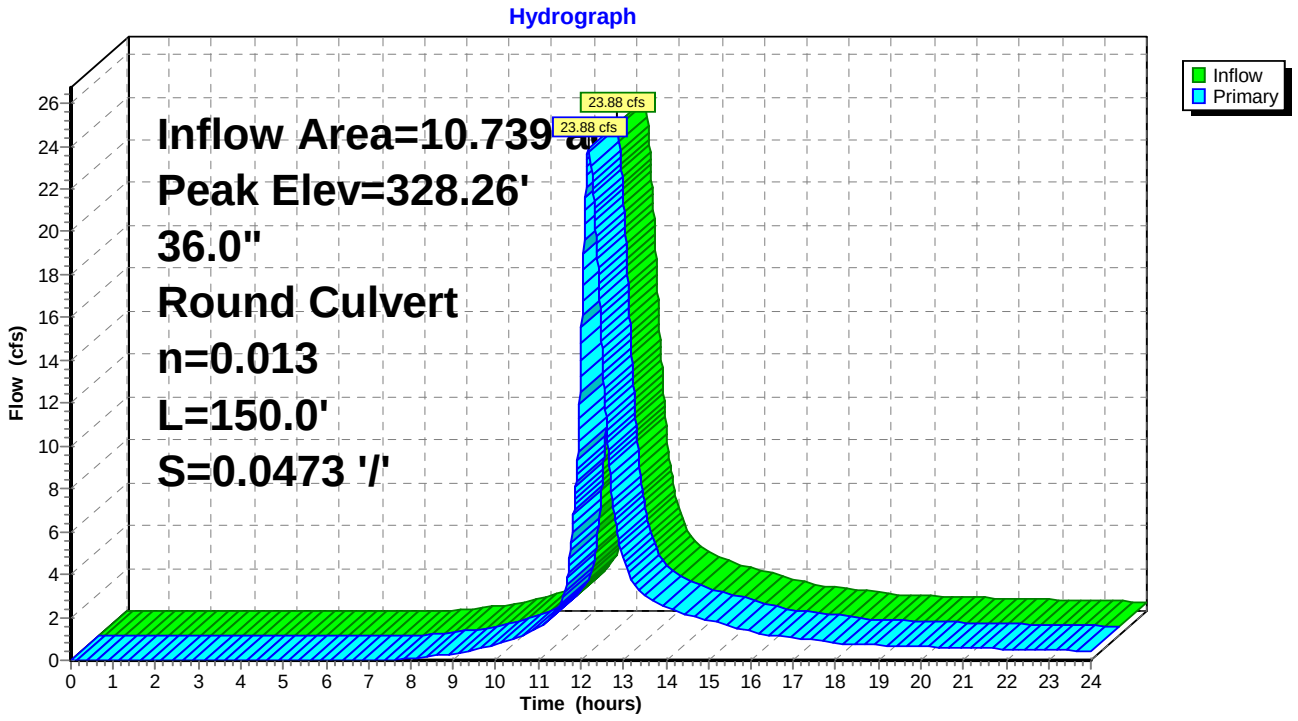
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 2.99" for 10-Year event
Inflow = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af
Outflow = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af, Atten= 0%, Lag= 0.0 min
Primary = 23.88 cfs @ 12.18 hrs, Volume= 2.674 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.26' @ 12.18 hrs
Flood Elev= 332.25'

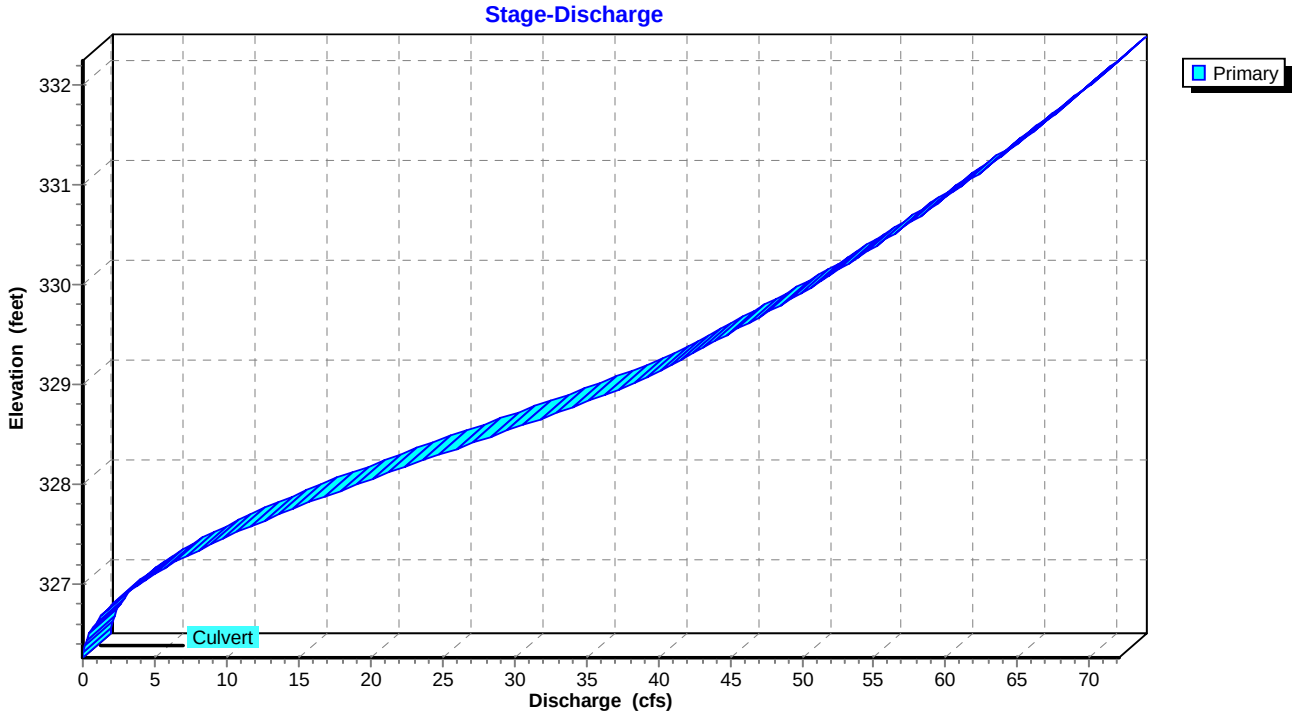
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=23.87 cfs @ 12.18 hrs HW=328.26' TW=321.05' (Dynamic Tailwater)
1=Culvert (Inlet Controls 23.87 cfs @ 4.80 fps)

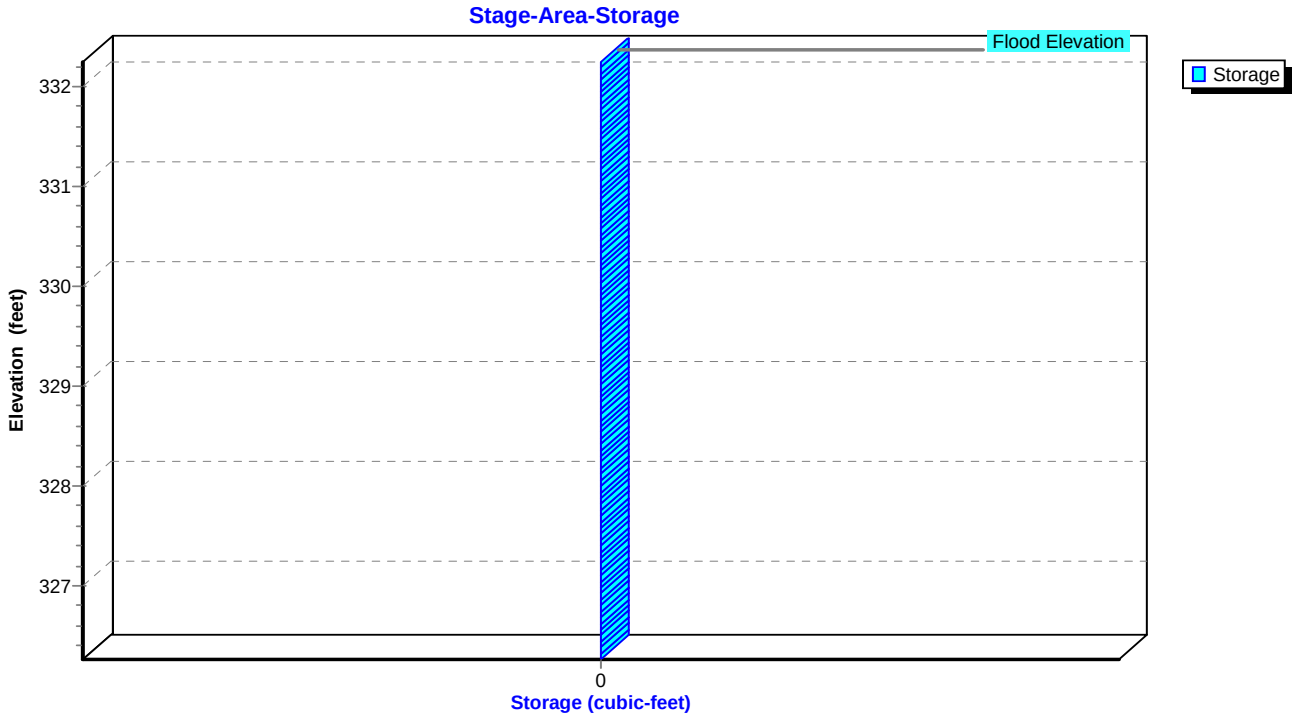
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.27	0.00
6.50	0.00	326.27	0.00
7.00	0.01	326.30	0.01
7.50	0.03	326.33	0.03
8.00	0.08	326.37	0.08
8.50	0.18	326.42	0.18
9.00	0.31	326.47	0.31
9.50	0.49	326.52	0.49
10.00	0.71	326.58	0.71
10.50	1.03	326.64	1.03
11.00	1.49	326.72	1.49
11.50	2.53	326.86	2.53
12.00	**14.00**	**327.73**	**14.00**
12.50	**14.53**	**327.76**	**14.53**
13.00	4.68	327.08	4.68
13.50	3.07	326.92	3.07
14.00	2.50	326.85	2.50
14.50	2.12	326.80	2.12
15.00	1.86	326.77	1.86
15.50	1.60	326.73	1.60
16.00	1.34	326.69	1.34
16.50	1.16	326.66	1.16
17.00	1.04	326.64	1.04
17.50	0.93	326.62	0.93
18.00	0.81	326.60	0.81
18.50	0.74	326.58	0.74
19.00	0.70	326.57	0.70
19.50	0.67	326.57	0.67
20.00	0.63	326.56	0.63
20.50	0.60	326.55	0.60
21.00	0.58	326.54	0.58
21.50	0.55	326.54	0.55
22.00	0.53	326.53	0.53
22.50	0.50	326.53	0.50
23.00	0.47	326.52	0.47
23.50	0.45	326.51	0.45
24.00	0.42	326.50	0.42

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

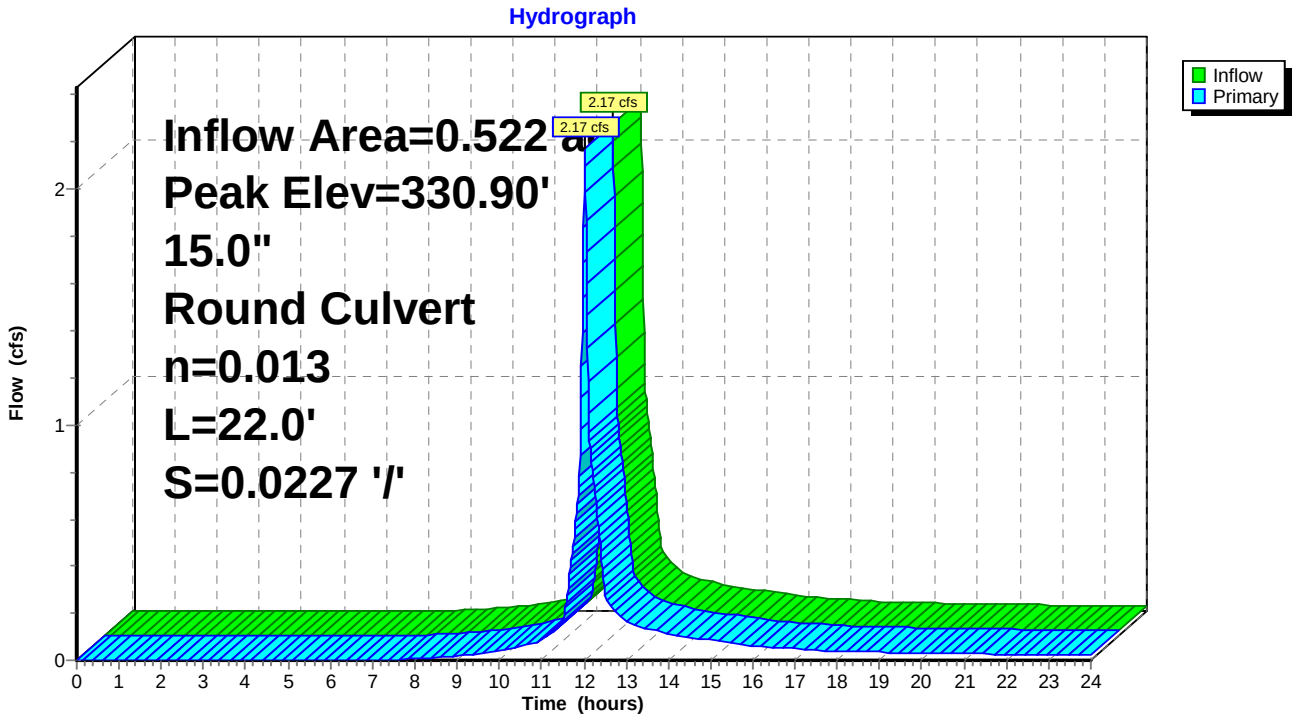
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af
Outflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min
Primary = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.90' @ 12.02 hrs
Flood Elev= 332.80'

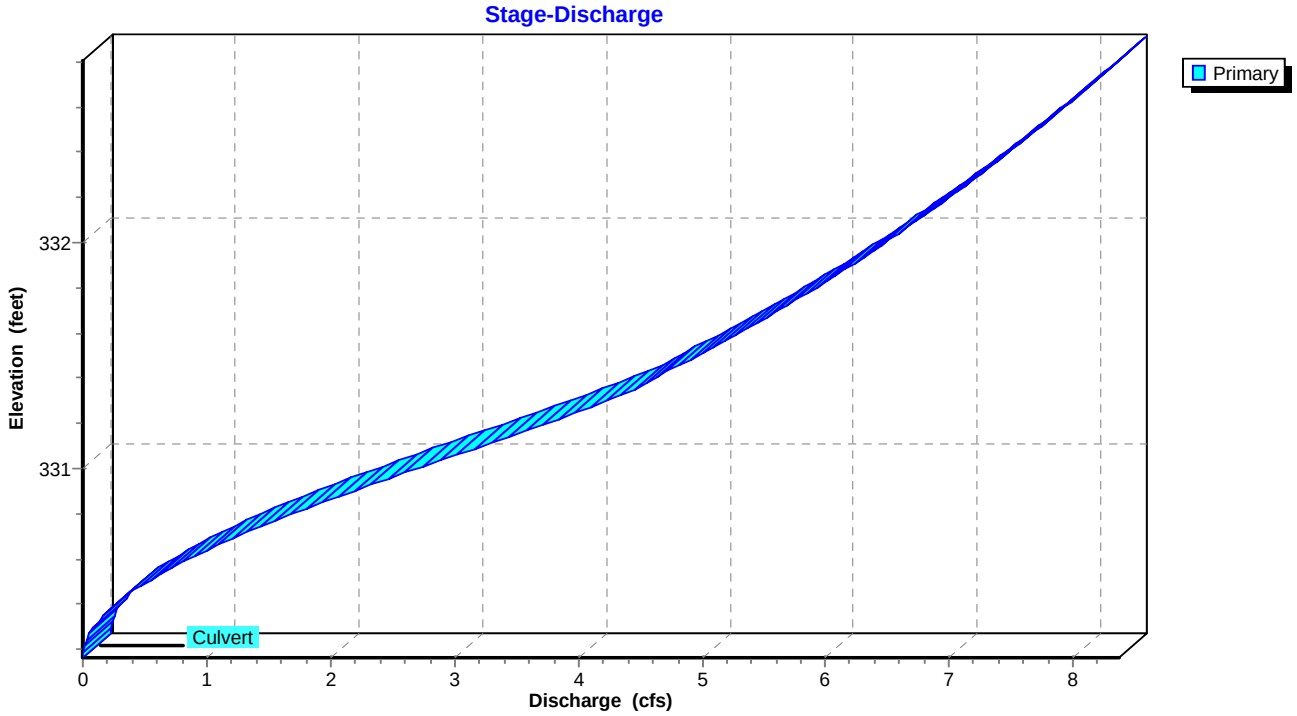
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.17 cfs @ 12.02 hrs HW=330.90' TW=327.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.17 cfs @ 2.91 fps)

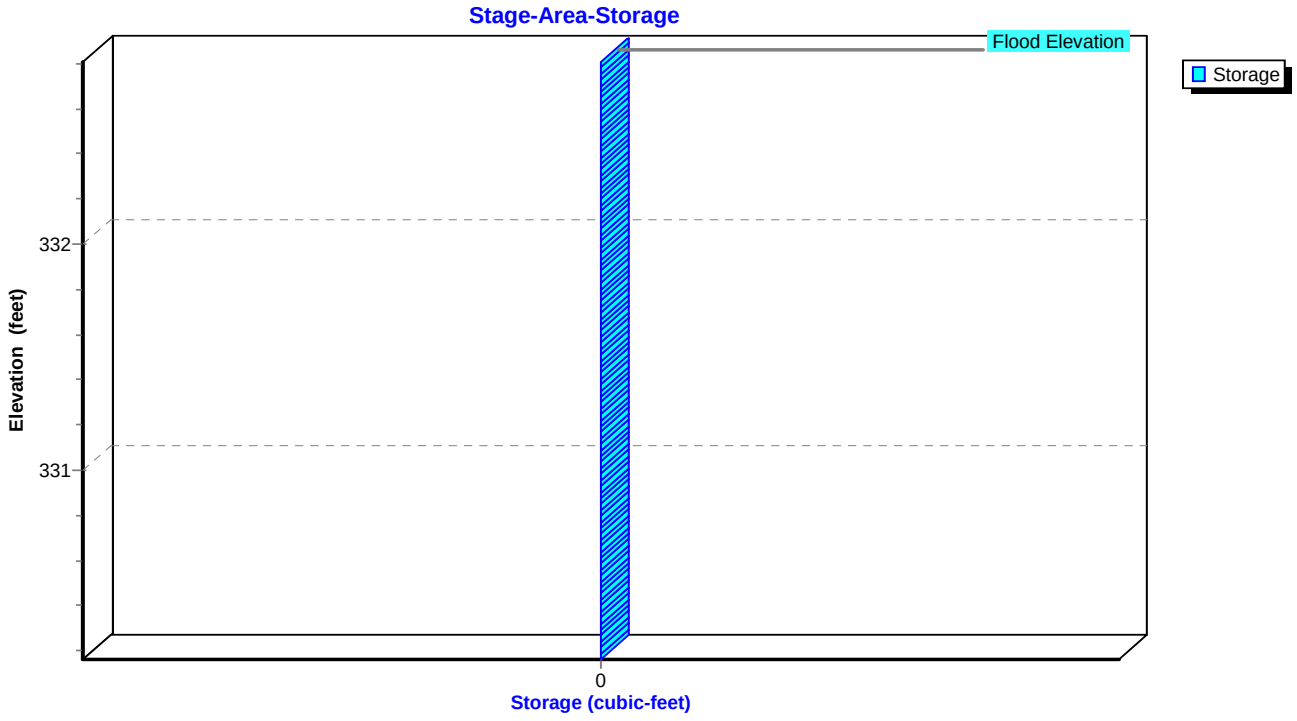
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.19	0.00
8.00	0.01	330.20	0.01
8.50	0.01	330.22	0.01
9.00	0.02	330.23	0.02
9.50	0.03	330.24	0.03
10.00	0.04	330.26	0.04
10.50	0.06	330.28	0.06
11.00	0.08	330.30	0.08
11.50	0.16	330.35	0.16
12.00	**2.00**	**330.87**	**2.00**
12.50	**0.29**	**330.41**	**0.29**
13.00	0.16	330.35	0.16
13.50	0.14	330.34	0.14
14.00	0.11	330.32	0.11
14.50	0.10	330.31	0.10
15.00	0.08	330.30	0.08
15.50	0.07	330.29	0.07
16.00	0.06	330.28	0.06
16.50	0.05	330.27	0.05
17.00	0.05	330.27	0.05
17.50	0.04	330.26	0.04
18.00	0.04	330.26	0.04
18.50	0.04	330.25	0.04
19.00	0.03	330.25	0.03
19.50	0.03	330.25	0.03
20.00	0.03	330.25	0.03
20.50	0.03	330.25	0.03
21.00	0.03	330.24	0.03
21.50	0.03	330.24	0.03
22.00	0.02	330.24	0.02
22.50	0.02	330.24	0.02
23.00	0.02	330.24	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

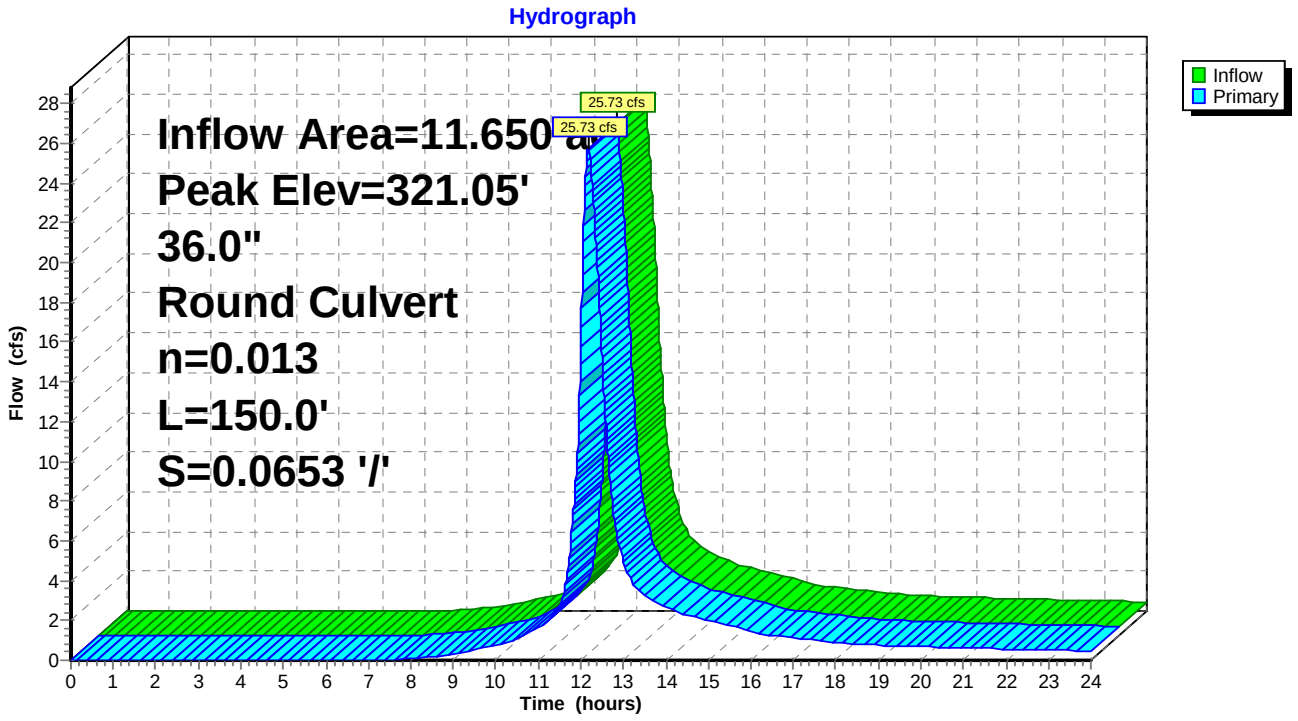
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 2.97" for 10-Year event
Inflow = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af
Outflow = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af, Atten= 0%, Lag= 0.0 min
Primary = 25.73 cfs @ 12.17 hrs, Volume= 2.879 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.05' @ 12.17 hrs
Flood Elev= 338.50'

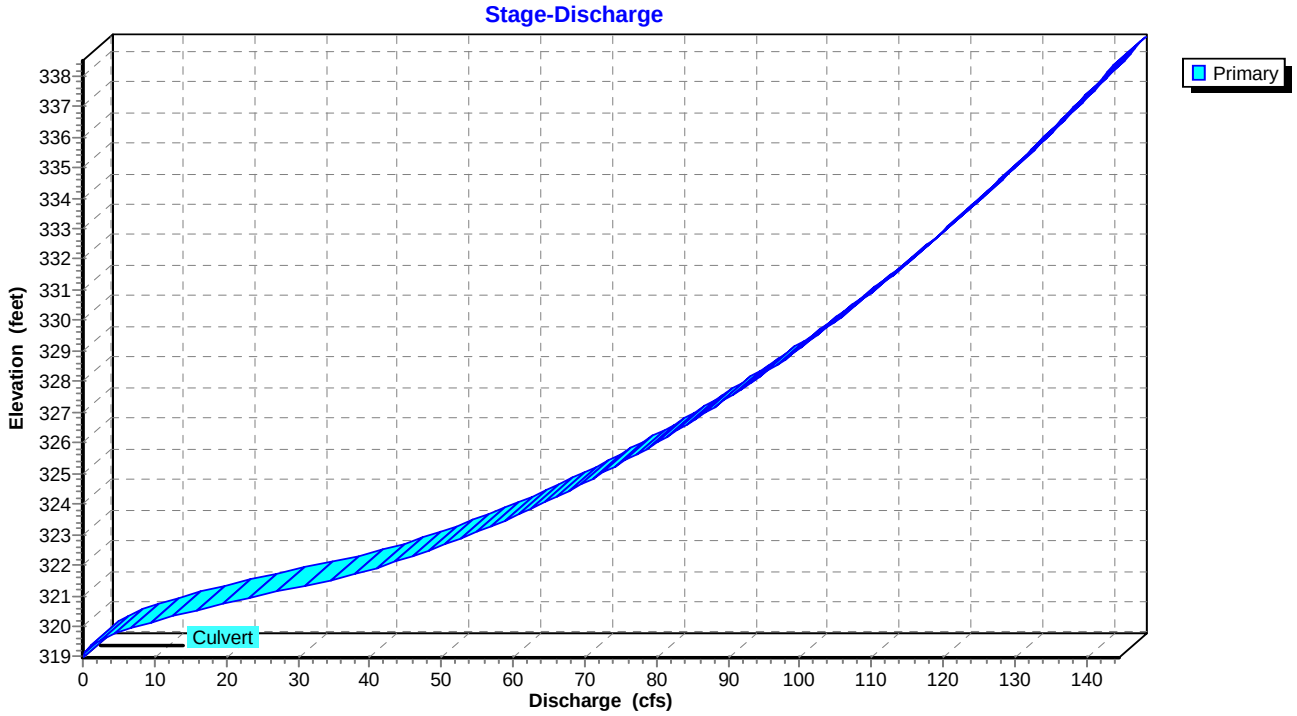
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.72 cfs @ 12.17 hrs HW=321.05' TW=311.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 25.72 cfs @ 4.91 fps)

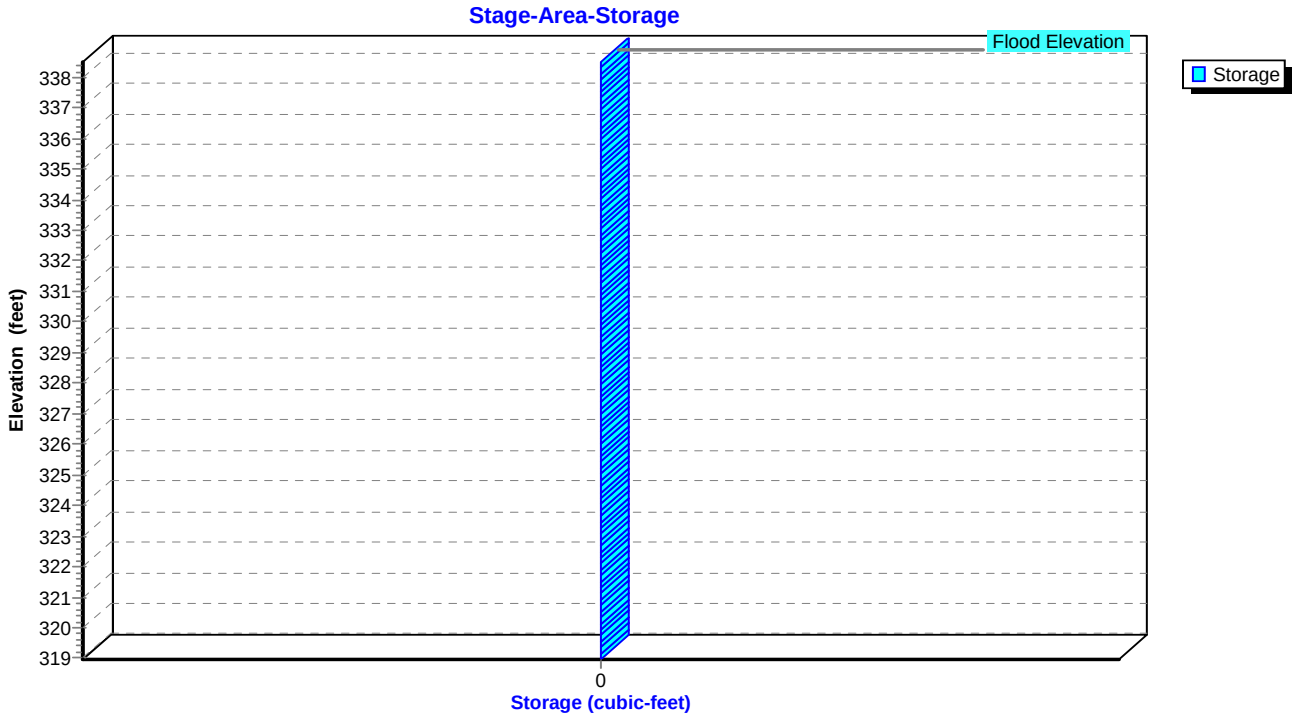
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.97	0.00
6.50	0.00	318.97	0.00
7.00	0.01	319.00	0.01
7.50	0.03	319.03	0.03
8.00	0.08	319.07	0.08
8.50	0.18	319.12	0.18
9.00	0.33	319.18	0.33
9.50	0.52	319.23	0.52
10.00	0.76	319.29	0.76
10.50	1.11	319.35	1.11
11.00	1.60	319.43	1.60
11.50	2.75	319.58	2.75
12.00	**15.79**	**320.53**	**15.79**
12.50	**15.20**	**320.50**	**15.20**
13.00	4.97	319.80	4.97
13.50	3.29	319.64	3.29
14.00	2.69	319.57	2.69
14.50	2.28	319.53	2.28
15.00	2.01	319.49	2.01
15.50	1.73	319.45	1.73
16.00	1.44	319.41	1.44
16.50	1.25	319.38	1.25
17.00	1.12	319.36	1.12
17.50	1.00	319.33	1.00
18.00	0.87	319.31	0.87
18.50	0.80	319.29	0.80
19.00	0.76	319.29	0.76
19.50	0.72	319.28	0.72
20.00	0.68	319.27	0.68
20.50	0.65	319.26	0.65
21.00	0.62	319.26	0.62
21.50	0.60	319.25	0.60
22.00	0.57	319.24	0.57
22.50	0.54	319.24	0.54
23.00	0.51	319.23	0.51
23.50	0.48	319.22	0.48
24.00	0.45	319.21	0.45

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

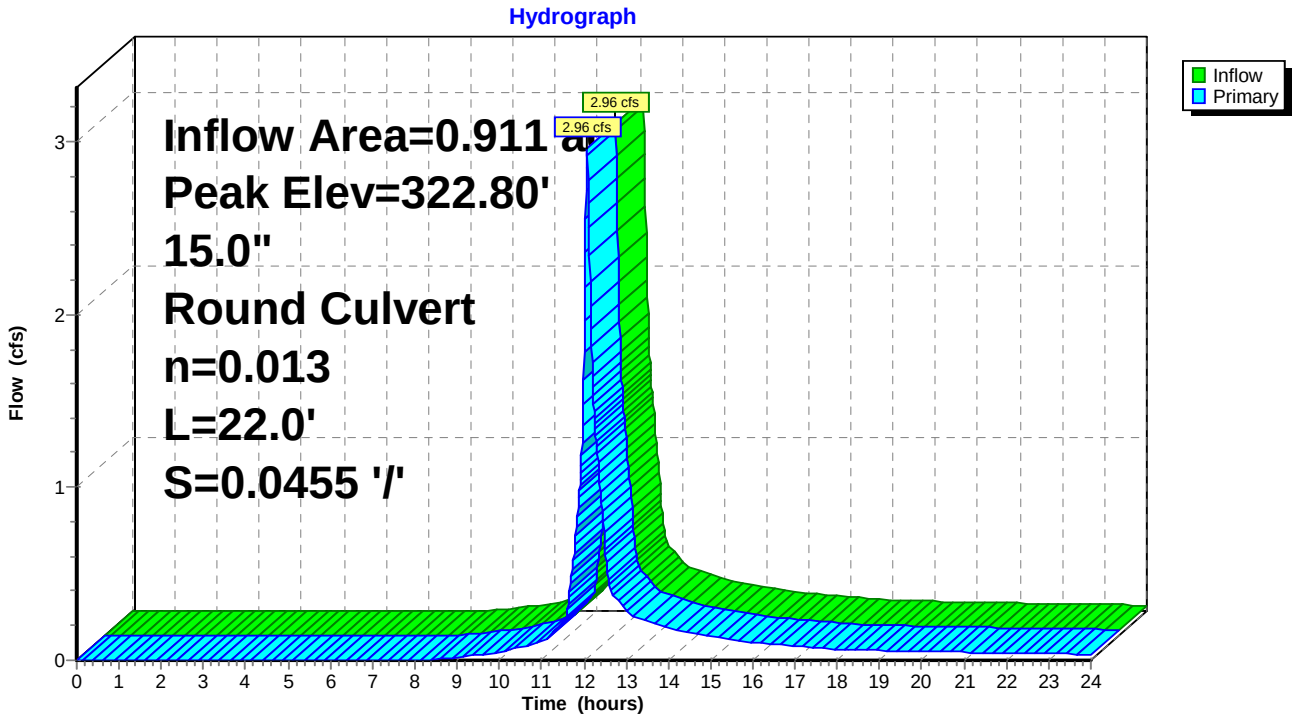
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af
Outflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af, Atten= 0%, Lag= 0.0 min
Primary = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.80' @ 12.08 hrs
Flood Elev= 324.50'

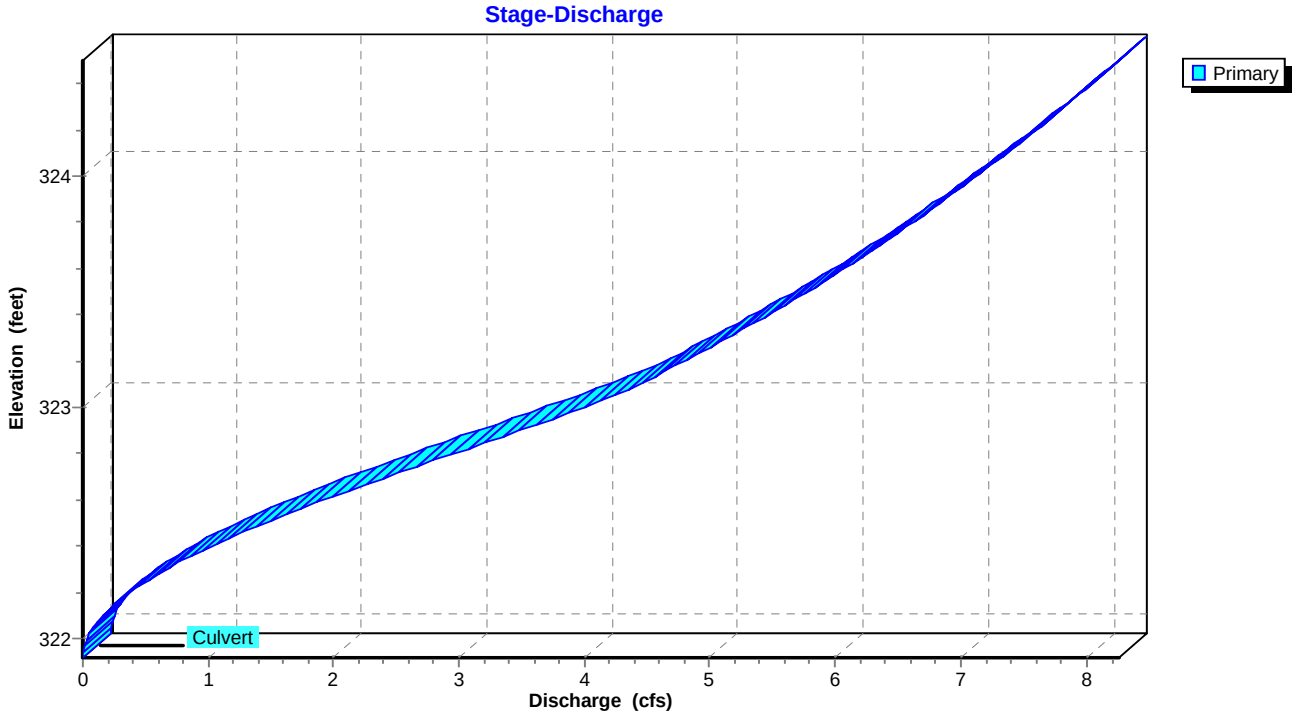
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.96 cfs @ 12.08 hrs HW=322.80' TW=320.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.96 cfs @ 3.20 fps)

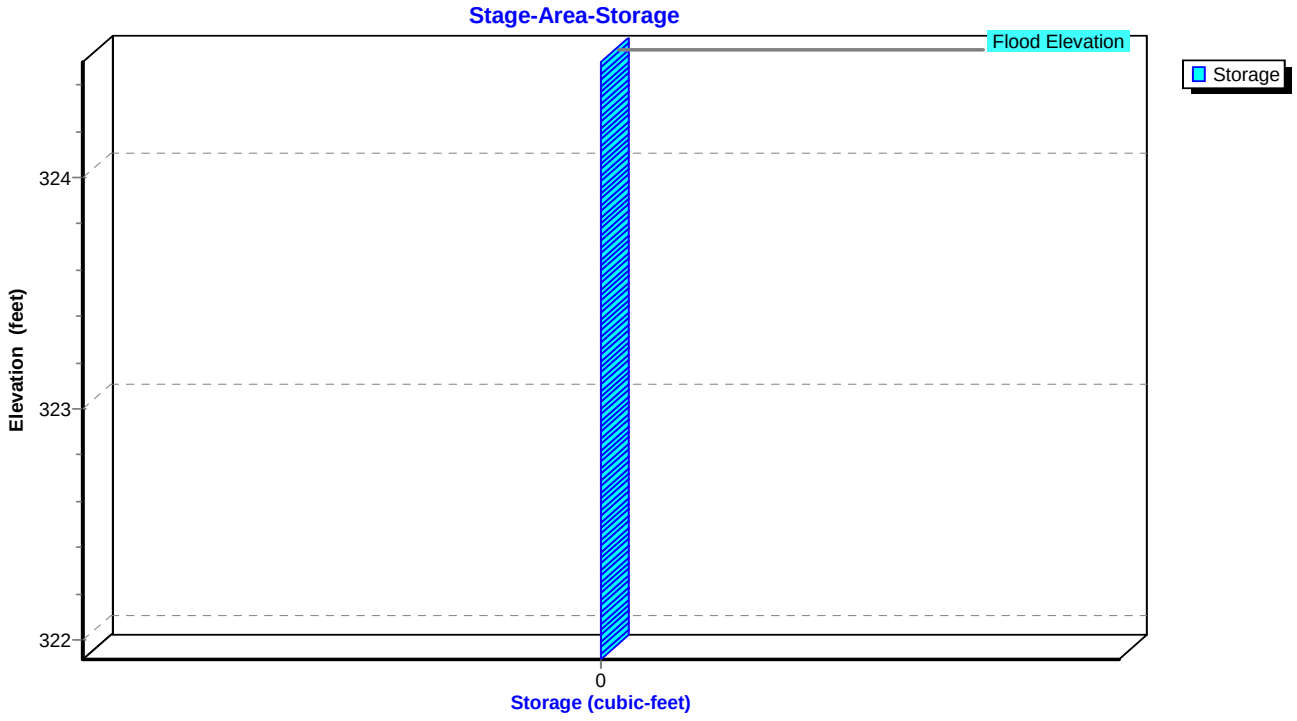
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.01	321.96	0.01
9.00	0.02	321.98	0.02
9.50	0.03	322.00	0.03
10.00	0.05	322.02	0.05
10.50	0.07	322.04	0.07
11.00	0.11	322.07	0.11
11.50	0.21	322.13	0.21
12.00	**1.79**	**322.57**	**1.79**
12.50	**0.67**	**322.30**	**0.67**
13.00	0.29	322.17	0.29
13.50	0.23	322.14	0.23
14.00	0.19	322.12	0.19
14.50	0.16	322.10	0.16
15.00	0.14	322.09	0.14
15.50	0.12	322.08	0.12
16.00	0.10	322.06	0.10
16.50	0.09	322.06	0.09
17.00	0.08	322.05	0.08
17.50	0.07	322.04	0.07
18.00	0.06	322.03	0.06
18.50	0.06	322.03	0.06
19.00	0.06	322.03	0.06
19.50	0.05	322.02	0.05
20.00	0.05	322.02	0.05
20.50	0.05	322.02	0.05
21.00	0.05	322.02	0.05
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.04	322.01	0.04
23.00	0.04	322.01	0.04
23.50	0.04	322.00	0.04
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.38' Inflow=6.04 cfs 0.715 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=6.04 cfs 0.715 af

Pond CB10: Catchbasin Peak Elev=311.52' Inflow=34.85 cfs 3.956 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=34.85 cfs 3.956 af

Pond CB10-1: CB1-1 Peak Elev=312.89' Inflow=3.45 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.45 cfs 0.209 af

Pond CB11: Catchbasin Peak Elev=300.92' Inflow=37.24 cfs 4.155 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=37.24 cfs 4.155 af

Pond CB11-1: CB1-1 Peak Elev=302.95' Inflow=2.43 cfs 0.199 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.43 cfs 0.199 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.21' Inflow=12.84 cfs 1.452 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=12.84 cfs 1.452 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=343.56' Inflow=15.76 cfs 1.772 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=15.76 cfs 1.772 af

Pond CB4: Catchbasin Peak Elev=333.81' Inflow=21.02 cfs 2.411 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=21.02 cfs 2.411 af

Pond CB4-1: CB1-1 Peak Elev=337.93' Inflow=21.02 cfs 2.411 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=21.02 cfs 2.411 af

Pond CB5: Catchbasin Peak Elev=332.65' Inflow=21.57 cfs 2.504 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=21.57 cfs 2.504 af

Pond CB5-1: CB1-1 Peak Elev=334.49' Inflow=1.57 cfs 0.093 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.57 cfs 0.093 af

Pond CB6: Catchbasin Peak Elev=331.48' Inflow=26.06 cfs 2.923 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=26.06 cfs 2.923 af

Pond CB6-1: CB1-1 Peak Elev=337.17' Inflow=4.66 cfs 0.419 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=4.66 cfs 0.419 af

Pond CB7: Catchbasin Peak Elev=330.17' Inflow=29.93 cfs 3.307 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=29.93 cfs 3.307 af

Pond CB7-1: CB1-1 Peak Elev=335.75' Inflow=4.97 cfs 0.384 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=4.97 cfs 0.384 af

Pond CB8: Catchbasin Peak Elev=328.62' Inflow=31.00 cfs 3.476 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=31.00 cfs 3.476 af

Pond CB8-1: CB1-1 Peak Elev=331.02' Inflow=2.81 cfs 0.169 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.81 cfs 0.169 af

Pond CB9: Catchbasin Peak Elev=321.45' Inflow=33.48 cfs 3.748 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=33.48 cfs 3.748 af

Pond CB9-1: CB1-1 Peak Elev=322.98' Inflow=3.90 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.90 cfs 0.271 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

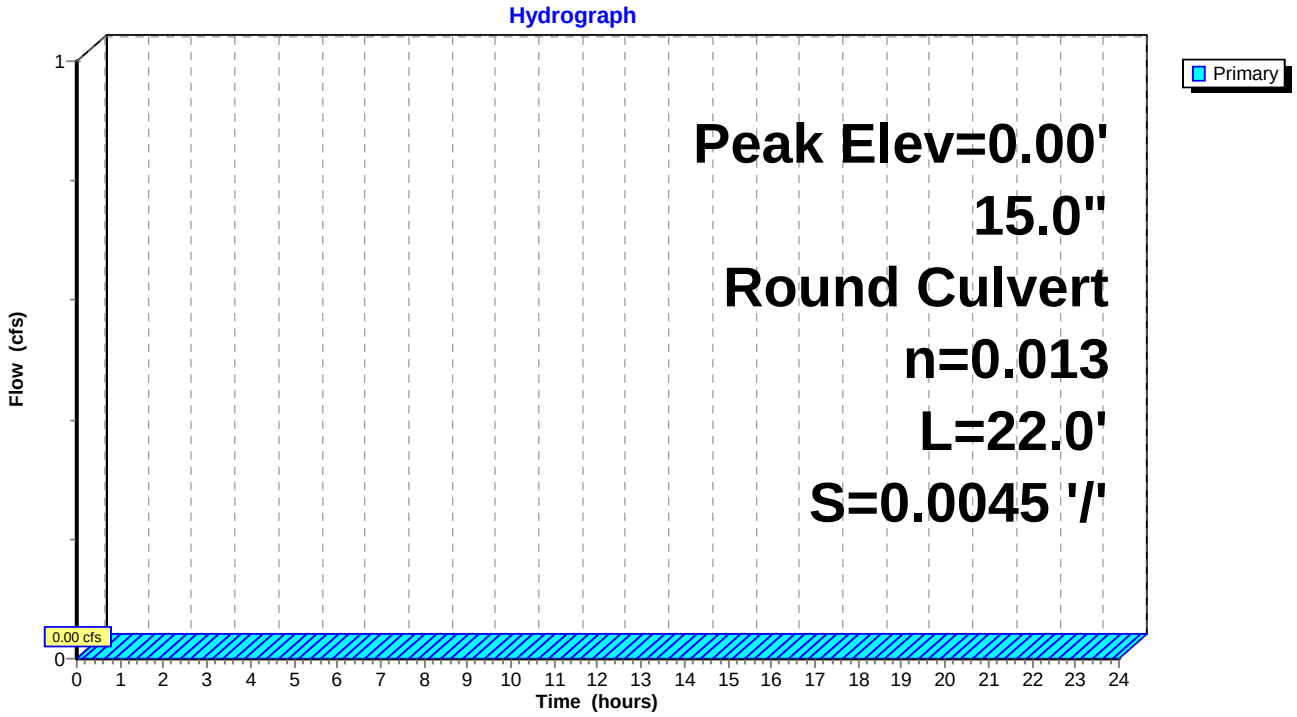
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

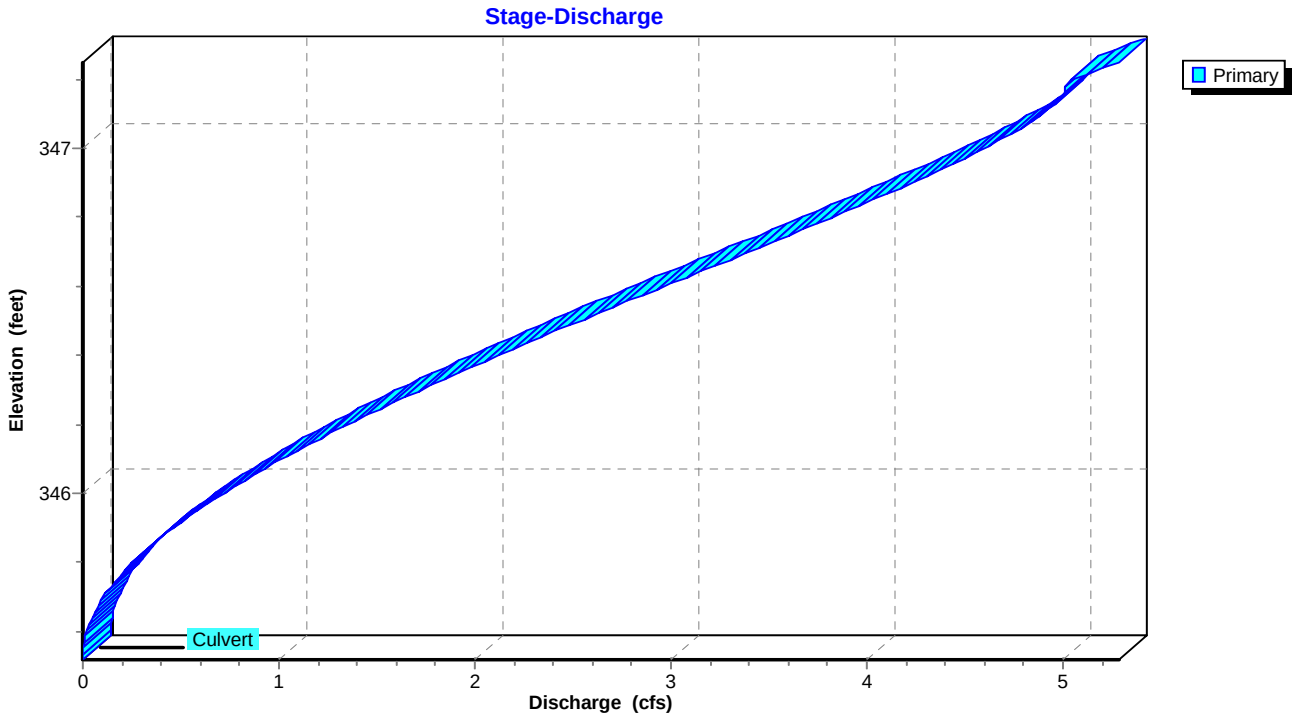
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

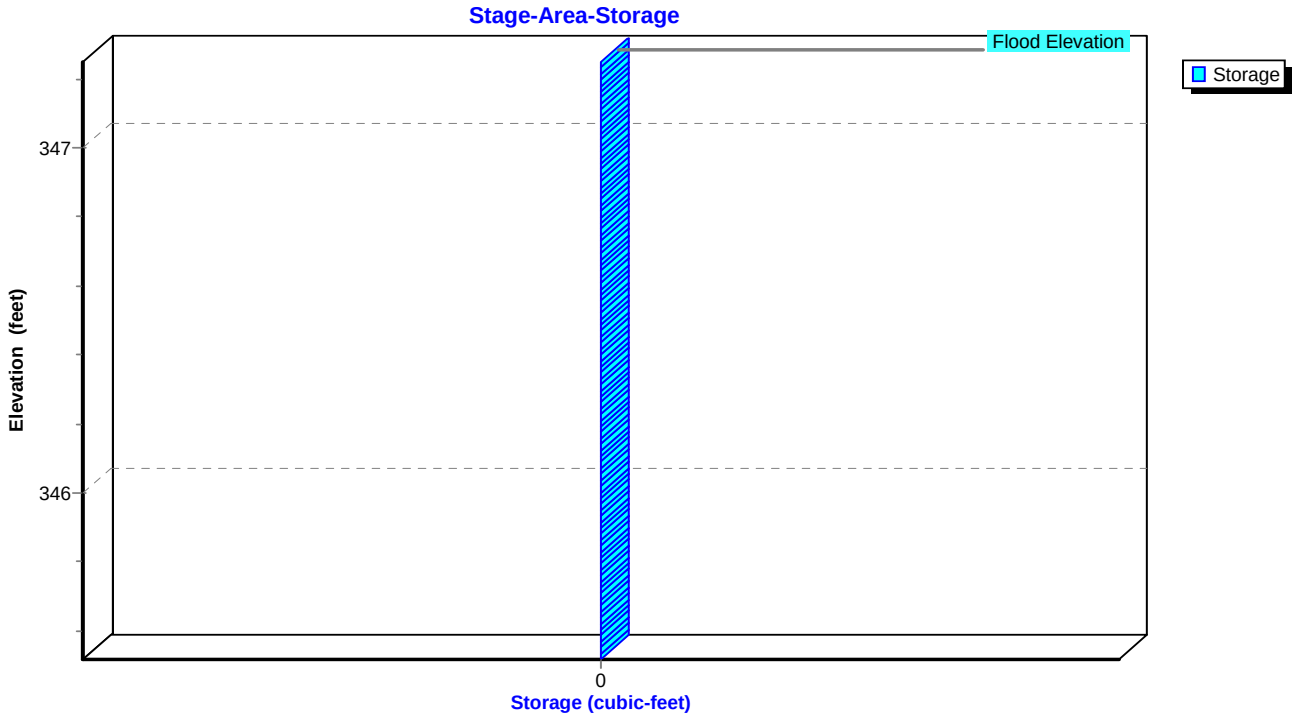
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

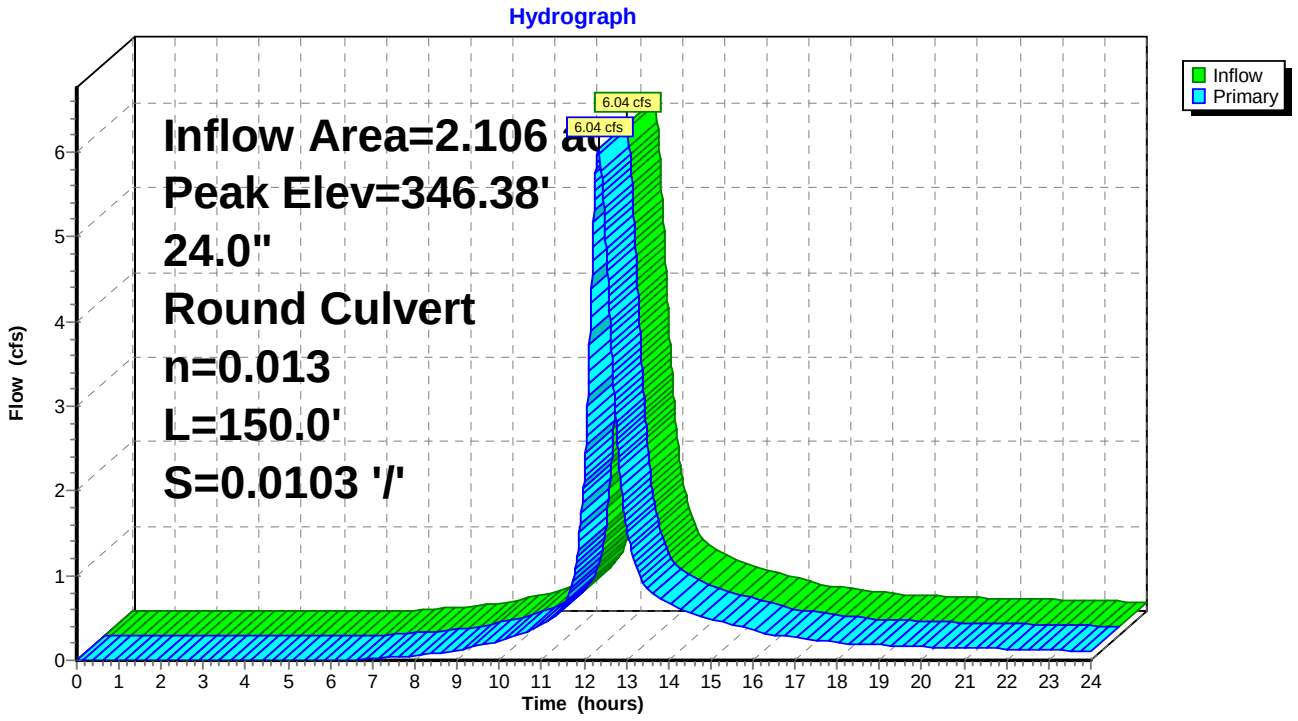
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 4.07" for 25-Year event
Inflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af
Outflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af, Atten= 0%, Lag= 0.0 min
Primary = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.38' @ 12.33 hrs
Flood Elev= 348.80'

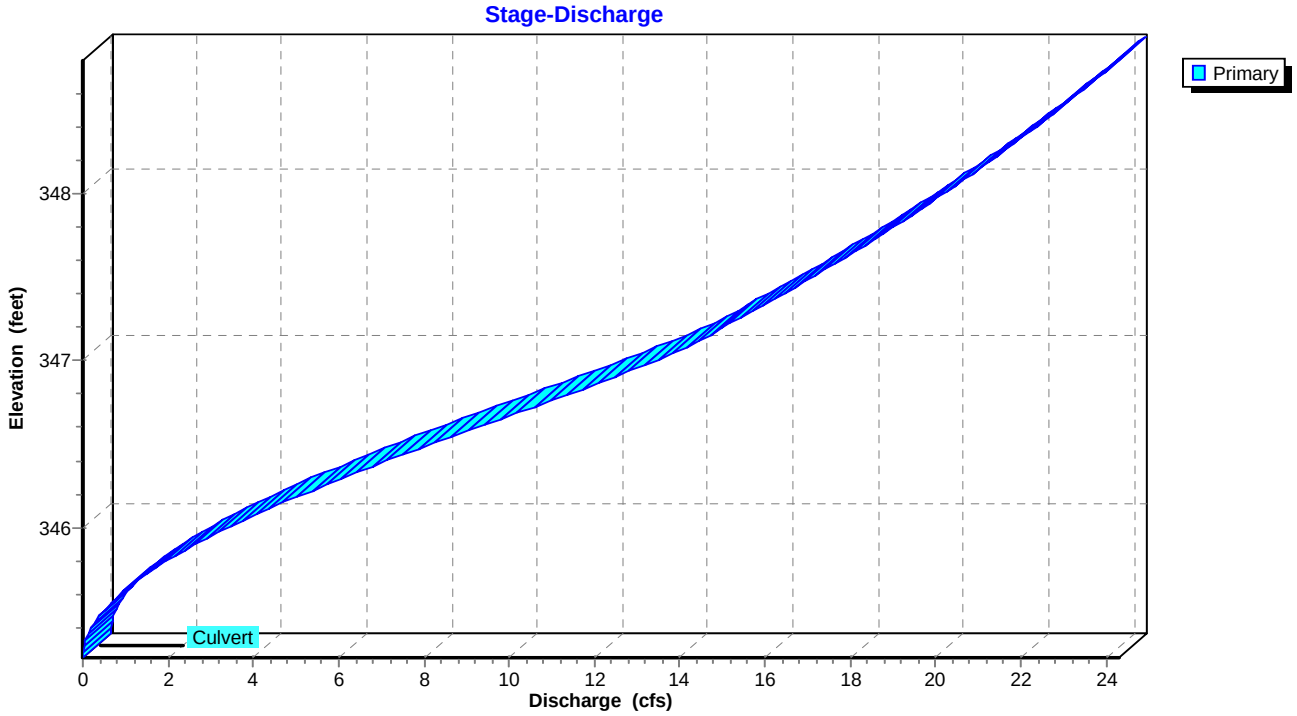
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=6.07 cfs @ 12.34 hrs HW=346.38' TW=345.18' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 6.07 cfs @ 4.63 fps)

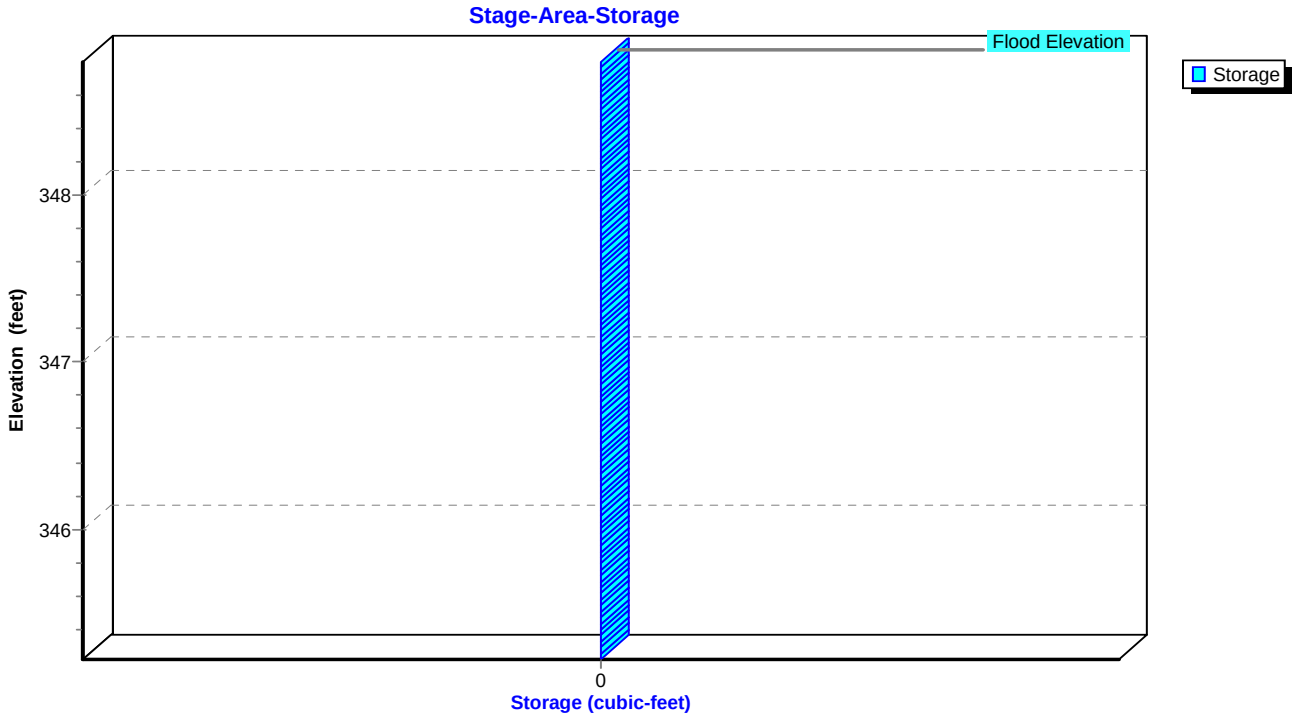
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.22	0.00
6.00	0.00	345.23	0.00
6.50	0.01	345.26	0.01
7.00	0.02	345.28	0.02
7.50	0.04	345.30	0.04
8.00	0.06	345.32	0.06
8.50	0.08	345.34	0.08
9.00	0.12	345.36	0.12
9.50	0.17	345.39	0.17
10.00	0.23	345.41	0.23
10.50	0.31	345.44	0.31
11.00	0.43	345.48	0.43
11.50	0.64	345.54	0.64
12.00	**2.10**	**345.82**	**2.10**
12.50	**5.16**	**346.24**	**5.16**
13.00	1.60	345.74	1.60
13.50	0.85	345.59	0.85
14.00	0.67	345.55	0.67
14.50	0.56	345.52	0.56
15.00	0.49	345.50	0.49
15.50	0.42	345.48	0.42
16.00	0.36	345.46	0.36
16.50	0.30	345.44	0.30
17.00	0.27	345.43	0.27
17.50	0.24	345.42	0.24
18.00	0.21	345.40	0.21
18.50	0.19	345.39	0.19
19.00	0.18	345.39	0.18
19.50	0.17	345.38	0.17
20.00	0.16	345.38	0.16
20.50	0.15	345.38	0.15
21.00	0.15	345.37	0.15
21.50	0.14	345.37	0.14
22.00	0.13	345.37	0.13
22.50	0.13	345.36	0.13
23.00	0.12	345.36	0.12
23.50	0.11	345.36	0.11
24.00	0.11	345.35	0.11

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

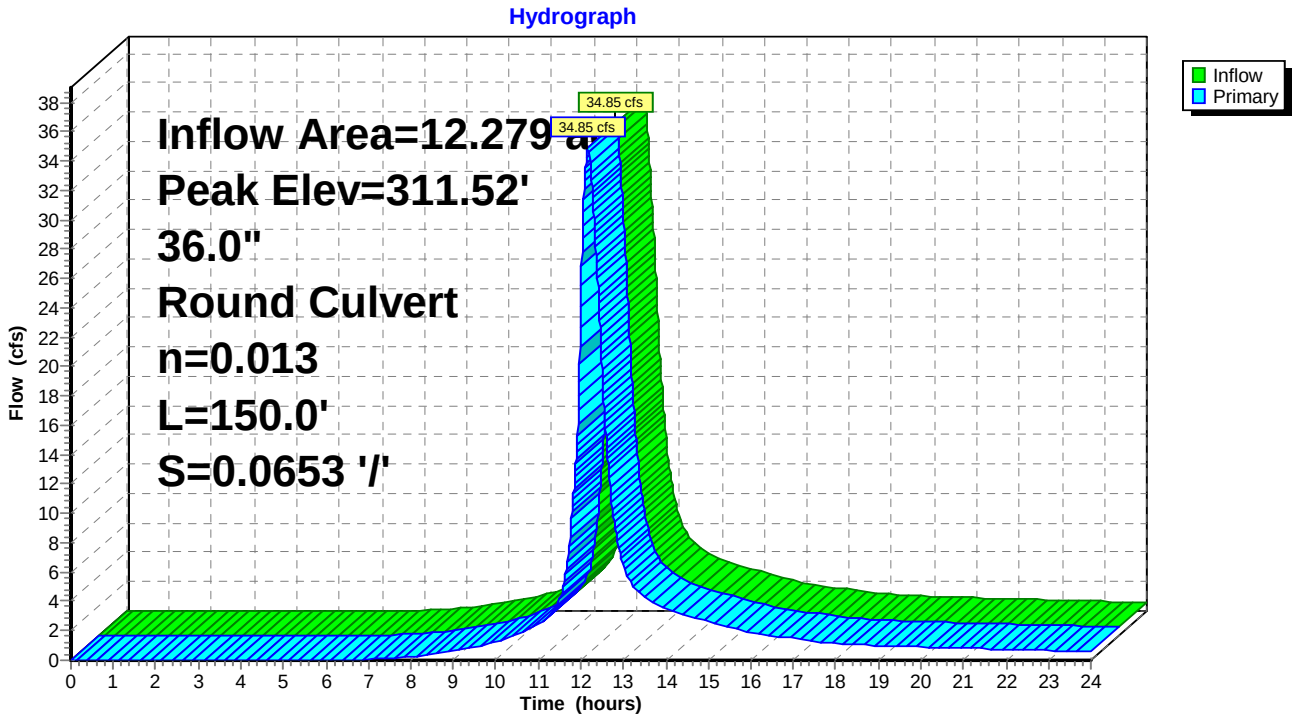
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 3.87" for 25-Year event
Inflow = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af
Outflow = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af, Atten= 0%, Lag= 0.0 min
Primary = 34.85 cfs @ 12.16 hrs, Volume= 3.956 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.52' @ 12.16 hrs
Flood Elev= 313.50'

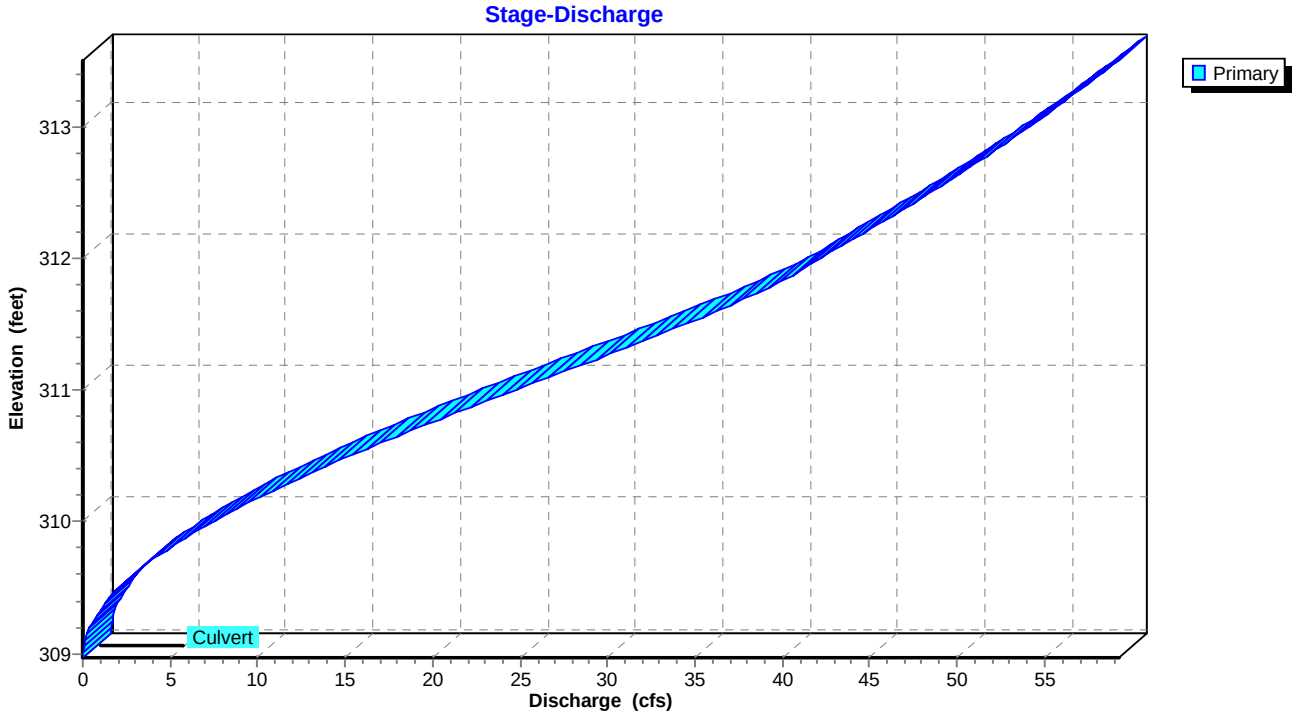
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=34.85 cfs @ 12.16 hrs HW=311.52' TW=300.92' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 34.85 cfs @ 5.44 fps)

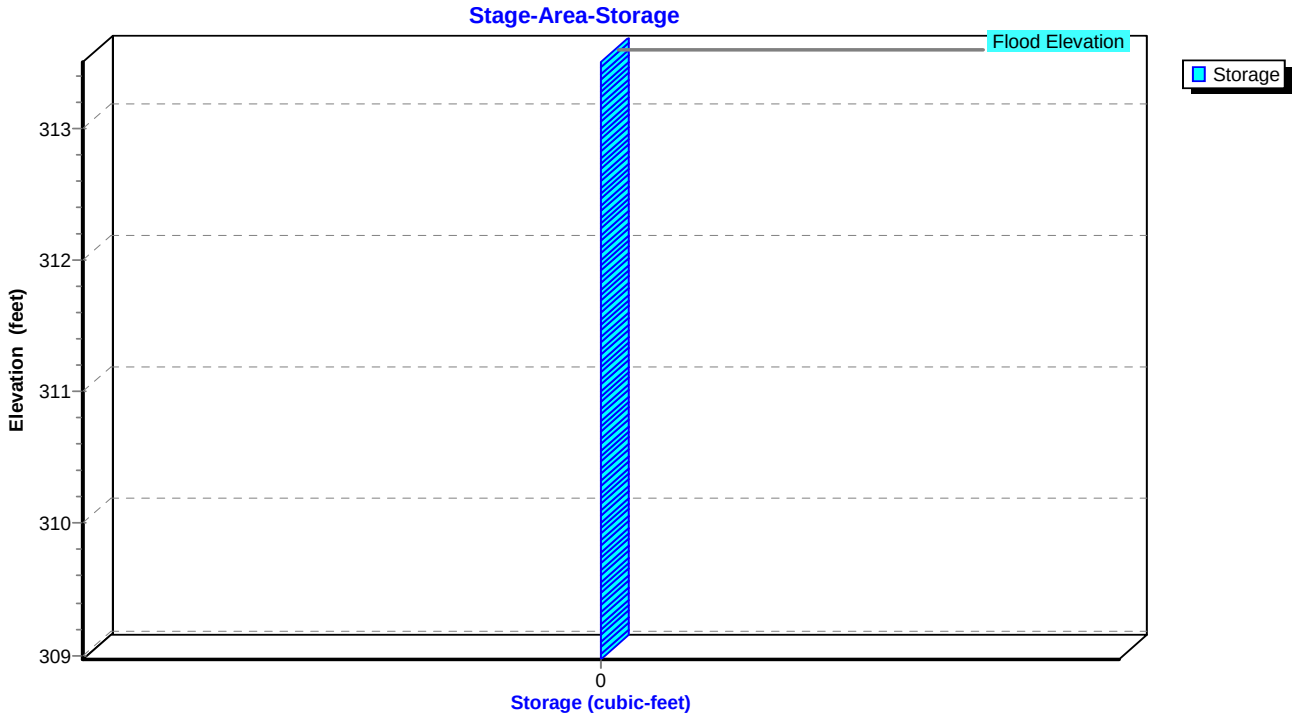
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.00	308.97	0.00
6.00	0.00	308.99	0.00
6.50	0.02	309.02	0.02
7.00	0.06	309.06	0.06
7.50	0.15	309.11	0.15
8.00	0.26	309.15	0.26
8.50	0.41	309.20	0.41
9.00	0.64	309.26	0.64
9.50	0.93	309.32	0.93
10.00	1.26	309.38	1.26
10.50	1.77	309.46	1.77
11.00	2.46	309.55	2.46
11.50	4.11	309.72	4.11
12.00	**24.09**	**310.97**	**24.09**
12.50	**19.80**	**310.75**	**19.80**
13.00	6.50	309.93	6.50
13.50	4.34	309.75	4.34
14.00	3.53	309.67	3.53
14.50	3.00	309.61	3.00
15.00	2.63	309.57	2.63
15.50	2.26	309.52	2.26
16.00	1.89	309.47	1.89
16.50	1.64	309.44	1.64
17.00	1.47	309.41	1.47
17.50	1.31	309.39	1.31
18.00	1.14	309.36	1.14
18.50	1.04	309.34	1.04
19.00	0.99	309.33	0.99
19.50	0.94	309.32	0.94
20.00	0.89	309.31	0.89
20.50	0.85	309.31	0.85
21.00	0.82	309.30	0.82
21.50	0.78	309.29	0.78
22.00	0.74	309.28	0.74
22.50	0.70	309.27	0.70
23.00	0.67	309.27	0.67
23.50	0.63	309.26	0.63
24.00	0.59	309.25	0.59

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

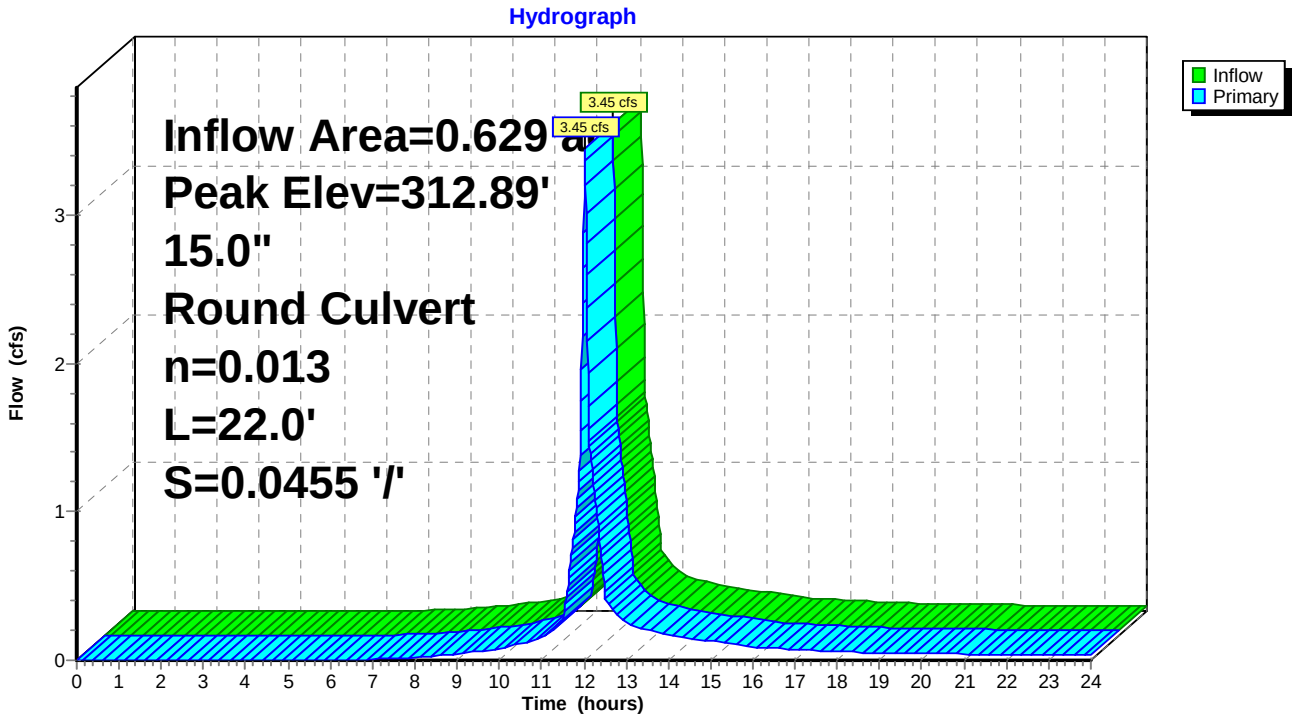
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.99" for 25-Year event
Inflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.89' @ 12.02 hrs
Flood Elev= 314.50'

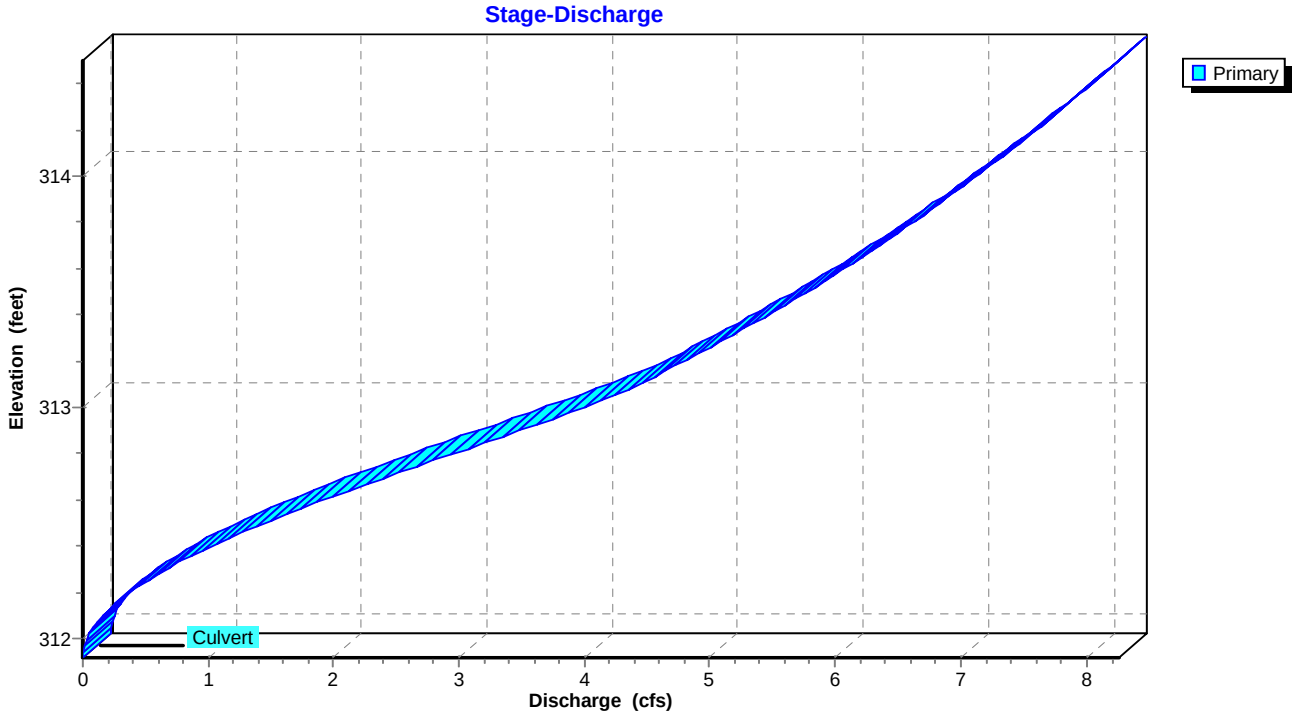
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.45 cfs @ 12.02 hrs HW=312.89' TW=311.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.45 cfs @ 3.36 fps)

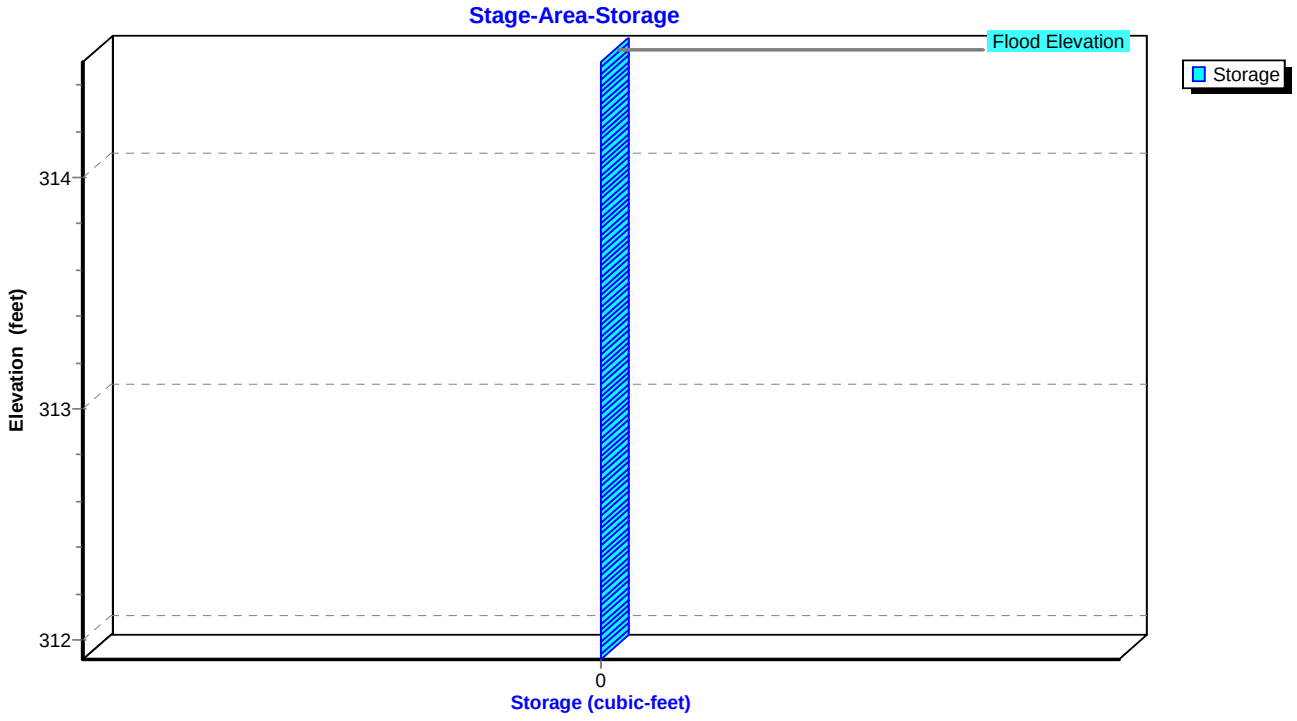
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.94	0.00
7.00	0.01	311.96	0.01
7.50	0.01	311.97	0.01
8.00	0.02	311.98	0.02
8.50	0.03	312.00	0.03
9.00	0.04	312.01	0.04
9.50	0.06	312.03	0.06
10.00	0.08	312.05	0.08
10.50	0.11	312.07	0.11
11.00	0.15	312.10	0.15
11.50	0.27	312.16	0.27
12.00	**3.13**	**312.83**	**3.13**
12.50	**0.45**	**312.23**	**0.45**
13.00	0.25	312.15	0.25
13.50	0.21	312.13	0.21
14.00	0.17	312.11	0.17
14.50	0.15	312.09	0.15
15.00	0.13	312.08	0.13
15.50	0.11	312.07	0.11
16.00	0.09	312.06	0.09
16.50	0.08	312.05	0.08
17.00	0.07	312.04	0.07
17.50	0.06	312.03	0.06
18.00	0.06	312.03	0.06
18.50	0.05	312.02	0.05
19.00	0.05	312.02	0.05
19.50	0.05	312.02	0.05
20.00	0.05	312.02	0.05
20.50	0.04	312.01	0.04
21.00	0.04	312.01	0.04
21.50	0.04	312.01	0.04
22.00	0.04	312.01	0.04
22.50	0.04	312.00	0.04
23.00	0.03	312.00	0.03
23.50	0.03	312.00	0.03
24.00	0.03	312.00	0.03

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

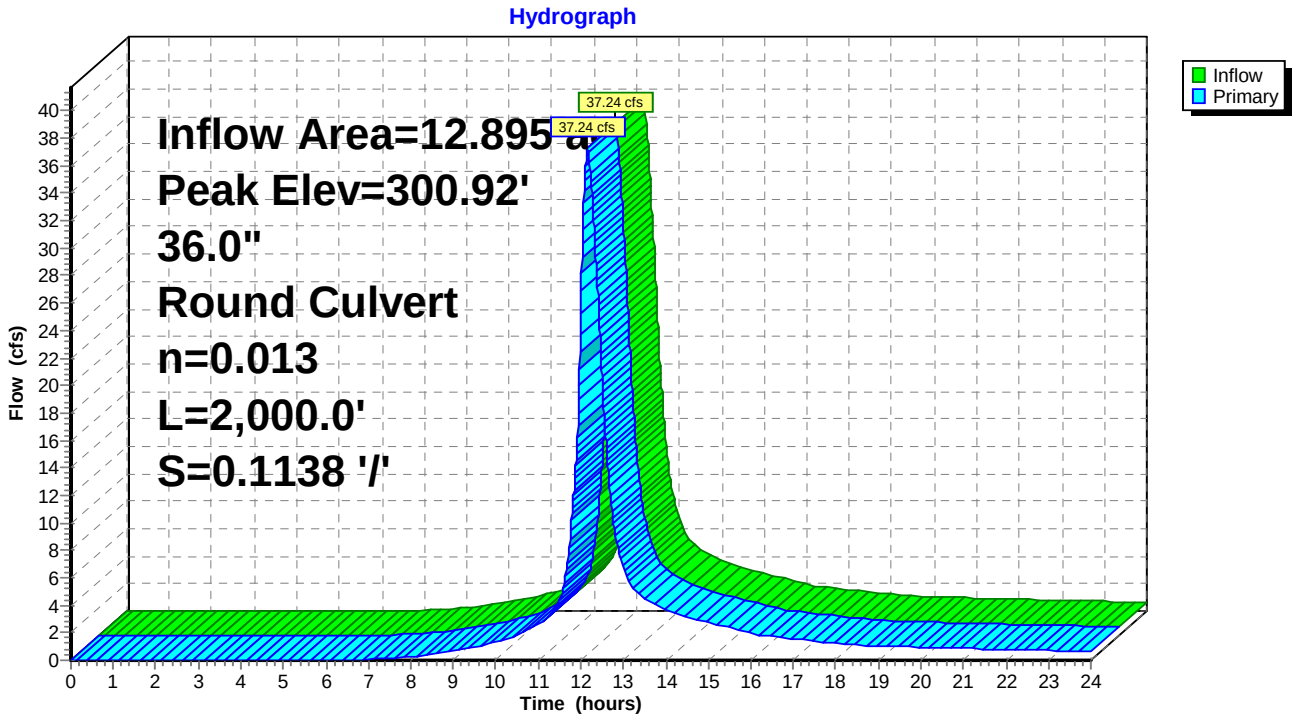
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 3.87" for 25-Year event
Inflow = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af
Outflow = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af, Atten= 0%, Lag= 0.0 min
Primary = 37.24 cfs @ 12.16 hrs, Volume= 4.155 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.92' @ 12.16 hrs
Flood Elev= 303.50'

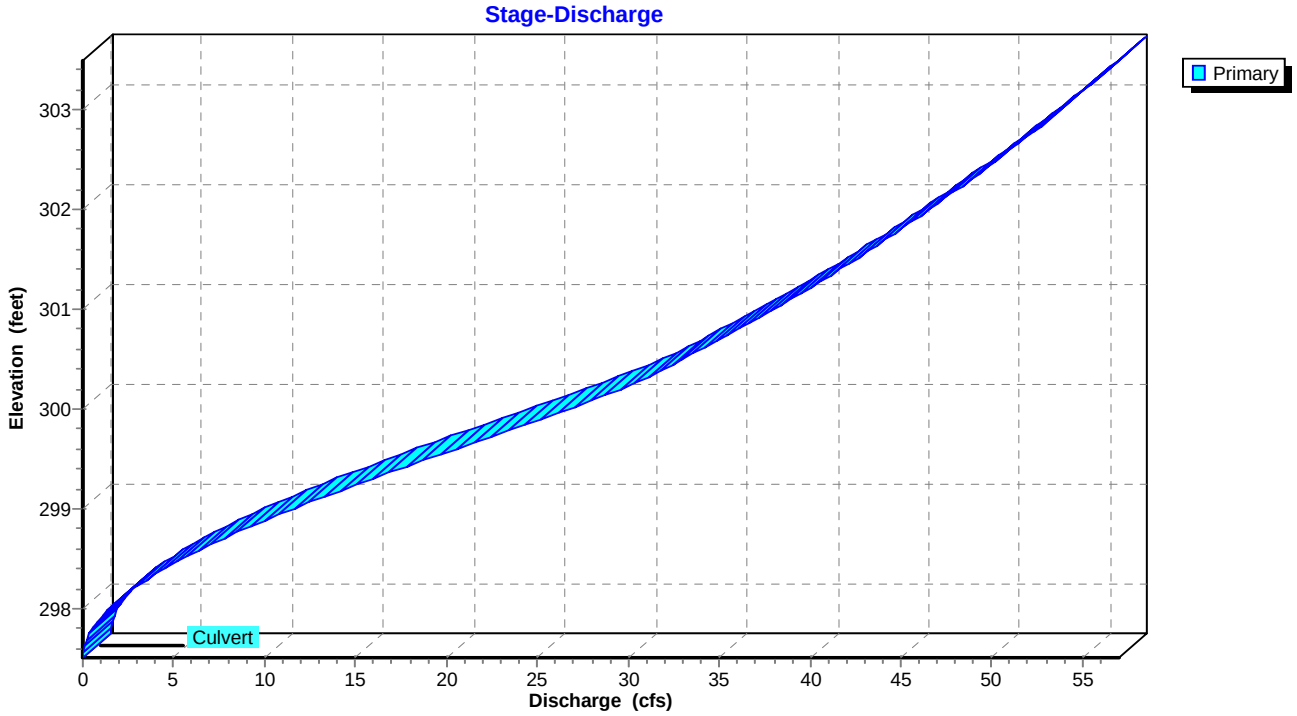
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=37.23 cfs @ 12.16 hrs HW=300.92' (Free Discharge)
1=Culvert (Inlet Controls 37.23 cfs @ 5.27 fps)

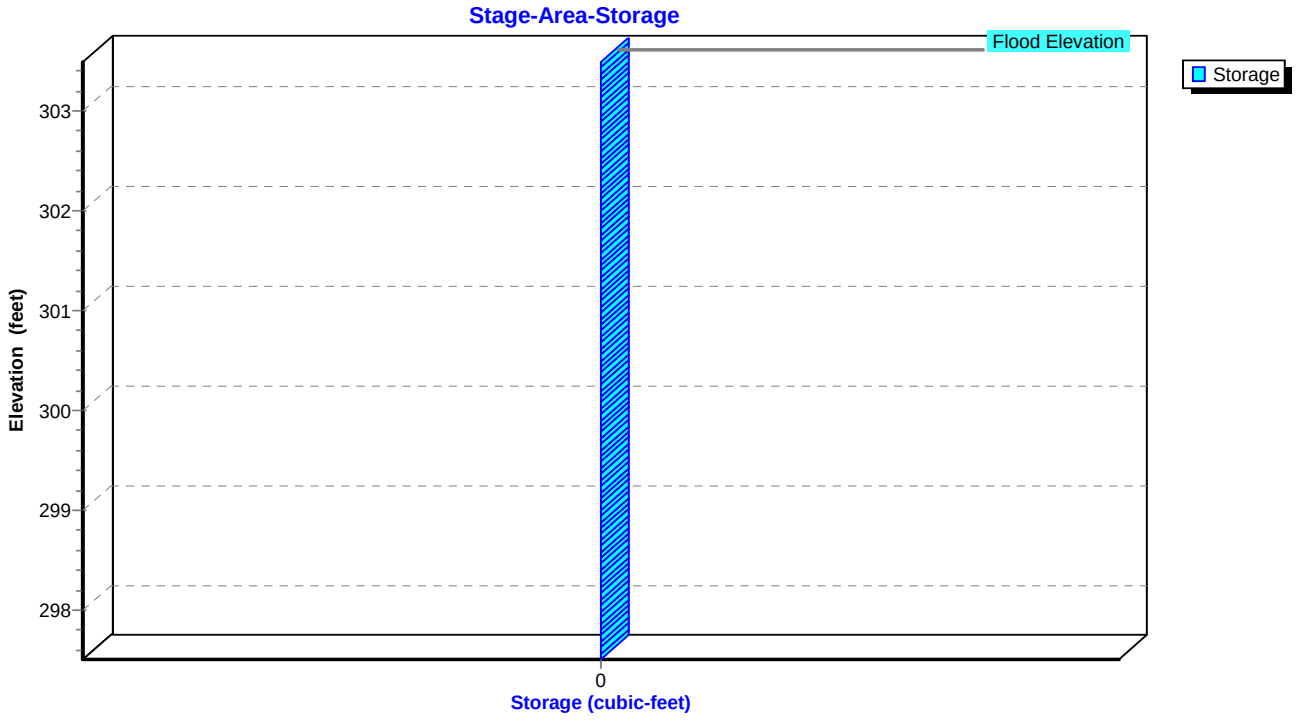
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.00	297.50	0.00
6.00	0.00	297.52	0.00
6.50	0.02	297.55	0.02
7.00	0.07	297.60	0.07
7.50	0.15	297.66	0.15
8.00	0.27	297.71	0.27
8.50	0.44	297.77	0.44
9.00	0.67	297.84	0.67
9.50	0.97	297.90	0.97
10.00	1.33	297.97	1.33
10.50	1.86	298.06	1.86
11.00	2.59	298.17	2.59
11.50	4.34	298.38	4.34
12.00	**25.29**	**299.90**	**25.29**
12.50	**20.61**	**299.60**	**20.61**
13.00	6.78	298.61	6.78
13.50	4.55	298.40	4.55
14.00	3.70	298.31	3.70
14.50	3.15	298.24	3.15
15.00	2.76	298.19	2.76
15.50	2.37	298.14	2.37
16.00	1.98	298.08	1.98
16.50	1.72	298.04	1.72
17.00	1.54	298.01	1.54
17.50	1.37	297.98	1.37
18.00	1.20	297.95	1.20
18.50	1.10	297.93	1.10
19.00	1.04	297.92	1.04
19.50	0.99	297.91	0.99
20.00	0.94	297.90	0.94
20.50	0.90	297.89	0.90
21.00	0.86	297.88	0.86
21.50	0.82	297.87	0.82
22.00	0.78	297.86	0.78
22.50	0.74	297.85	0.74
23.00	0.70	297.84	0.70
23.50	0.66	297.83	0.66
24.00	0.62	297.82	0.62

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

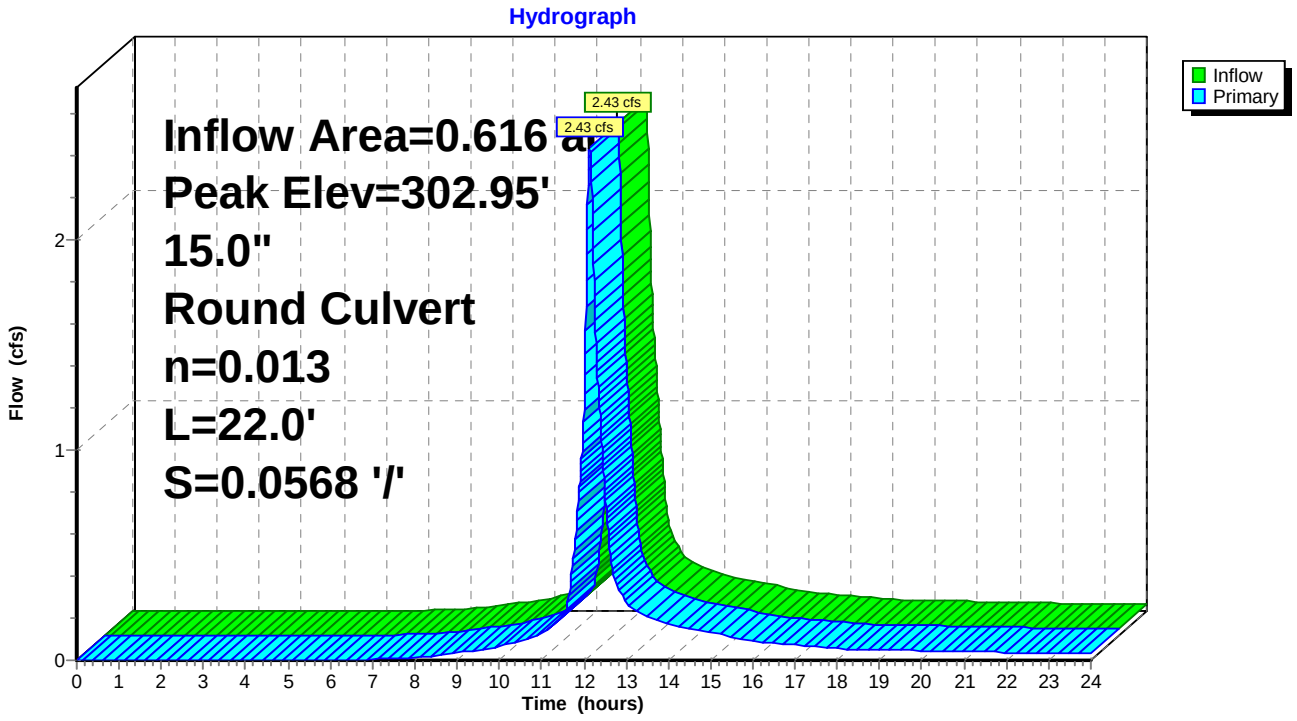
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af
Outflow = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af, Atten= 0%, Lag= 0.0 min
Primary = 2.43 cfs @ 12.14 hrs, Volume= 0.199 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.95' @ 12.14 hrs
Flood Elev= 304.80'

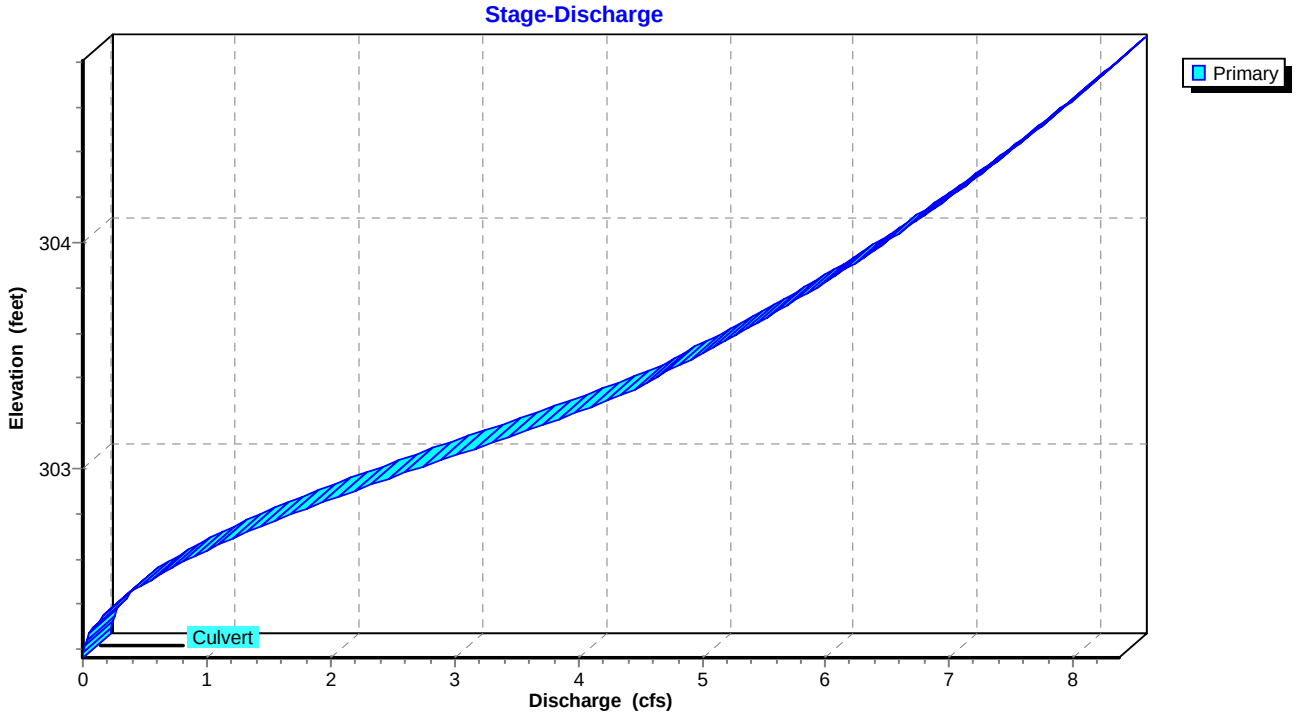
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.43 cfs @ 12.14 hrs HW=302.95' TW=300.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.43 cfs @ 3.01 fps)

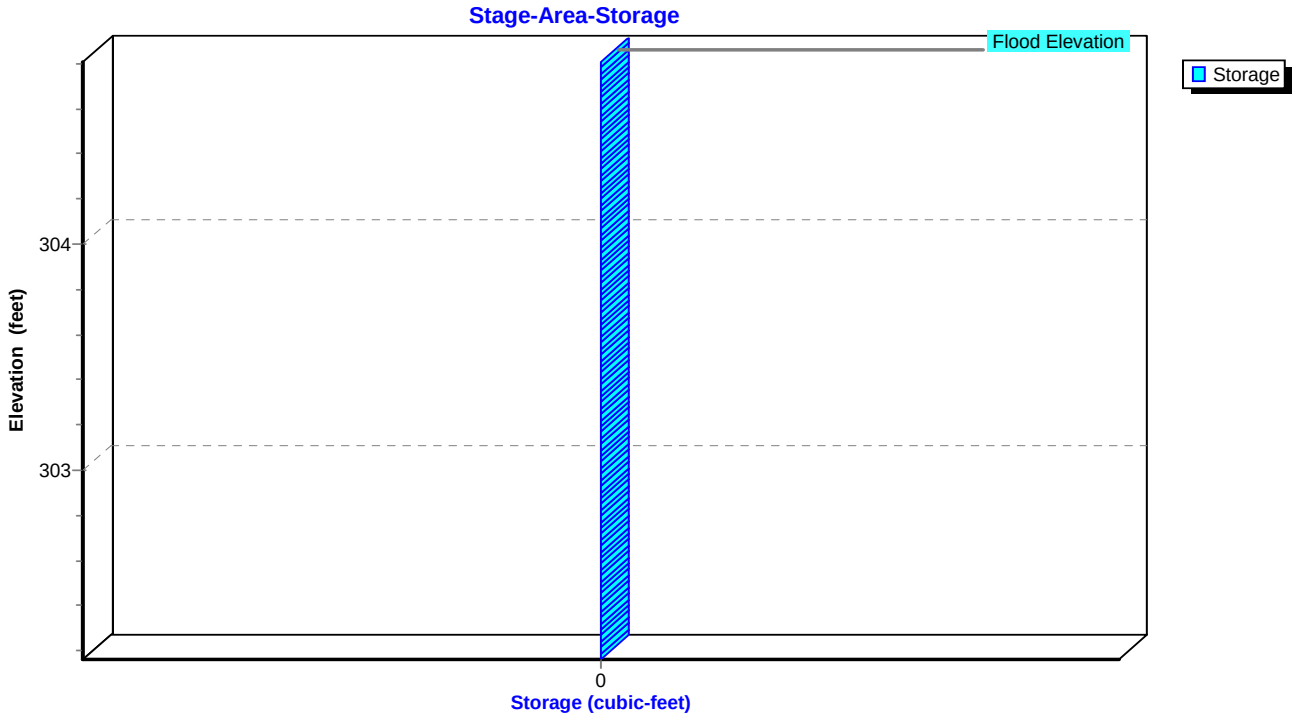
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.17	0.00
6.50	0.00	302.17	0.00
7.00	0.00	302.20	0.00
7.50	0.01	302.21	0.01
8.00	0.01	302.22	0.01
8.50	0.02	302.24	0.02
9.00	0.03	302.25	0.03
9.50	0.05	302.27	0.05
10.00	0.07	302.29	0.07
10.50	0.09	302.31	0.09
11.00	0.13	302.33	0.13
11.50	0.22	302.38	0.22
12.00	**1.19**	**302.69**	**1.19**
12.50	**0.81**	**302.59**	**0.81**
13.00	0.28	302.41	0.28
13.50	0.21	302.38	0.21
14.00	0.17	302.36	0.17
14.50	0.15	302.34	0.15
15.00	0.13	302.33	0.13
15.50	0.11	302.32	0.11
16.00	0.09	302.31	0.09
16.50	0.08	302.30	0.08
17.00	0.07	302.29	0.07
17.50	0.06	302.28	0.06
18.00	0.06	302.28	0.06
18.50	0.05	302.27	0.05
19.00	0.05	302.27	0.05
19.50	0.05	302.27	0.05
20.00	0.04	302.26	0.04
20.50	0.04	302.26	0.04
21.00	0.04	302.26	0.04
21.50	0.04	302.26	0.04
22.00	0.04	302.26	0.04
22.50	0.04	302.25	0.04
23.00	0.03	302.25	0.03
23.50	0.03	302.25	0.03
24.00	0.03	302.25	0.03

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

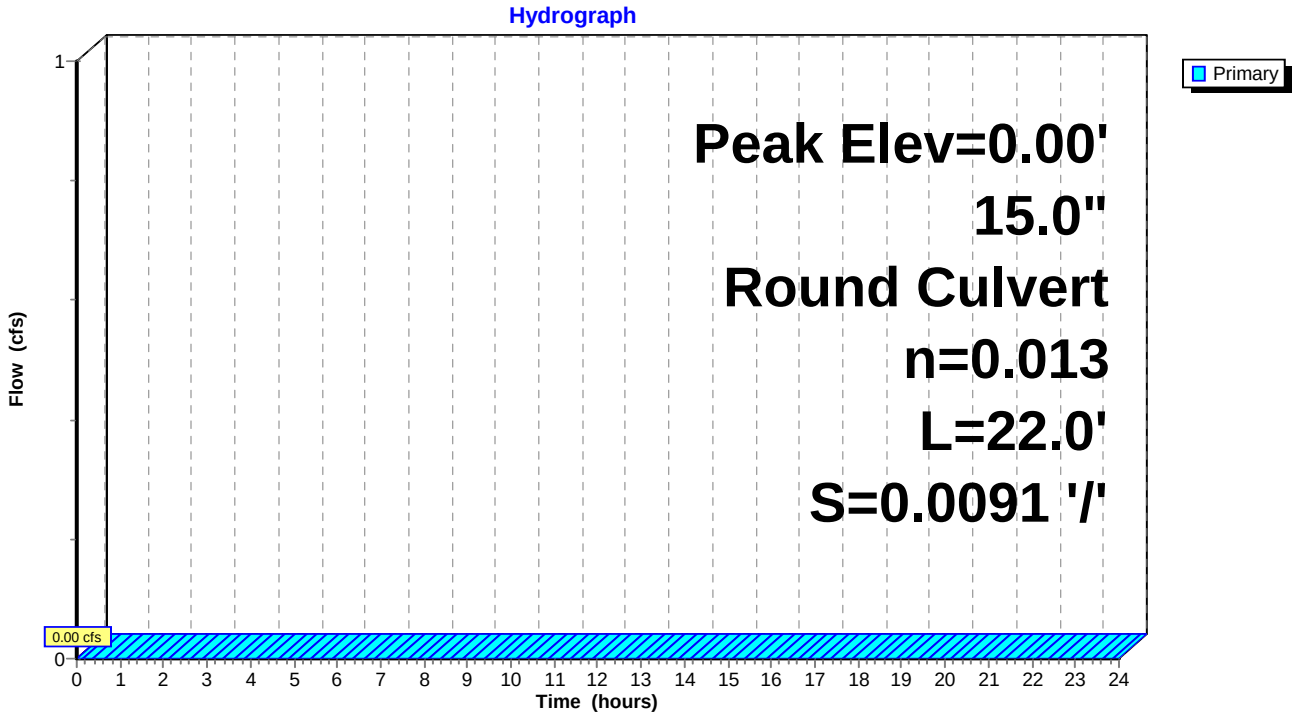
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

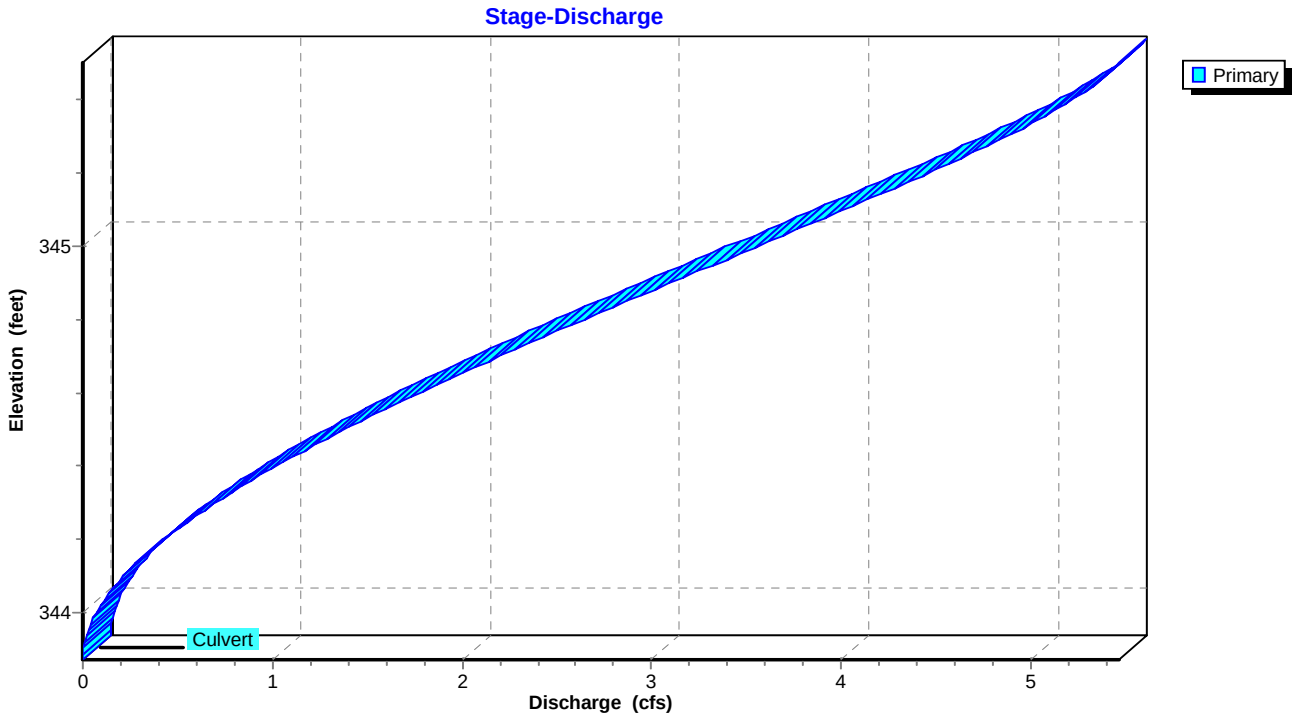
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

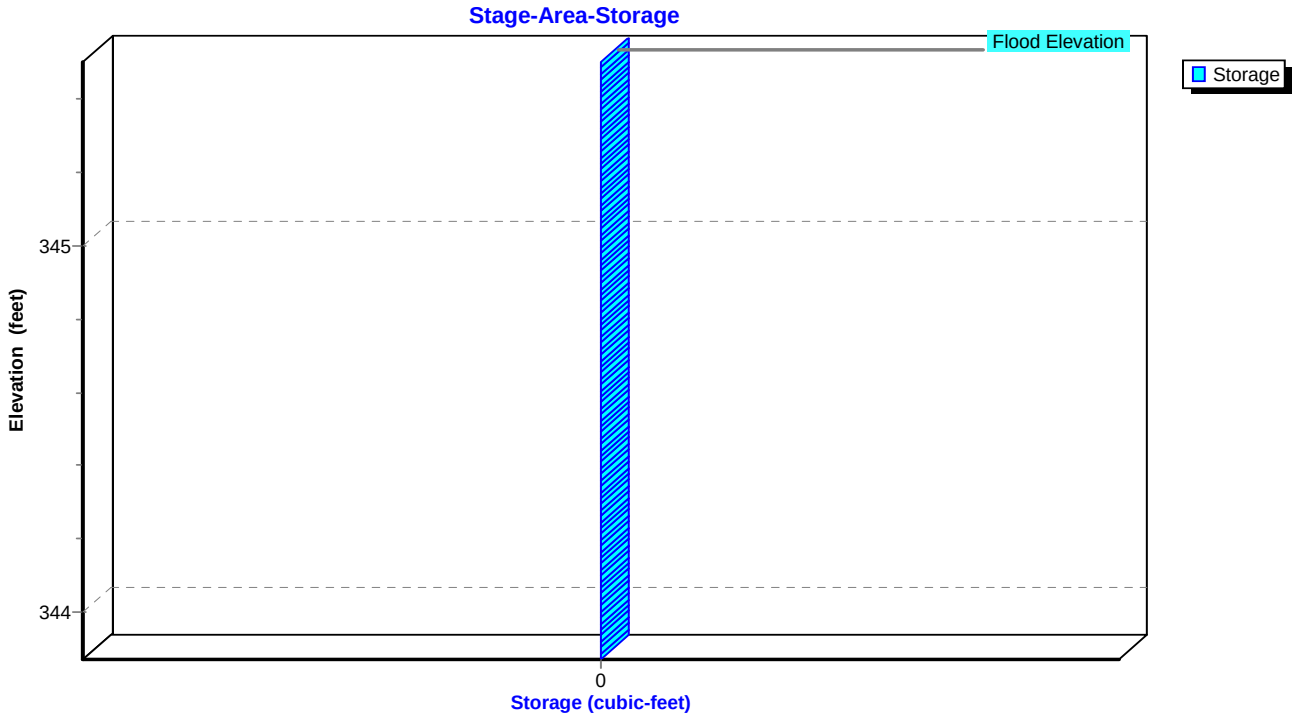
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

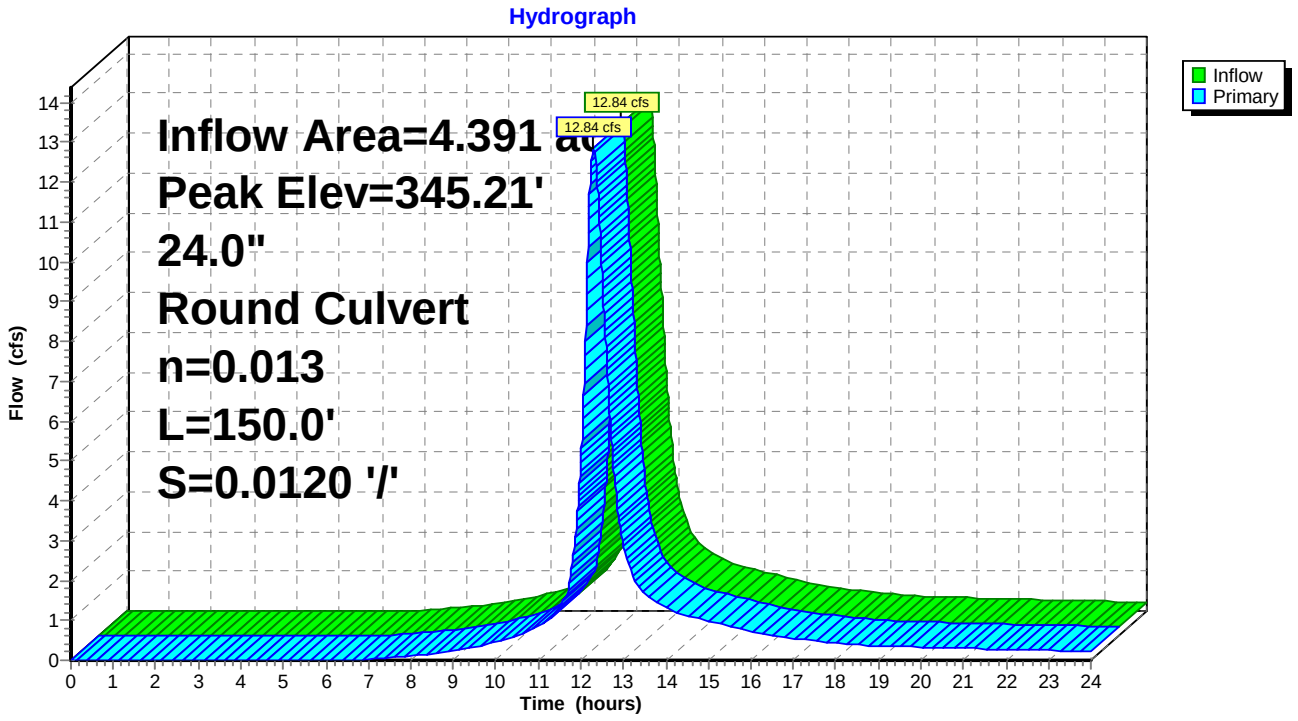
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af
Outflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af, Atten= 0%, Lag= 0.0 min
Primary = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.21' @ 12.30 hrs
Flood Elev= 347.00'

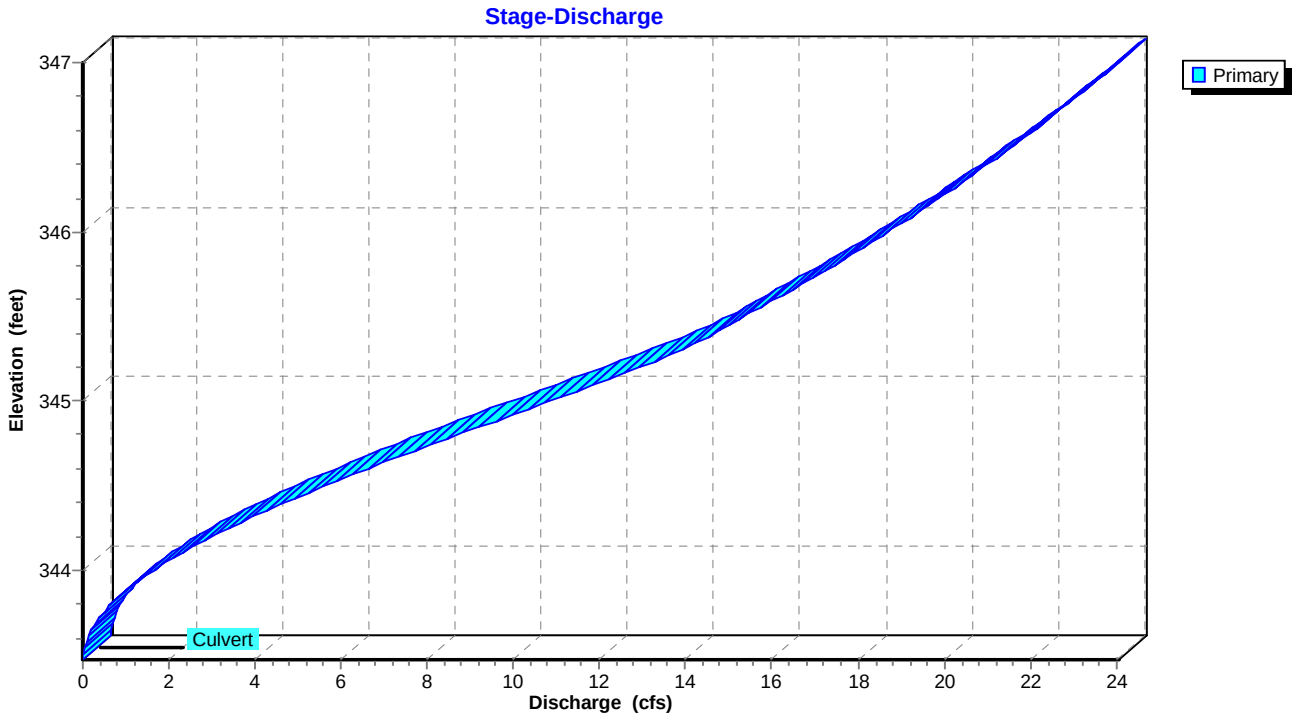
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.83 cfs @ 12.29 hrs HW=345.21' TW=343.56' (Dynamic Tailwater)
1=Culvert (Outlet Controls 12.83 cfs @ 5.91 fps)

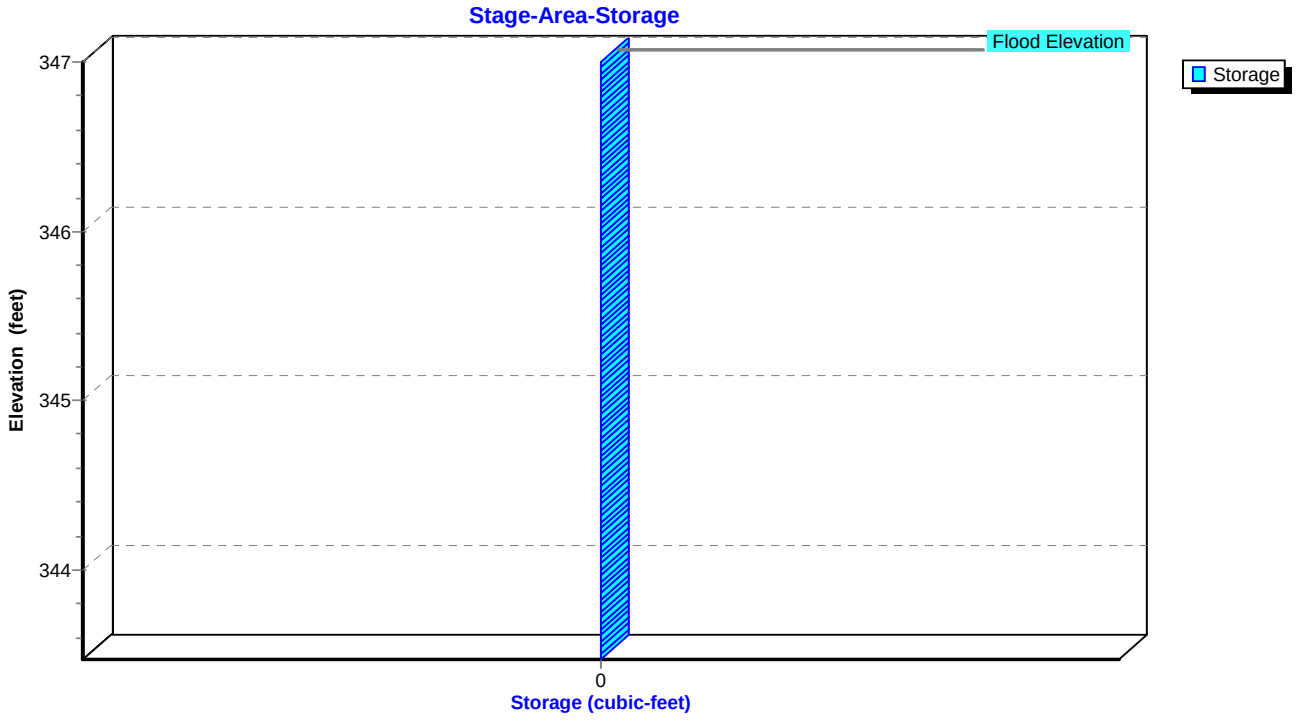
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.47	0.00
6.00	0.00	343.48	0.00
6.50	0.01	343.51	0.01
7.00	0.03	343.54	0.03
7.50	0.06	343.57	0.06
8.00	0.10	343.60	0.10
8.50	0.15	343.63	0.15
9.00	0.23	343.66	0.23
9.50	0.34	343.70	0.34
10.00	0.46	343.74	0.46
10.50	0.62	343.79	0.62
11.00	0.86	343.85	0.86
11.50	1.34	343.94	1.34
12.00	**4.95**	**344.43**	**4.95**
12.50	**9.72**	**344.89**	**9.72**
13.00	2.89	344.18	2.89
13.50	1.68	344.00	1.68
14.00	1.35	343.95	1.35
14.50	1.13	343.90	1.13
15.00	0.99	343.88	0.99
15.50	0.85	343.85	0.85
16.00	0.72	343.81	0.72
16.50	0.61	343.79	0.61
17.00	0.55	343.77	0.55
17.50	0.49	343.75	0.49
18.00	0.43	343.73	0.43
18.50	0.38	343.72	0.38
19.00	0.36	343.71	0.36
19.50	0.35	343.71	0.35
20.00	0.33	343.70	0.33
20.50	0.31	343.69	0.31
21.00	0.30	343.69	0.30
21.50	0.28	343.68	0.28
22.00	0.27	343.68	0.27
22.50	0.26	343.67	0.26
23.00	0.24	343.67	0.24
23.50	0.23	343.66	0.23
24.00	0.22	343.66	0.22

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

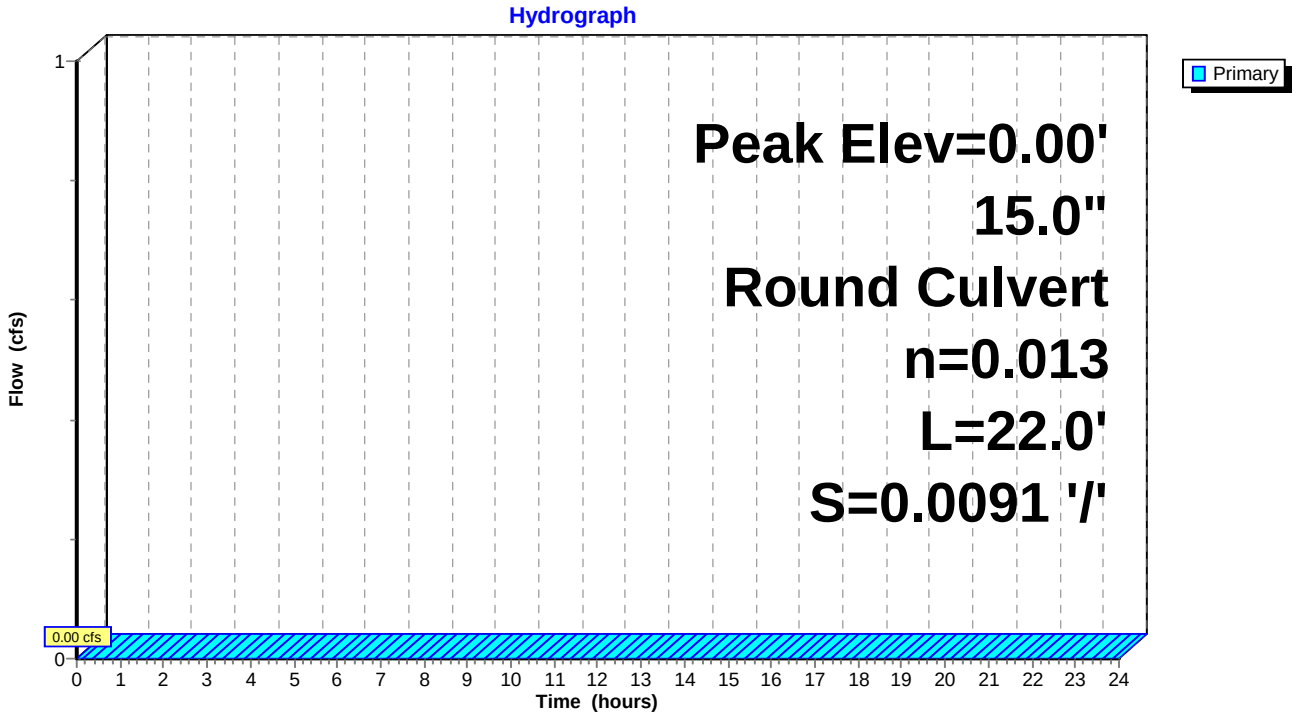
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

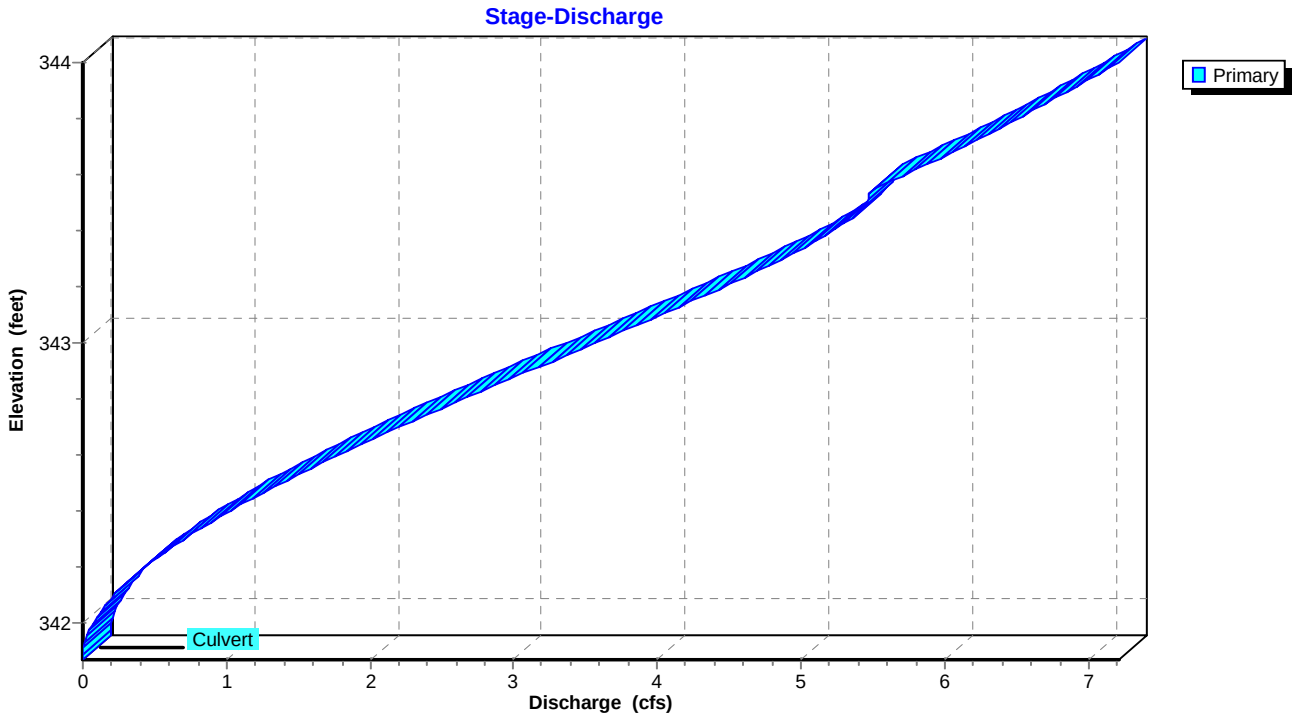
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

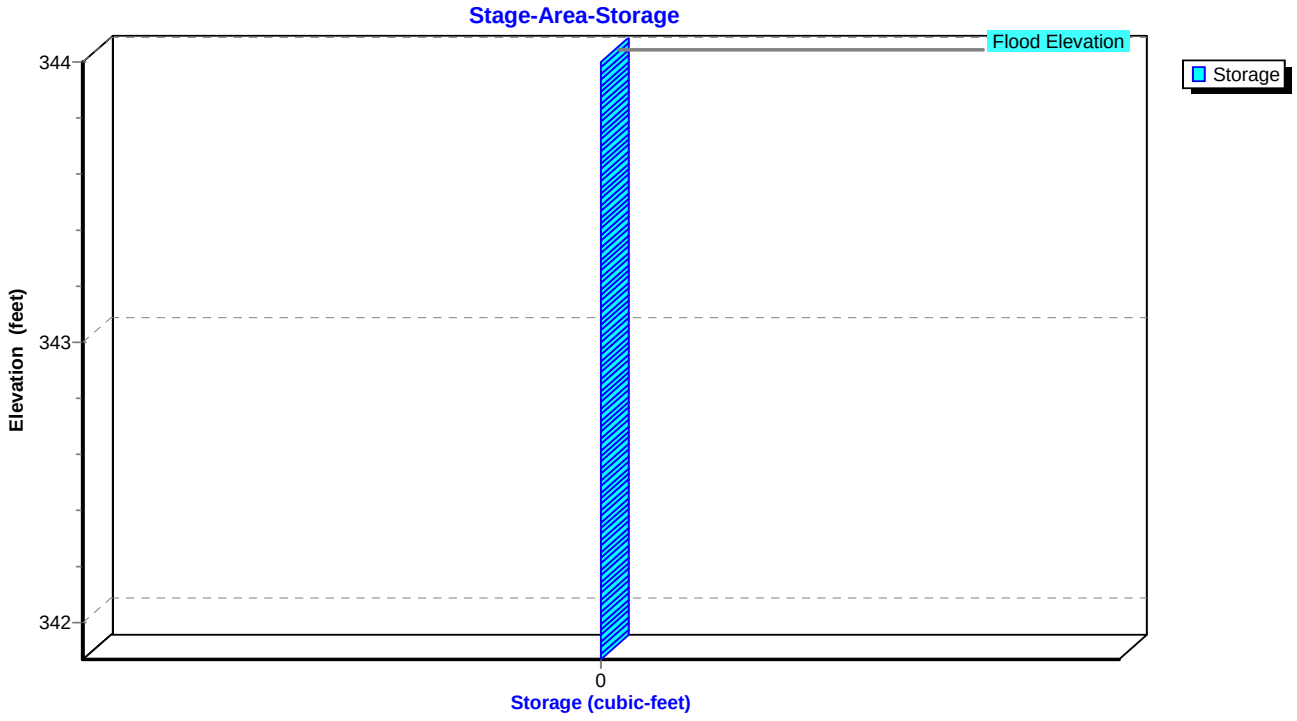
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

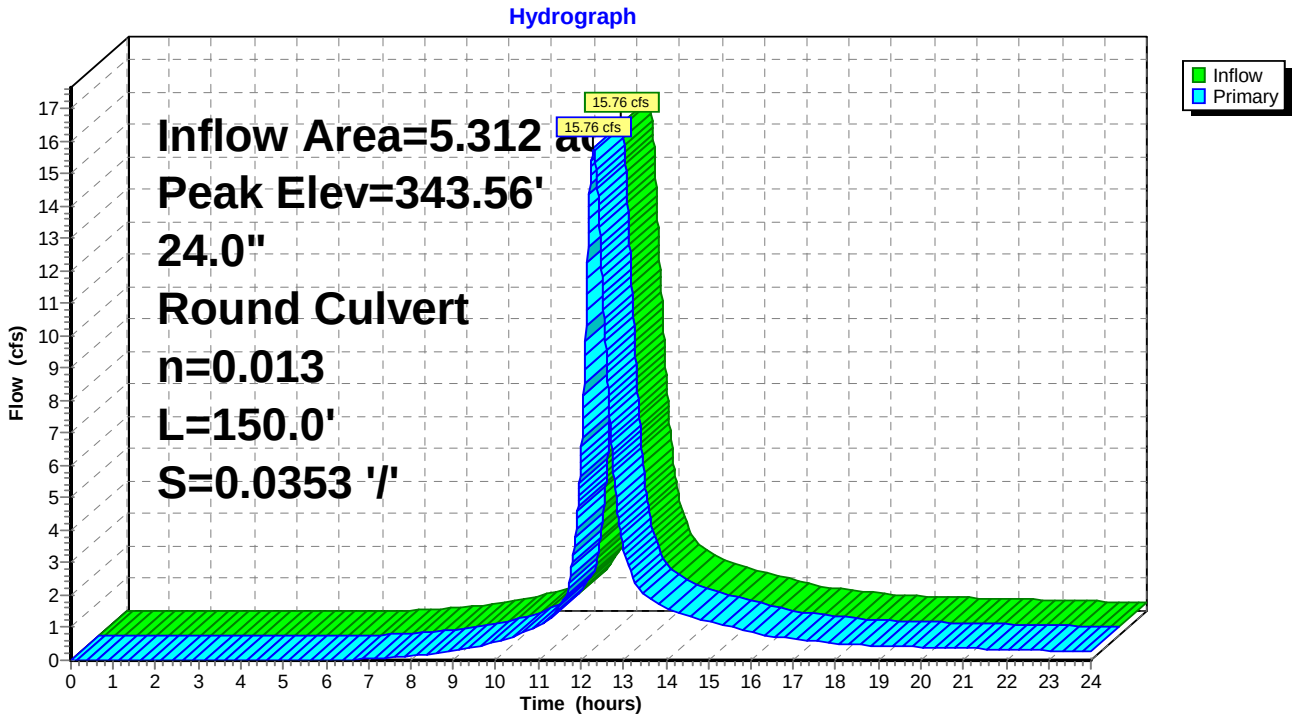
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.00" for 25-Year event
Inflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af
Outflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af, Atten= 0%, Lag= 0.0 min
Primary = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.56' @ 12.29 hrs
Flood Elev= 345.00'

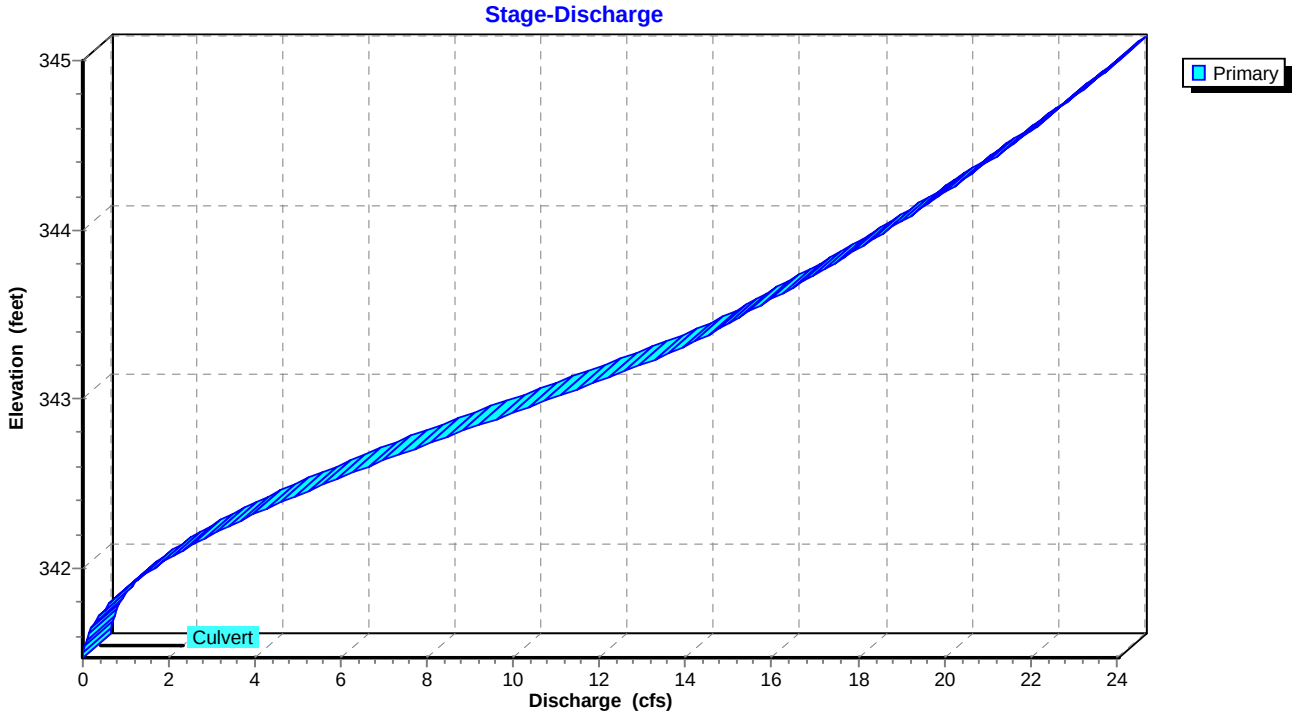
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.76 cfs @ 12.29 hrs HW=343.56' TW=337.85' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 15.76 cfs @ 5.02 fps)

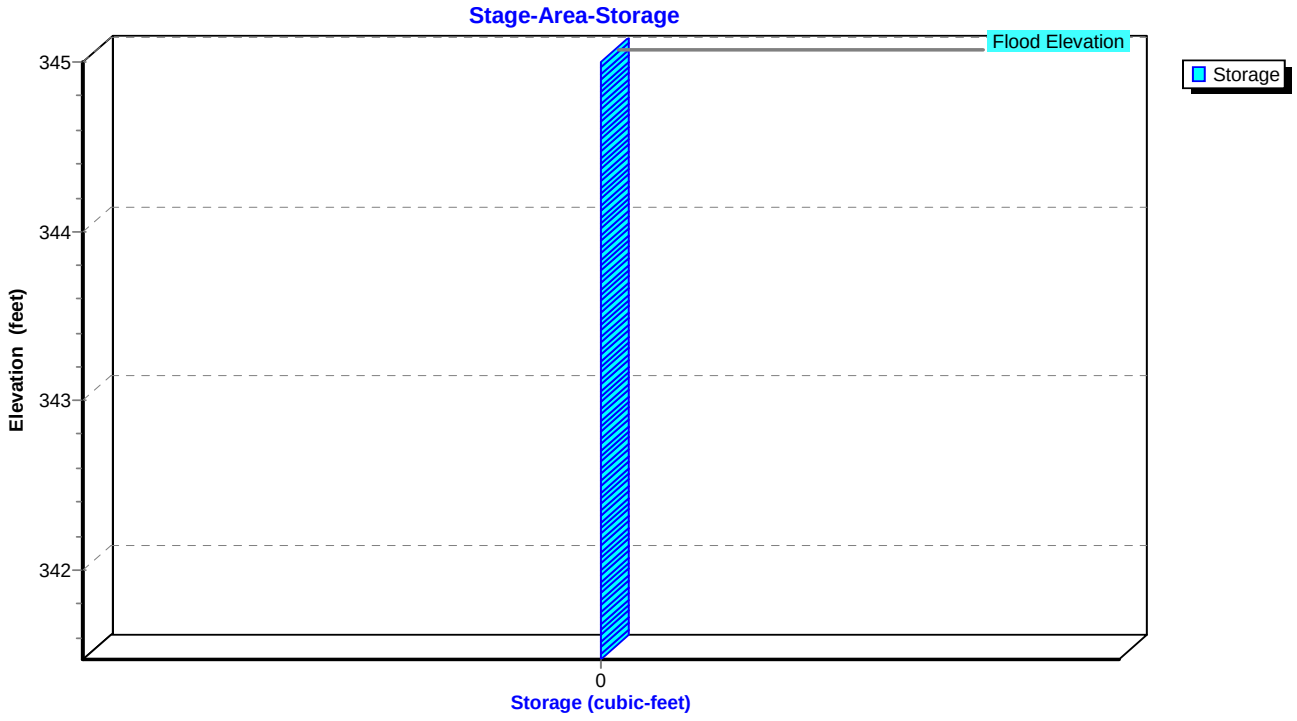
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.47	0.00
6.00	0.00	341.49	0.00
6.50	0.01	341.52	0.01
7.00	0.04	341.55	0.04
7.50	0.08	341.58	0.08
8.00	0.13	341.61	0.13
8.50	0.20	341.65	0.20
9.00	0.30	341.69	0.30
9.50	0.42	341.73	0.42
10.00	0.57	341.78	0.57
10.50	0.77	341.83	0.77
11.00	1.07	341.89	1.07
11.50	1.65	342.00	1.65
12.00	**6.09**	**342.55**	**6.09**
12.50	**11.80**	**343.09**	**11.80**
13.00	3.48	342.26	3.48
13.50	2.03	342.06	2.03
14.00	1.64	342.00	1.64
14.50	1.37	341.95	1.37
15.00	1.20	341.92	1.20
15.50	1.04	341.89	1.04
16.00	0.87	341.85	0.87
16.50	0.74	341.82	0.74
17.00	0.66	341.80	0.66
17.50	0.59	341.78	0.59
18.00	0.52	341.76	0.52
18.50	0.47	341.75	0.47
19.00	0.44	341.74	0.44
19.50	0.42	341.73	0.42
20.00	0.40	341.72	0.40
20.50	0.38	341.72	0.38
21.00	0.36	341.71	0.36
21.50	0.35	341.71	0.35
22.00	0.33	341.70	0.33
22.50	0.31	341.69	0.31
23.00	0.30	341.69	0.30
23.50	0.28	341.68	0.28
24.00	0.26	341.68	0.26

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.47	**0**	344.02	0
341.52	0	344.07	0
341.57	0	344.12	0
341.62	0	344.17	0
341.67	0	344.22	0
341.72	0	344.27	0
341.77	0	344.32	0
341.82	0	344.37	0
341.87	0	344.42	0
341.92	0	344.47	0
341.97	0	344.52	0
342.02	0	344.57	0
342.07	0	344.62	0
342.12	0	344.67	0
342.17	0	344.72	0
342.22	0	344.77	0
342.27	0	344.82	0
342.32	0	344.87	0
342.37	0	344.92	0
342.42	0	344.97	0
342.47	0		
342.52	0		
342.57	0		
342.62	0		
342.67	0		
342.72	0		
342.77	0		
342.82	0		
342.87	0		
342.92	0		
342.97	0		
343.02	0		
343.07	0		
343.12	0		
343.17	0		
343.22	0		
343.27	0		
343.32	0		
343.37	0		
343.42	0		
343.47	0		
343.52	0		
343.57	0		
343.62	0		
343.67	0		
343.72	0		
343.77	0		
343.82	0		
343.87	0		
343.92	0		
343.97	0		

Summary for Pond CB4: Catchbasin

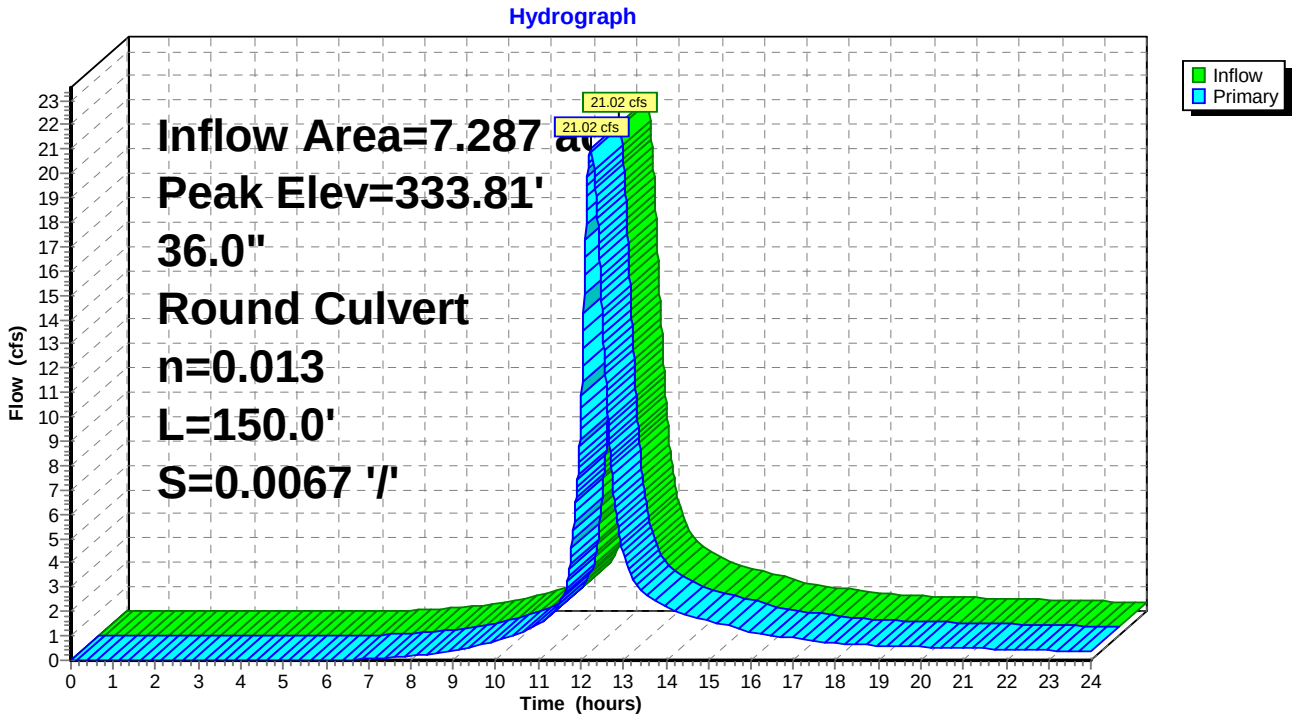
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.81' @ 12.23 hrs
Flood Elev= 337.75'

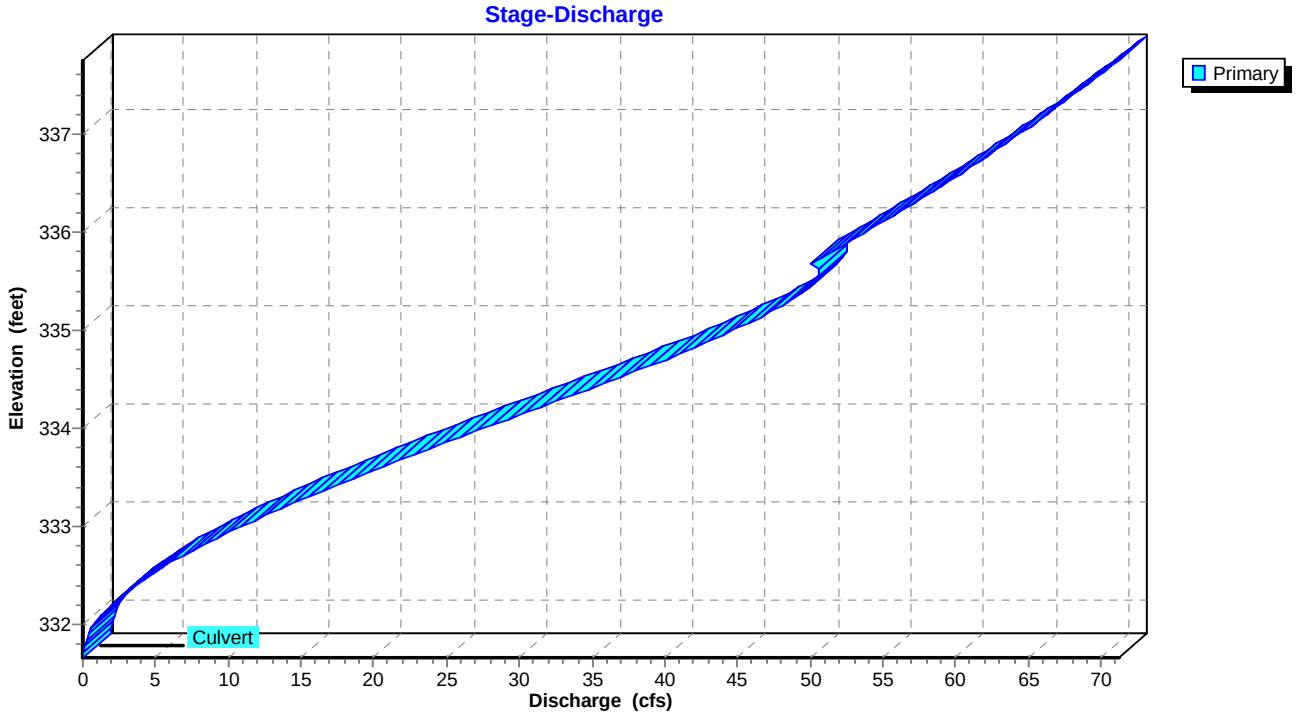
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.03 cfs @ 12.23 hrs HW=333.81' TW=332.65' (Dynamic Tailwater)
1=Culvert (Outlet Controls 21.03 cfs @ 5.45 fps)

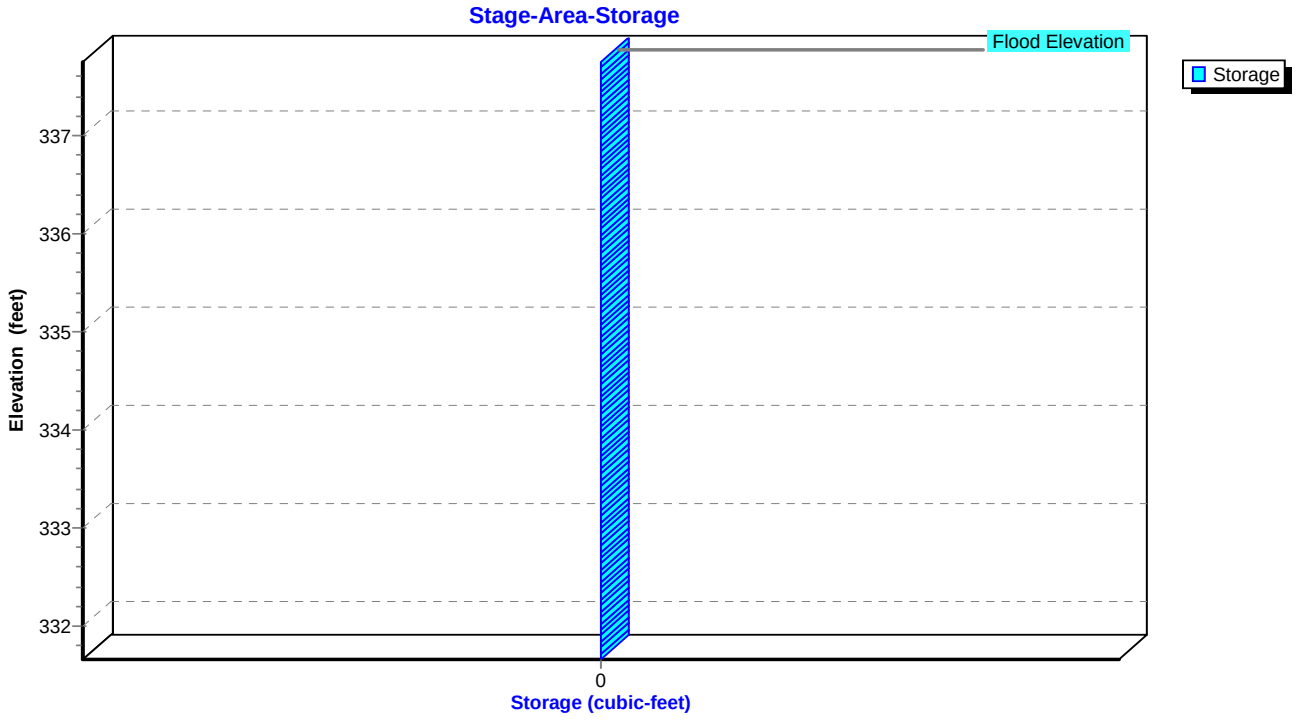
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.67	0.00
6.00	0.00	331.69	0.00
6.50	0.01	331.72	0.01
7.00	0.05	331.76	0.05
7.50	0.11	331.80	0.11
8.00	0.17	331.84	0.17
8.50	0.27	331.87	0.27
9.00	0.40	331.92	0.40
9.50	0.58	331.97	0.58
10.00	0.78	332.01	0.78
10.50	1.07	332.07	1.07
11.00	1.48	332.14	1.48
11.50	2.36	332.26	2.36
12.00	**9.89**	**332.98**	**9.89**
12.50	**14.42**	**333.32**	**14.42**
13.00	4.39	332.49	4.39
13.50	2.70	332.30	2.70
14.00	2.19	332.24	2.19
14.50	1.84	332.19	1.84
15.00	1.62	332.16	1.62
15.50	1.39	332.12	1.39
16.00	1.17	332.09	1.17
16.50	1.00	332.06	1.00
17.00	0.90	332.04	0.90
17.50	0.80	332.02	0.80
18.00	0.70	331.99	0.70
18.50	0.63	331.98	0.63
19.00	0.60	331.97	0.60
19.50	0.57	331.96	0.57
20.00	0.54	331.96	0.54
20.50	0.51	331.95	0.51
21.00	0.49	331.94	0.49
21.50	0.47	331.94	0.47
22.00	0.45	331.93	0.45
22.50	0.43	331.92	0.43
23.00	0.40	331.92	0.40
23.50	0.38	331.91	0.38
24.00	0.36	331.90	0.36

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

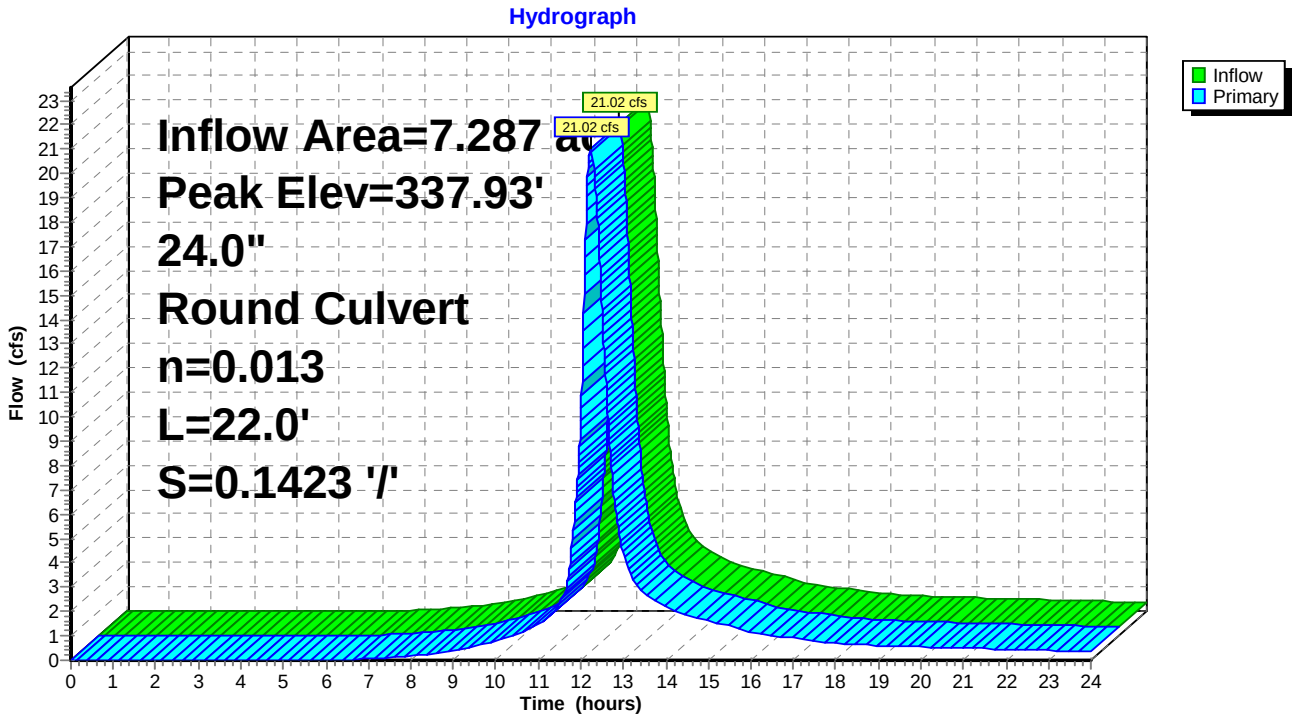
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.93' @ 12.23 hrs
Flood Elev= 339.50'

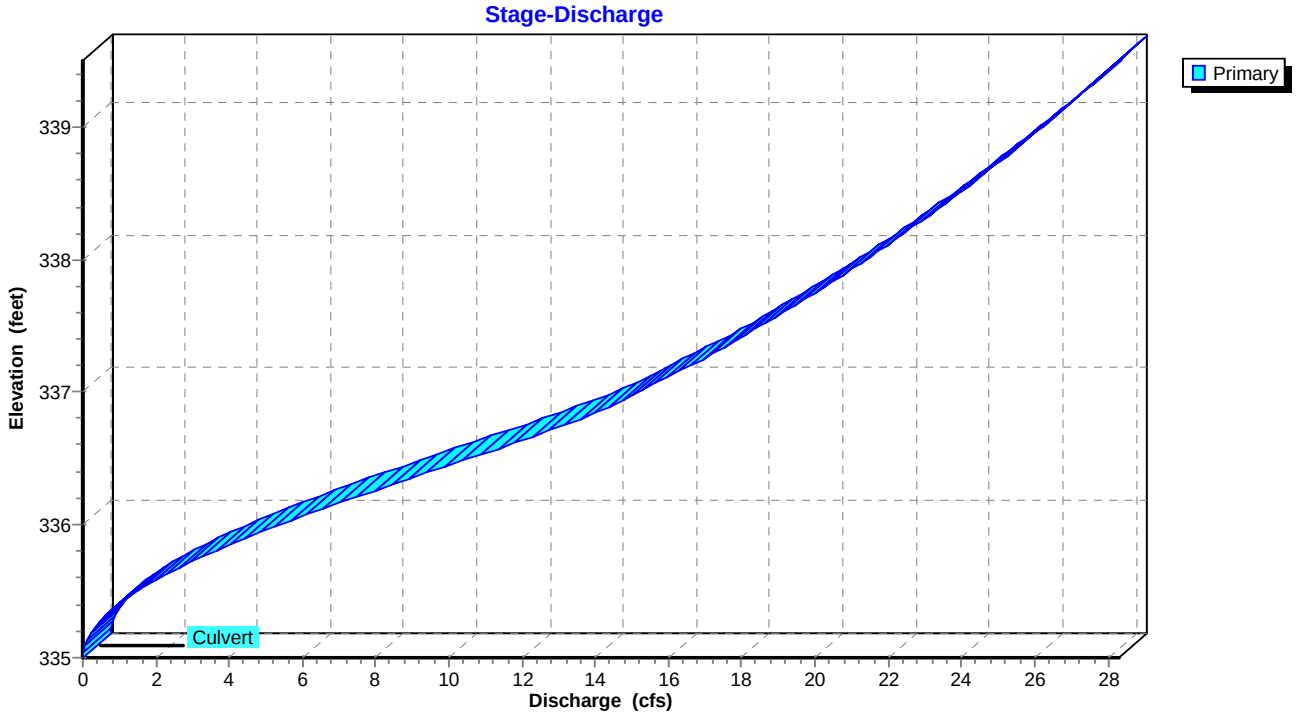
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.02 cfs @ 12.23 hrs HW=337.93' TW=333.81' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.02 cfs @ 6.69 fps)

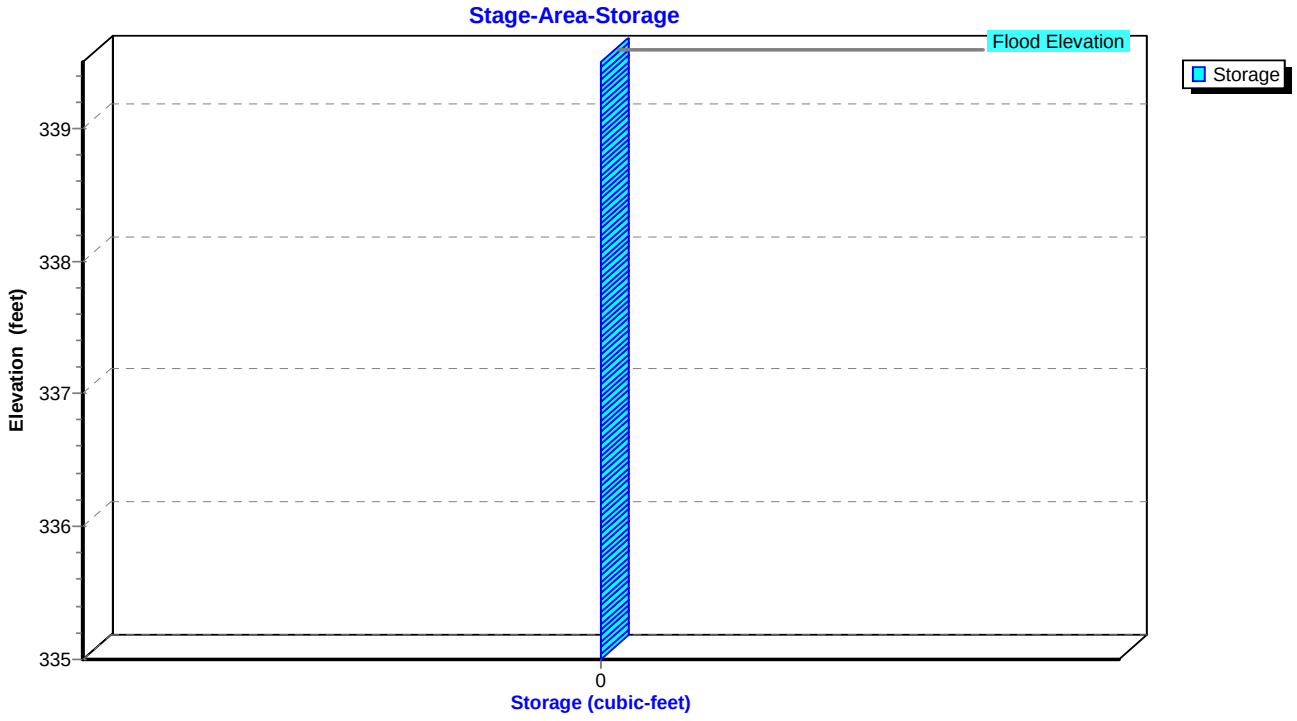
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.00	0.00
6.00	0.00	335.02	0.00
6.50	0.01	335.05	0.01
7.00	0.05	335.09	0.05
7.50	0.11	335.13	0.11
8.00	0.17	335.17	0.17
8.50	0.27	335.21	0.27
9.00	0.40	335.26	0.40
9.50	0.58	335.31	0.58
10.00	0.78	335.36	0.78
10.50	1.07	335.42	1.07
11.00	1.48	335.50	1.48
11.50	2.36	335.64	2.36
12.00	**9.89**	**336.44**	**9.89**
12.50	**14.42**	**336.89**	**14.42**
13.00	4.39	335.90	4.39
13.50	2.70	335.69	2.70
14.00	2.19	335.62	2.19
14.50	1.84	335.56	1.84
15.00	1.62	335.52	1.62
15.50	1.39	335.48	1.39
16.00	1.17	335.44	1.17
16.50	1.00	335.41	1.00
17.00	0.90	335.39	0.90
17.50	0.80	335.36	0.80
18.00	0.70	335.34	0.70
18.50	0.63	335.32	0.63
19.00	0.60	335.31	0.60
19.50	0.57	335.31	0.57
20.00	0.54	335.30	0.54
20.50	0.51	335.29	0.51
21.00	0.49	335.28	0.49
21.50	0.47	335.28	0.47
22.00	0.45	335.27	0.45
22.50	0.43	335.26	0.43
23.00	0.40	335.26	0.40
23.50	0.38	335.25	0.38
24.00	0.36	335.24	0.36

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

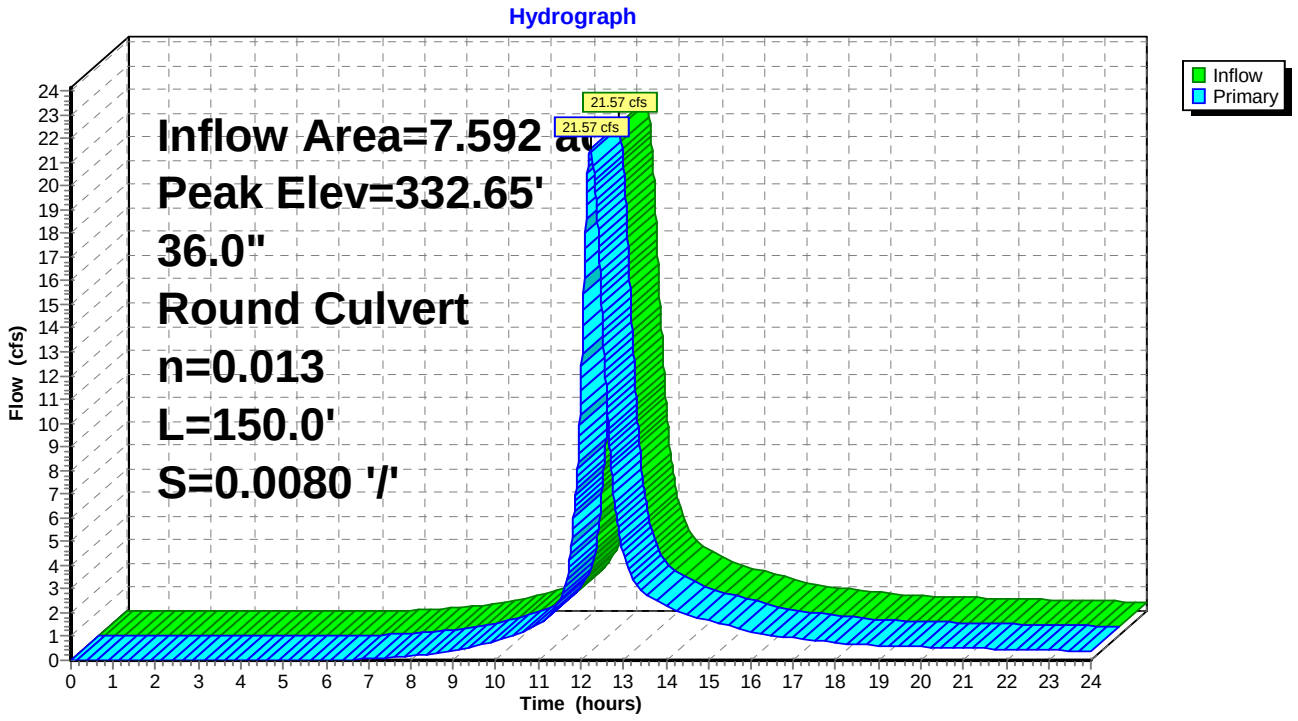
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 3.96" for 25-Year event
Inflow = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af
Outflow = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af, Atten= 0%, Lag= 0.0 min
Primary = 21.57 cfs @ 12.23 hrs, Volume= 2.504 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.65' @ 12.22 hrs
Flood Elev= 335.00'

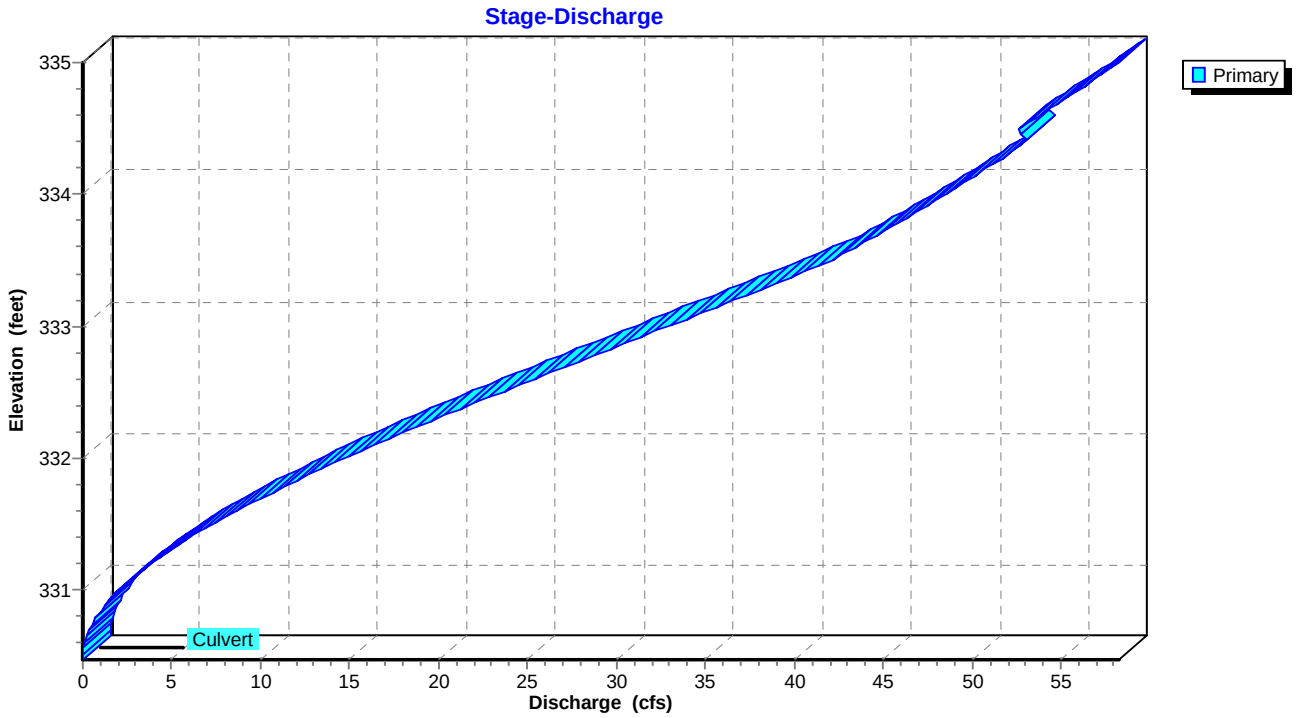
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.63 cfs @ 12.23 hrs HW=332.65' TW=331.47' (Dynamic Tailwater)
1=Culvert (Outlet Controls 21.63 cfs @ 5.50 fps)

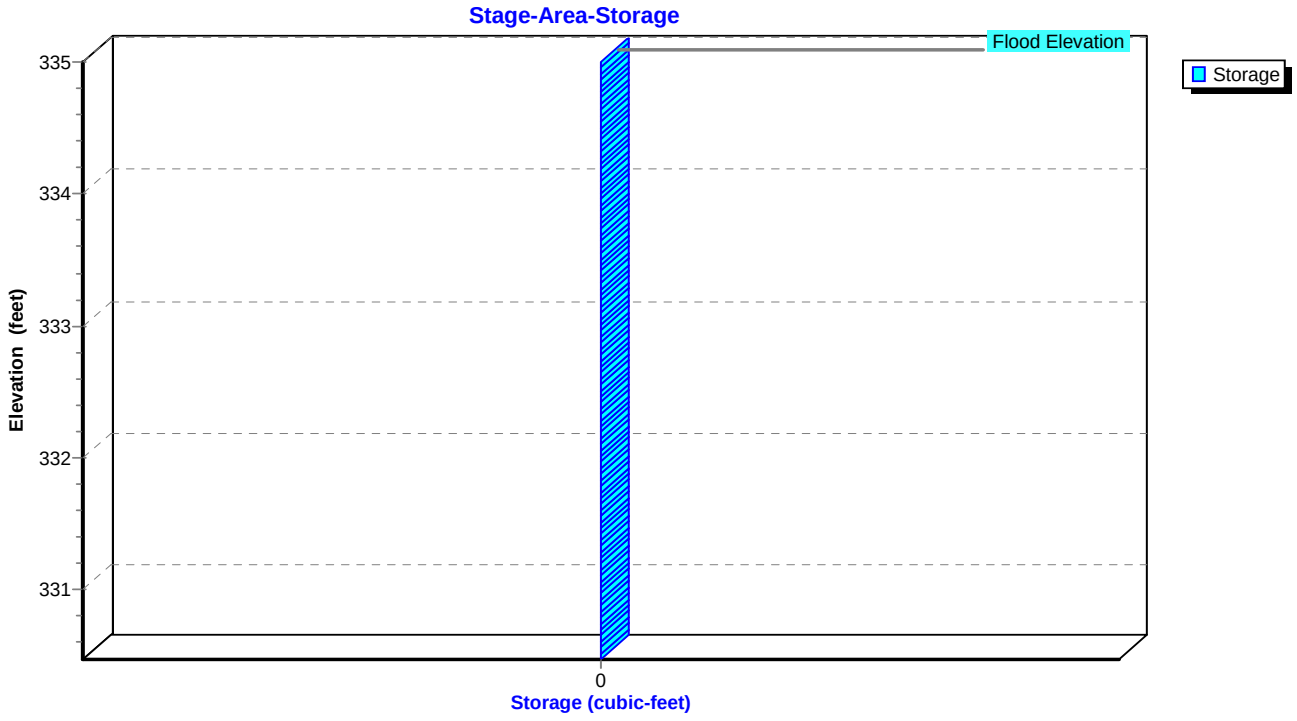
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.47	0.00
6.00	0.00	330.49	0.00
6.50	0.01	330.52	0.01
7.00	0.05	330.56	0.05
7.50	0.11	330.60	0.11
8.00	0.18	330.63	0.18
8.50	0.28	330.67	0.28
9.00	0.42	330.71	0.42
9.50	0.60	330.76	0.60
10.00	0.81	330.80	0.81
10.50	1.11	330.86	1.11
11.00	1.54	330.93	1.54
11.50	2.48	331.05	2.48
12.00	**11.35**	**331.85**	**11.35**
12.50	**14.62**	**332.11**	**14.62**
13.00	4.50	331.27	4.50
13.50	2.80	331.09	2.80
14.00	2.27	331.03	2.27
14.50	1.91	330.98	1.91
15.00	1.68	330.95	1.68
15.50	1.44	330.91	1.44
16.00	1.21	330.88	1.21
16.50	1.04	330.85	1.04
17.00	0.93	330.83	0.93
17.50	0.83	330.81	0.83
18.00	0.73	330.79	0.73
18.50	0.66	330.77	0.66
19.00	0.62	330.76	0.62
19.50	0.59	330.76	0.59
20.00	0.56	330.75	0.56
20.50	0.54	330.74	0.54
21.00	0.51	330.74	0.51
21.50	0.49	330.73	0.49
22.00	0.47	330.73	0.47
22.50	0.44	330.72	0.44
23.00	0.42	330.71	0.42
23.50	0.40	330.71	0.40
24.00	0.37	330.70	0.37

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

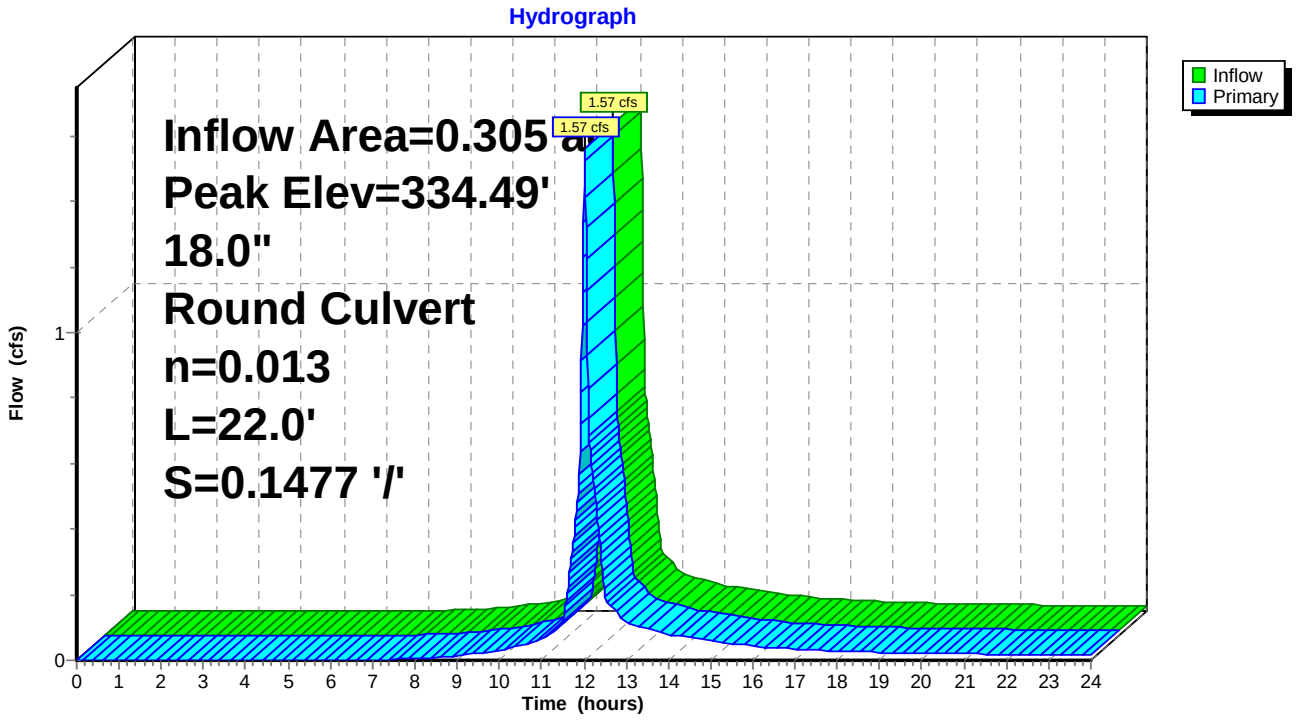
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 3.68" for 25-Year event
Inflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.49' @ 12.02 hrs
Flood Elev= 336.50'

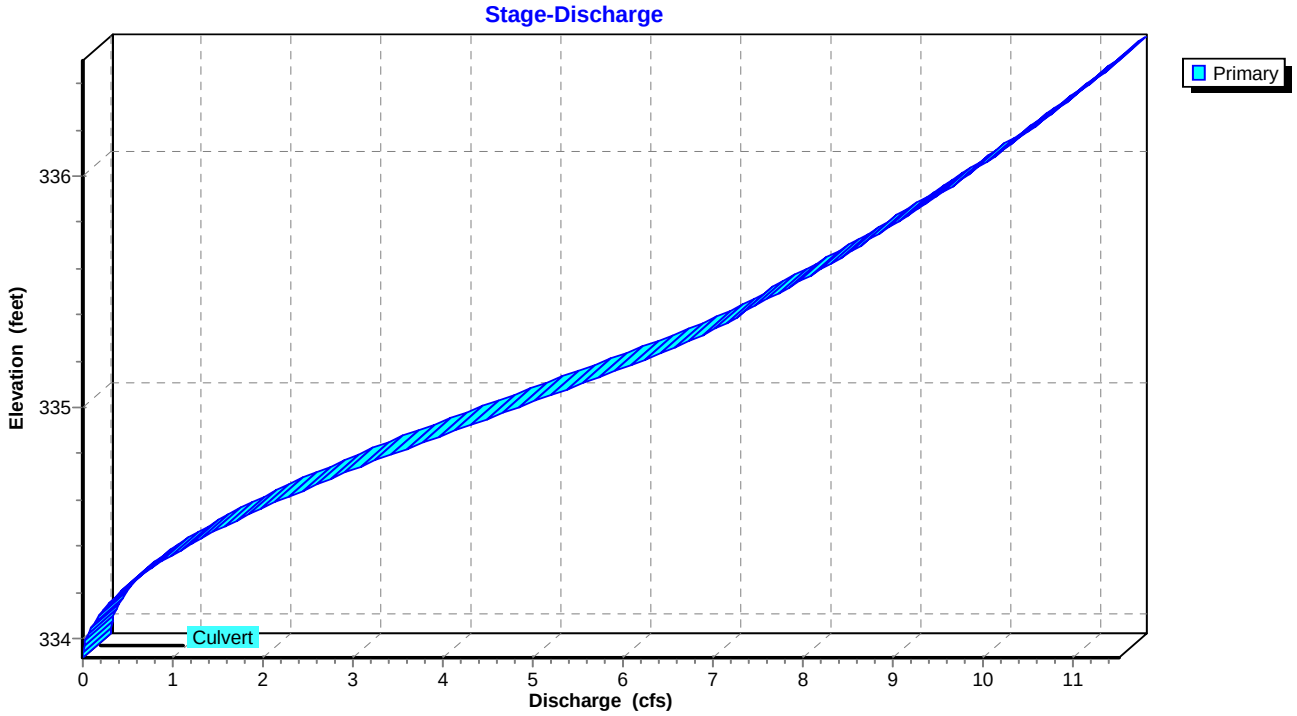
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.56 cfs @ 12.02 hrs HW=334.48' TW=331.92' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.56 cfs @ 2.56 fps)

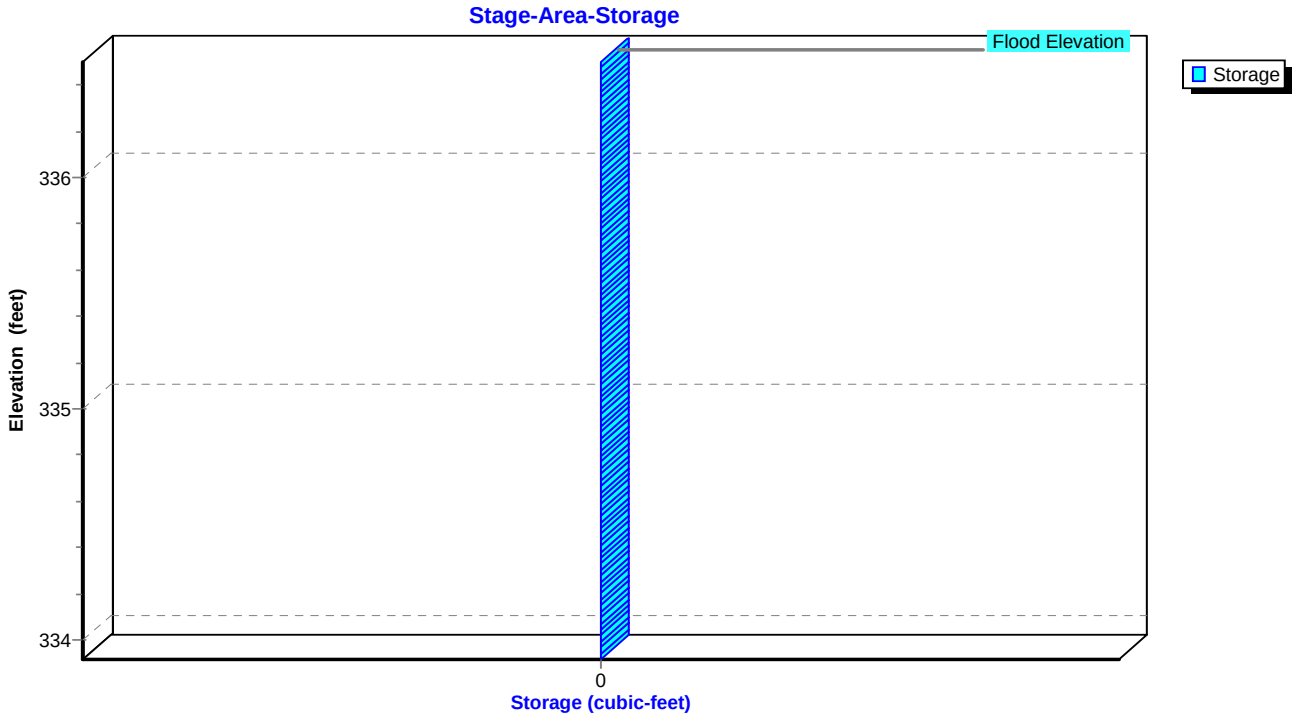
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.93	0.00
7.50	0.00	333.94	0.00
8.00	0.00	333.95	0.00
8.50	0.01	333.96	0.01
9.00	0.01	333.97	0.01
9.50	0.02	333.98	0.02
10.00	0.03	333.99	0.03
10.50	0.04	334.01	0.04
11.00	0.06	334.03	0.06
11.50	0.12	334.07	0.12
12.00	**1.45**	**334.46**	**1.45**
12.50	**0.20**	**334.11**	**0.20**
13.00	0.12	334.07	0.12
13.50	0.10	334.05	0.10
14.00	0.08	334.04	0.08
14.50	0.07	334.03	0.07
15.00	0.06	334.03	0.06
15.50	0.05	334.02	0.05
16.00	0.04	334.01	0.04
16.50	0.04	334.00	0.04
17.00	0.03	334.00	0.03
17.50	0.03	333.99	0.03
18.00	0.03	333.99	0.03
18.50	0.02	333.99	0.02
19.00	0.02	333.99	0.02
19.50	0.02	333.98	0.02
20.00	0.02	333.98	0.02
20.50	0.02	333.98	0.02
21.00	0.02	333.98	0.02
21.50	0.02	333.98	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.97	0.02
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

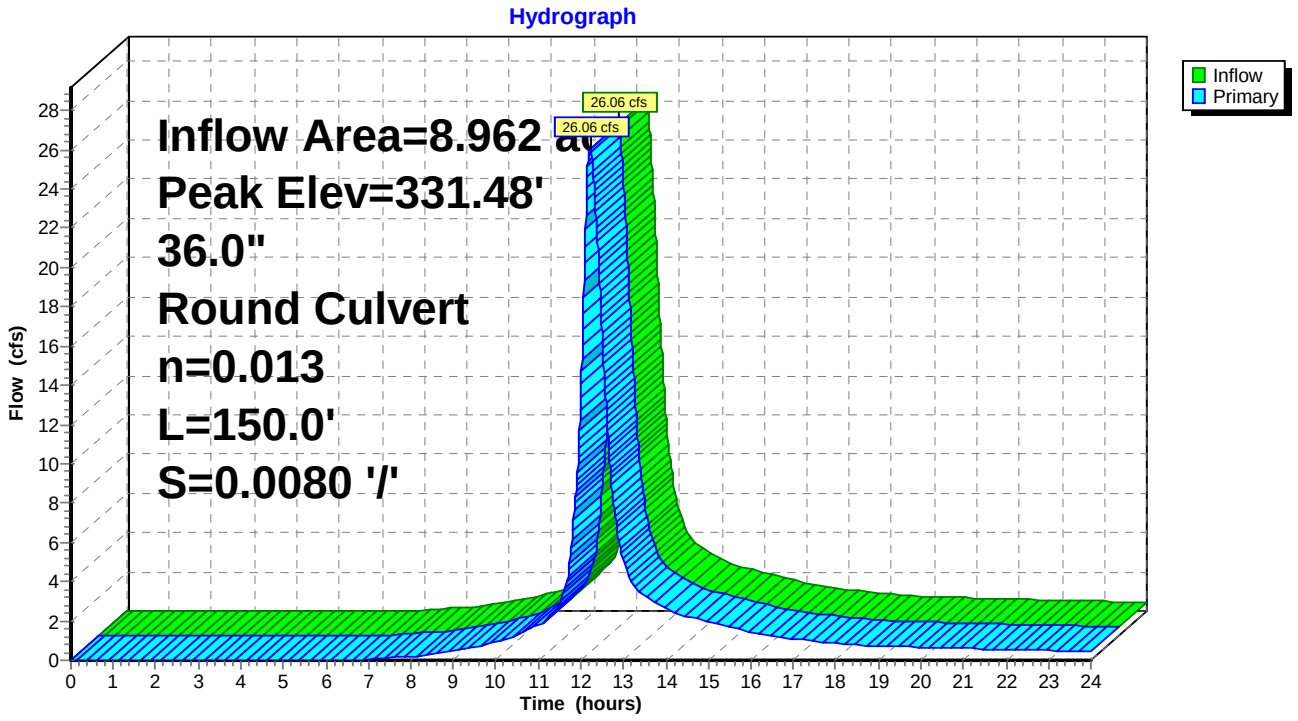
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.91" for 25-Year event
Inflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af
Outflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af, Atten= 0%, Lag= 0.0 min
Primary = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.48' @ 12.20 hrs
Flood Elev= 337.00'

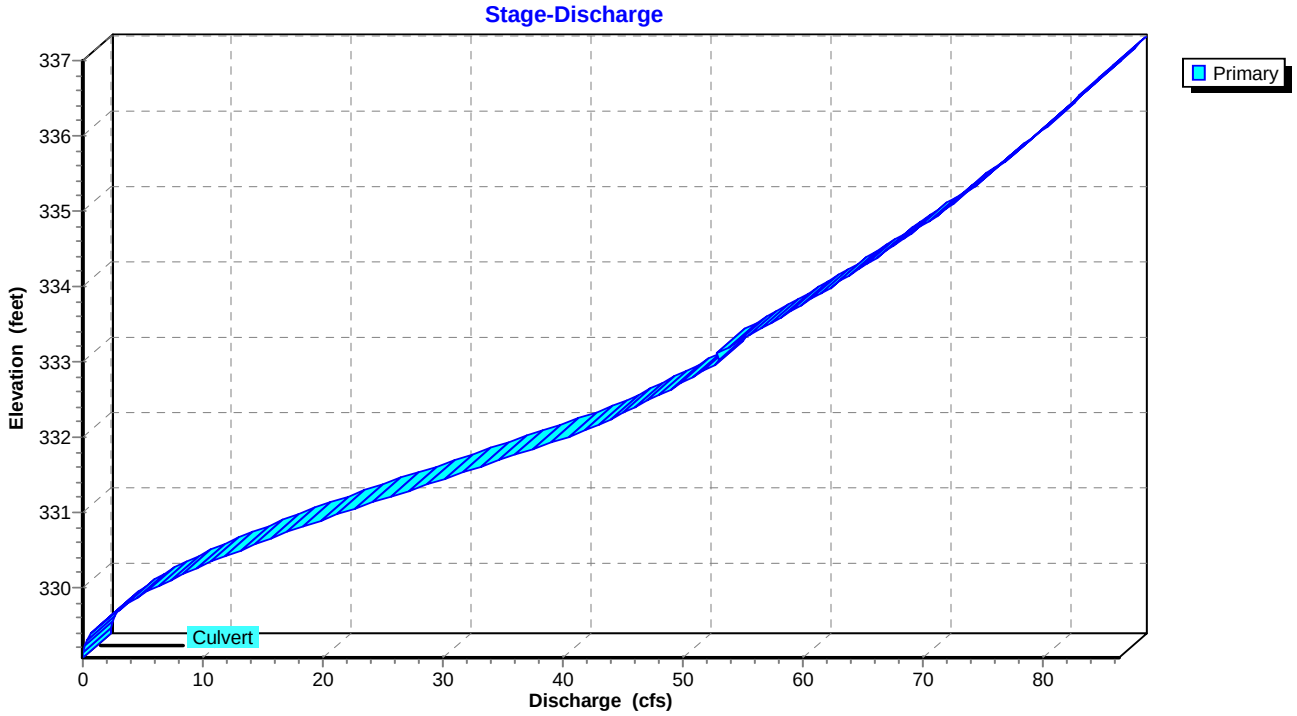
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.14 cfs @ 12.21 hrs HW=331.47' TW=330.16' (Dynamic Tailwater)
1=Culvert (Outlet Controls 26.14 cfs @ 5.89 fps)

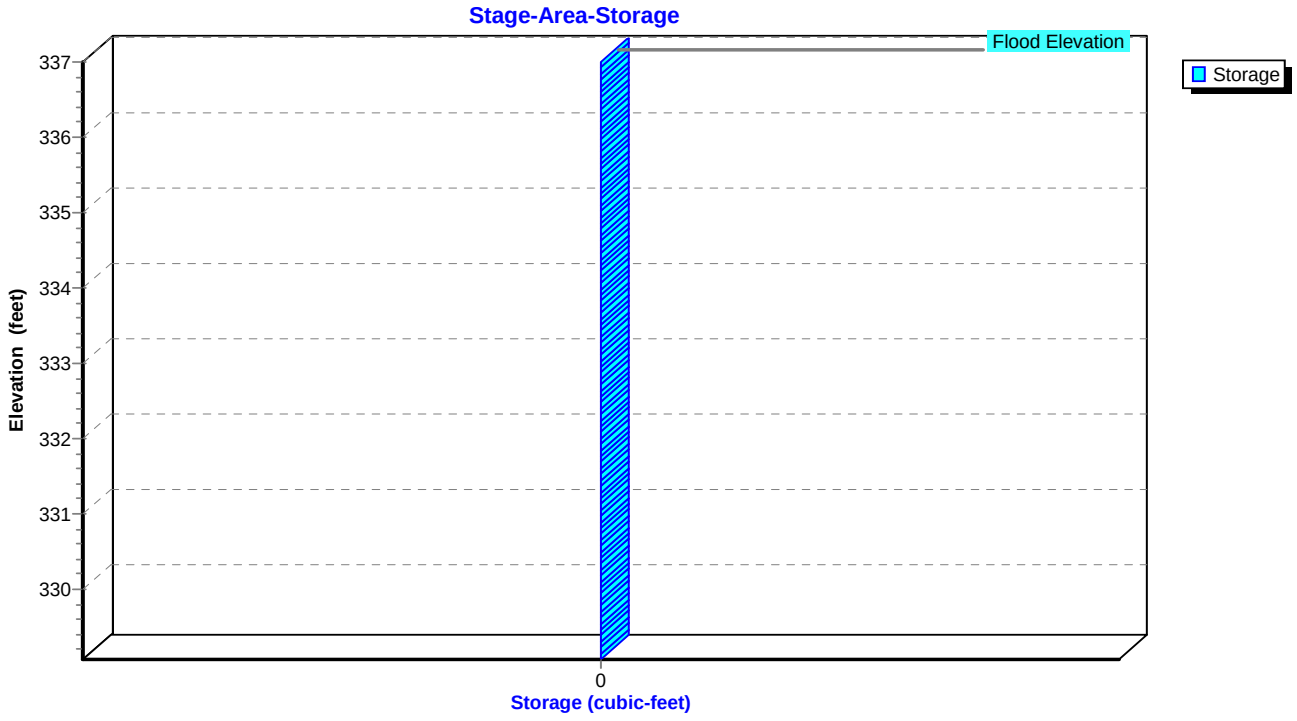
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.07	0.00
6.00	0.00	329.09	0.00
6.50	0.01	329.12	0.01
7.00	0.05	329.16	0.05
7.50	0.12	329.20	0.12
8.00	0.20	329.24	0.20
8.50	0.31	329.28	0.31
9.00	0.48	329.33	0.48
9.50	0.68	329.38	0.68
10.00	0.93	329.43	0.93
10.50	1.29	329.49	1.29
11.00	1.79	329.56	1.79
11.50	2.90	329.70	2.90
12.00	**13.42**	**330.60**	**13.42**
12.50	**16.69**	**330.82**	**16.69**
13.00	5.14	329.93	5.14
13.50	3.26	329.74	3.26
14.00	2.65	329.67	2.65
14.50	2.23	329.62	2.23
15.00	1.96	329.59	1.96
15.50	1.69	329.55	1.69
16.00	1.41	329.51	1.41
16.50	1.22	329.48	1.22
17.00	1.09	329.46	1.09
17.50	0.97	329.43	0.97
18.00	0.85	329.41	0.85
18.50	0.77	329.40	0.77
19.00	0.73	329.39	0.73
19.50	0.70	329.38	0.70
20.00	0.66	329.37	0.66
20.50	0.63	329.37	0.63
21.00	0.60	329.36	0.60
21.50	0.57	329.35	0.57
22.00	0.55	329.35	0.55
22.50	0.52	329.34	0.52
23.00	0.49	329.33	0.49
23.50	0.46	329.32	0.46
24.00	0.44	329.32	0.44

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

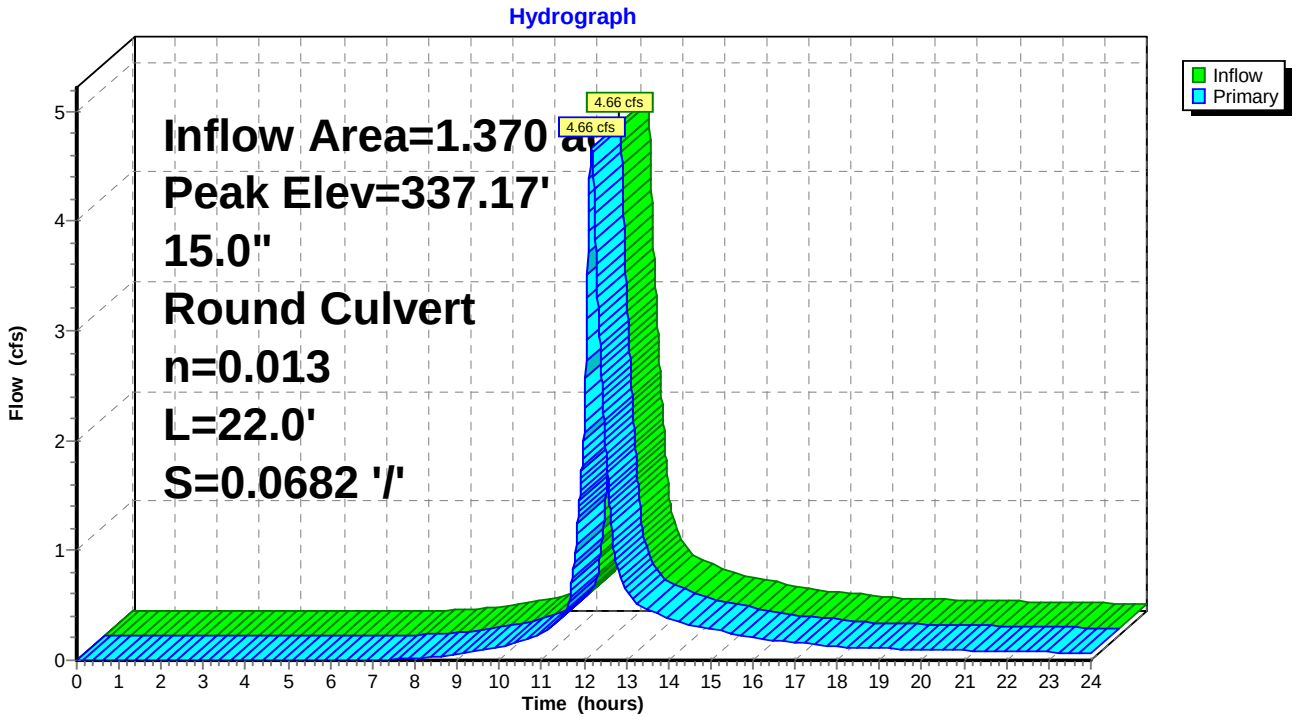
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af
Outflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af, Atten= 0%, Lag= 0.0 min
Primary = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.17' @ 12.18 hrs
Flood Elev= 338.50'

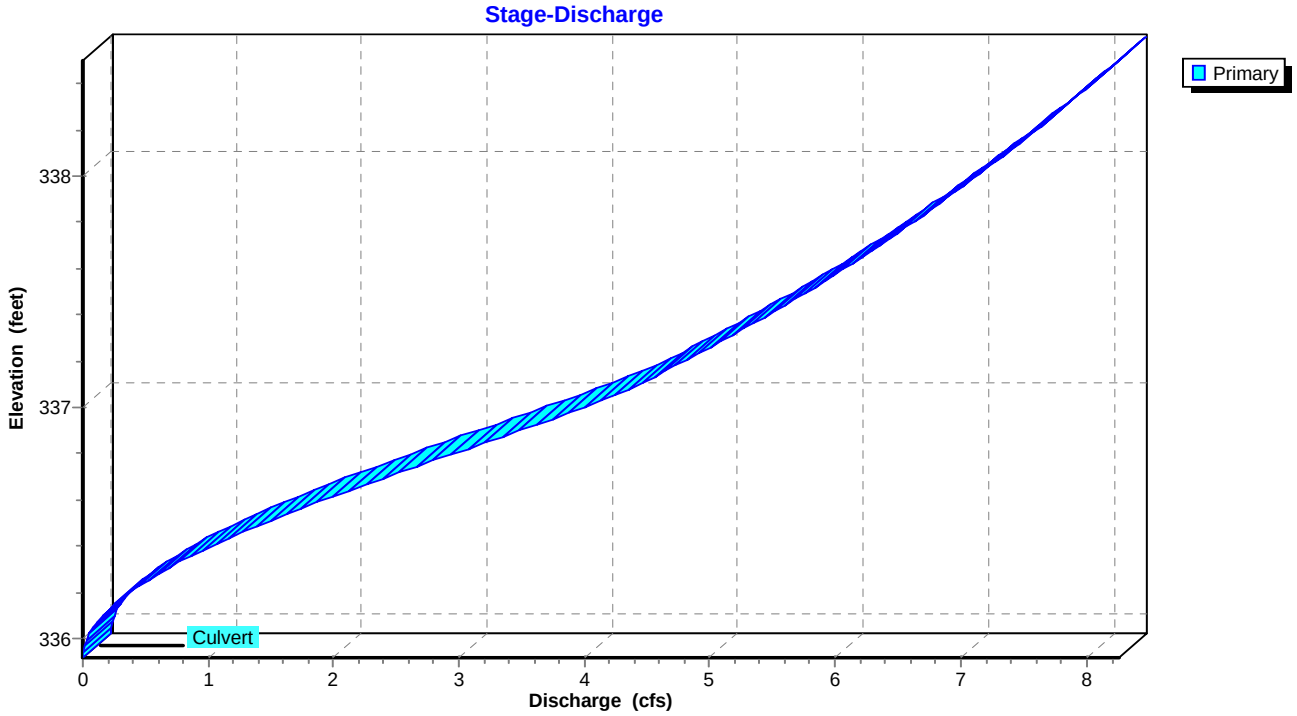
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.66 cfs @ 12.18 hrs HW=337.16' TW=331.47' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.66 cfs @ 3.80 fps)

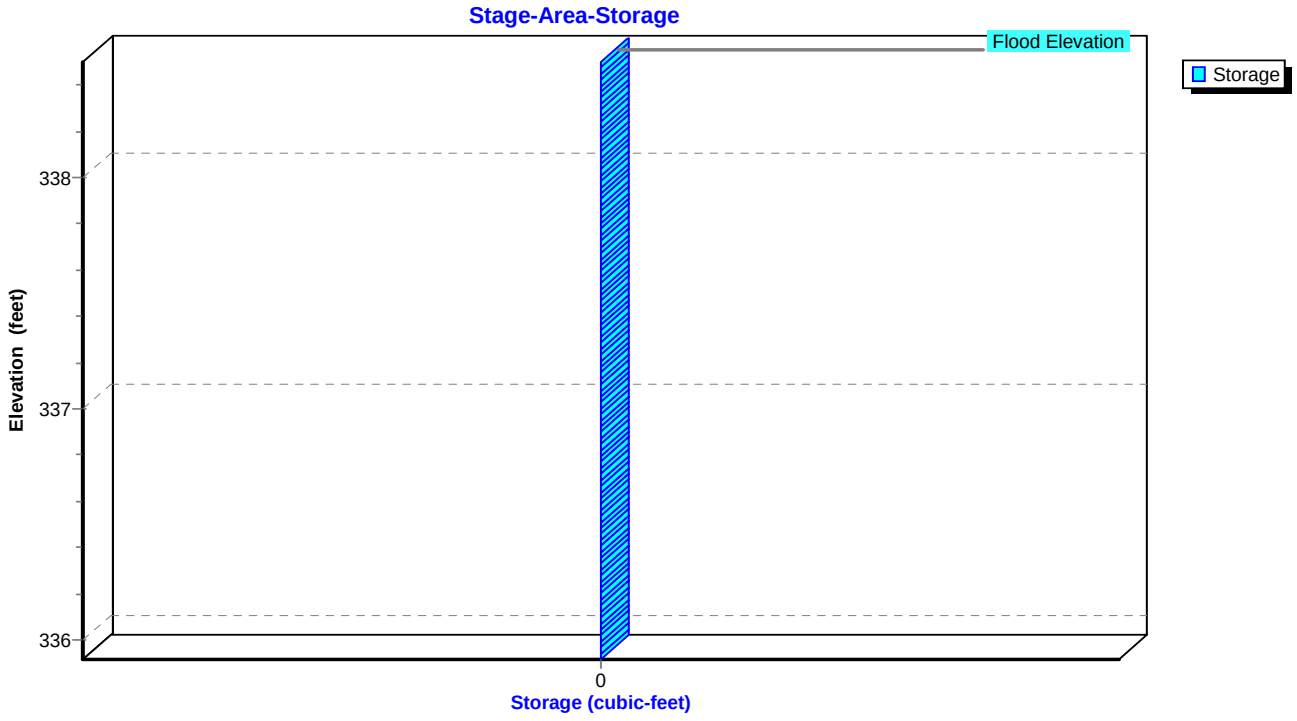
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.01	335.96	0.01
8.00	0.02	335.98	0.02
8.50	0.03	336.00	0.03
9.00	0.06	336.03	0.06
9.50	0.08	336.05	0.08
10.00	0.12	336.08	0.12
10.50	0.17	336.11	0.17
11.00	0.25	336.15	0.25
11.50	0.42	336.22	0.42
12.00	**2.08**	**336.63**	**2.08**
12.50	**2.07**	**336.63**	**2.07**
13.00	0.64	336.29	0.64
13.50	0.46	336.23	0.46
14.00	0.38	336.20	0.38
14.50	0.32	336.18	0.32
15.00	0.29	336.16	0.29
15.50	0.25	336.15	0.25
16.00	0.20	336.13	0.20
16.50	0.18	336.11	0.18
17.00	0.16	336.10	0.16
17.50	0.14	336.09	0.14
18.00	0.12	336.08	0.12
18.50	0.11	336.07	0.11
19.00	0.11	336.07	0.11
19.50	0.10	336.07	0.10
20.00	0.10	336.06	0.10
20.50	0.09	336.06	0.09
21.00	0.09	336.05	0.09
21.50	0.08	336.05	0.08
22.00	0.08	336.05	0.08
22.50	0.08	336.05	0.08
23.00	0.07	336.04	0.07
23.50	0.07	336.04	0.07
24.00	0.06	336.03	0.06

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

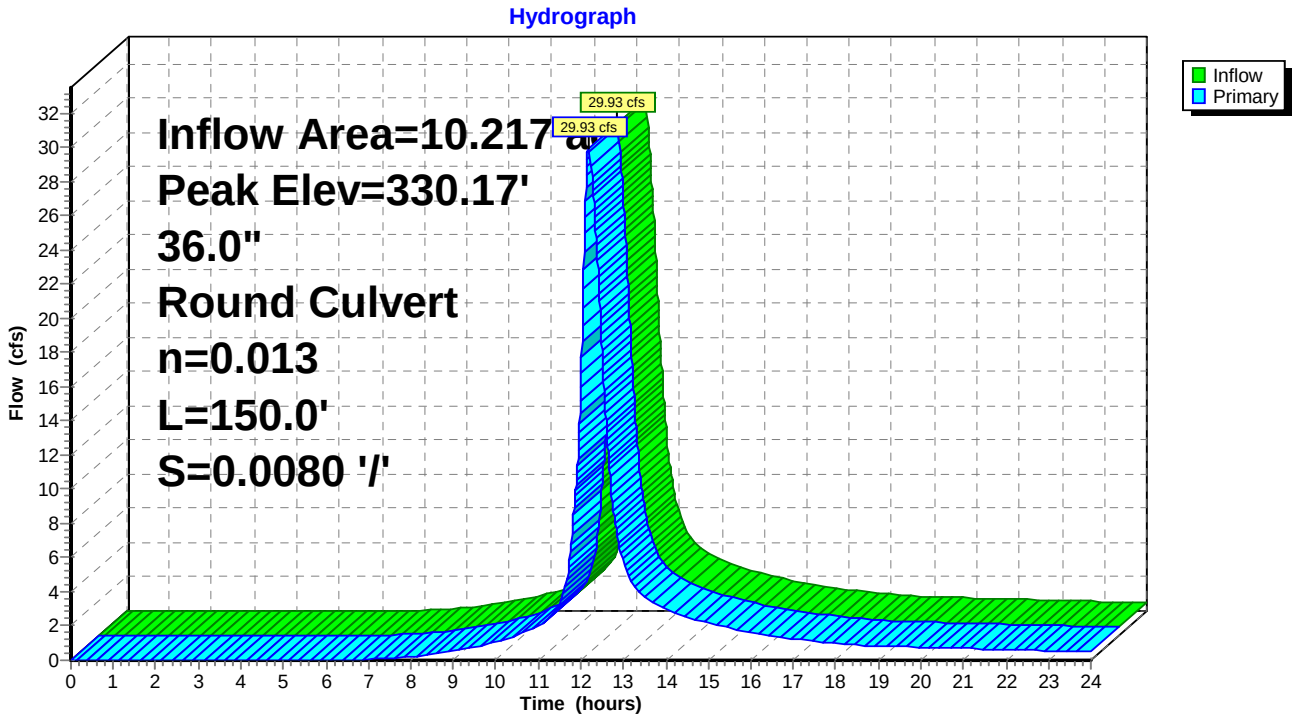
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af
Outflow = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af, Atten= 0%, Lag= 0.0 min
Primary = 29.93 cfs @ 12.18 hrs, Volume= 3.307 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.17' @ 12.19 hrs
Flood Elev= 335.75'

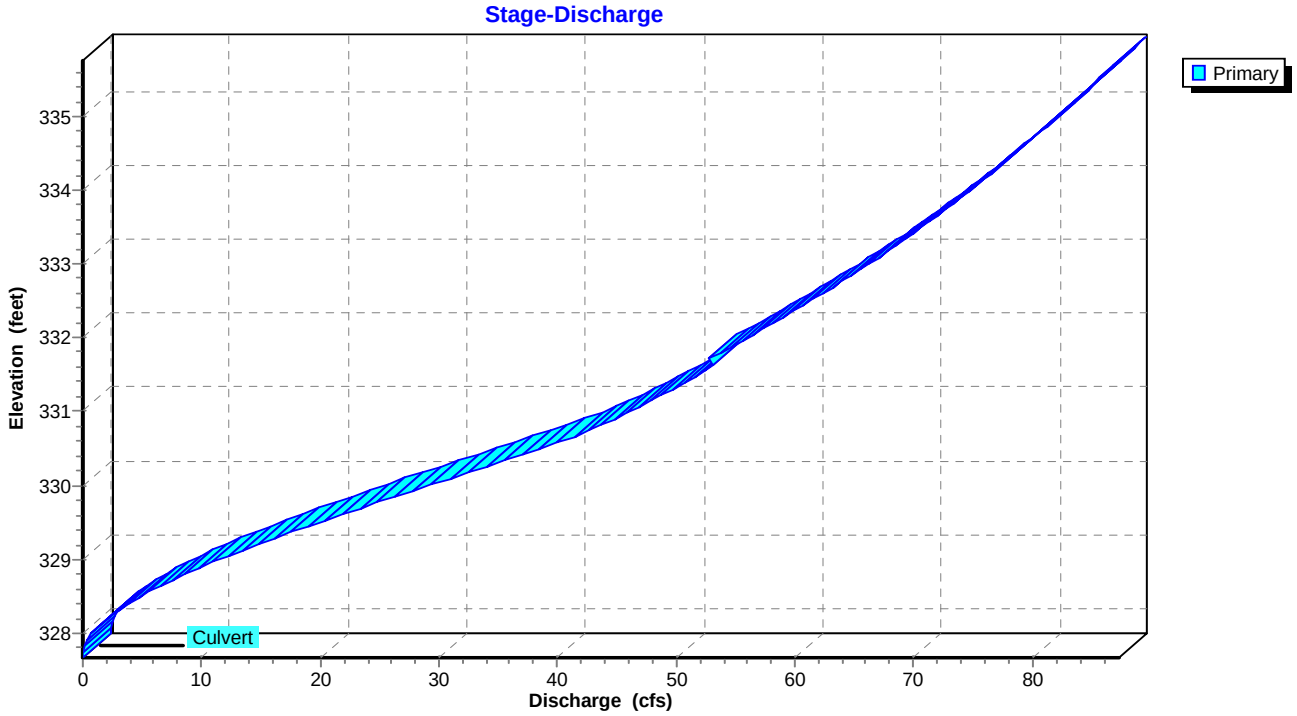
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.90 cfs @ 12.18 hrs HW=330.17' TW=328.62' (Dynamic Tailwater)
1=Culvert (Outlet Controls 29.90 cfs @ 6.43 fps)

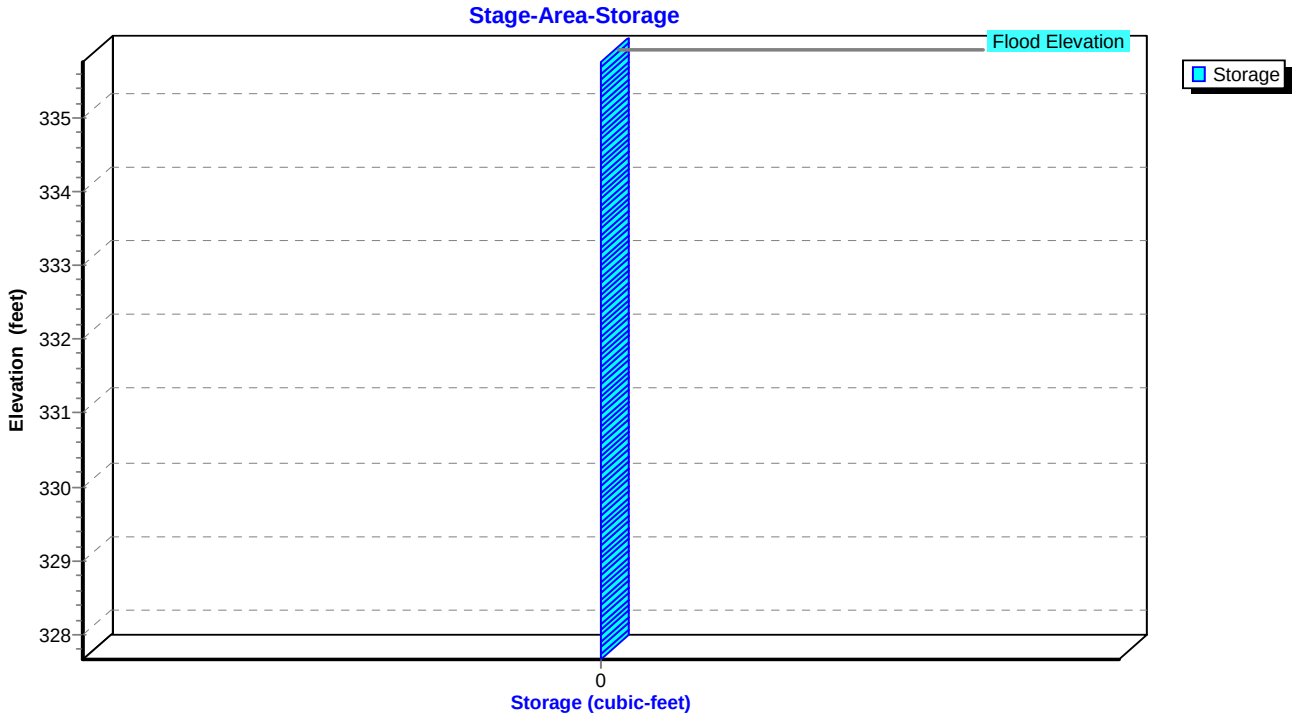
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.67	0.00
6.00	0.00	327.69	0.00
6.50	0.01	327.72	0.01
7.00	0.05	327.76	0.05
7.50	0.12	327.81	0.12
8.00	0.21	327.85	0.21
8.50	0.34	327.89	0.34
9.00	0.53	327.94	0.53
9.50	0.77	327.99	0.77
10.00	1.05	328.05	1.05
10.50	1.45	328.12	1.45
11.00	2.03	328.20	2.03
11.50	3.32	328.35	3.32
12.00	**15.98**	**329.34**	**15.98**
12.50	**18.13**	**329.46**	**18.13**
13.00	5.68	328.58	5.68
13.50	3.67	328.38	3.67
14.00	2.99	328.31	2.99
14.50	2.53	328.26	2.53
15.00	2.22	328.22	2.22
15.50	1.91	328.18	1.91
16.00	1.60	328.14	1.60
16.50	1.38	328.10	1.38
17.00	1.24	328.08	1.24
17.50	1.10	328.06	1.10
18.00	0.96	328.03	0.96
18.50	0.87	328.02	0.87
19.00	0.83	328.01	0.83
19.50	0.79	328.00	0.79
20.00	0.75	327.99	0.75
20.50	0.71	327.98	0.71
21.00	0.68	327.98	0.68
21.50	0.65	327.97	0.65
22.00	0.62	327.96	0.62
22.50	0.59	327.96	0.59
23.00	0.56	327.95	0.56
23.50	0.53	327.94	0.53
24.00	0.50	327.93	0.50

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

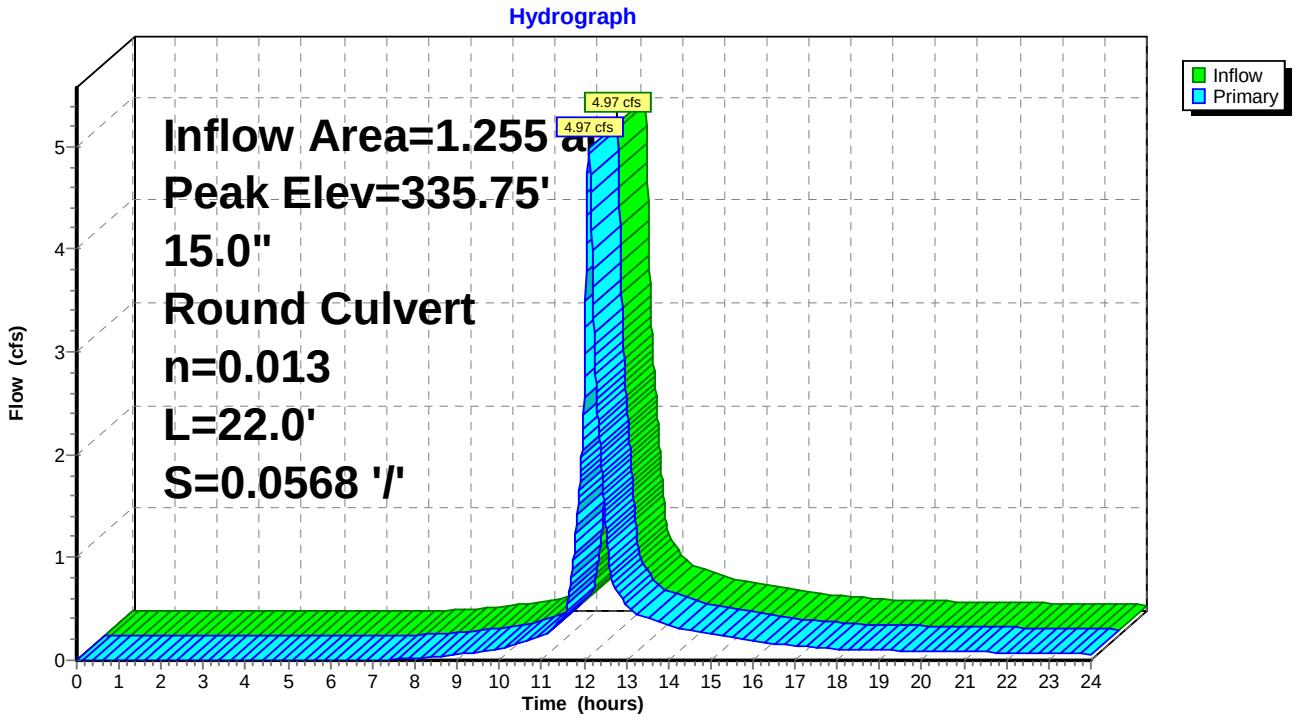
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af
Outflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.75' @ 12.12 hrs
Flood Elev= 337.00'

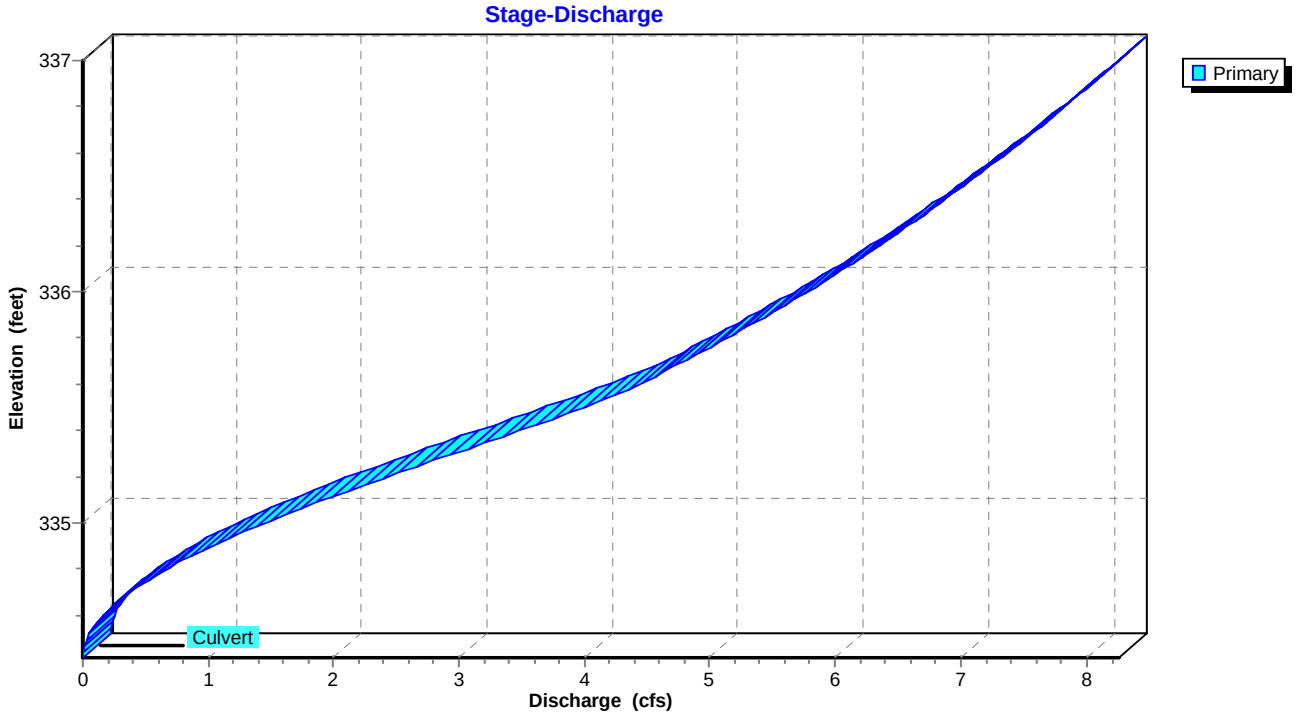
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.97 cfs @ 12.12 hrs HW=335.75' TW=330.02' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.97 cfs @ 4.05 fps)

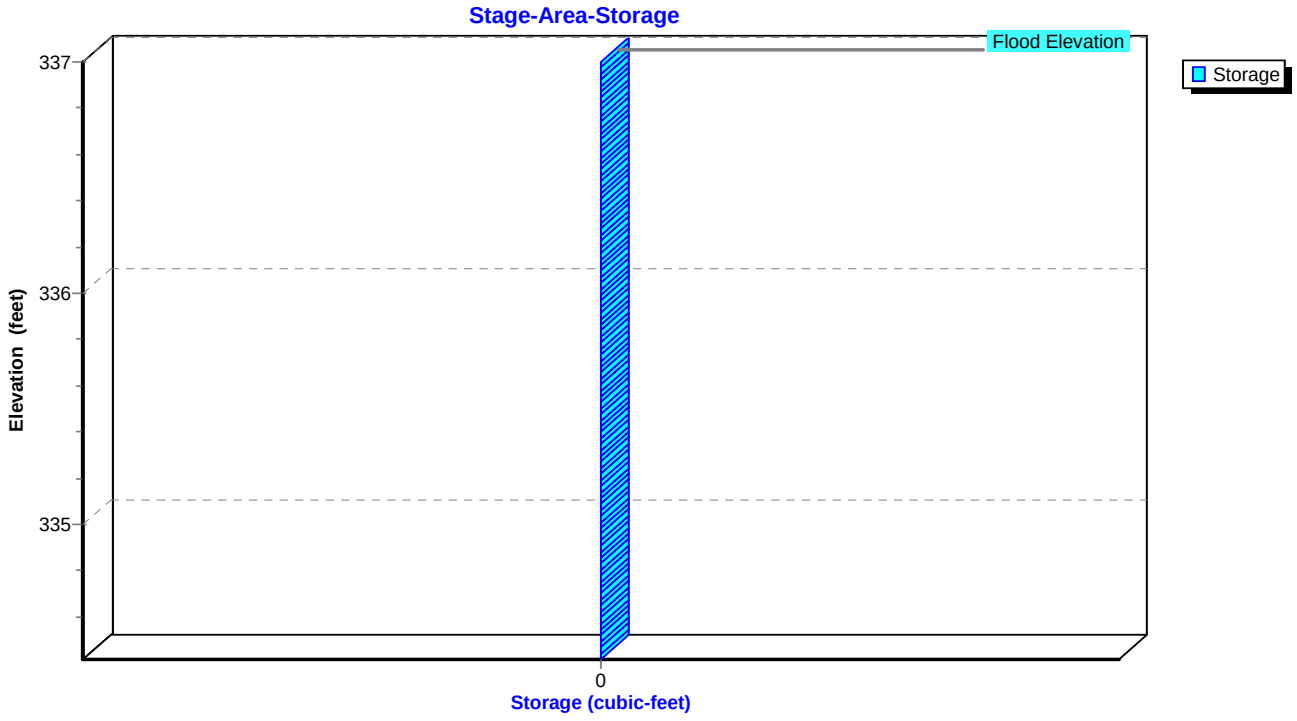
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.01	334.46	0.01
8.00	0.02	334.48	0.02
8.50	0.03	334.50	0.03
9.00	0.05	334.53	0.05
9.50	0.08	334.55	0.08
10.00	0.12	334.57	0.12
10.50	0.17	334.61	0.17
11.00	0.24	334.64	0.24
11.50	0.42	334.72	0.42
12.00	**2.56**	**335.23**	**2.56**
12.50	**1.44**	**335.00**	**1.44**
13.00	0.54	334.76	0.54
13.50	0.41	334.72	0.41
14.00	0.34	334.69	0.34
14.50	0.29	334.67	0.29
15.00	0.26	334.65	0.26
15.50	0.22	334.63	0.22
16.00	0.18	334.61	0.18
16.50	0.16	334.60	0.16
17.00	0.14	334.59	0.14
17.50	0.13	334.58	0.13
18.00	0.11	334.57	0.11
18.50	0.10	334.57	0.10
19.00	0.10	334.56	0.10
19.50	0.09	334.56	0.09
20.00	0.09	334.55	0.09
20.50	0.08	334.55	0.08
21.00	0.08	334.55	0.08
21.50	0.08	334.55	0.08
22.00	0.07	334.54	0.07
22.50	0.07	334.54	0.07
23.00	0.07	334.54	0.07
23.50	0.06	334.53	0.06
24.00	0.06	334.53	0.06

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

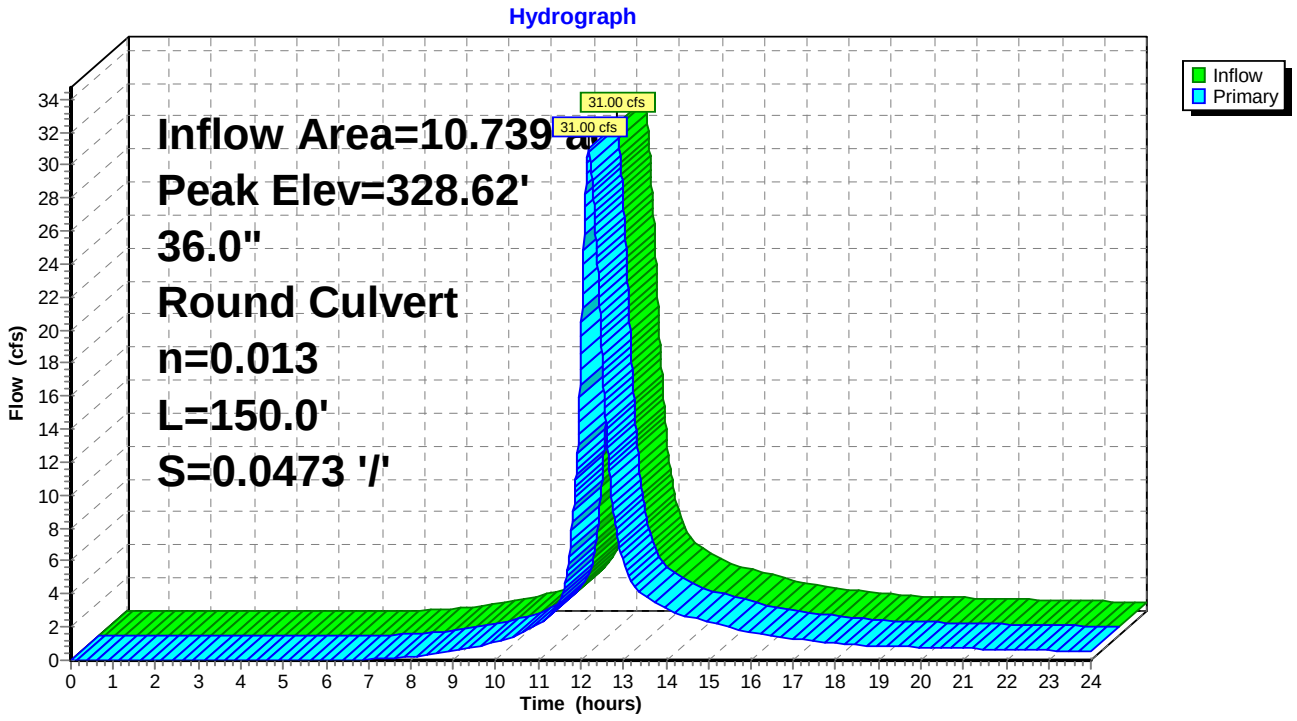
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af
Outflow = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af, Atten= 0%, Lag= 0.0 min
Primary = 31.00 cfs @ 12.18 hrs, Volume= 3.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 328.62' @ 12.18 hrs
Flood Elev= 332.25'

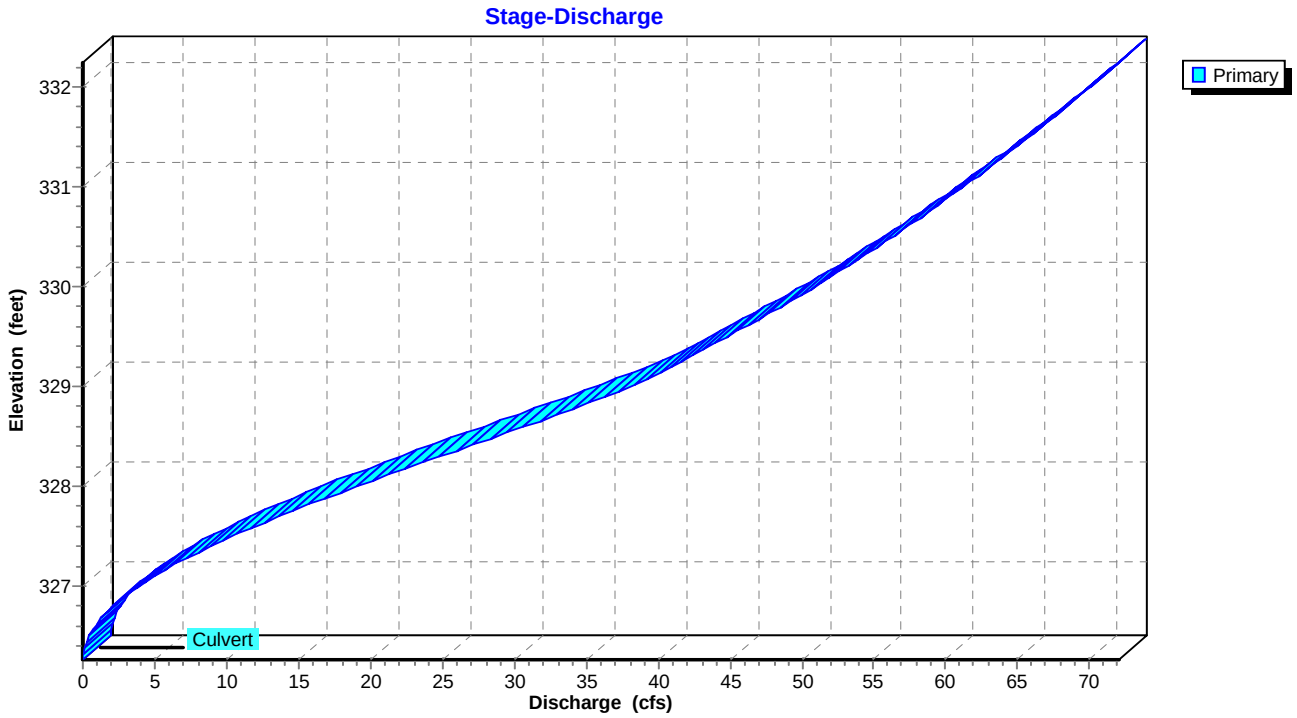
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=31.00 cfs @ 12.18 hrs HW=328.62' TW=321.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 31.00 cfs @ 5.22 fps)

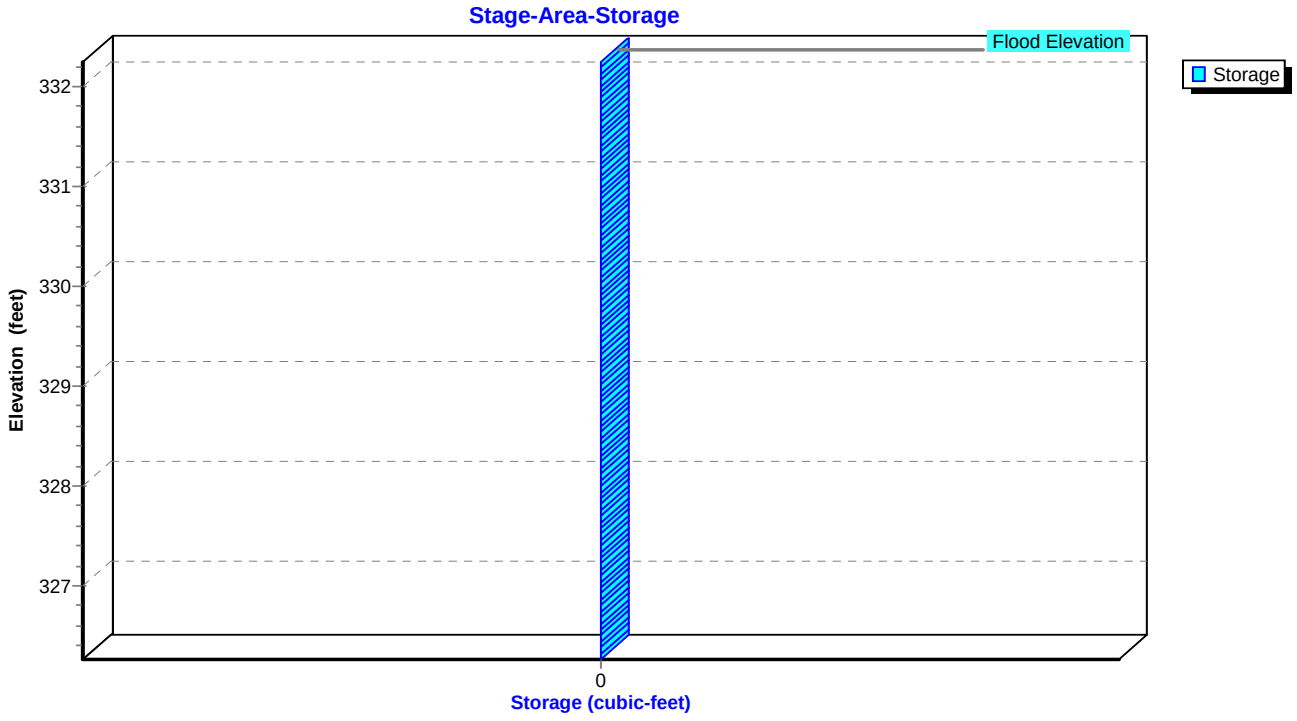
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.27	0.00
6.00	0.00	326.29	0.00
6.50	0.01	326.31	0.01
7.00	0.06	326.35	0.06
7.50	0.13	326.40	0.13
8.00	0.23	326.44	0.23
8.50	0.36	326.49	0.36
9.00	0.56	326.54	0.56
9.50	0.81	326.60	0.81
10.00	1.11	326.65	1.11
10.50	1.54	326.72	1.54
11.00	2.14	326.81	2.14
11.50	3.53	326.97	3.53
12.00	**18.57**	**327.98**	**18.57**
12.50	**18.49**	**327.98**	**18.49**
13.00	5.89	327.18	5.89
13.50	3.84	327.00	3.84
14.00	3.13	326.92	3.13
14.50	2.65	326.87	2.65
15.00	2.32	326.83	2.32
15.50	2.00	326.79	2.00
16.00	1.67	326.74	1.67
16.50	1.44	326.71	1.44
17.00	1.30	326.68	1.30
17.50	1.15	326.66	1.15
18.00	1.01	326.63	1.01
18.50	0.92	326.62	0.92
19.00	0.87	326.61	0.87
19.50	0.83	326.60	0.83
20.00	0.79	326.59	0.79
20.50	0.75	326.58	0.75
21.00	0.72	326.58	0.72
21.50	0.68	326.57	0.68
22.00	0.65	326.56	0.65
22.50	0.62	326.55	0.62
23.00	0.59	326.55	0.59
23.50	0.55	326.54	0.55
24.00	0.52	326.53	0.52

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

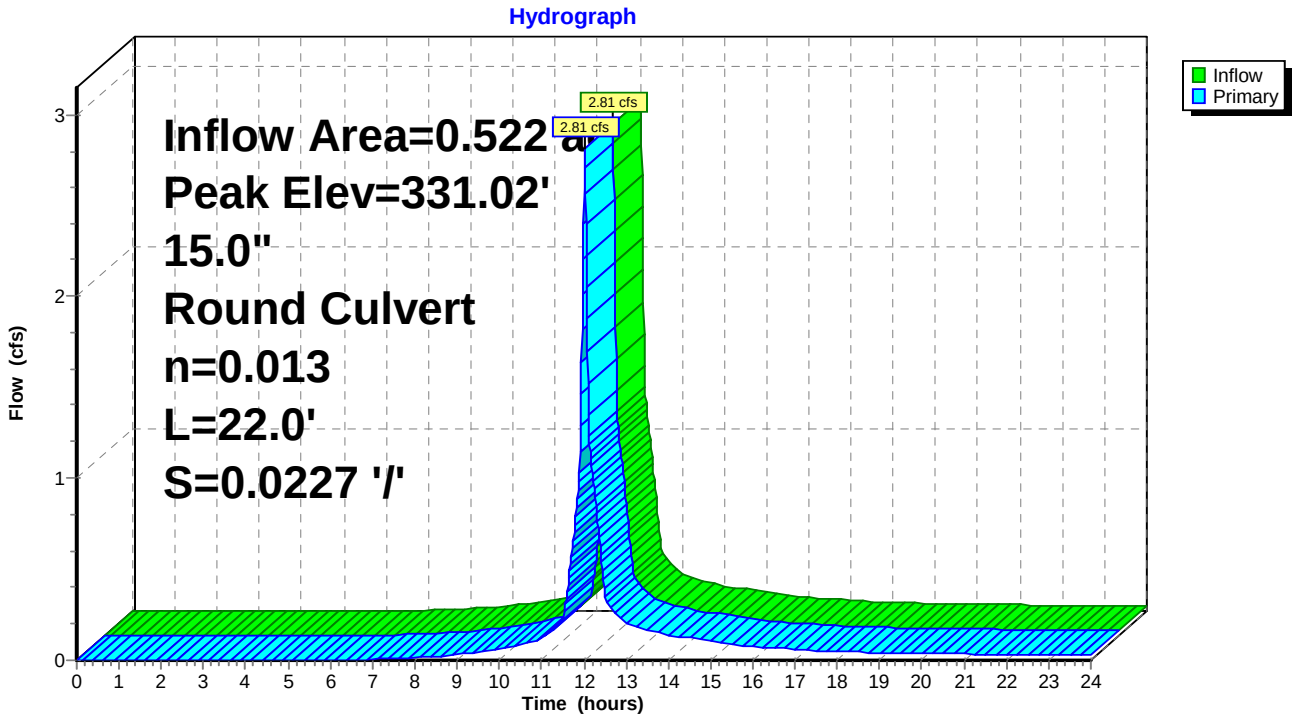
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af
Outflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af, Atten= 0%, Lag= 0.0 min
Primary = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.02' @ 12.02 hrs
Flood Elev= 332.80'

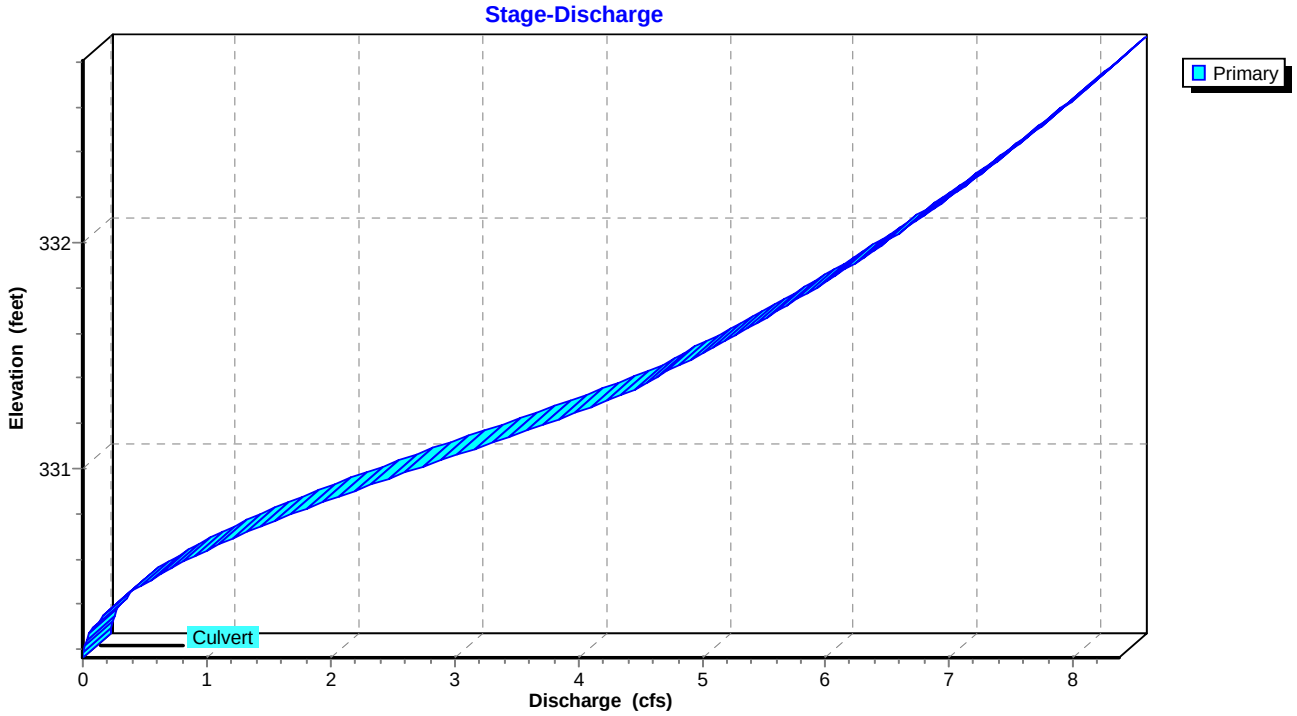
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.80 cfs @ 12.02 hrs HW=331.02' TW=328.07' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.80 cfs @ 3.14 fps)

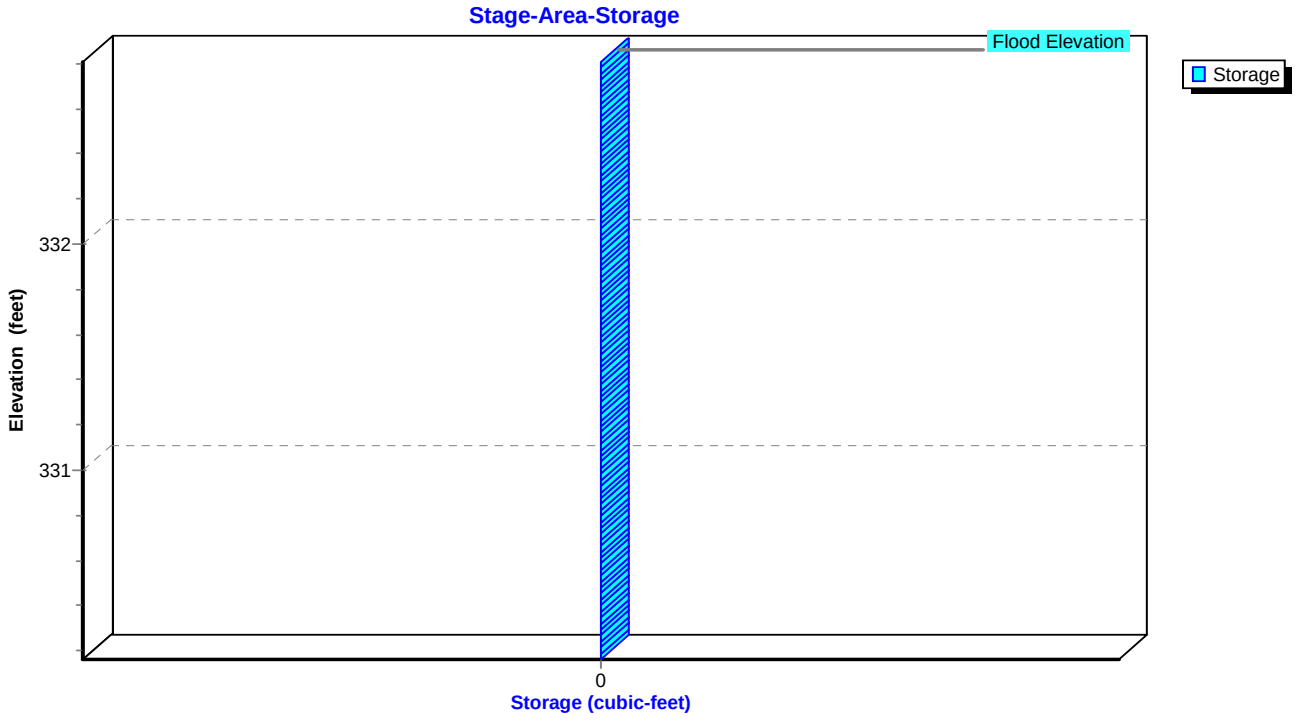
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.18	0.00
7.00	0.00	330.20	0.00
7.50	0.01	330.21	0.01
8.00	0.01	330.22	0.01
8.50	0.02	330.24	0.02
9.00	0.03	330.25	0.03
9.50	0.05	330.27	0.05
10.00	0.06	330.28	0.06
10.50	0.09	330.30	0.09
11.00	0.12	330.33	0.12
11.50	0.22	330.38	0.22
12.00	**2.59**	**330.98**	**2.59**
12.50	**0.36**	**330.45**	**0.36**
13.00	0.20	330.38	0.20
13.50	0.17	330.36	0.17
14.00	0.14	330.34	0.14
14.50	0.12	330.33	0.12
15.00	0.11	330.32	0.11
15.50	0.09	330.31	0.09
16.00	0.07	330.29	0.07
16.50	0.07	330.29	0.07
17.00	0.06	330.28	0.06
17.50	0.05	330.27	0.05
18.00	0.05	330.27	0.05
18.50	0.04	330.26	0.04
19.00	0.04	330.26	0.04
19.50	0.04	330.26	0.04
20.00	0.04	330.26	0.04
20.50	0.04	330.25	0.04
21.00	0.03	330.25	0.03
21.50	0.03	330.25	0.03
22.00	0.03	330.25	0.03
22.50	0.03	330.25	0.03
23.00	0.03	330.24	0.03
23.50	0.03	330.24	0.03
24.00	0.02	330.24	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

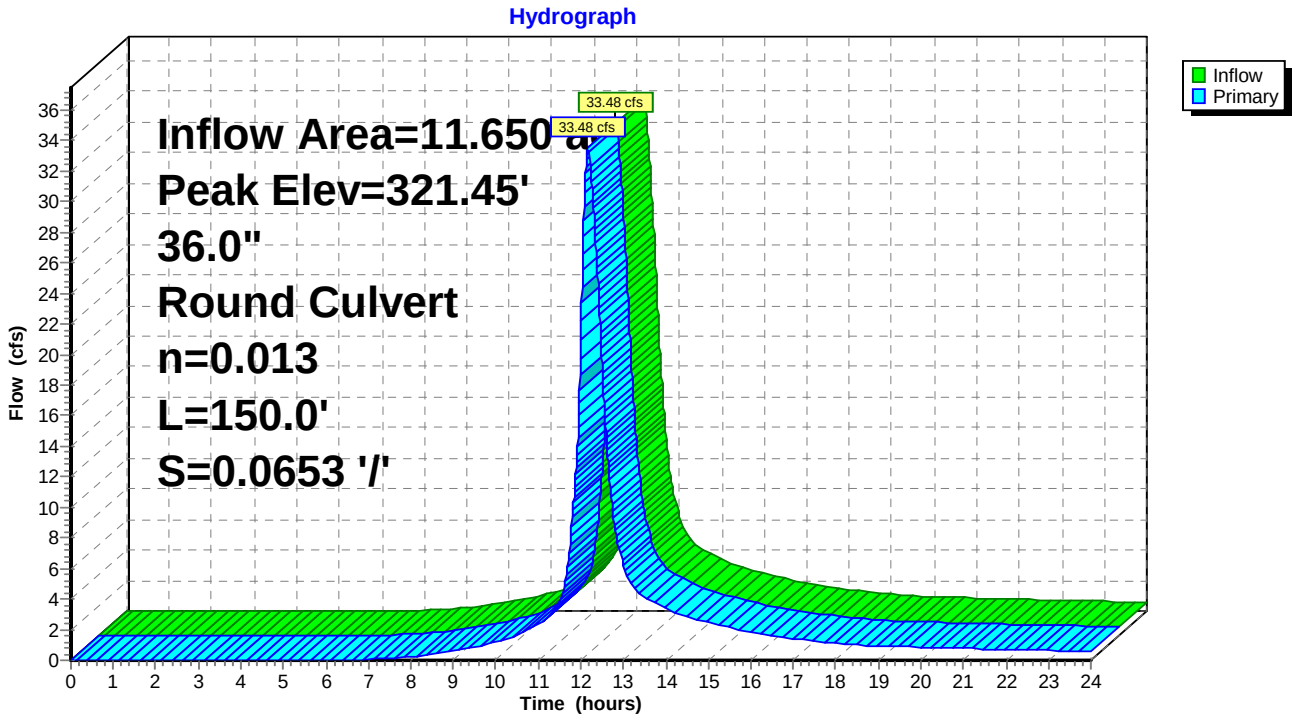
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 3.86" for 25-Year event
Inflow = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af
Outflow = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af, Atten= 0%, Lag= 0.0 min
Primary = 33.48 cfs @ 12.16 hrs, Volume= 3.748 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.45' @ 12.16 hrs
Flood Elev= 338.50'

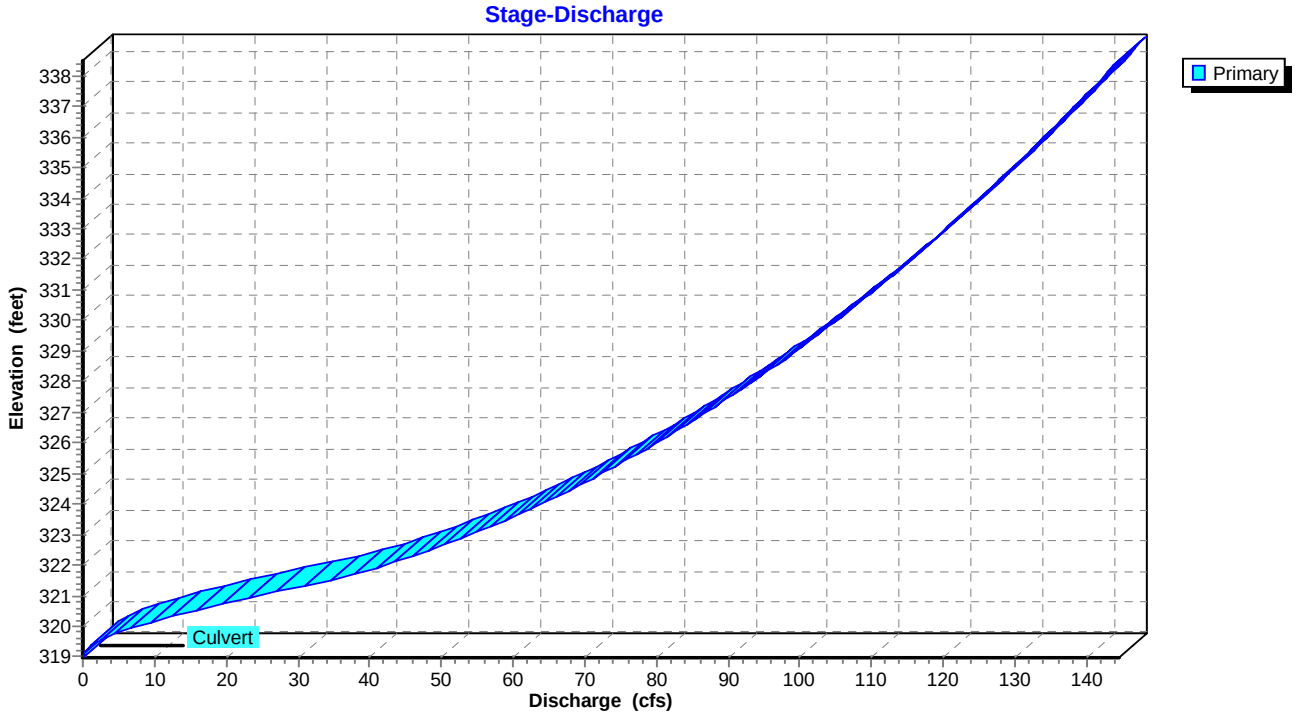
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=33.46 cfs @ 12.16 hrs HW=321.45' TW=311.52' (Dynamic Tailwater)
1=Culvert (Inlet Controls 33.46 cfs @ 5.36 fps)

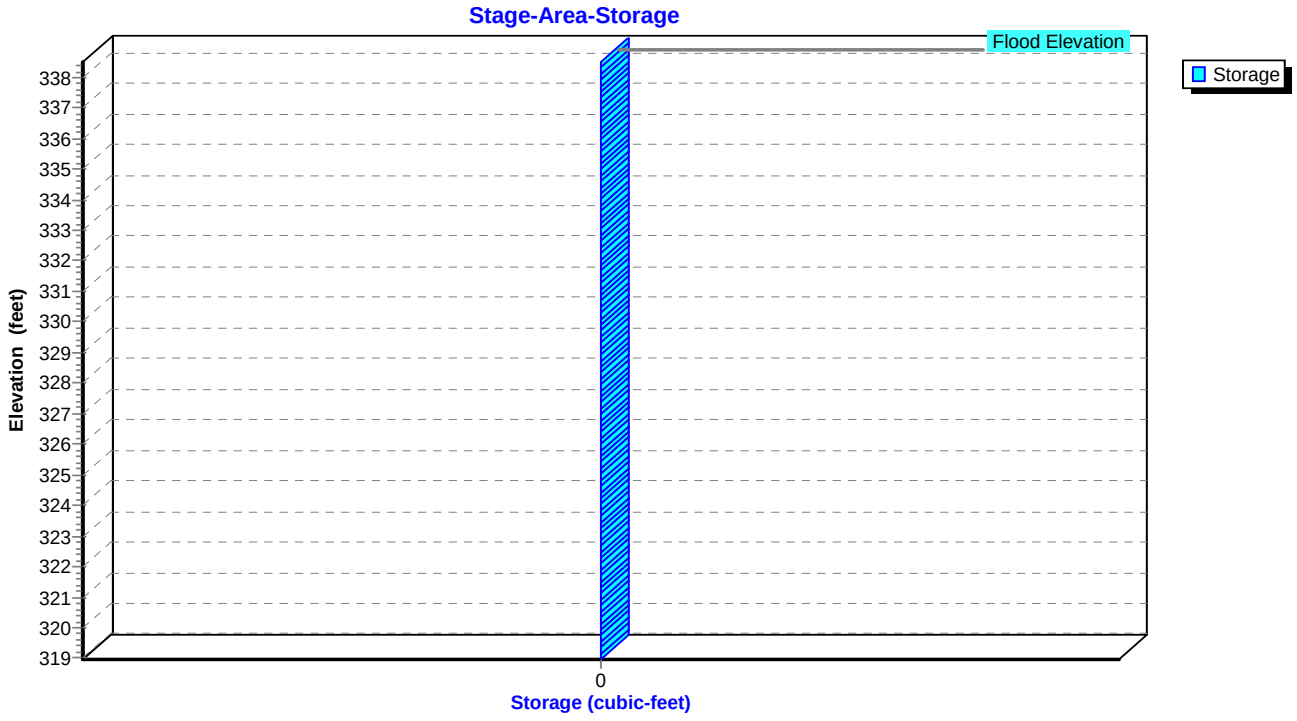
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.97	0.00
6.00	0.00	318.99	0.00
6.50	0.01	319.01	0.01
7.00	0.06	319.05	0.06
7.50	0.13	319.10	0.13
8.00	0.24	319.15	0.24
8.50	0.38	319.19	0.38
9.00	0.60	319.25	0.60
9.50	0.87	319.31	0.87
10.00	1.18	319.37	1.18
10.50	1.66	319.44	1.66
11.00	2.31	319.53	2.31
11.50	3.84	319.70	3.84
12.00	**20.97**	**320.81**	**20.97**
12.50	**19.35**	**320.72**	**19.35**
13.00	6.25	319.91	6.25
13.50	4.13	319.73	4.13
14.00	3.36	319.65	3.36
14.50	2.85	319.59	2.85
15.00	2.50	319.55	2.50
15.50	2.15	319.51	2.15
16.00	1.80	319.46	1.80
16.50	1.56	319.43	1.56
17.00	1.40	319.40	1.40
17.50	1.24	319.38	1.24
18.00	1.09	319.35	1.09
18.50	0.99	319.33	0.99
19.00	0.94	319.32	0.94
19.50	0.90	319.31	0.90
20.00	0.85	319.30	0.85
20.50	0.81	319.30	0.81
21.00	0.77	319.29	0.77
21.50	0.74	319.28	0.74
22.00	0.70	319.27	0.70
22.50	0.67	319.27	0.67
23.00	0.63	319.26	0.63
23.50	0.60	319.25	0.60
24.00	0.56	319.24	0.56

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

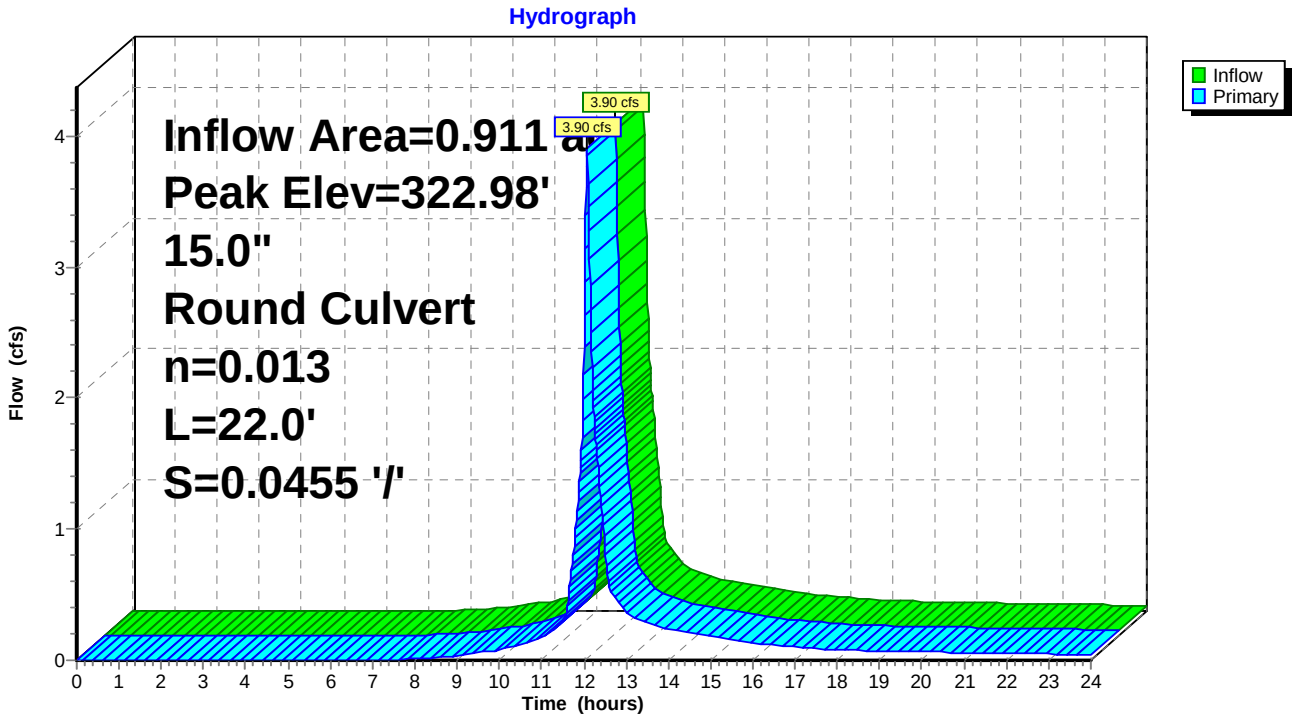
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 3.58" for 25-Year event
Inflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af
Outflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.98' @ 12.08 hrs
Flood Elev= 324.50'

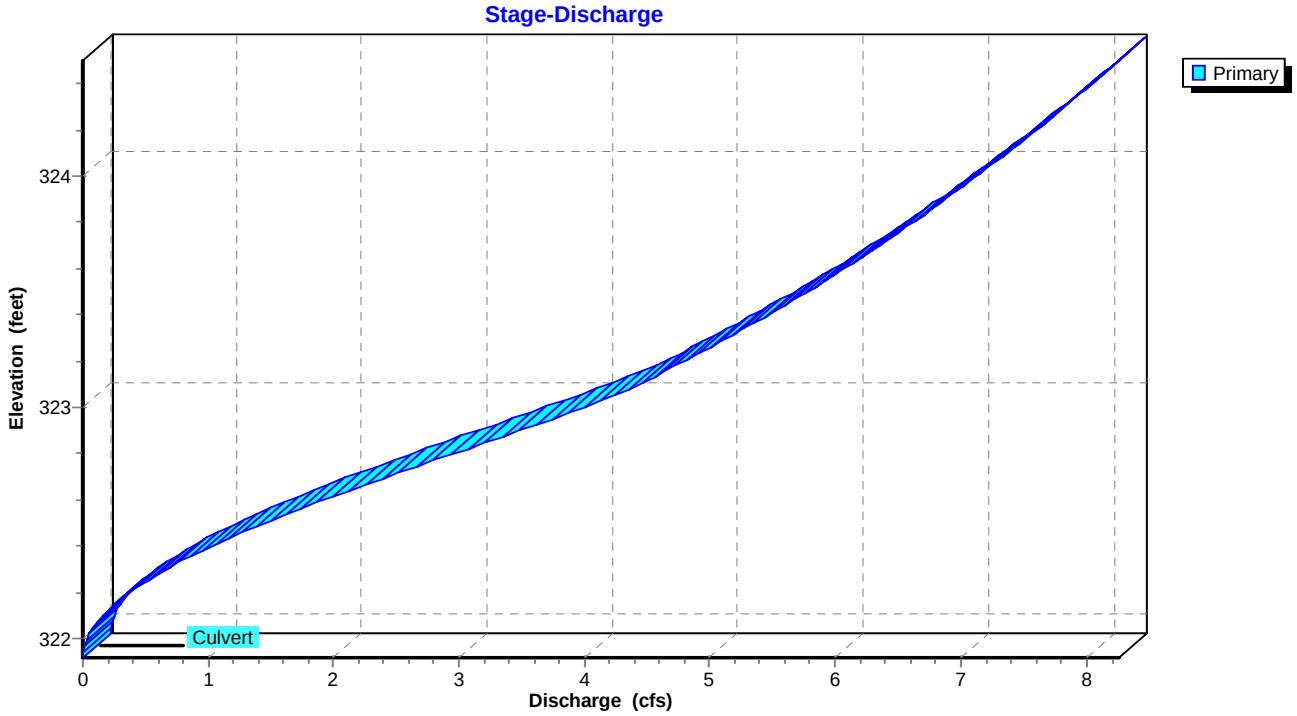
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.90 cfs @ 12.08 hrs HW=322.98' TW=321.25' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.90 cfs @ 3.51 fps)

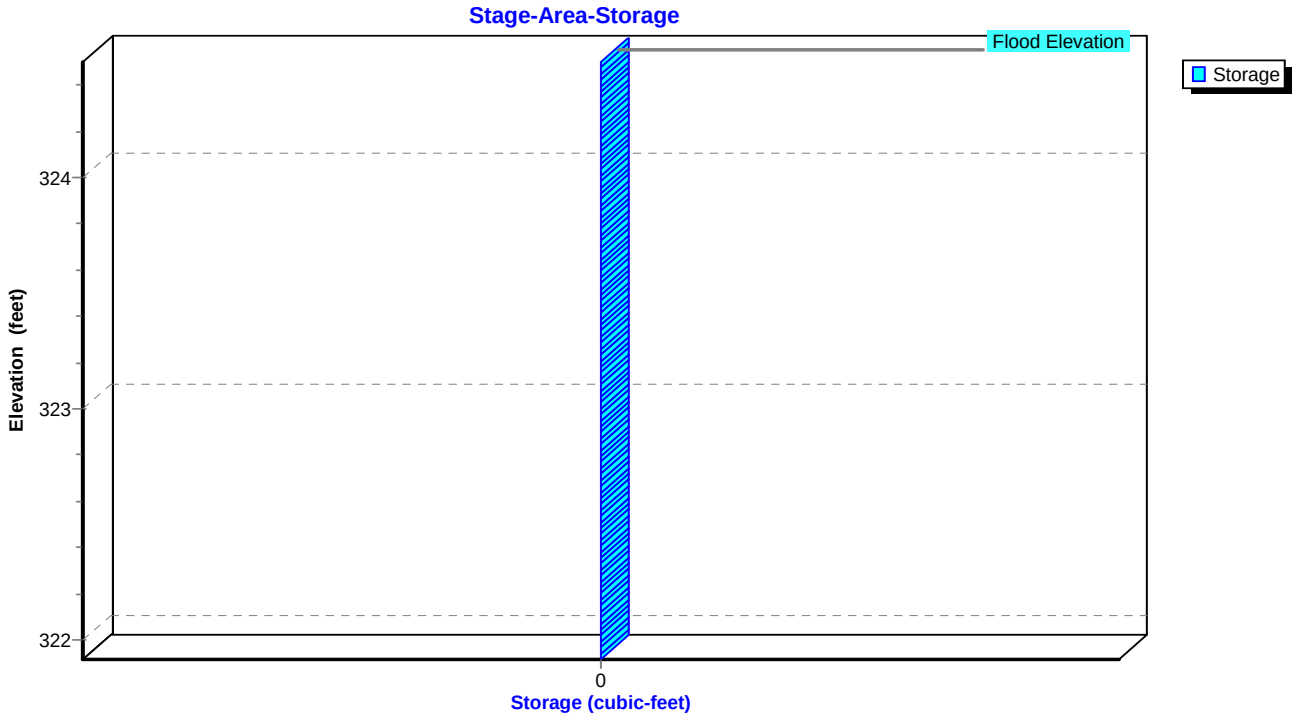
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.94	0.00
8.00	0.01	321.96	0.01
8.50	0.02	321.98	0.02
9.00	0.04	322.01	0.04
9.50	0.06	322.03	0.06
10.00	0.08	322.05	0.08
10.50	0.12	322.07	0.12
11.00	0.17	322.11	0.17
11.50	0.31	322.17	0.31
12.00	**2.39**	**322.69**	**2.39**
12.50	**0.85**	**322.36**	**0.85**
13.00	0.37	322.20	0.37
13.50	0.29	322.17	0.29
14.00	0.24	322.14	0.24
14.50	0.21	322.13	0.21
15.00	0.18	322.11	0.18
15.50	0.15	322.10	0.15
16.00	0.13	322.08	0.13
16.50	0.11	322.07	0.11
17.00	0.10	322.06	0.10
17.50	0.09	322.06	0.09
18.00	0.08	322.05	0.08
18.50	0.07	322.04	0.07
19.00	0.07	322.04	0.07
19.50	0.07	322.04	0.07
20.00	0.06	322.03	0.06
20.50	0.06	322.03	0.06
21.00	0.06	322.03	0.06
21.50	0.06	322.03	0.06
22.00	0.05	322.02	0.05
22.50	0.05	322.02	0.05
23.00	0.05	322.02	0.05
23.50	0.04	322.01	0.04
24.00	0.04	322.01	0.04

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.62' Inflow=7.38 cfs 0.878 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=7.38 cfs 0.878 af

Pond CB10: Catchbasin Peak Elev=312.06' Inflow=42.98 cfs 4.896 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=42.98 cfs 4.896 af

Pond CB10-1: CB1-1 Peak Elev=313.05' Inflow=4.23 cfs 0.258 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.23 cfs 0.258 af

Pond CB11: Catchbasin Peak Elev=301.92' Inflow=45.92 cfs 5.142 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=45.92 cfs 5.142 af

Pond CB11-1: CB1-1 Peak Elev=303.06' Inflow=2.99 cfs 0.246 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.99 cfs 0.246 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.63' Inflow=15.75 cfs 1.790 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=15.75 cfs 1.790 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=344.10' Inflow=19.30 cfs 2.183 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=19.30 cfs 2.183 af

Pond CB4: Catchbasin Peak Elev=334.19' Inflow=25.80 cfs 2.973 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=25.80 cfs 2.973 af

Pond CB4-1: CB1-1 Peak Elev=338.91' Inflow=25.80 cfs 2.973 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=25.80 cfs 2.973 af

Pond CB5: Catchbasin Peak Elev=333.04' Inflow=26.47 cfs 3.089 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=26.47 cfs 3.089 af

Pond CB5-1: CB1-1 Peak Elev=334.56' Inflow=1.94 cfs 0.116 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.94 cfs 0.116 af

Pond CB6: Catchbasin Peak Elev=331.91' Inflow=32.05 cfs 3.611 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=32.05 cfs 3.611 af

Pond CB6-1: CB1-1 Peak Elev=337.50' Inflow=5.78 cfs 0.522 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=5.78 cfs 0.522 af

Pond CB7: Catchbasin Peak Elev=330.61' Inflow=36.89 cfs 4.090 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=36.89 cfs 4.090 af

Pond CB7-1: CB1-1 Peak Elev=336.14' Inflow=6.17 cfs 0.479 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.17 cfs 0.479 af

Pond CB8: Catchbasin Peak Elev=329.01' Inflow=38.20 cfs 4.299 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=38.20 cfs 4.299 af

Pond CB8-1: CB1-1 Peak Elev=331.15' Inflow=3.46 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.46 cfs 0.209 af

Pond CB9: Catchbasin Peak Elev=321.93' Inflow=41.30 cfs 4.638 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=41.30 cfs 4.638 af

Pond CB9-1: CB1-1 Peak Elev=323.22' Inflow=4.86 cfs 0.339 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.86 cfs 0.339 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

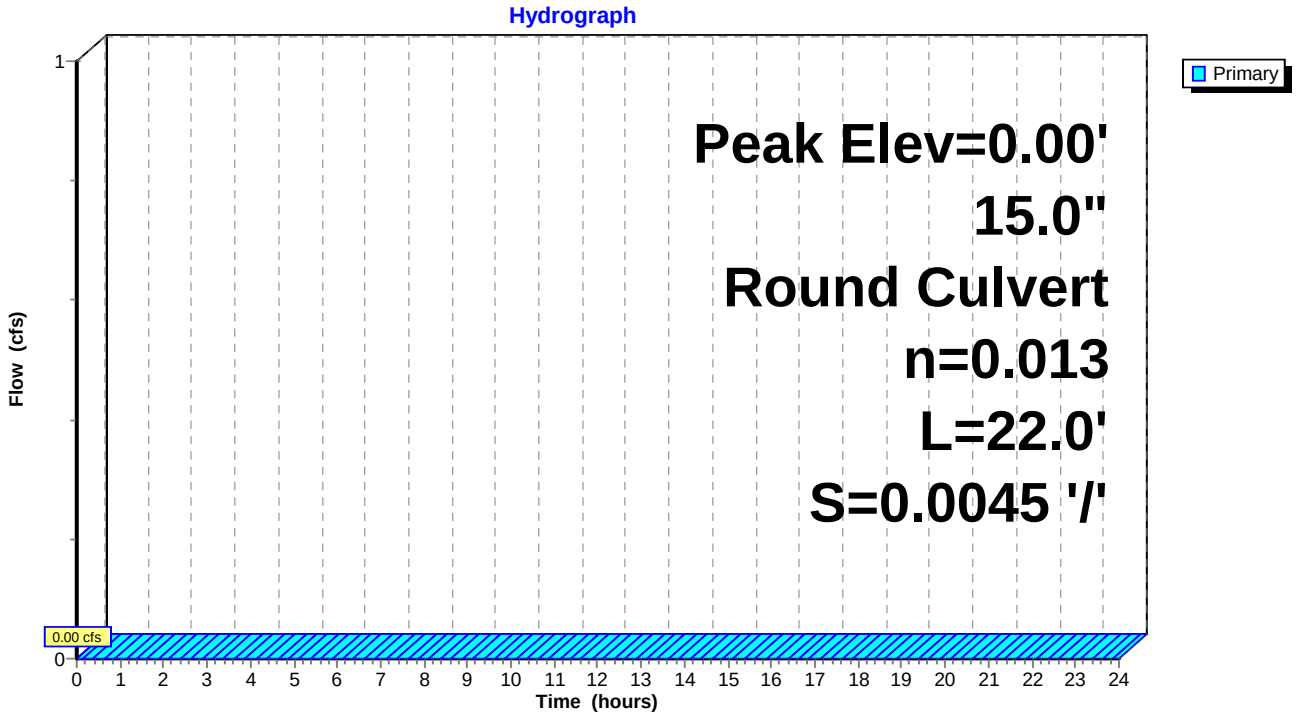
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

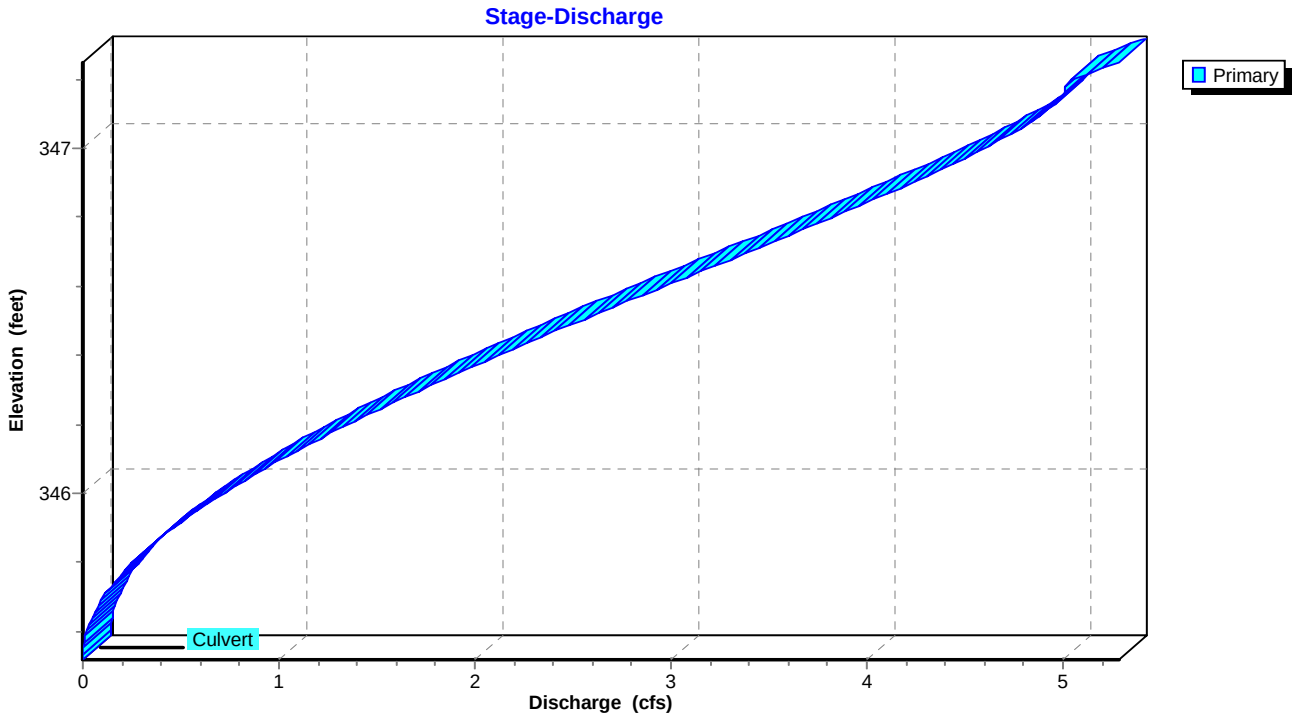
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

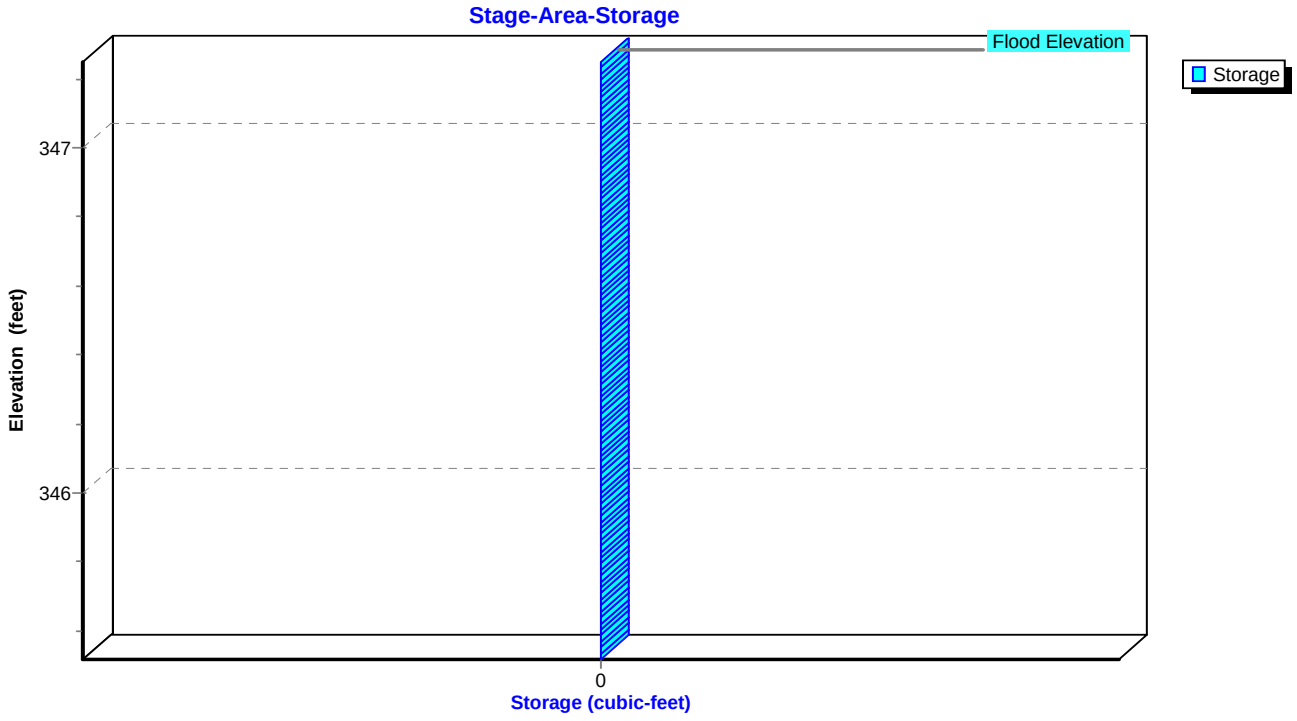
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

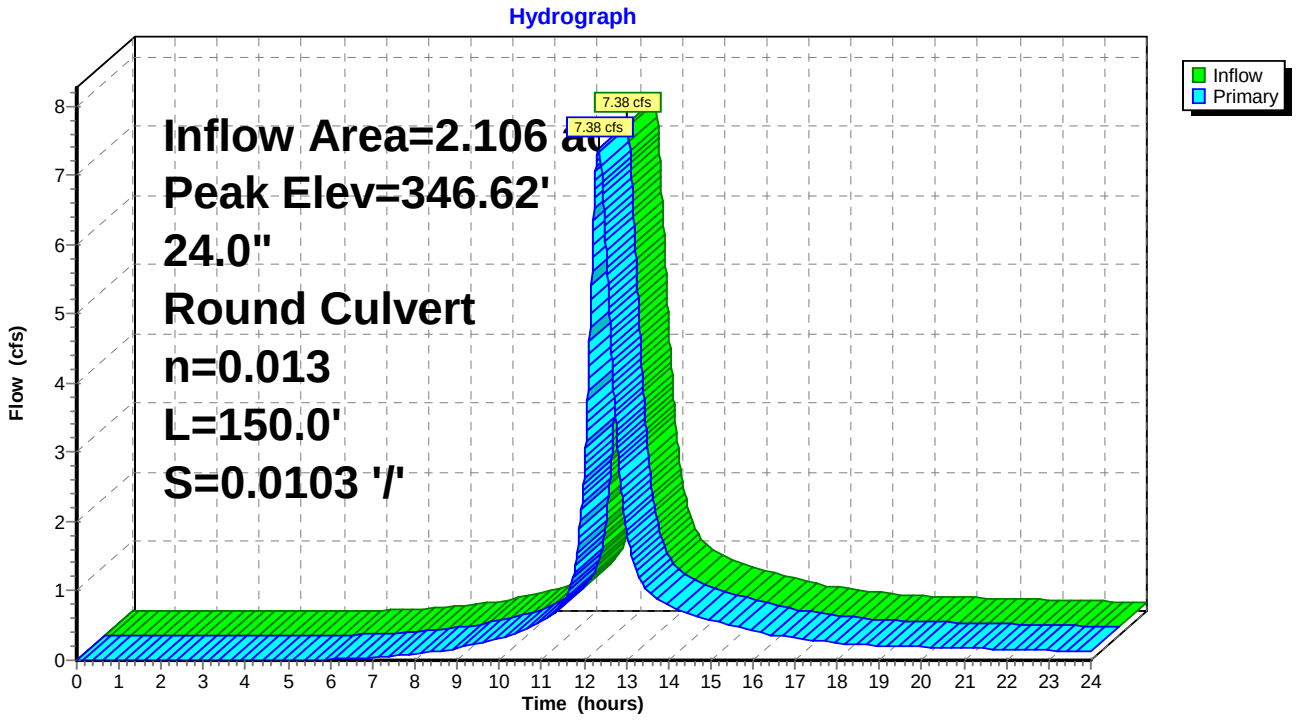
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.00" for 50-Year event
Inflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af
Outflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af, Atten= 0%, Lag= 0.0 min
Primary = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.62' @ 12.33 hrs
Flood Elev= 348.80'

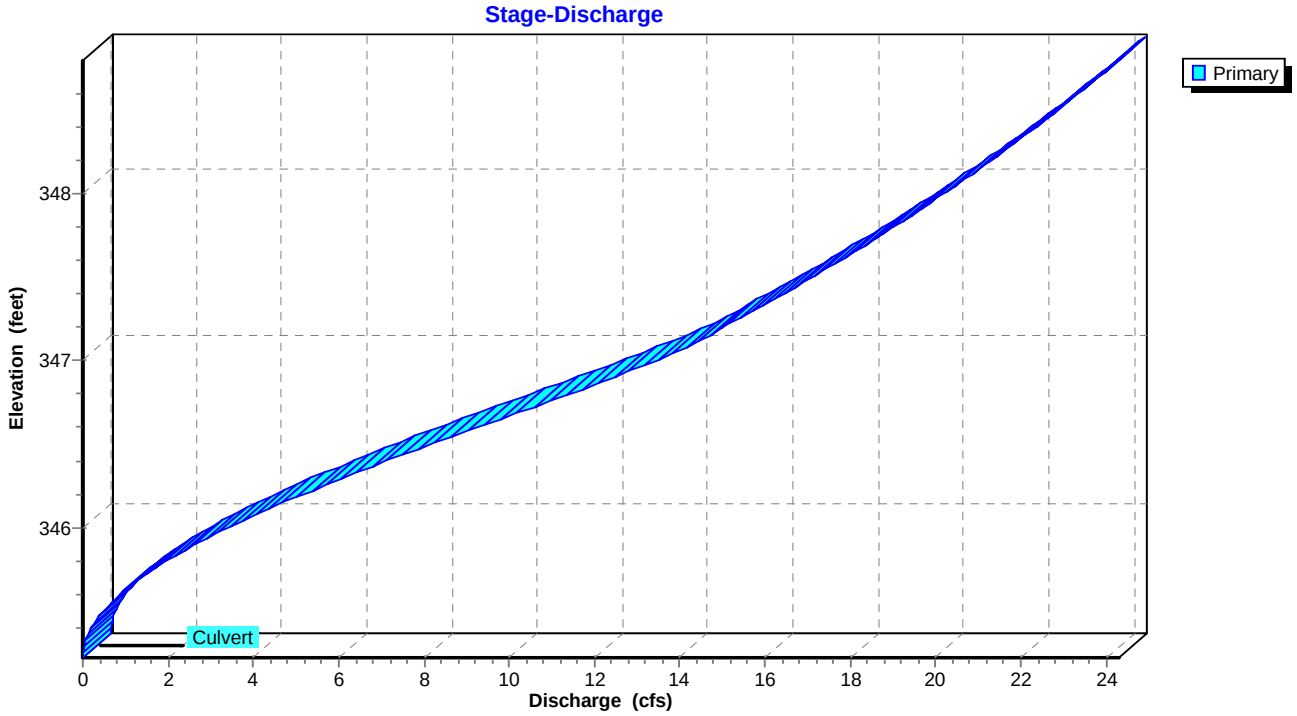
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=7.45 cfs @ 12.34 hrs HW=346.61' TW=345.57' (Dynamic Tailwater)
1=Culvert (Outlet Controls 7.45 cfs @ 4.50 fps)

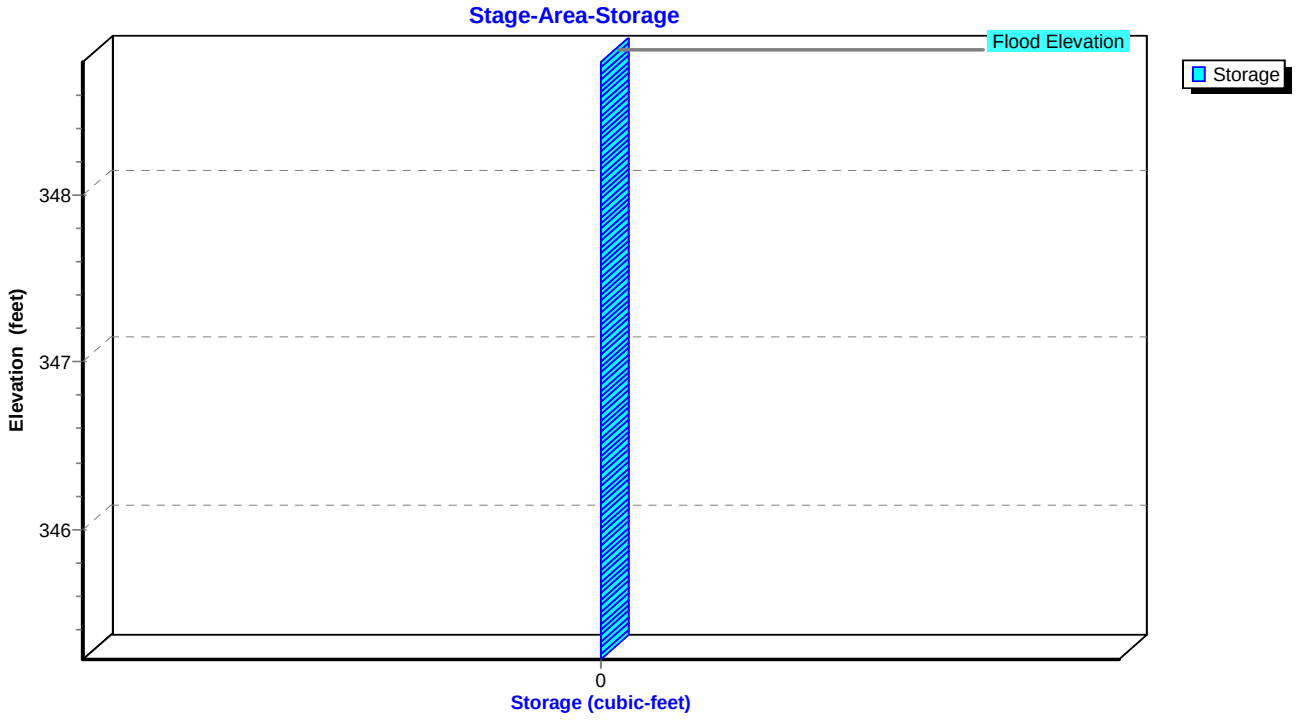
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.00	345.24	0.00
6.00	0.01	345.27	0.01
6.50	0.02	345.29	0.02
7.00	0.04	345.30	0.04
7.50	0.06	345.32	0.06
8.00	0.09	345.34	0.09
8.50	0.12	345.36	0.12
9.00	0.18	345.39	0.18
9.50	0.24	345.42	0.24
10.00	0.31	345.45	0.31
10.50	0.41	345.48	0.41
11.00	0.56	345.52	0.56
11.50	0.82	345.59	0.82
12.00	**2.63**	**345.91**	**2.63**
12.50	**6.27**	**346.39**	**6.27**
13.00	1.92	345.79	1.92
13.50	1.02	345.63	1.02
14.00	0.80	345.58	0.80
14.50	0.66	345.55	0.66
15.00	0.58	345.53	0.58
15.50	0.50	345.51	0.50
16.00	0.42	345.48	0.42
16.50	0.36	345.46	0.36
17.00	0.32	345.45	0.32
17.50	0.28	345.43	0.28
18.00	0.25	345.42	0.25
18.50	0.22	345.41	0.22
19.00	0.21	345.40	0.21
19.50	0.20	345.40	0.20
20.00	0.19	345.39	0.19
20.50	0.18	345.39	0.18
21.00	0.17	345.39	0.17
21.50	0.16	345.38	0.16
22.00	0.16	345.38	0.16
22.50	0.15	345.37	0.15
23.00	0.14	345.37	0.14
23.50	0.13	345.37	0.13
24.00	0.13	345.36	0.13

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

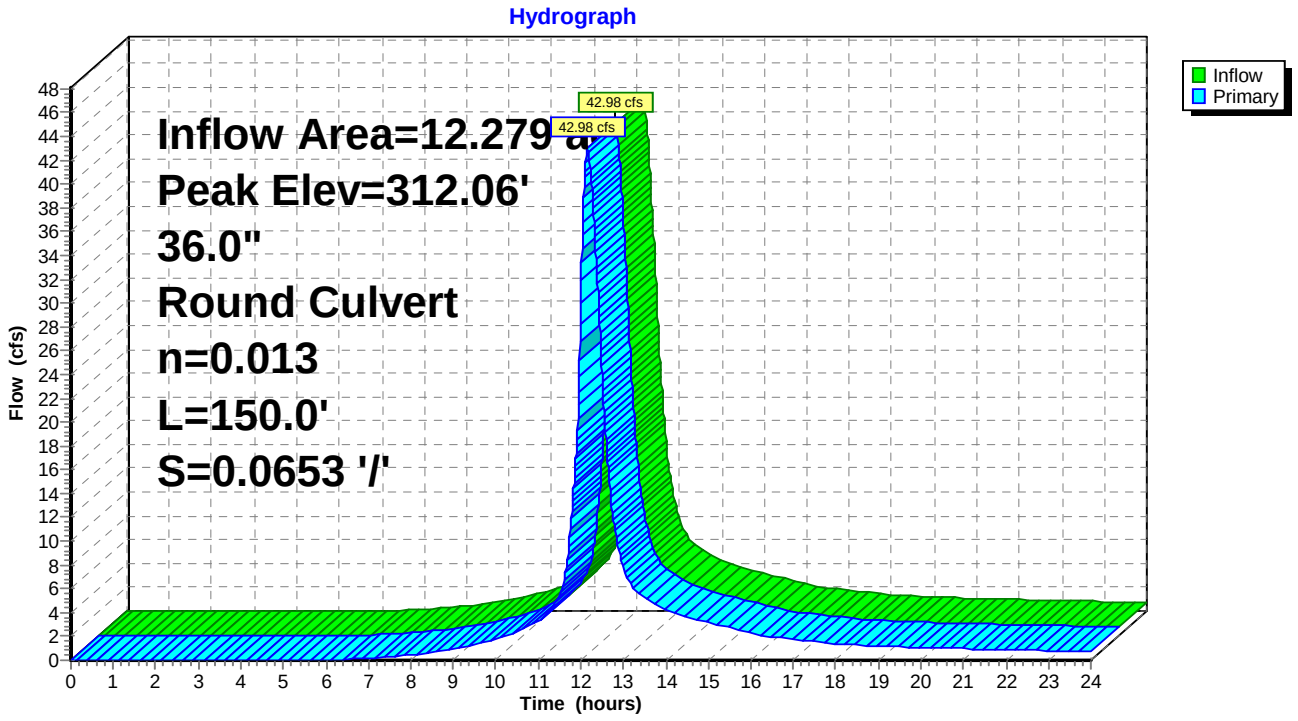
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 4.78" for 50-Year event
Inflow = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af
Outflow = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af, Atten= 0%, Lag= 0.0 min
Primary = 42.98 cfs @ 12.16 hrs, Volume= 4.896 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.06' @ 12.16 hrs
Flood Elev= 313.50'

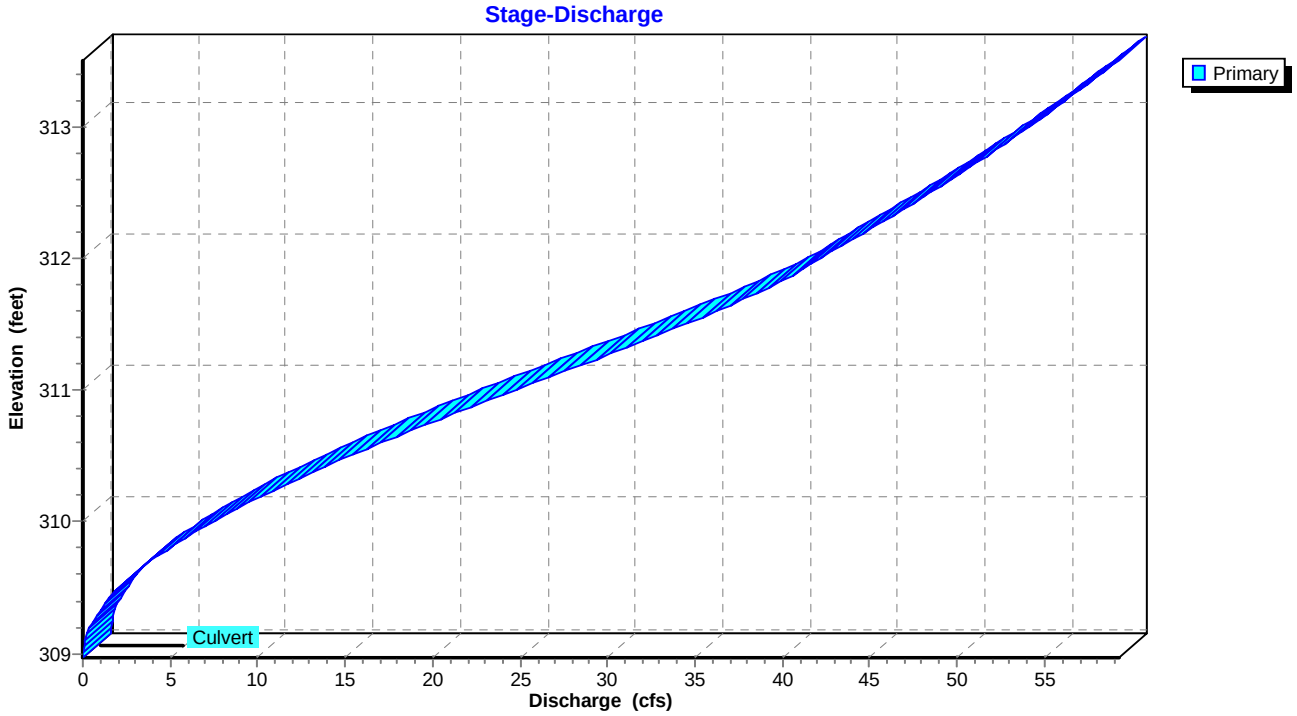
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=42.97 cfs @ 12.16 hrs HW=312.06' TW=301.92' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 42.97 cfs @ 6.08 fps)

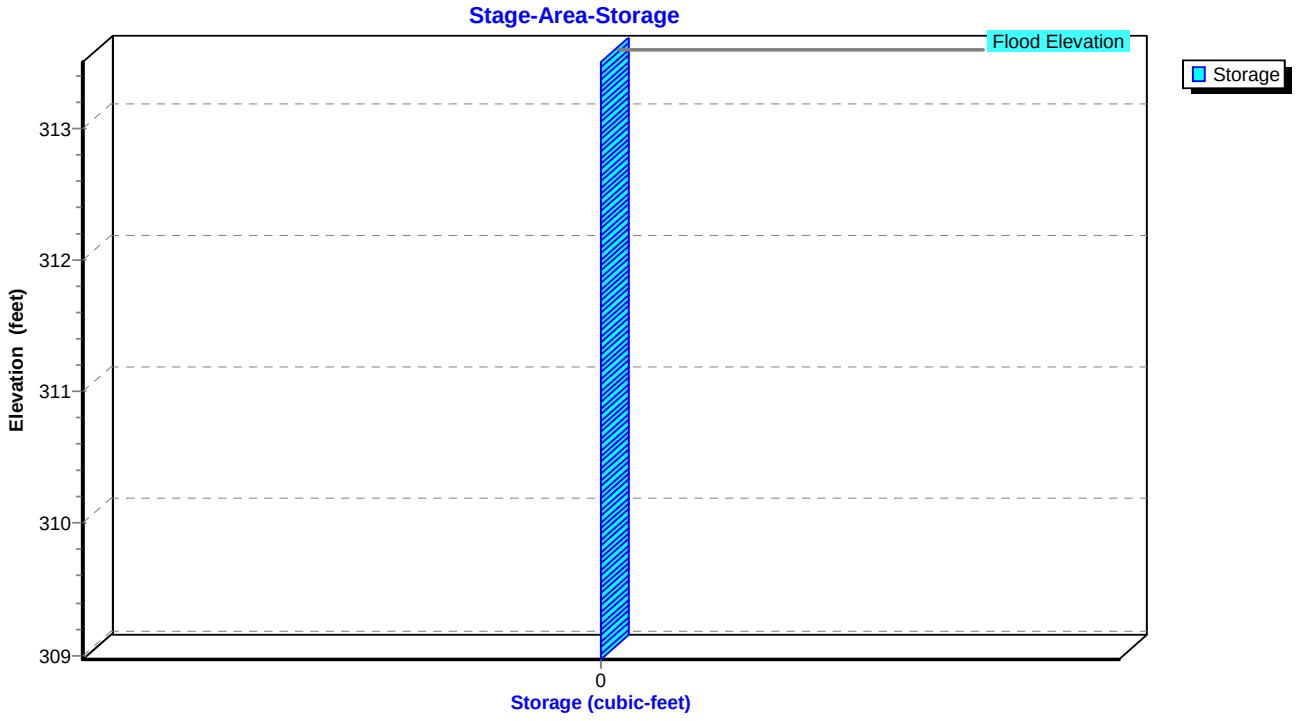
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.97	0.00
5.50	0.01	309.00	0.01
6.00	0.03	309.03	0.03
6.50	0.08	309.07	0.08
7.00	0.18	309.12	0.18
7.50	0.30	309.17	0.30
8.00	0.45	309.21	0.45
8.50	0.66	309.26	0.66
9.00	0.96	309.33	0.96
9.50	1.33	309.39	1.33
10.00	1.76	309.45	1.76
10.50	2.39	309.54	2.39
11.00	3.25	309.64	3.25
11.50	5.33	309.83	5.33
12.00	**30.09**	**311.27**	**30.09**
12.50	**24.04**	**310.97**	**24.04**
13.00	7.84	310.03	7.84
13.50	5.22	309.82	5.22
14.00	4.24	309.74	4.24
14.50	3.60	309.67	3.60
15.00	3.15	309.63	3.15
15.50	2.71	309.58	2.71
16.00	2.26	309.52	2.26
16.50	1.96	309.48	1.96
17.00	1.76	309.45	1.76
17.50	1.56	309.43	1.56
18.00	1.36	309.40	1.36
18.50	1.25	309.38	1.25
19.00	1.18	309.37	1.18
19.50	1.13	309.36	1.13
20.00	1.07	309.35	1.07
20.50	1.02	309.34	1.02
21.00	0.97	309.33	0.97
21.50	0.93	309.32	0.93
22.00	0.88	309.31	0.88
22.50	0.84	309.30	0.84
23.00	0.79	309.29	0.79
23.50	0.75	309.28	0.75
24.00	0.70	309.27	0.70

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

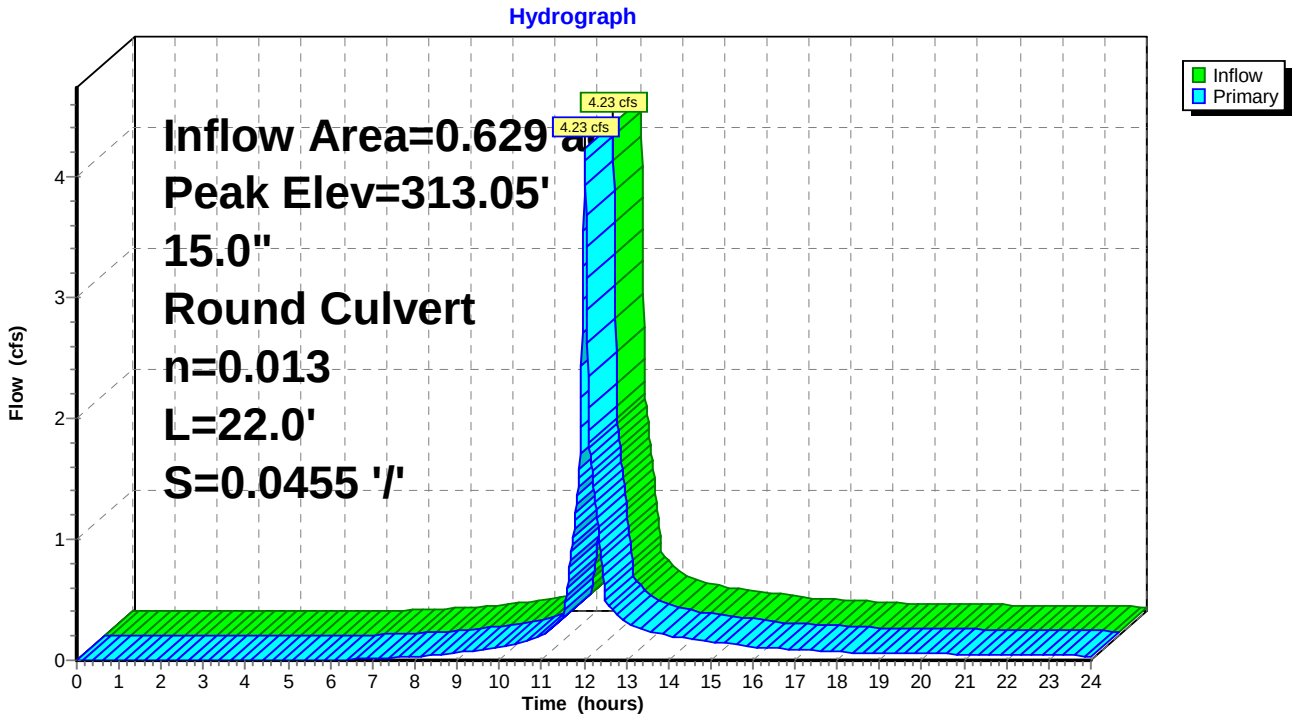
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 4.92" for 50-Year event
Inflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af
Outflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af, Atten= 0%, Lag= 0.0 min
Primary = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.05' @ 12.02 hrs
Flood Elev= 314.50'

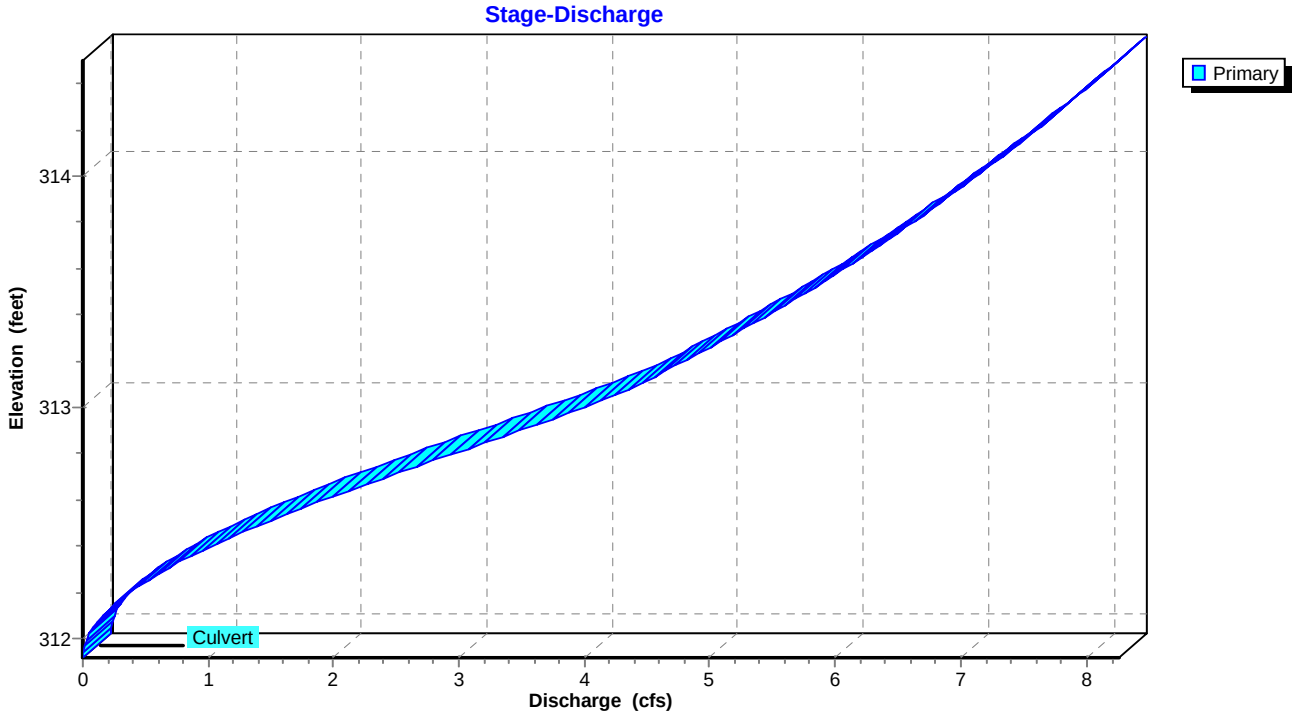
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.22 cfs @ 12.02 hrs HW=313.05' TW=311.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.22 cfs @ 3.62 fps)

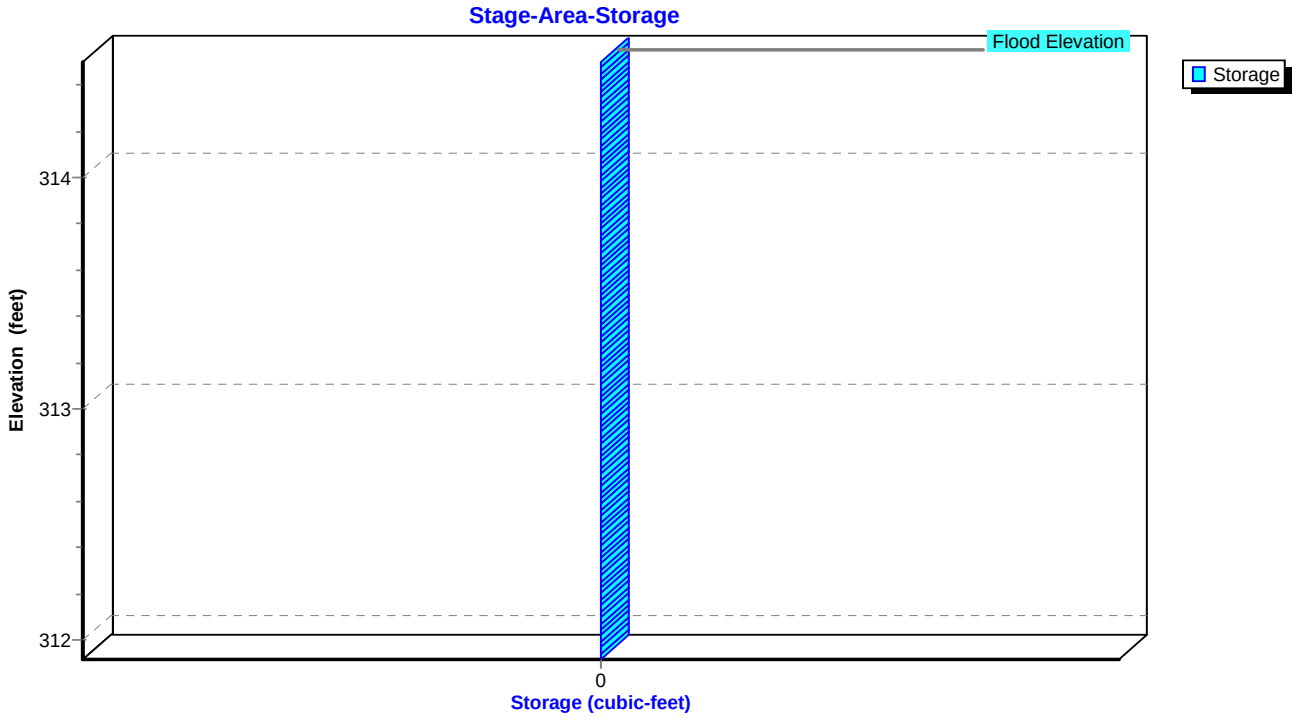
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.93	0.00
6.00	0.00	311.95	0.00
6.50	0.01	311.96	0.01
7.00	0.01	311.97	0.01
7.50	0.02	311.99	0.02
8.00	0.03	312.00	0.03
8.50	0.04	312.01	0.04
9.00	0.06	312.03	0.06
9.50	0.08	312.05	0.08
10.00	0.11	312.07	0.11
10.50	0.15	312.09	0.15
11.00	0.20	312.12	0.20
11.50	0.35	312.19	0.35
12.00	**3.84**	**312.97**	**3.84**
12.50	**0.54**	**312.26**	**0.54**
13.00	0.30	312.17	0.30
13.50	0.25	312.15	0.25
14.00	0.20	312.12	0.20
14.50	0.18	312.11	0.18
15.00	0.15	312.10	0.15
15.50	0.13	312.08	0.13
16.00	0.11	312.07	0.11
16.50	0.10	312.06	0.10
17.00	0.09	312.05	0.09
17.50	0.08	312.04	0.08
18.00	0.07	312.04	0.07
18.50	0.06	312.03	0.06
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.05	312.02	0.05
20.50	0.05	312.02	0.05
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.04	312.01	0.04
22.50	0.04	312.01	0.04
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.00	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

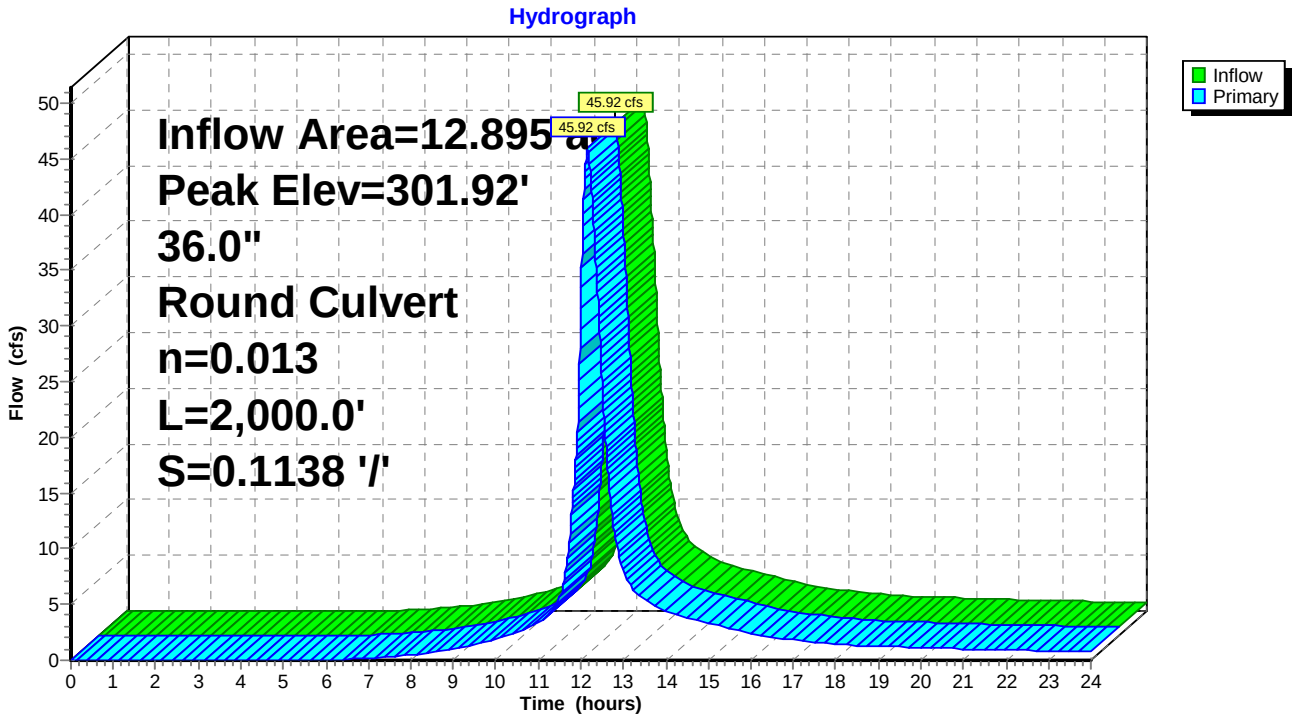
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 4.79" for 50-Year event
Inflow = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af
Outflow = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af, Atten= 0%, Lag= 0.0 min
Primary = 45.92 cfs @ 12.16 hrs, Volume= 5.142 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.92' @ 12.16 hrs
Flood Elev= 303.50'

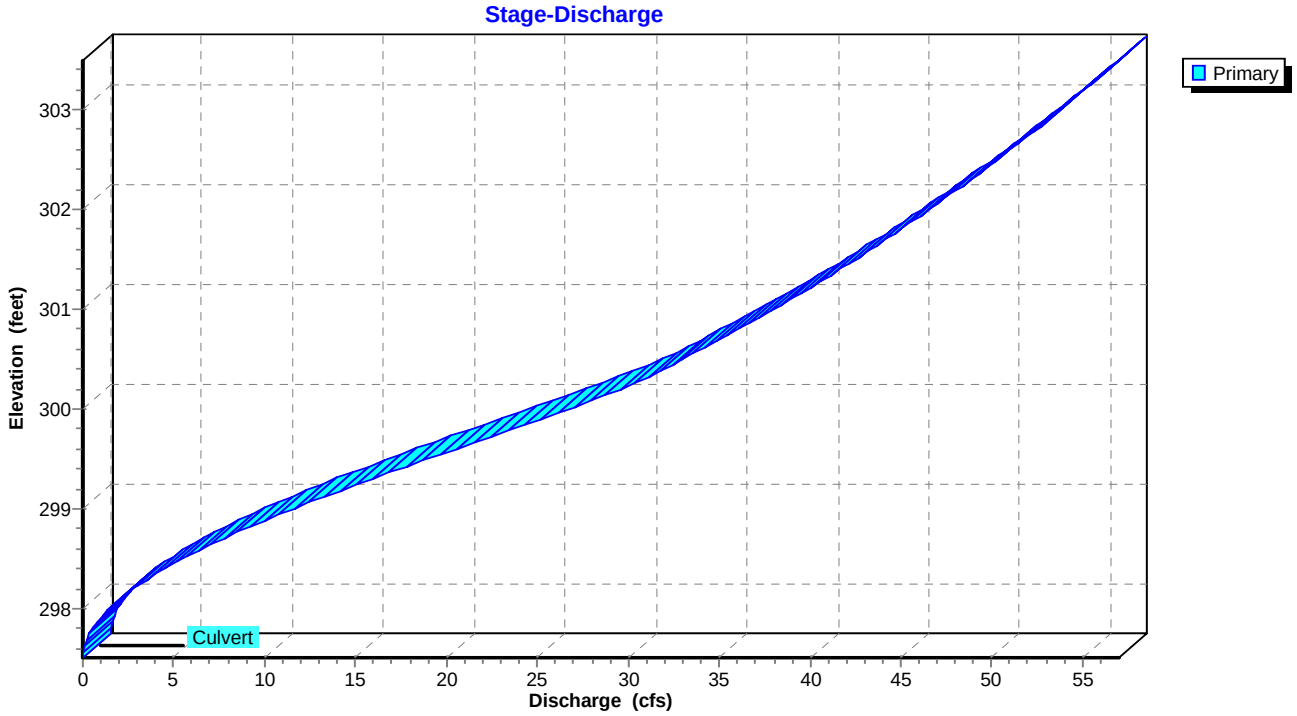
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=45.89 cfs @ 12.16 hrs HW=301.92' (Free Discharge)
1=Culvert (Inlet Controls 45.89 cfs @ 6.49 fps)

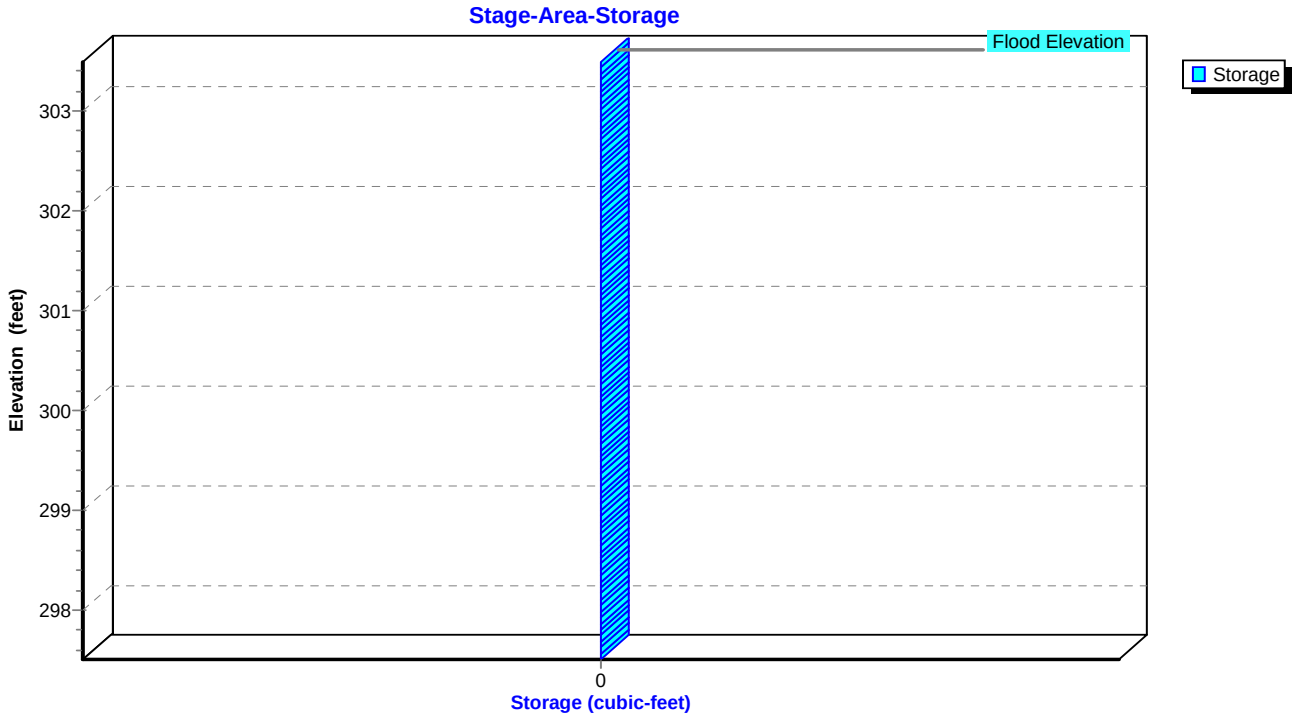
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.50	0.00
5.50	0.01	297.53	0.01
6.00	0.03	297.57	0.03
6.50	0.09	297.62	0.09
7.00	0.19	297.68	0.19
7.50	0.32	297.73	0.32
8.00	0.47	297.78	0.47
8.50	0.70	297.84	0.70
9.00	1.01	297.91	1.01
9.50	1.40	297.99	1.40
10.00	1.85	298.06	1.85
10.50	2.52	298.16	2.52
11.00	3.42	298.27	3.42
11.50	5.62	298.51	5.62
12.00	**31.58**	**300.36**	**31.58**
12.50	**25.02**	**299.89**	**25.02**
13.00	8.17	298.73	8.17
13.50	5.47	298.49	5.47
14.00	4.44	298.39	4.44
14.50	3.78	298.32	3.78
15.00	3.31	298.26	3.31
15.50	2.84	298.20	2.84
16.00	2.37	298.14	2.37
16.50	2.05	298.09	2.05
17.00	1.84	298.06	1.84
17.50	1.64	298.03	1.64
18.00	1.43	297.99	1.43
18.50	1.31	297.97	1.31
19.00	1.24	297.96	1.24
19.50	1.18	297.95	1.18
20.00	1.12	297.93	1.12
20.50	1.07	297.92	1.07
21.00	1.02	297.91	1.02
21.50	0.97	297.90	0.97
22.00	0.93	297.89	0.93
22.50	0.88	297.88	0.88
23.00	0.83	297.87	0.83
23.50	0.79	297.86	0.79
24.00	0.74	297.85	0.74

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

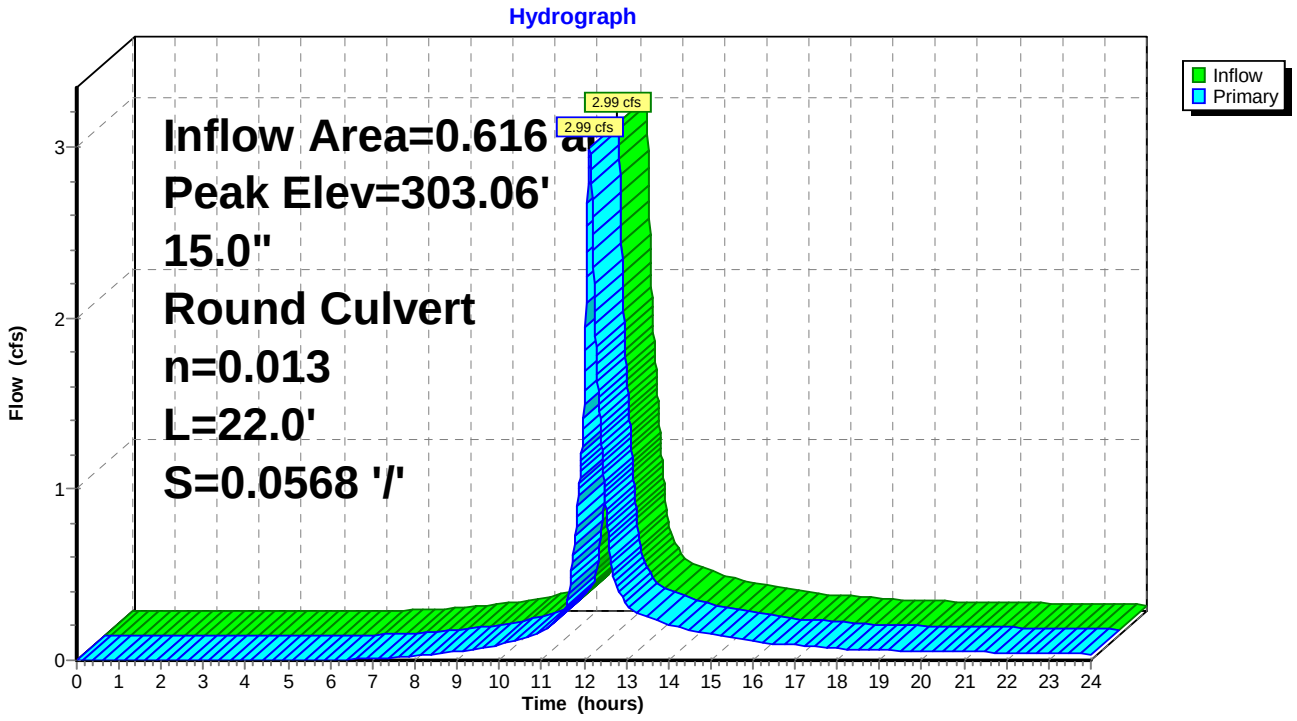
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af
Outflow = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af, Atten= 0%, Lag= 0.0 min
Primary = 2.99 cfs @ 12.14 hrs, Volume= 0.246 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.06' @ 12.14 hrs
Flood Elev= 304.80'

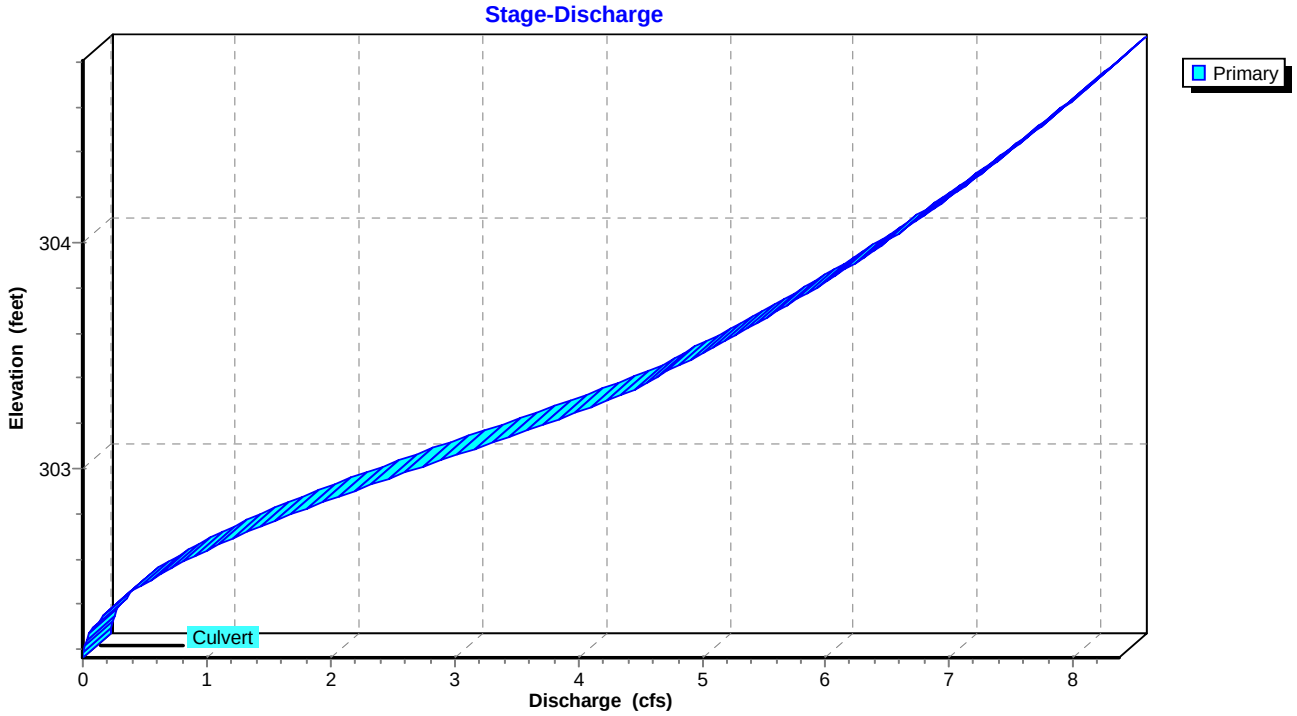
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.99 cfs @ 12.14 hrs HW=303.06' TW=301.89' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.99 cfs @ 3.21 fps)

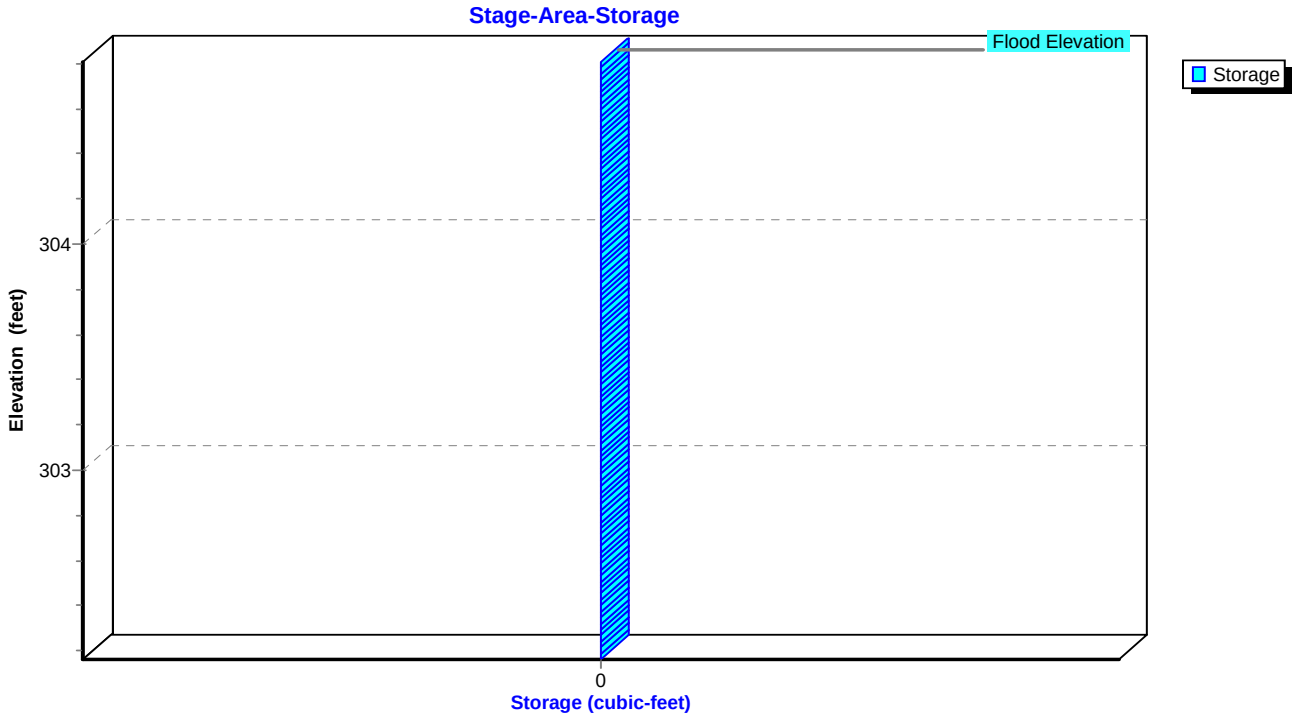
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.18	0.00
6.50	0.00	302.20	0.00
7.00	0.01	302.21	0.01
7.50	0.02	302.23	0.02
8.00	0.02	302.24	0.02
8.50	0.03	302.25	0.03
9.00	0.05	302.27	0.05
9.50	0.07	302.29	0.07
10.00	0.09	302.31	0.09
10.50	0.13	302.33	0.13
11.00	0.17	302.36	0.17
11.50	0.29	302.41	0.29
12.00	**1.49**	**302.76**	**1.49**
12.50	**0.98**	**302.64**	**0.98**
13.00	0.34	302.44	0.34
13.50	0.25	302.40	0.25
14.00	0.21	302.38	0.21
14.50	0.18	302.36	0.18
15.00	0.16	302.35	0.16
15.50	0.13	302.34	0.13
16.00	0.11	302.32	0.11
16.50	0.10	302.31	0.10
17.00	0.09	302.30	0.09
17.50	0.08	302.30	0.08
18.00	0.07	302.29	0.07
18.50	0.06	302.28	0.06
19.00	0.06	302.28	0.06
19.50	0.06	302.28	0.06
20.00	0.05	302.27	0.05
20.50	0.05	302.27	0.05
21.00	0.05	302.27	0.05
21.50	0.05	302.27	0.05
22.00	0.04	302.26	0.04
22.50	0.04	302.26	0.04
23.00	0.04	302.26	0.04
23.50	0.04	302.26	0.04
24.00	0.04	302.25	0.04

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

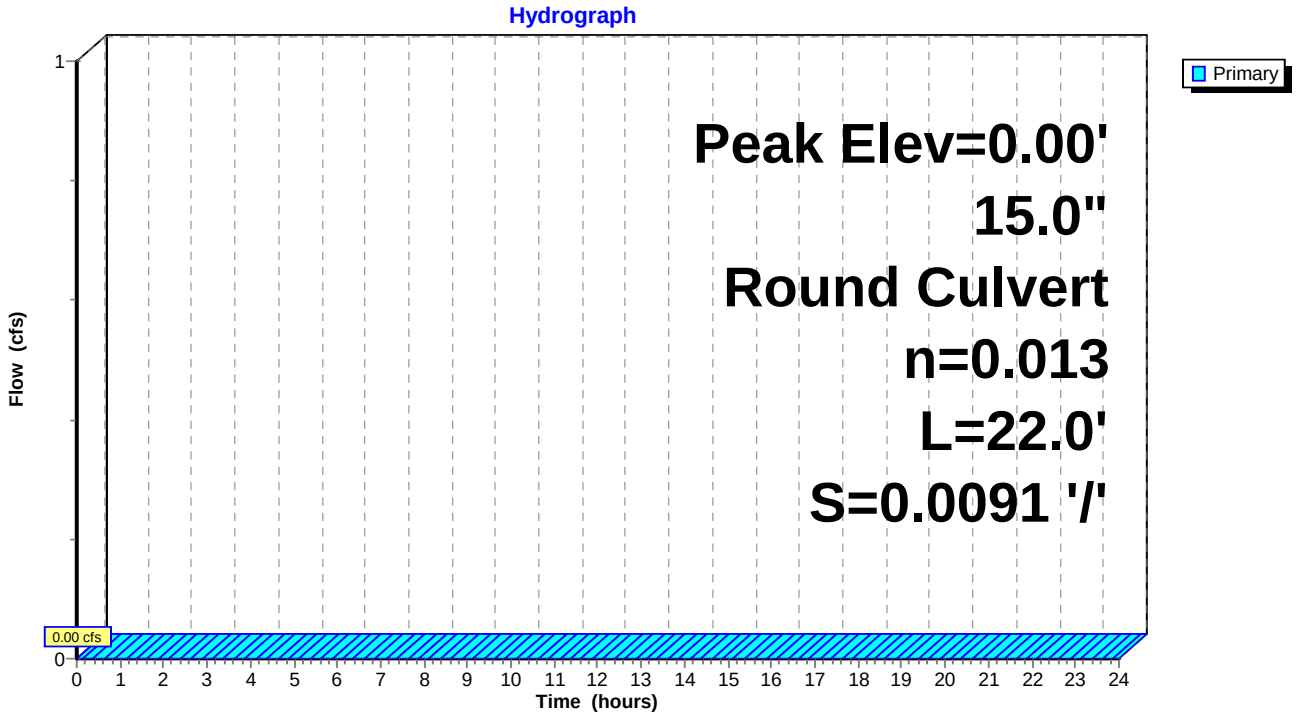
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

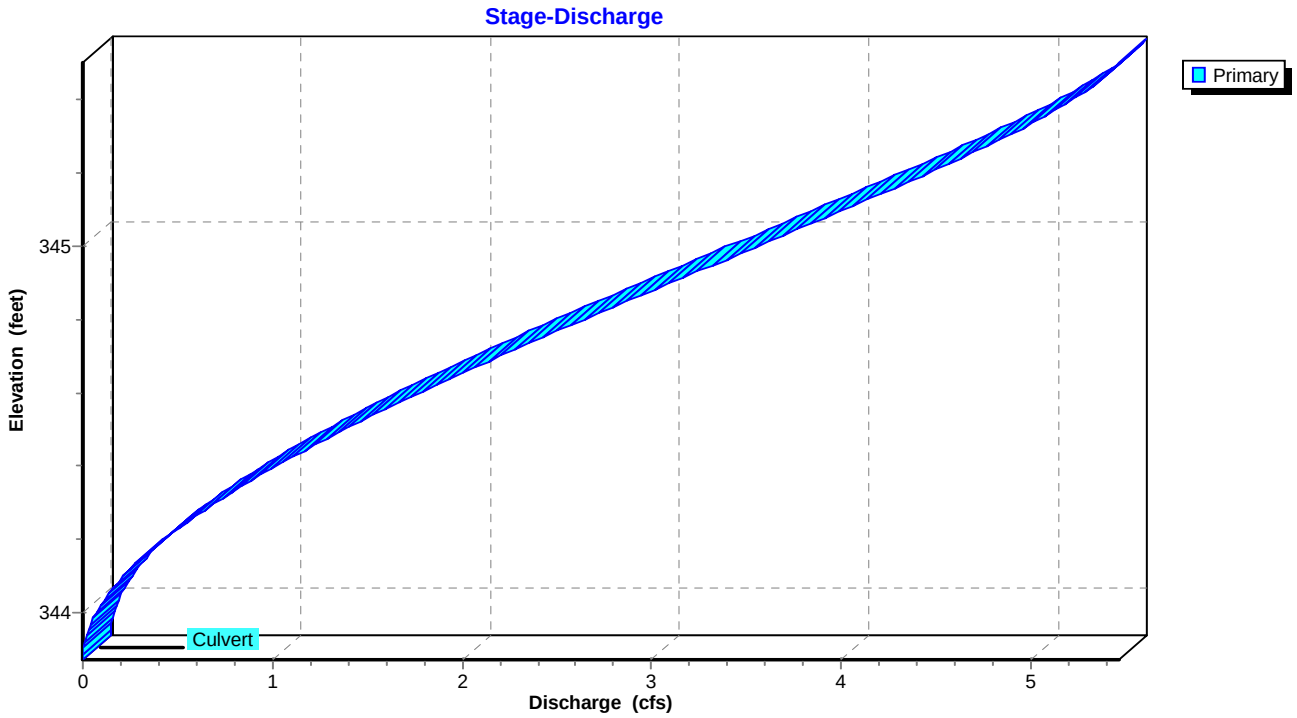
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

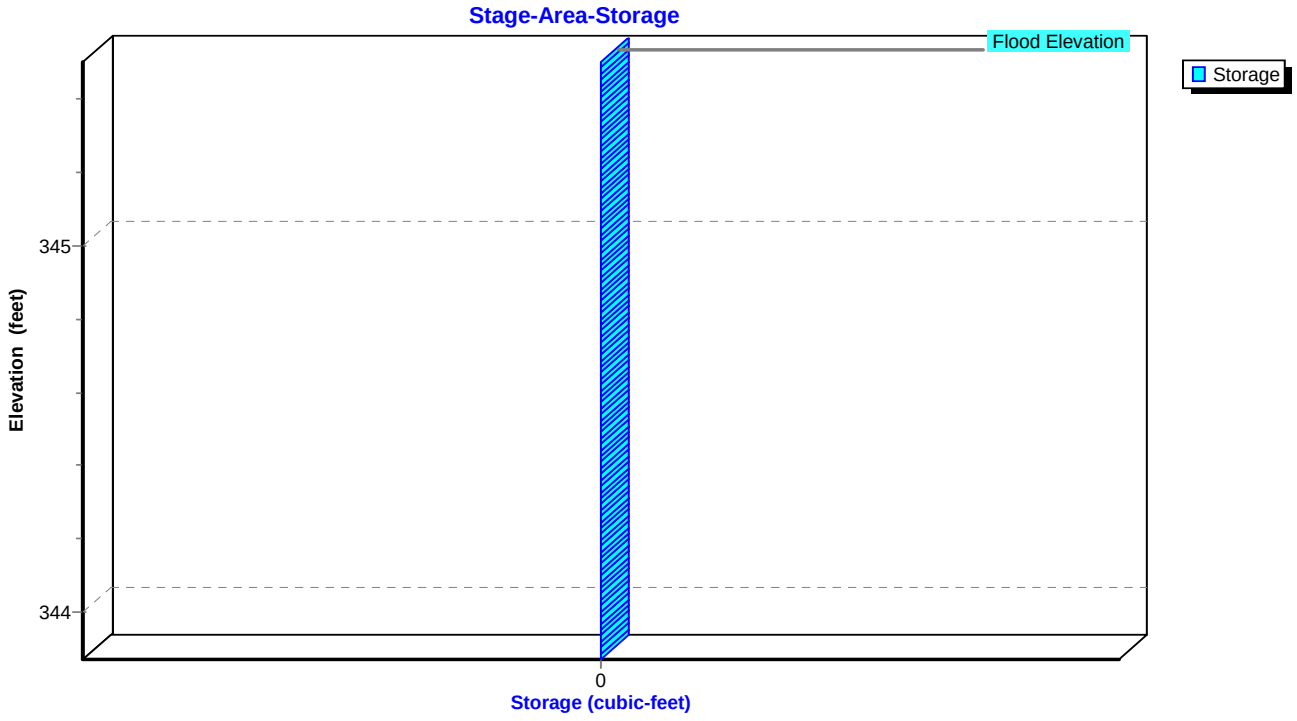
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

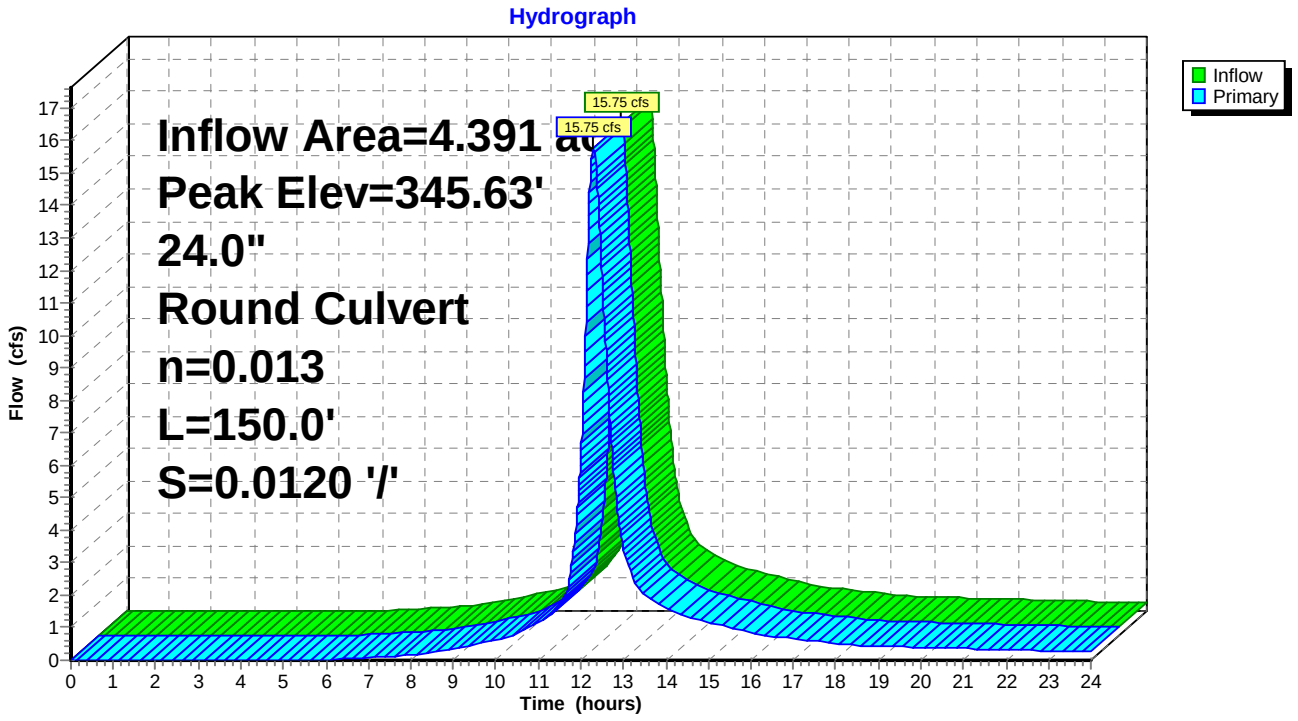
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 4.89" for 50-Year event
Inflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af
Outflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af, Atten= 0%, Lag= 0.0 min
Primary = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.63' @ 12.30 hrs
Flood Elev= 347.00'

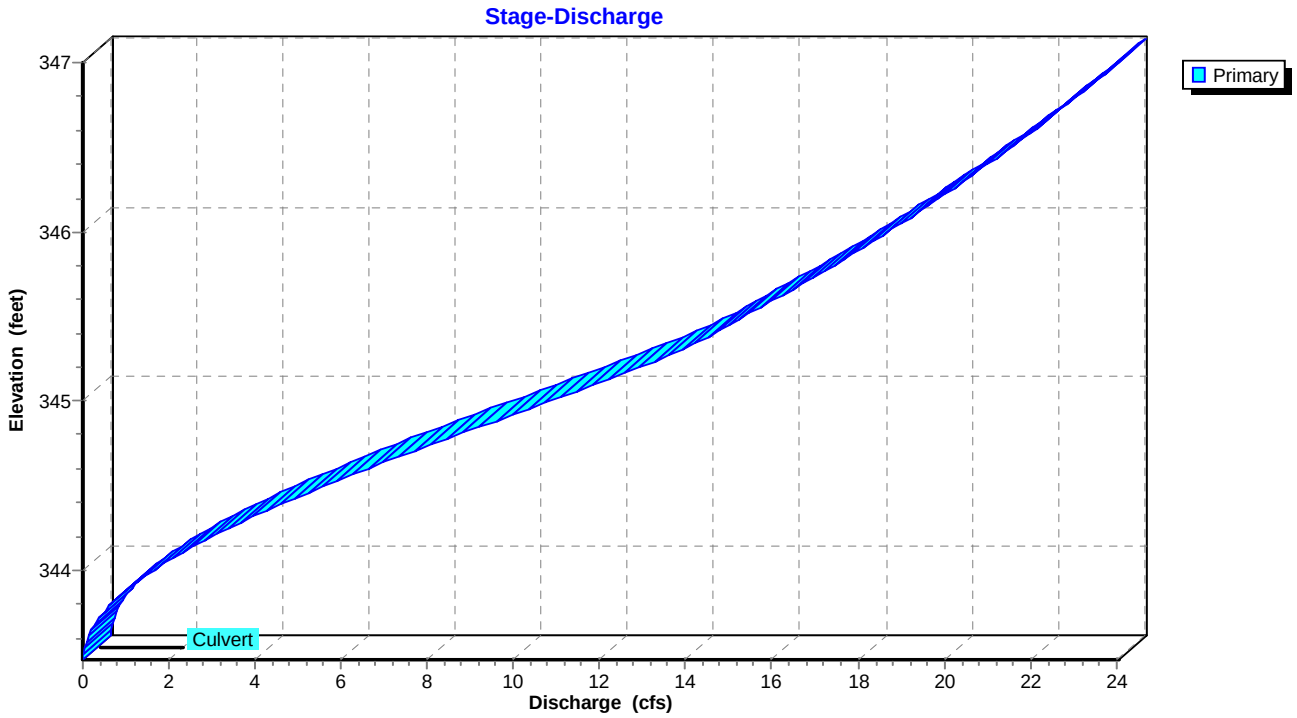
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.74 cfs @ 12.29 hrs HW=345.63' TW=344.10' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 15.74 cfs @ 5.78 fps)

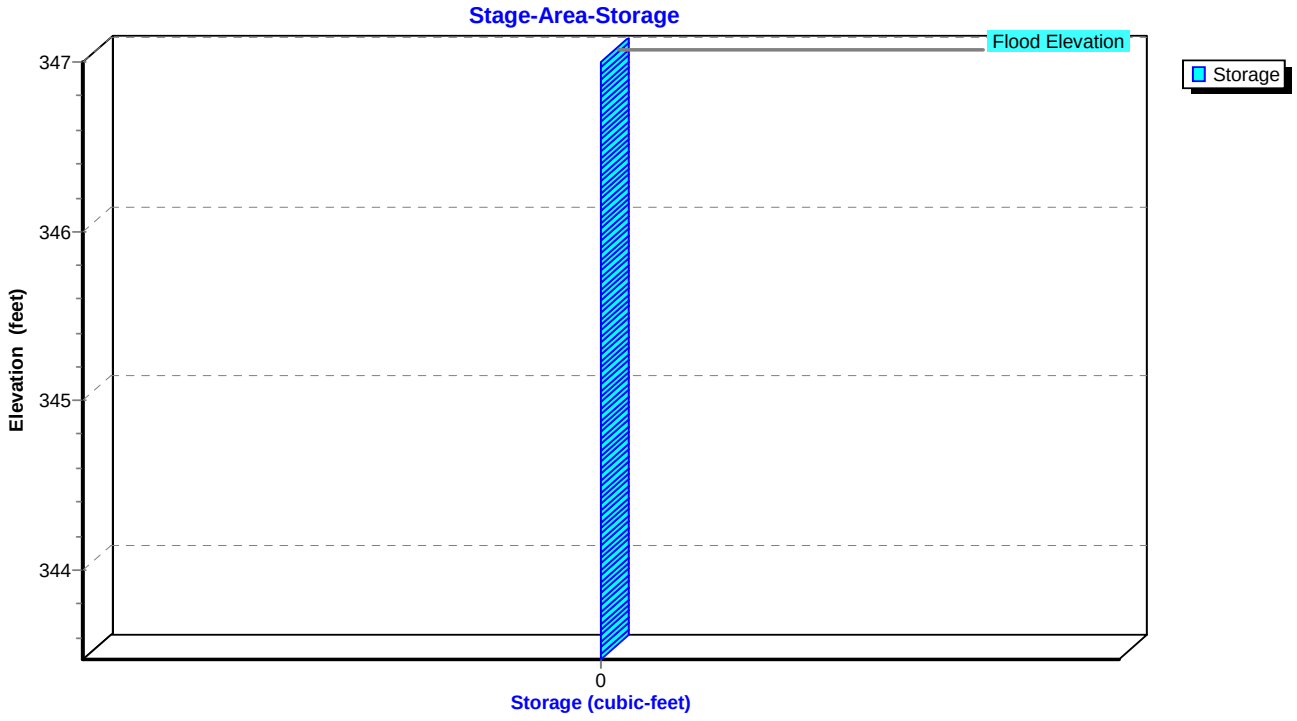
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.00	343.49	0.00
6.00	0.01	343.52	0.01
6.50	0.04	343.55	0.04
7.00	0.07	343.58	0.07
7.50	0.12	343.61	0.12
8.00	0.17	343.63	0.17
8.50	0.24	343.67	0.24
9.00	0.35	343.71	0.35
9.50	0.48	343.75	0.48
10.00	0.63	343.79	0.63
10.50	0.84	343.84	0.84
11.00	1.14	343.91	1.14
11.50	1.73	344.01	1.73
12.00	**6.22**	**344.56**	**6.22**
12.50	**11.81**	**345.09**	**11.81**
13.00	3.48	344.26	3.48
13.50	2.01	344.06	2.01
14.00	1.62	343.99	1.62
14.50	1.35	343.95	1.35
15.00	1.18	343.91	1.18
15.50	1.02	343.88	1.02
16.00	0.86	343.85	0.86
16.50	0.73	343.82	0.73
17.00	0.65	343.80	0.65
17.50	0.58	343.78	0.58
18.00	0.51	343.76	0.51
18.50	0.46	343.74	0.46
19.00	0.43	343.74	0.43
19.50	0.41	343.73	0.41
20.00	0.39	343.72	0.39
20.50	0.37	343.72	0.37
21.00	0.35	343.71	0.35
21.50	0.34	343.70	0.34
22.00	0.32	343.70	0.32
22.50	0.31	343.69	0.31
23.00	0.29	343.69	0.29
23.50	0.27	343.68	0.27
24.00	0.26	343.67	0.26

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

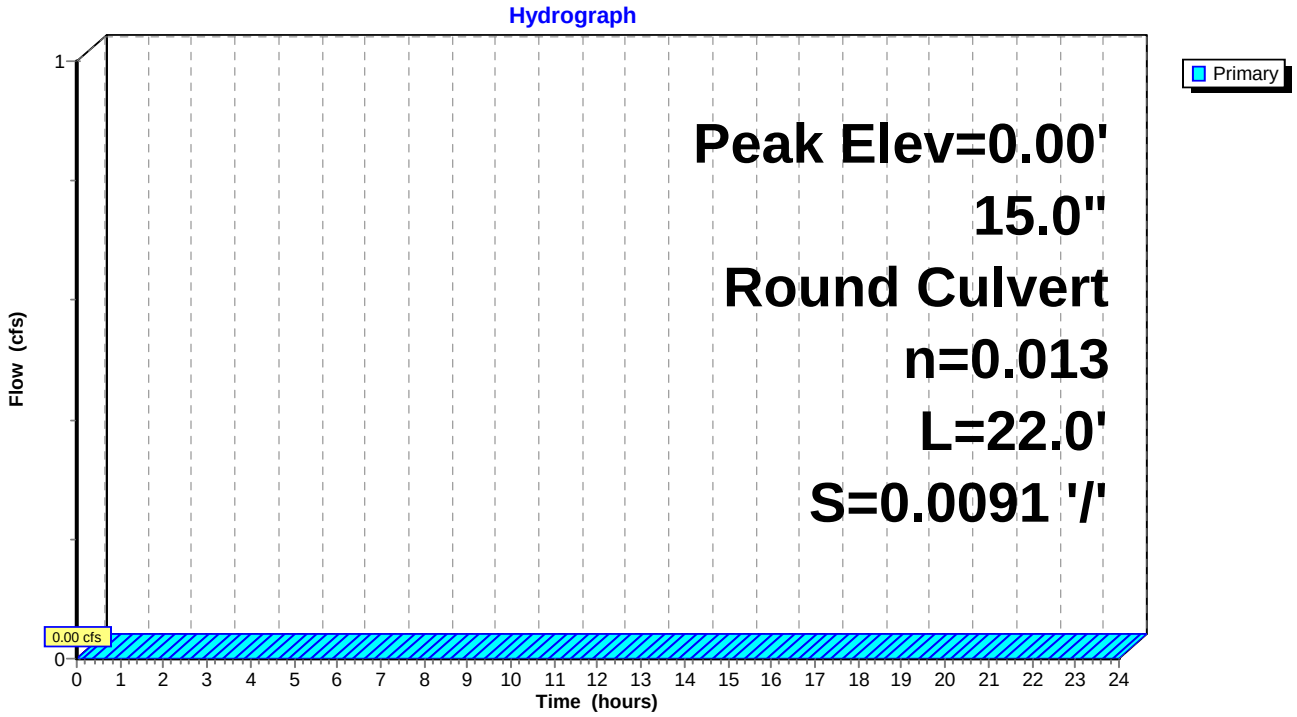
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

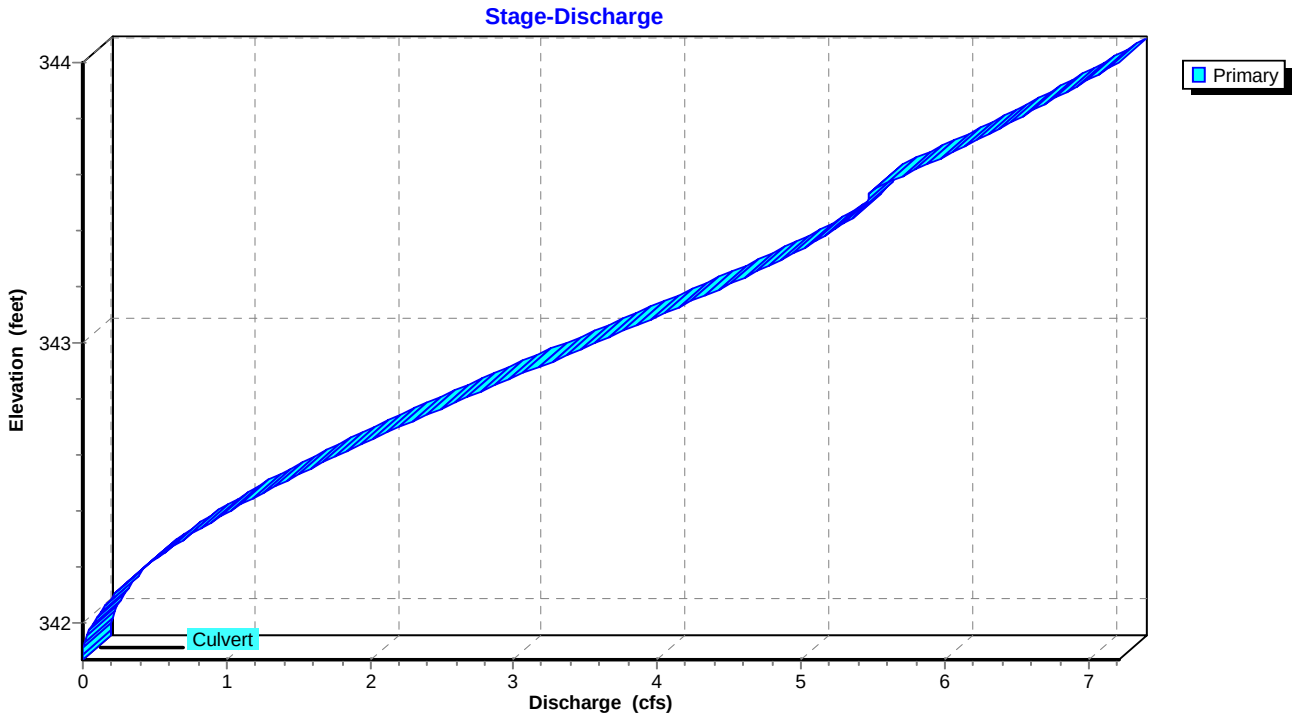
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

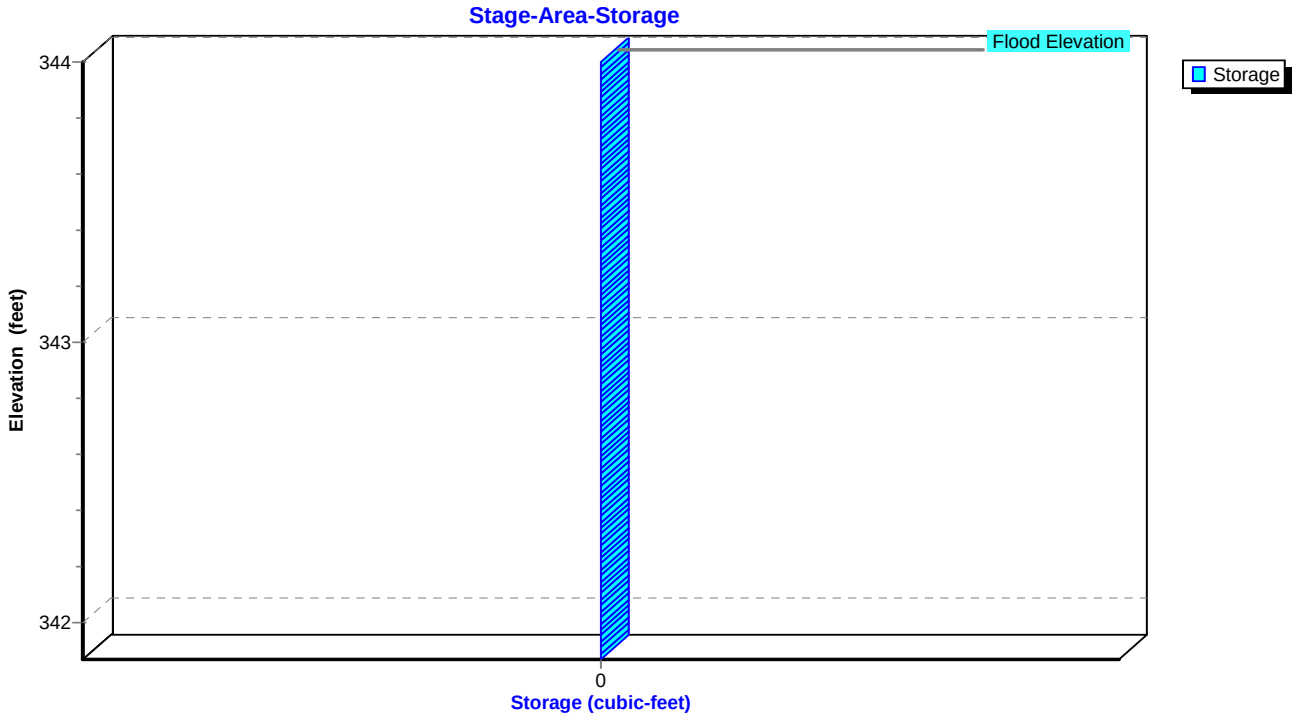
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

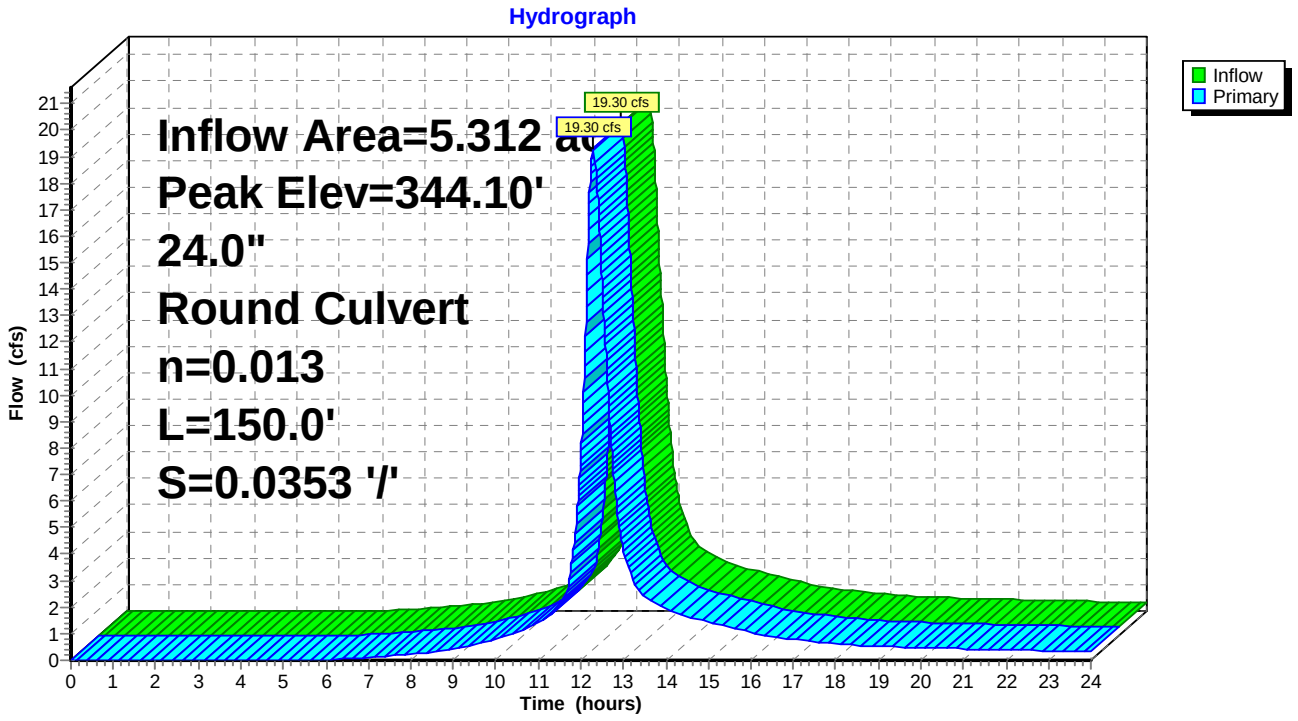
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.93" for 50-Year event
Inflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af
Outflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af, Atten= 0%, Lag= 0.0 min
Primary = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.10' @ 12.29 hrs
Flood Elev= 345.00'

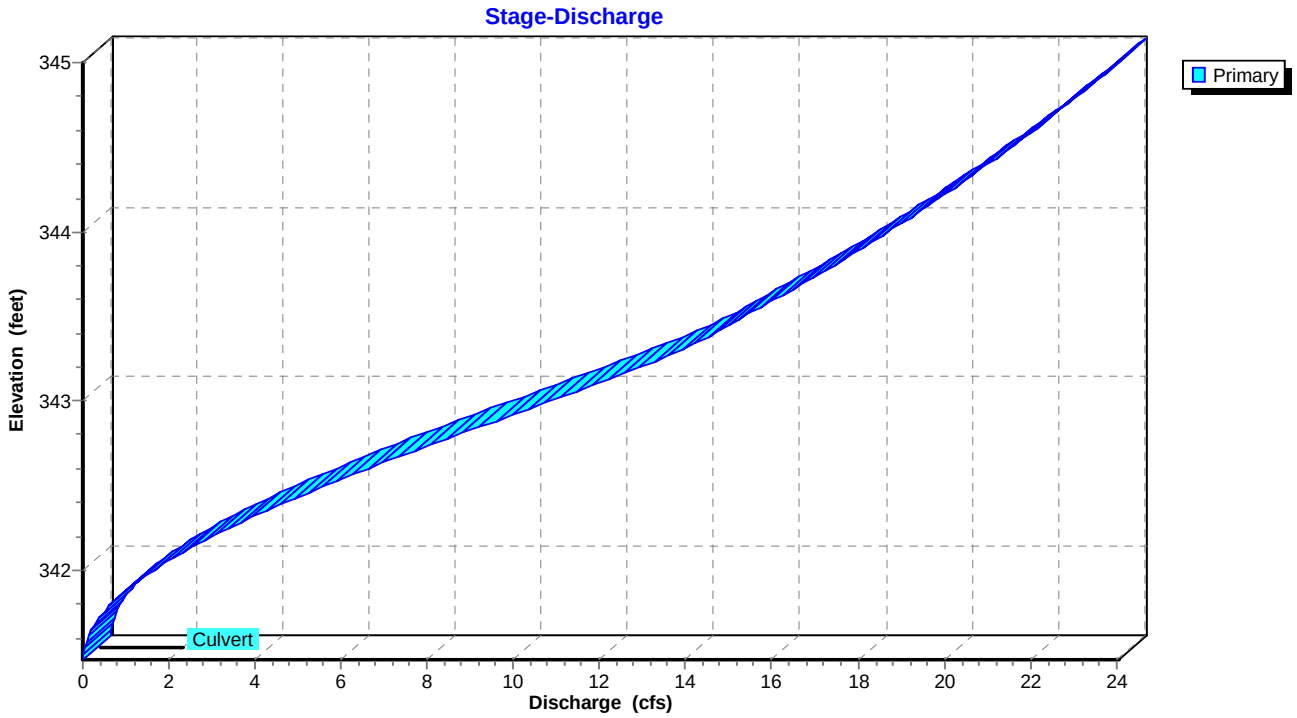
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=19.30 cfs @ 12.29 hrs HW=344.10' TW=338.78' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.30 cfs @ 6.14 fps)

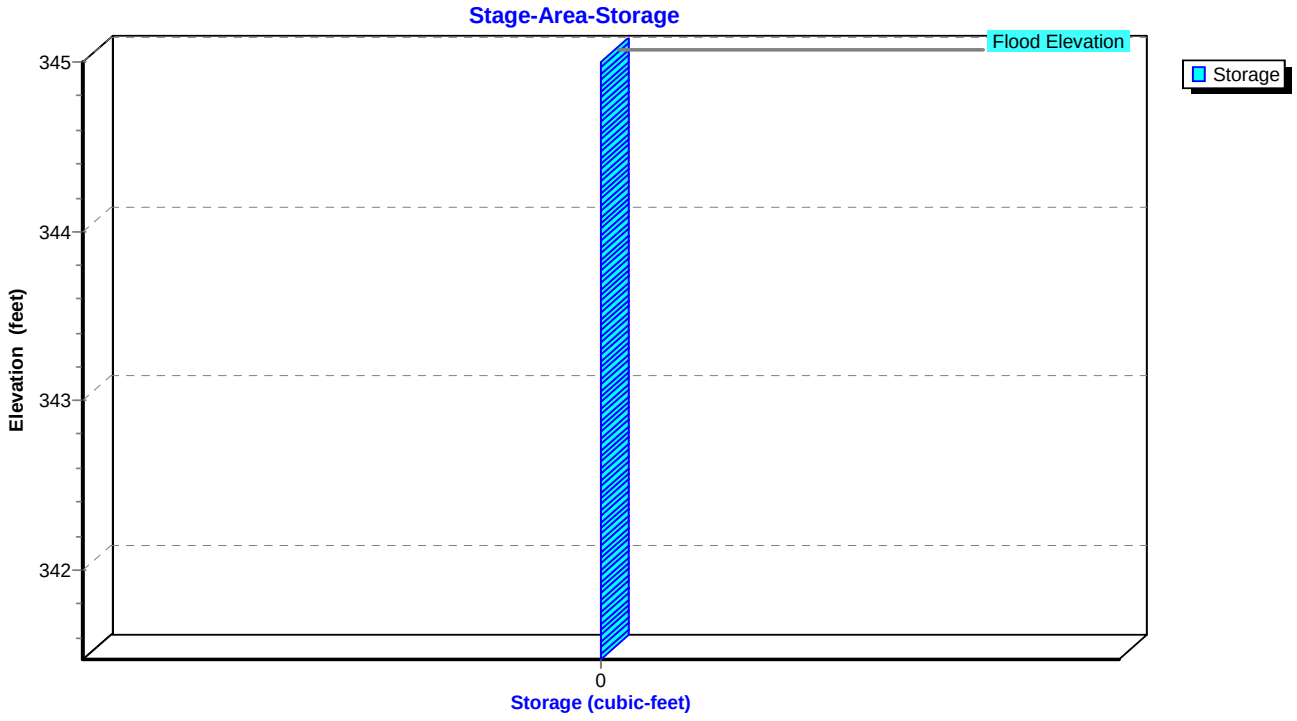
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.47	0.00
5.50	0.00	341.50	0.00
6.00	0.02	341.53	0.02
6.50	0.05	341.56	0.05
7.00	0.10	341.59	0.10
7.50	0.15	341.62	0.15
8.00	0.22	341.66	0.22
8.50	0.30	341.69	0.30
9.00	0.44	341.74	0.44
9.50	0.60	341.78	0.60
10.00	0.78	341.83	0.78
10.50	1.03	341.88	1.03
11.00	1.40	341.96	1.40
11.50	2.13	342.08	2.13
12.00	**7.63**	**342.70**	**7.63**
12.50	**14.33**	**343.35**	**14.33**
13.00	4.19	342.34	4.19
13.50	2.43	342.12	2.43
14.00	1.96	342.05	1.96
14.50	1.63	342.00	1.63
15.00	1.43	341.96	1.43
15.50	1.24	341.93	1.24
16.00	1.04	341.89	1.04
16.50	0.88	341.85	0.88
17.00	0.79	341.83	0.79
17.50	0.70	341.81	0.70
18.00	0.62	341.79	0.62
18.50	0.55	341.77	0.55
19.00	0.53	341.76	0.53
19.50	0.50	341.76	0.50
20.00	0.47	341.75	0.47
20.50	0.45	341.74	0.45
21.00	0.43	341.73	0.43
21.50	0.41	341.73	0.41
22.00	0.39	341.72	0.39
22.50	0.37	341.72	0.37
23.00	0.35	341.71	0.35
23.50	0.33	341.70	0.33
24.00	0.31	341.69	0.31

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.47	**0**	344.02	0
341.52	0	344.07	0
341.57	0	344.12	0
341.62	0	344.17	0
341.67	0	344.22	0
341.72	0	344.27	0
341.77	0	344.32	0
341.82	0	344.37	0
341.87	0	344.42	0
341.92	0	344.47	0
341.97	0	344.52	0
342.02	0	344.57	0
342.07	0	344.62	0
342.12	0	344.67	0
342.17	0	344.72	0
342.22	0	344.77	0
342.27	0	344.82	0
342.32	0	344.87	0
342.37	0	344.92	0
342.42	0	344.97	0
342.47	0		
342.52	0		
342.57	0		
342.62	0		
342.67	0		
342.72	0		
342.77	0		
342.82	0		
342.87	0		
342.92	0		
342.97	0		
343.02	0		
343.07	0		
343.12	0		
343.17	0		
343.22	0		
343.27	0		
343.32	0		
343.37	0		
343.42	0		
343.47	0		
343.52	0		
343.57	0		
343.62	0		
343.67	0		
343.72	0		
343.77	0		
343.82	0		
343.87	0		
343.92	0		
343.97	0		

Summary for Pond CB4: Catchbasin

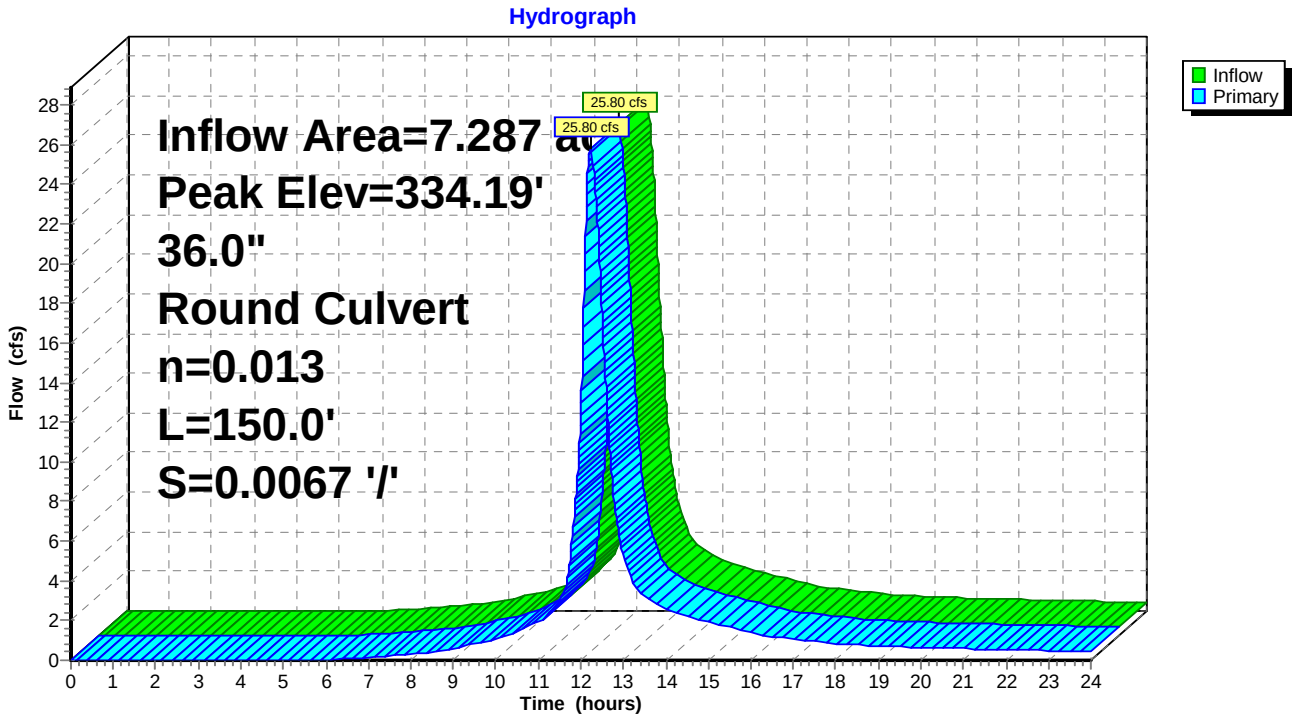
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.19' @ 12.23 hrs
Flood Elev= 337.75'

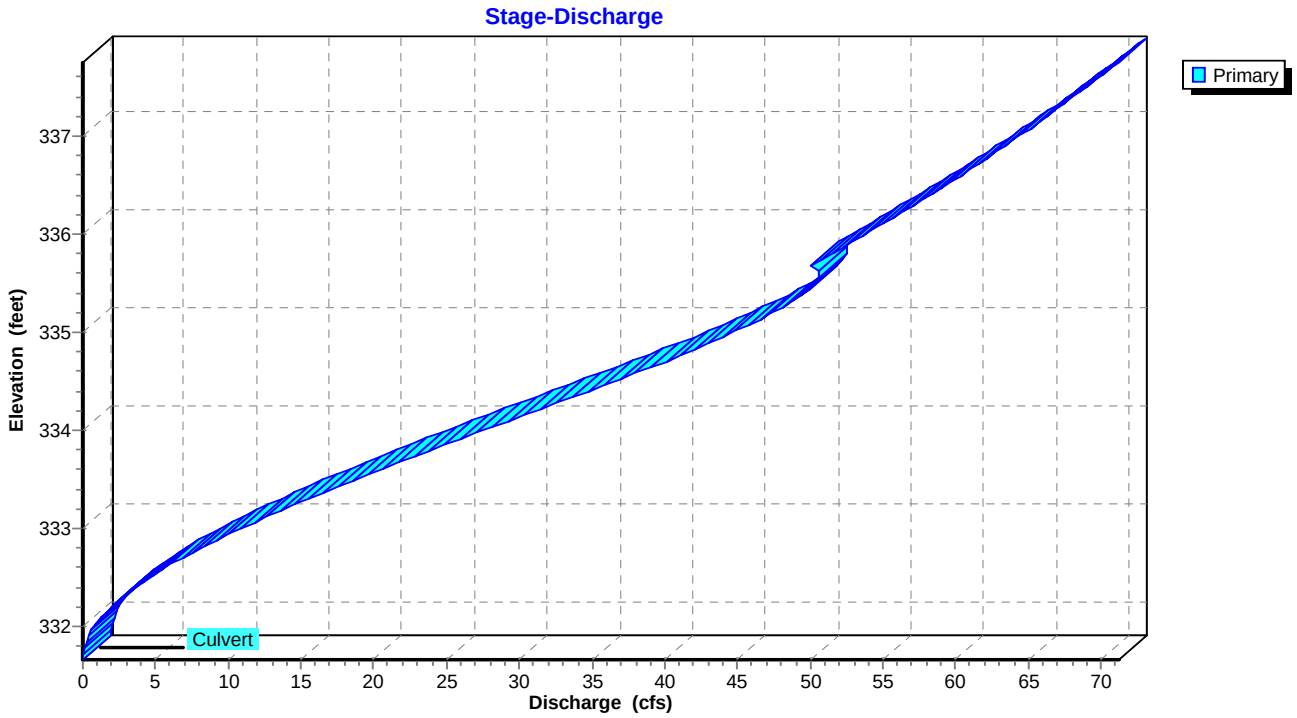
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.82 cfs @ 12.23 hrs HW=334.18' TW=333.04' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 25.82 cfs @ 5.52 fps)

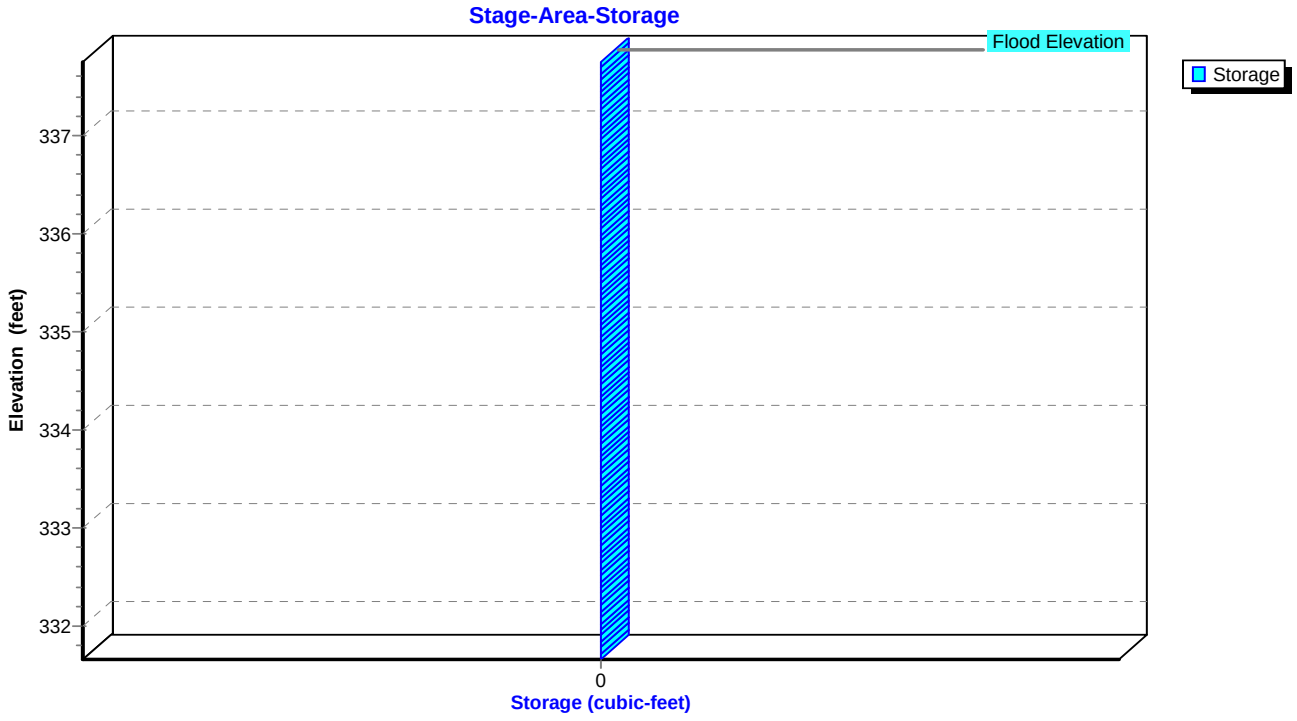
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.67	0.00
5.50	0.00	331.70	0.00
6.00	0.02	331.74	0.02
6.50	0.07	331.78	0.07
7.00	0.13	331.81	0.13
7.50	0.20	331.85	0.20
8.00	0.29	331.88	0.29
8.50	0.42	331.92	0.42
9.00	0.60	331.97	0.60
9.50	0.82	332.02	0.82
10.00	1.07	332.07	1.07
10.50	1.44	332.13	1.44
11.00	1.95	332.21	1.95
11.50	3.04	332.34	3.04
12.00	**12.38**	**333.18**	**12.38**
12.50	**17.50**	**333.55**	**17.50**
13.00	5.28	332.57	5.28
13.50	3.24	332.37	3.24
14.00	2.62	332.29	2.62
14.50	2.20	332.24	2.20
15.00	1.93	332.20	1.93
15.50	1.66	332.17	1.66
16.00	1.39	332.12	1.39
16.50	1.19	332.09	1.19
17.00	1.07	332.07	1.07
17.50	0.95	332.05	0.95
18.00	0.83	332.02	0.83
18.50	0.75	332.01	0.75
19.00	0.71	332.00	0.71
19.50	0.68	331.99	0.68
20.00	0.64	331.98	0.64
20.50	0.61	331.97	0.61
21.00	0.59	331.97	0.59
21.50	0.56	331.96	0.56
22.00	0.53	331.95	0.53
22.50	0.51	331.95	0.51
23.00	0.48	331.94	0.48
23.50	0.45	331.93	0.45
24.00	0.43	331.92	0.43

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

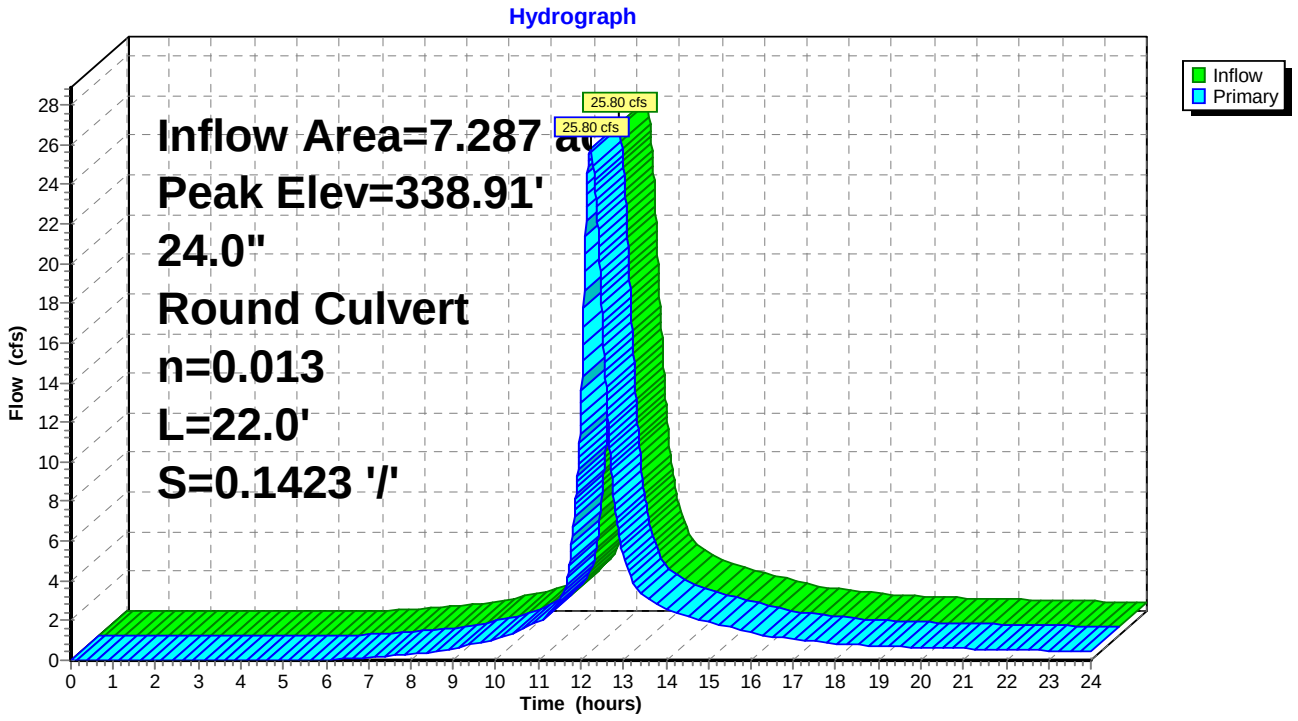
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 338.91' @ 12.23 hrs
Flood Elev= 339.50'

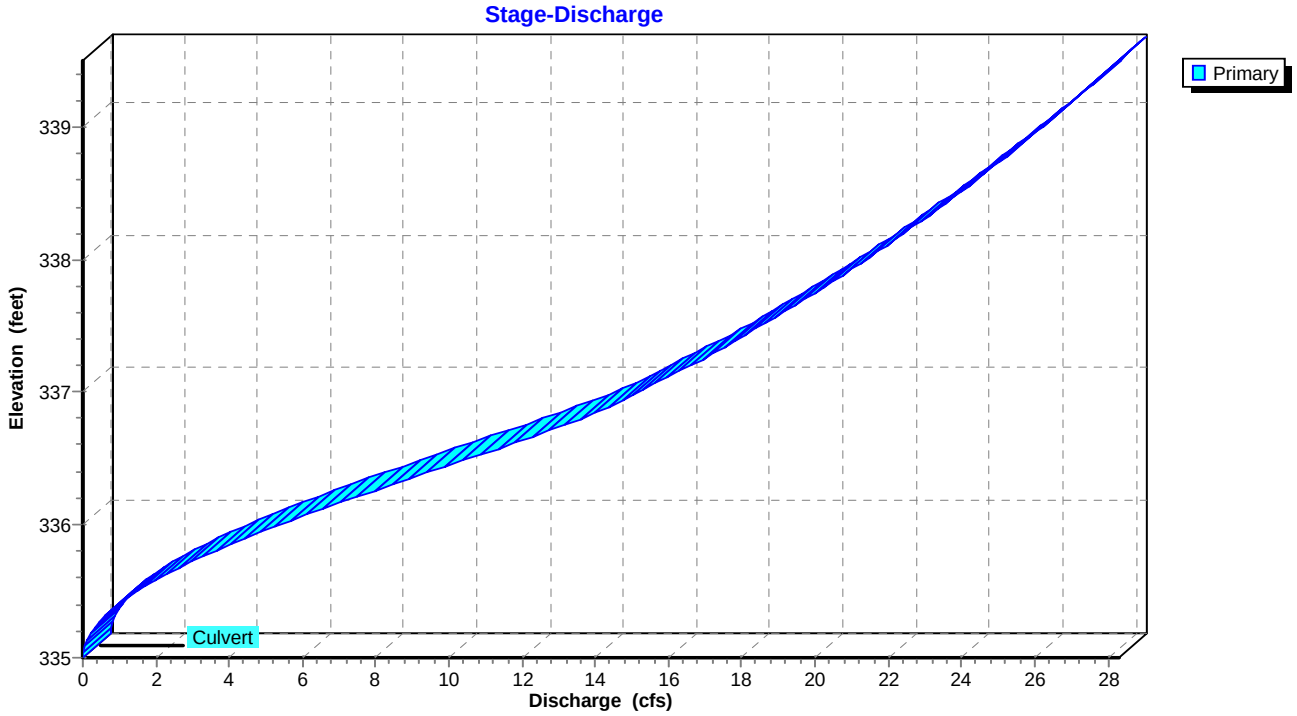
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=25.80 cfs @ 12.23 hrs HW=338.91' TW=334.18' (Dynamic Tailwater)
1=Culvert (Inlet Controls 25.80 cfs @ 8.21 fps)

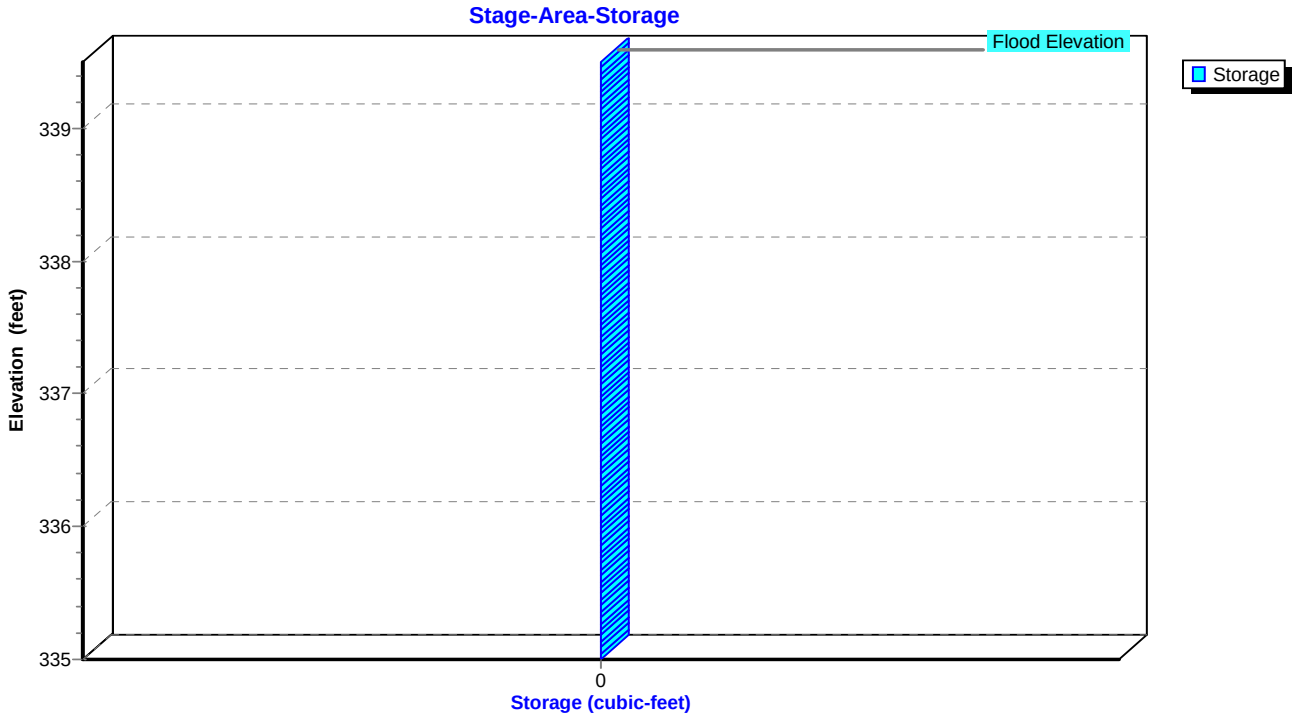
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.00	0.00
5.50	0.00	335.03	0.00
6.00	0.02	335.06	0.02
6.50	0.07	335.10	0.07
7.00	0.13	335.14	0.13
7.50	0.20	335.18	0.20
8.00	0.29	335.22	0.29
8.50	0.42	335.26	0.42
9.00	0.60	335.31	0.60
9.50	0.82	335.37	0.82
10.00	1.07	335.42	1.07
10.50	1.44	335.49	1.44
11.00	1.95	335.58	1.95
11.50	3.04	335.73	3.04
12.00	**12.38**	**336.68**	**12.38**
12.50	**17.50**	**337.34**	**17.50**
13.00	5.28	335.99	5.28
13.50	3.24	335.76	3.24
14.00	2.62	335.68	2.62
14.50	2.20	335.62	2.20
15.00	1.93	335.58	1.93
15.50	1.66	335.53	1.66
16.00	1.39	335.48	1.39
16.50	1.19	335.45	1.19
17.00	1.07	335.42	1.07
17.50	0.95	335.40	0.95
18.00	0.83	335.37	0.83
18.50	0.75	335.35	0.75
19.00	0.71	335.34	0.71
19.50	0.68	335.33	0.68
20.00	0.64	335.33	0.64
20.50	0.61	335.32	0.61
21.00	0.59	335.31	0.59
21.50	0.56	335.30	0.56
22.00	0.53	335.29	0.53
22.50	0.51	335.29	0.51
23.00	0.48	335.28	0.48
23.50	0.45	335.27	0.45
24.00	0.43	335.26	0.43

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

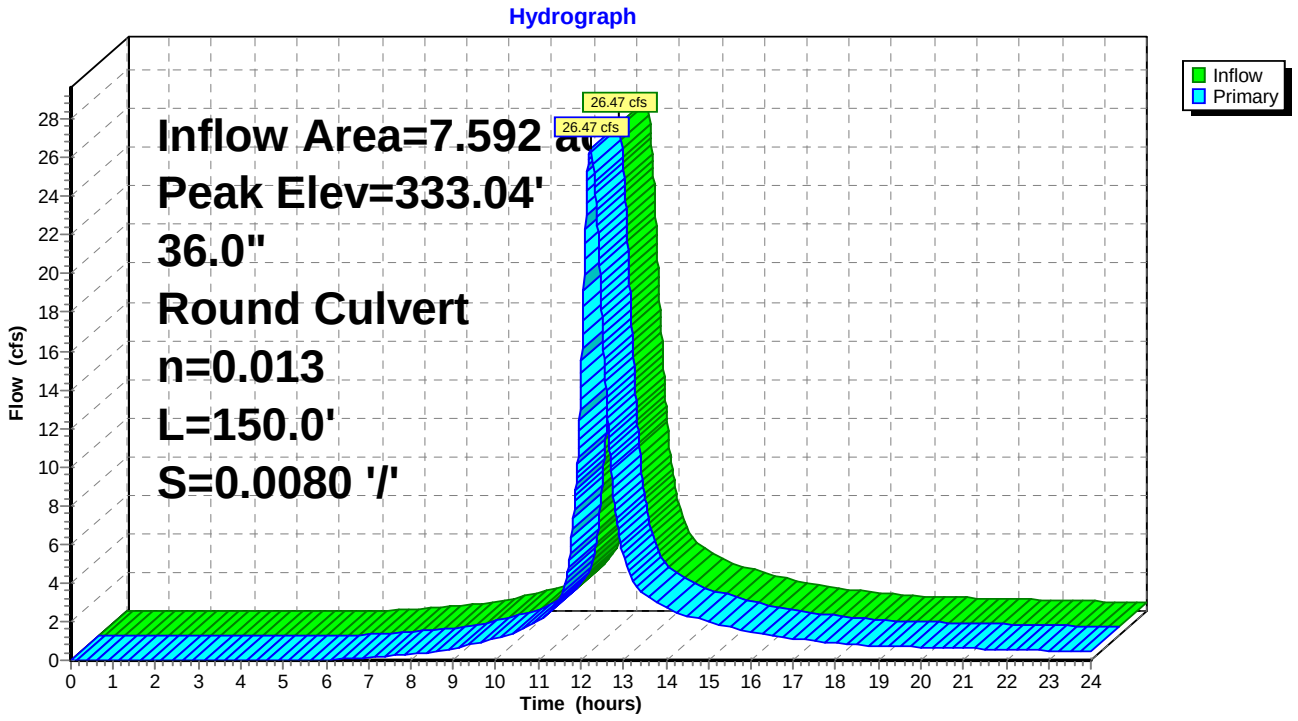
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 4.88" for 50-Year event
Inflow = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af
Outflow = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af, Atten= 0%, Lag= 0.0 min
Primary = 26.47 cfs @ 12.22 hrs, Volume= 3.089 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.04' @ 12.22 hrs
Flood Elev= 335.00'

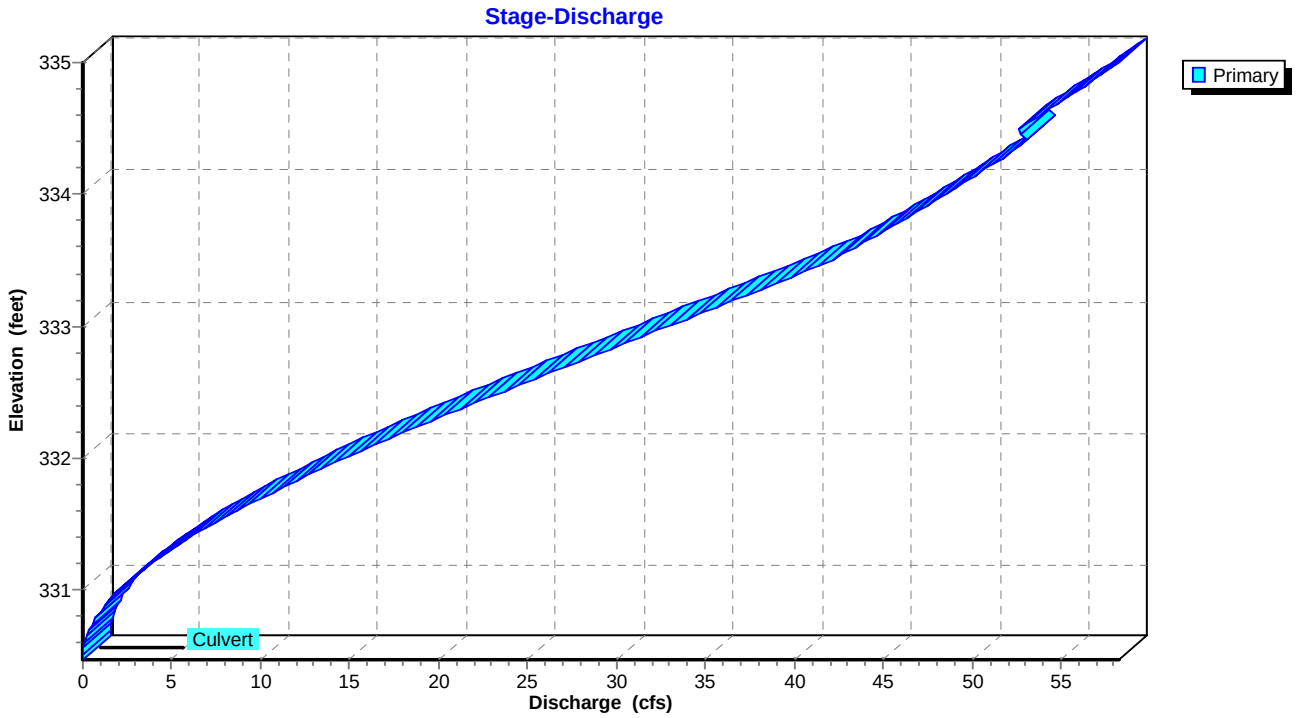
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.57 cfs @ 12.22 hrs HW=333.04' TW=331.90' (Dynamic Tailwater)
1=Culvert (Outlet Controls 26.57 cfs @ 5.53 fps)

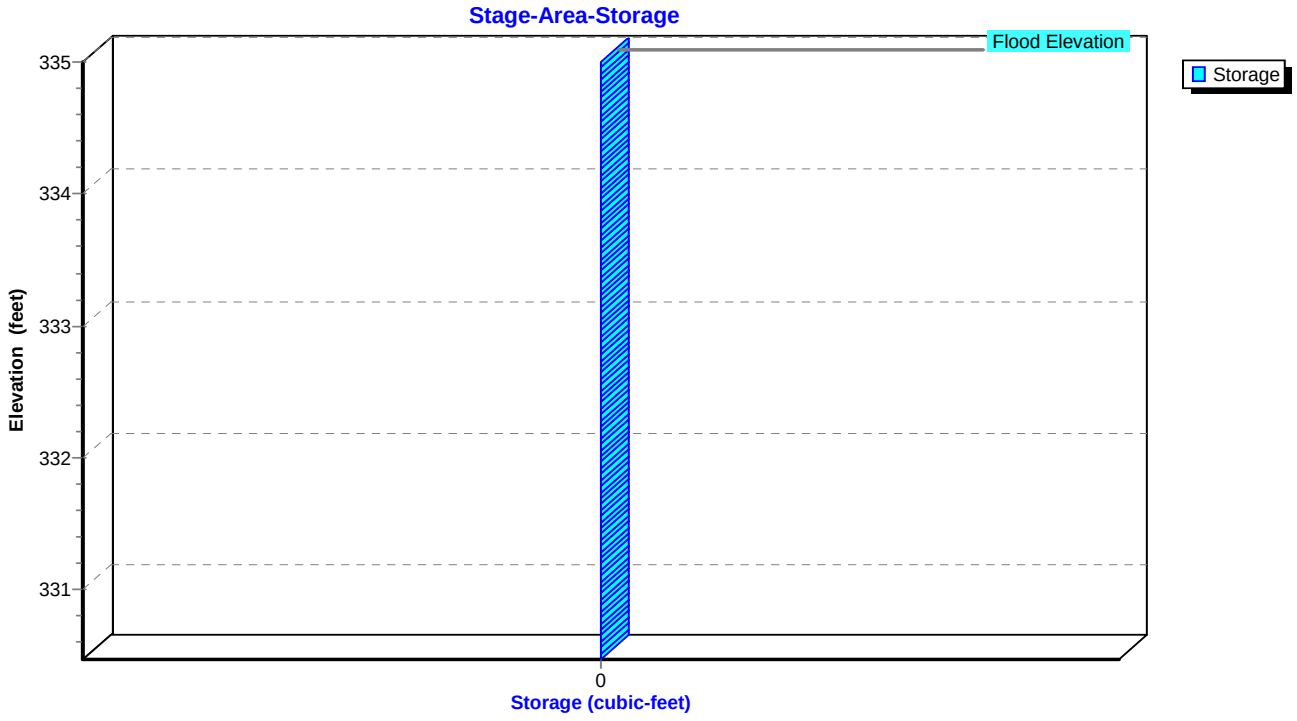
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.47	0.00
5.50	0.00	330.50	0.00
6.00	0.02	330.53	0.02
6.50	0.07	330.57	0.07
7.00	0.13	330.61	0.13
7.50	0.21	330.64	0.21
8.00	0.30	330.68	0.30
8.50	0.43	330.72	0.43
9.00	0.62	330.76	0.62
9.50	0.85	330.81	0.85
10.00	1.12	330.86	1.12
10.50	1.50	330.92	1.50
11.00	2.03	331.00	2.03
11.50	3.19	331.14	3.19
12.00	**14.19**	**332.07**	**14.19**
12.50	**17.74**	**332.34**	**17.74**
13.00	5.42	331.36	5.42
13.50	3.36	331.16	3.36
14.00	2.72	331.08	2.72
14.50	2.28	331.03	2.28
15.00	2.00	330.99	2.00
15.50	1.72	330.95	1.72
16.00	1.44	330.91	1.44
16.50	1.24	330.88	1.24
17.00	1.11	330.86	1.11
17.50	0.99	330.84	0.99
18.00	0.87	330.81	0.87
18.50	0.78	330.80	0.78
19.00	0.74	330.79	0.74
19.50	0.71	330.78	0.71
20.00	0.67	330.77	0.67
20.50	0.64	330.77	0.64
21.00	0.61	330.76	0.61
21.50	0.58	330.75	0.58
22.00	0.55	330.75	0.55
22.50	0.53	330.74	0.53
23.00	0.50	330.73	0.50
23.50	0.47	330.73	0.47
24.00	0.44	330.72	0.44

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

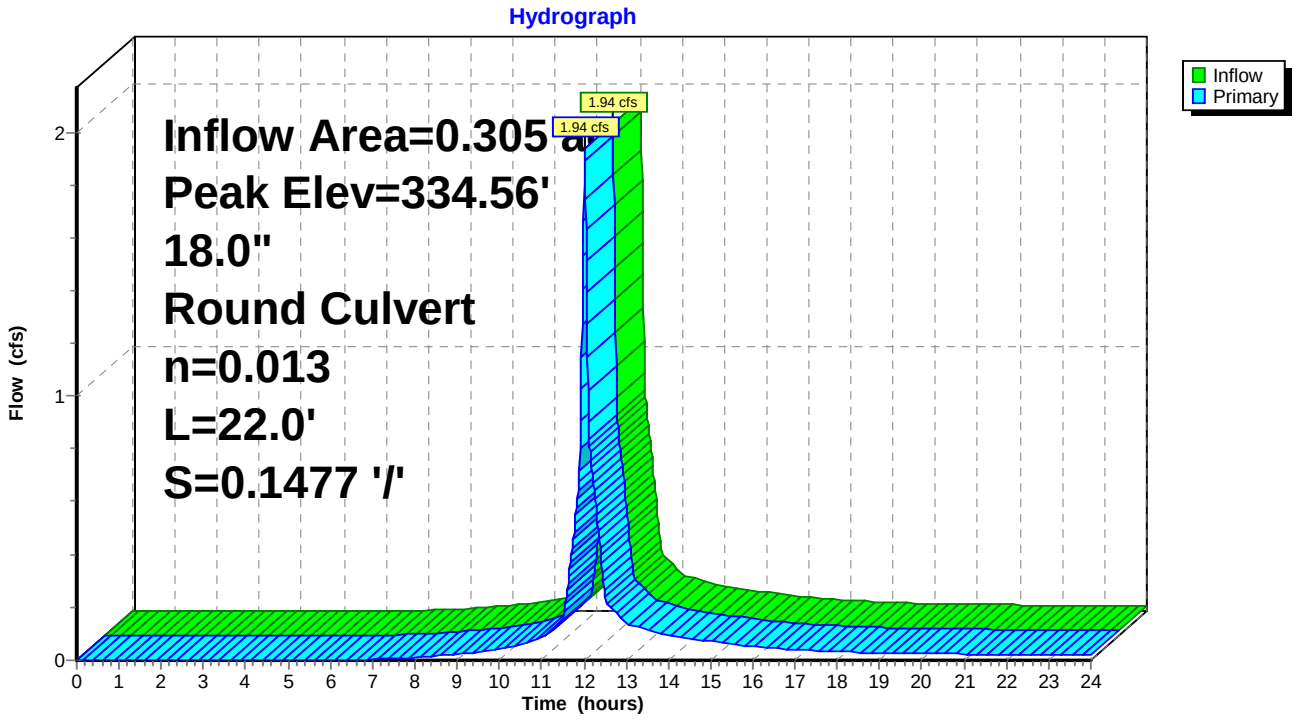
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af
Outflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af, Atten= 0%, Lag= 0.0 min
Primary = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.56' @ 12.02 hrs
Flood Elev= 336.50'

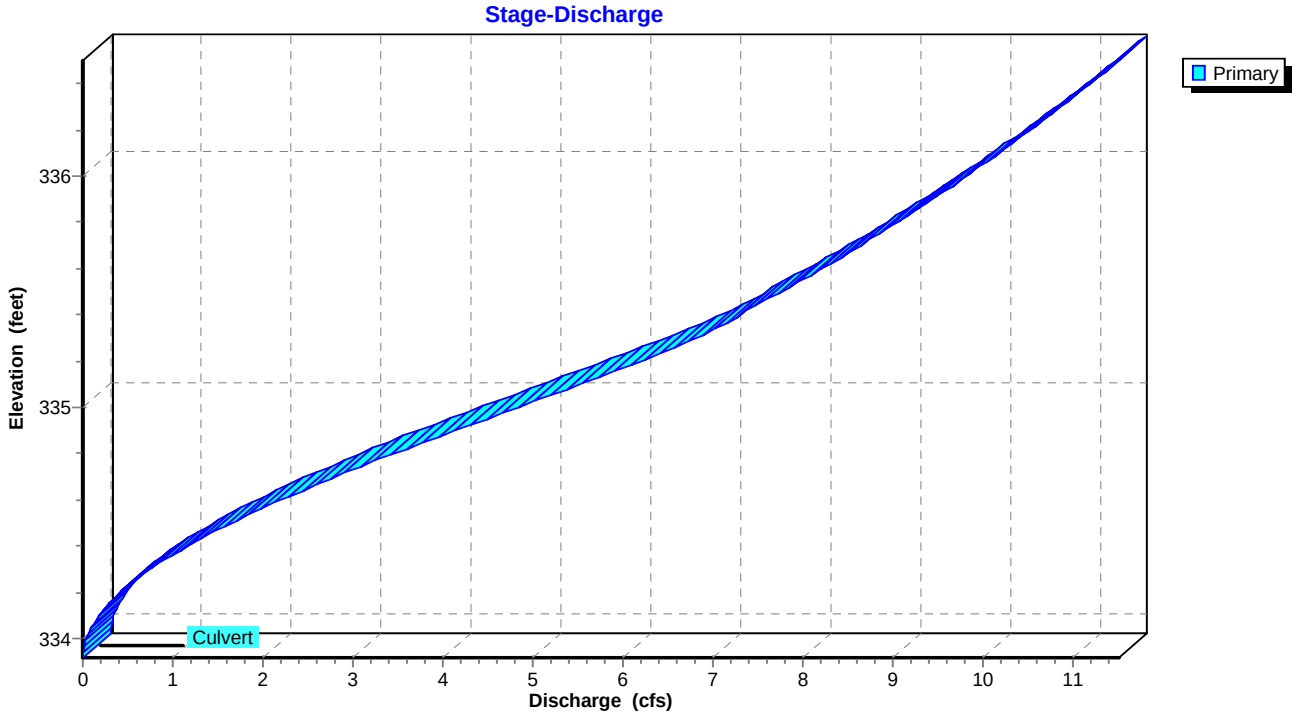
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.93 cfs @ 12.02 hrs HW=334.55' TW=332.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.93 cfs @ 2.71 fps)

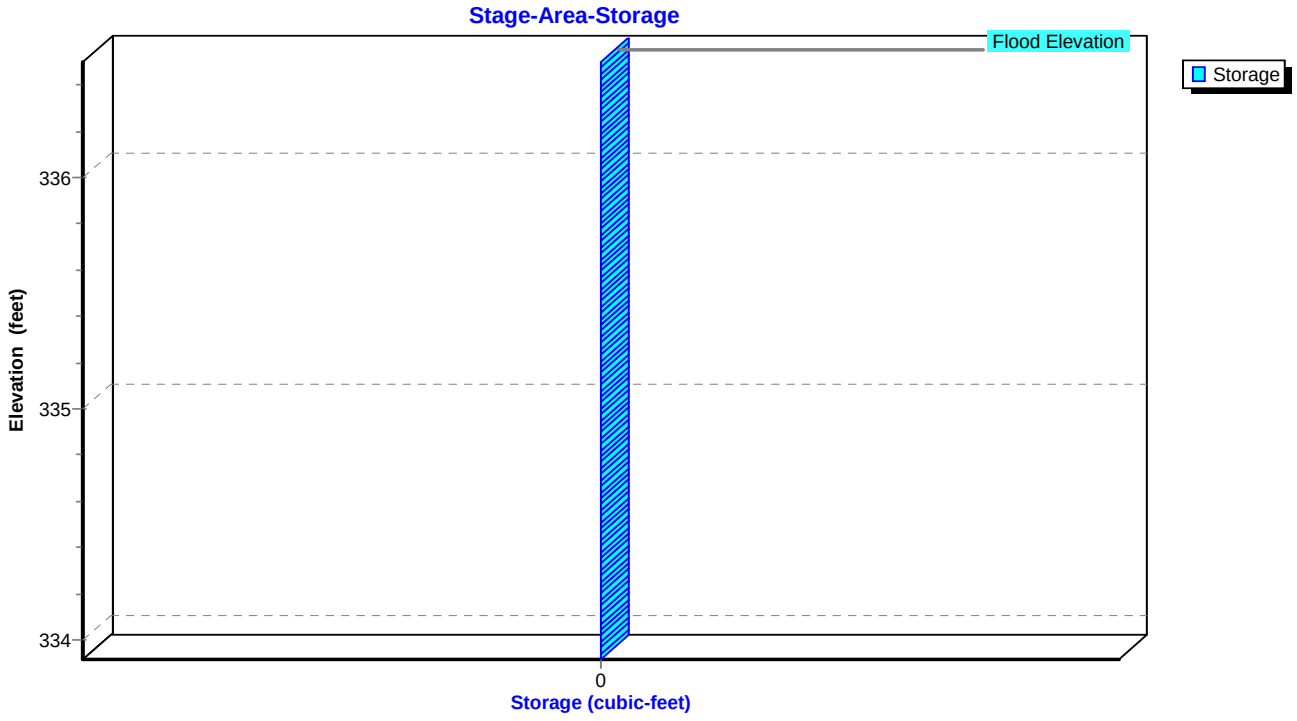
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.93	0.00
7.00	0.00	333.94	0.00
7.50	0.01	333.95	0.01
8.00	0.01	333.96	0.01
8.50	0.02	333.97	0.02
9.00	0.02	333.98	0.02
9.50	0.03	334.00	0.03
10.00	0.04	334.01	0.04
10.50	0.06	334.03	0.06
11.00	0.08	334.04	0.08
11.50	0.15	334.09	0.15
12.00	**1.81**	**334.53**	**1.81**
12.50	**0.24**	**334.13**	**0.24**
13.00	0.14	334.08	0.14
13.50	0.12	334.07	0.12
14.00	0.09	334.05	0.09
14.50	0.08	334.04	0.08
15.00	0.07	334.04	0.07
15.50	0.06	334.03	0.06
16.00	0.05	334.02	0.05
16.50	0.05	334.01	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.00	0.04
18.00	0.03	334.00	0.03
18.50	0.03	333.99	0.03
19.00	0.03	333.99	0.03
19.50	0.03	333.99	0.03
20.00	0.03	333.99	0.03
20.50	0.02	333.99	0.02
21.00	0.02	333.99	0.02
21.50	0.02	333.98	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

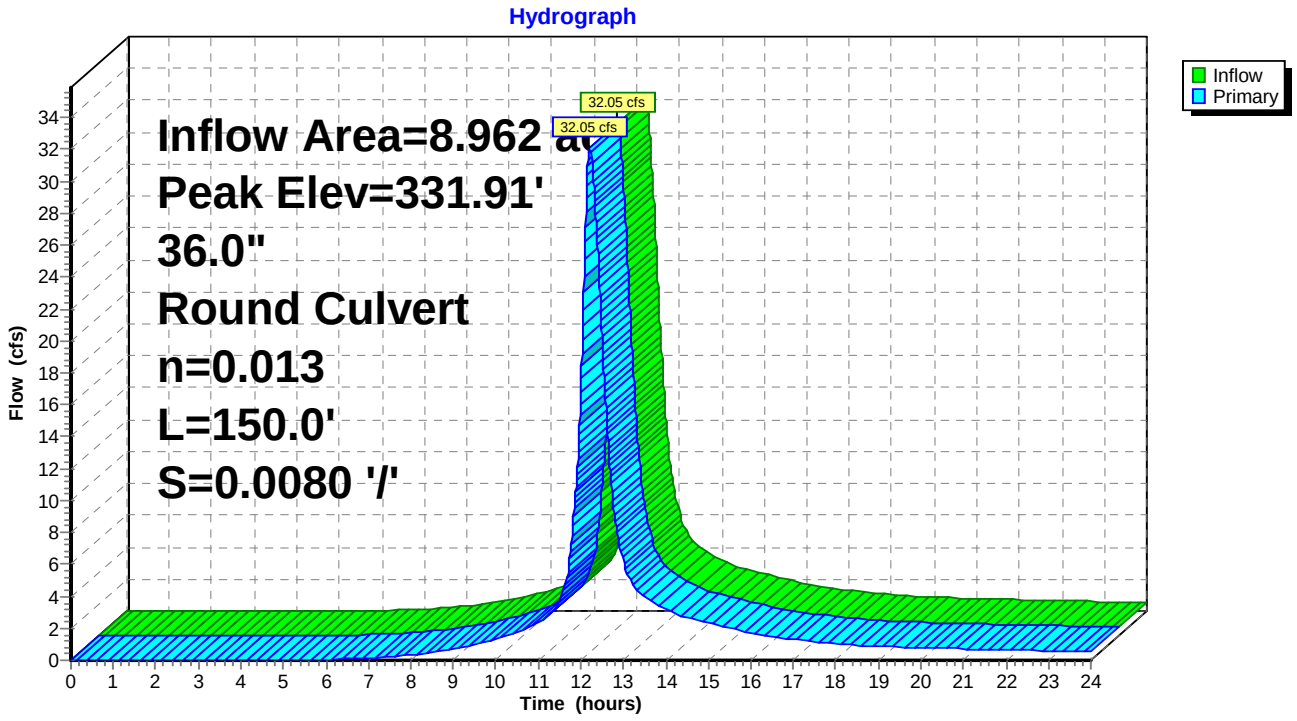
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 4.84" for 50-Year event
Inflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af
Outflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af, Atten= 0%, Lag= 0.0 min
Primary = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.91' @ 12.20 hrs
Flood Elev= 337.00'

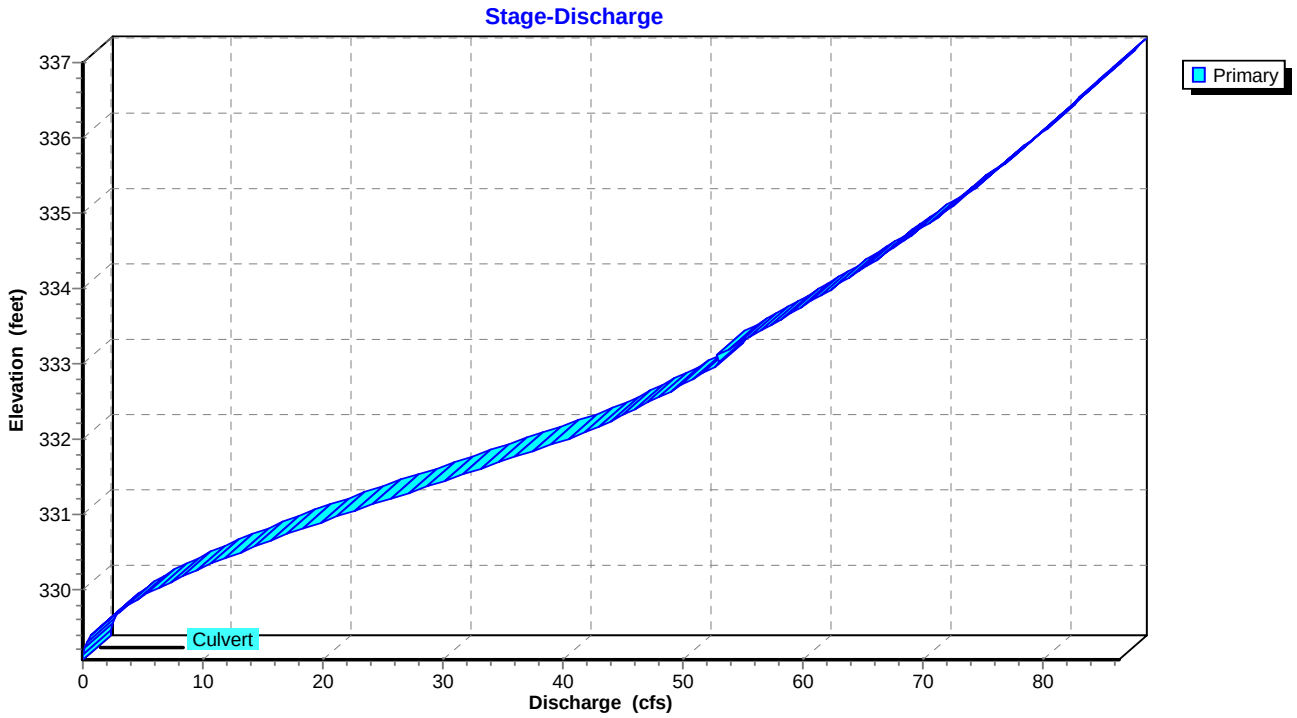
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=32.20 cfs @ 12.21 hrs HW=331.91' TW=330.59' (Dynamic Tailwater)
1=Culvert (Outlet Controls 32.20 cfs @ 6.00 fps)

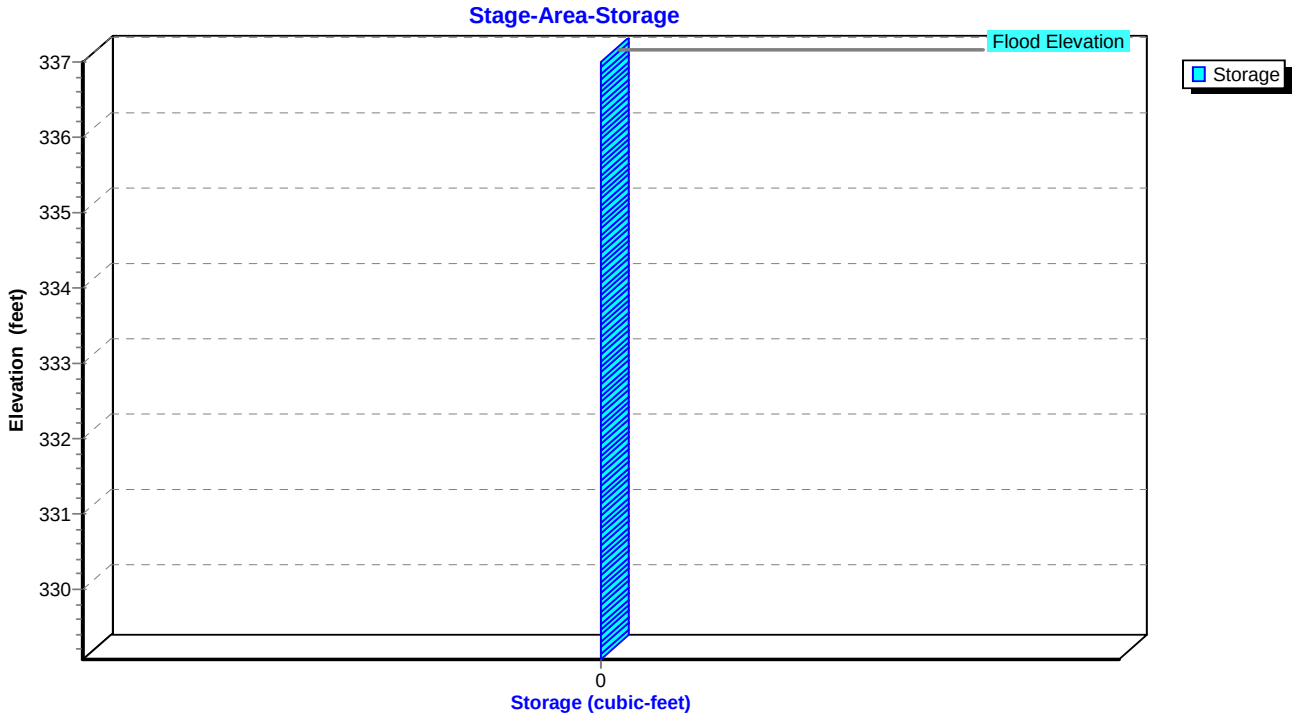
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.07	0.00
5.50	0.00	329.10	0.00
6.00	0.02	329.13	0.02
6.50	0.07	329.17	0.07
7.00	0.14	329.21	0.14
7.50	0.23	329.25	0.23
8.00	0.34	329.29	0.34
8.50	0.49	329.33	0.49
9.00	0.71	329.38	0.71
9.50	0.98	329.44	0.98
10.00	1.29	329.49	1.29
10.50	1.74	329.56	1.74
11.00	2.36	329.64	2.36
11.50	3.75	329.79	3.75
12.00	**16.82**	**330.84**	**16.82**
12.50	**20.27**	**331.07**	**20.27**
13.00	6.19	330.03	6.19
13.50	3.92	329.81	3.92
14.00	3.18	329.73	3.18
14.50	2.68	329.68	2.68
15.00	2.35	329.64	2.35
15.50	2.02	329.60	2.02
16.00	1.69	329.55	1.69
16.50	1.45	329.51	1.45
17.00	1.30	329.49	1.30
17.50	1.16	329.47	1.16
18.00	1.01	329.44	1.01
18.50	0.92	329.43	0.92
19.00	0.87	329.42	0.87
19.50	0.83	329.41	0.83
20.00	0.79	329.40	0.79
20.50	0.75	329.39	0.75
21.00	0.72	329.38	0.72
21.50	0.68	329.38	0.68
22.00	0.65	329.37	0.65
22.50	0.62	329.36	0.62
23.00	0.58	329.35	0.58
23.50	0.55	329.35	0.55
24.00	0.52	329.34	0.52

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

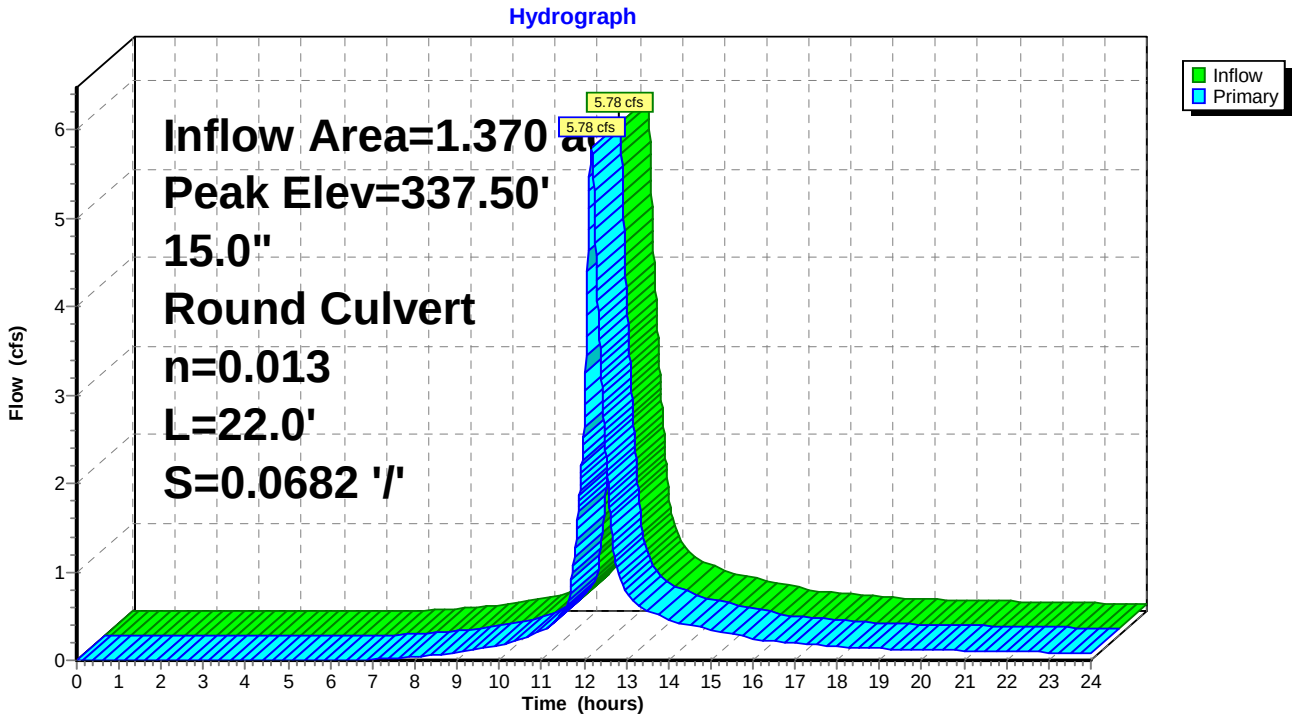
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 4.57" for 50-Year event
Inflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af
Outflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af, Atten= 0%, Lag= 0.0 min
Primary = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.50' @ 12.18 hrs
Flood Elev= 338.50'

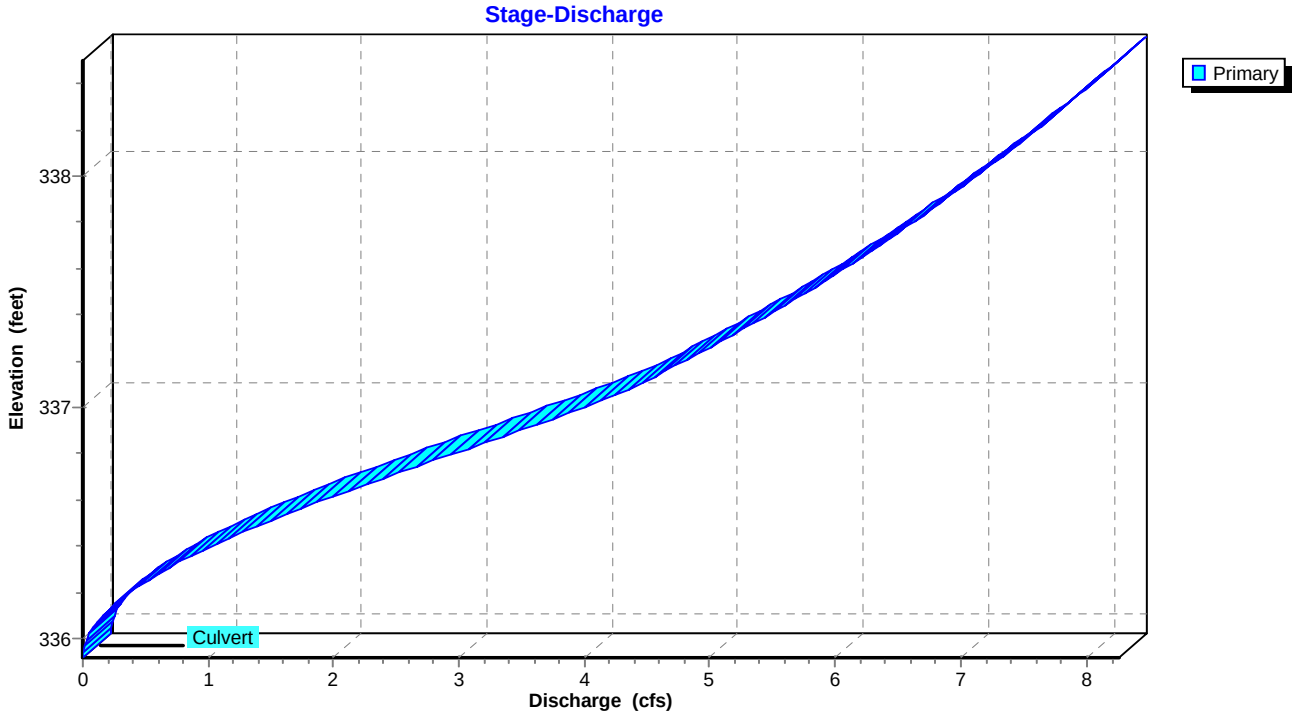
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.78 cfs @ 12.18 hrs HW=337.50' TW=331.90' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.78 cfs @ 4.71 fps)

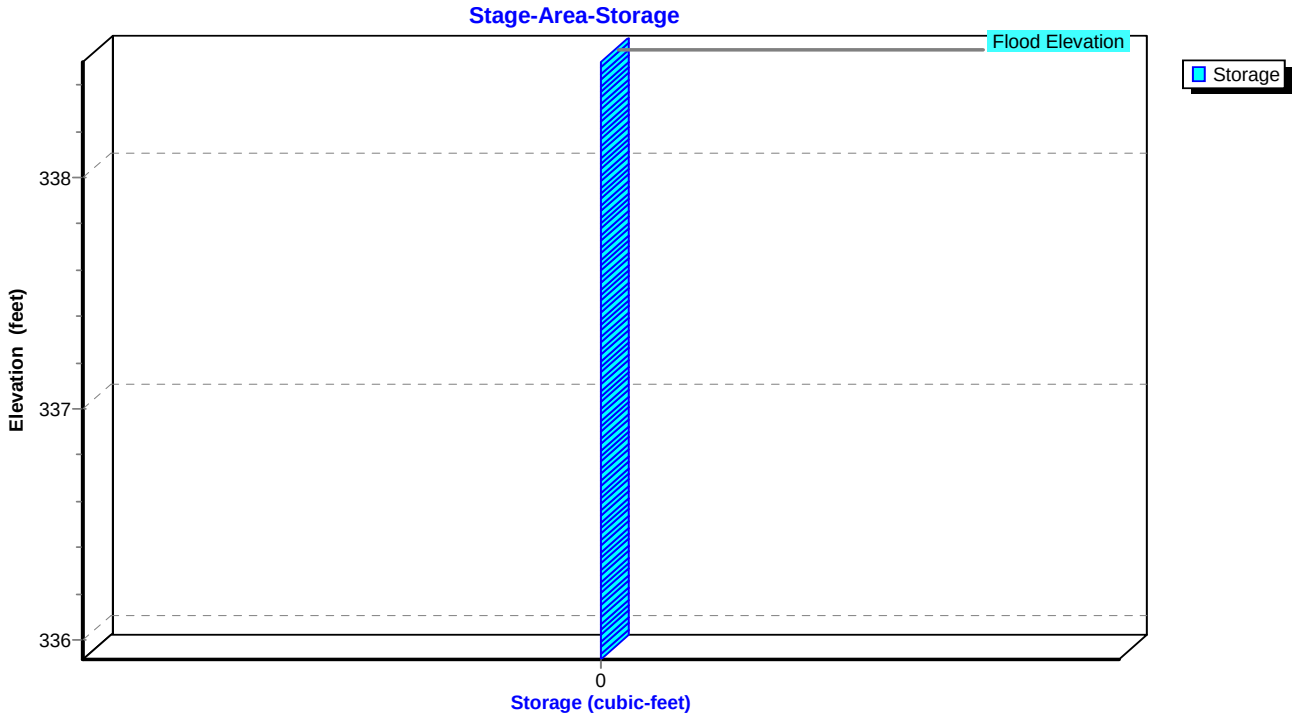
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.94	0.00
7.00	0.01	335.96	0.01
7.50	0.02	335.99	0.02
8.00	0.04	336.01	0.04
8.50	0.06	336.03	0.06
9.00	0.09	336.05	0.09
9.50	0.13	336.08	0.13
10.00	0.17	336.11	0.17
10.50	0.24	336.14	0.24
11.00	0.33	336.18	0.33
11.50	0.55	336.27	0.55
12.00	**2.63**	**336.74**	**2.63**
12.50	**2.52**	**336.72**	**2.52**
13.00	0.78	336.33	0.78
13.50	0.56	336.27	0.56
14.00	0.46	336.23	0.46
14.50	0.39	336.21	0.39
15.00	0.34	336.19	0.34
15.50	0.30	336.17	0.30
16.00	0.25	336.15	0.25
16.50	0.21	336.13	0.21
17.00	0.19	336.12	0.19
17.50	0.17	336.11	0.17
18.00	0.15	336.10	0.15
18.50	0.14	336.09	0.14
19.00	0.13	336.08	0.13
19.50	0.12	336.08	0.12
20.00	0.12	336.07	0.12
20.50	0.11	336.07	0.11
21.00	0.11	336.07	0.11
21.50	0.10	336.06	0.10
22.00	0.10	336.06	0.10
22.50	0.09	336.06	0.09
23.00	0.09	336.05	0.09
23.50	0.08	336.05	0.08
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

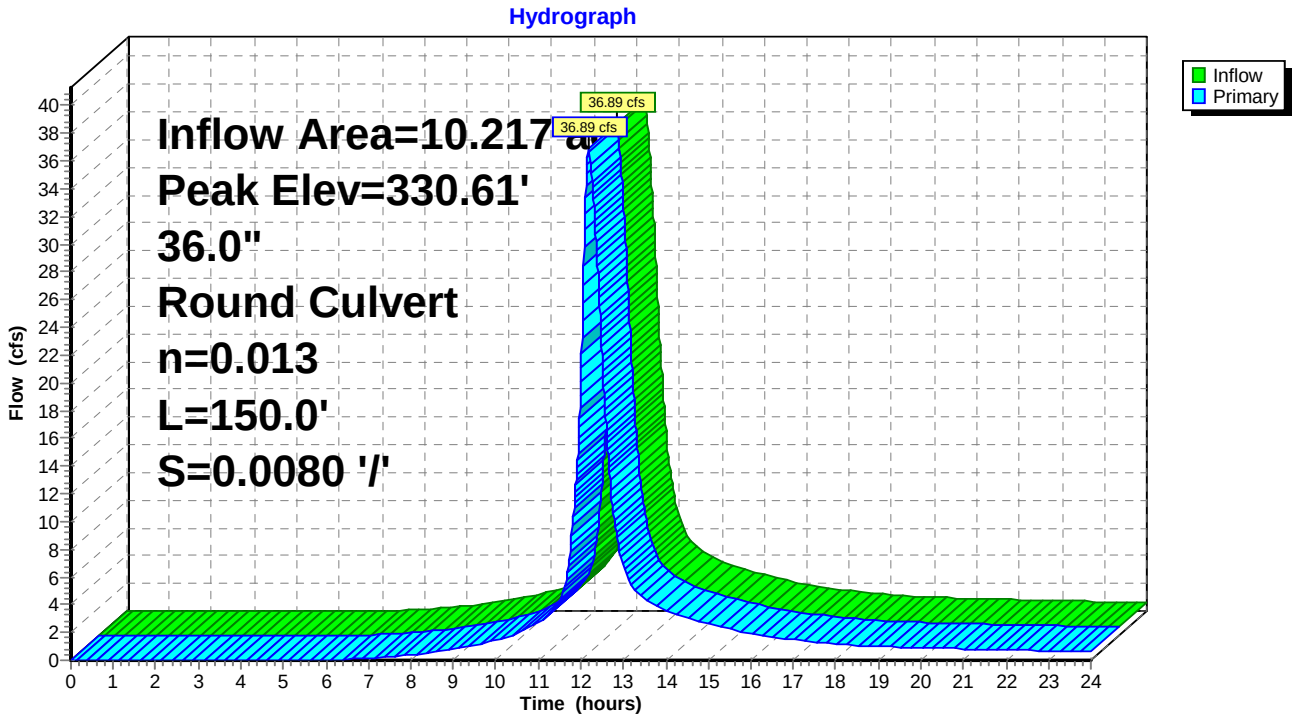
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af
Outflow = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af, Atten= 0%, Lag= 0.0 min
Primary = 36.89 cfs @ 12.18 hrs, Volume= 4.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.61' @ 12.18 hrs
Flood Elev= 335.75'

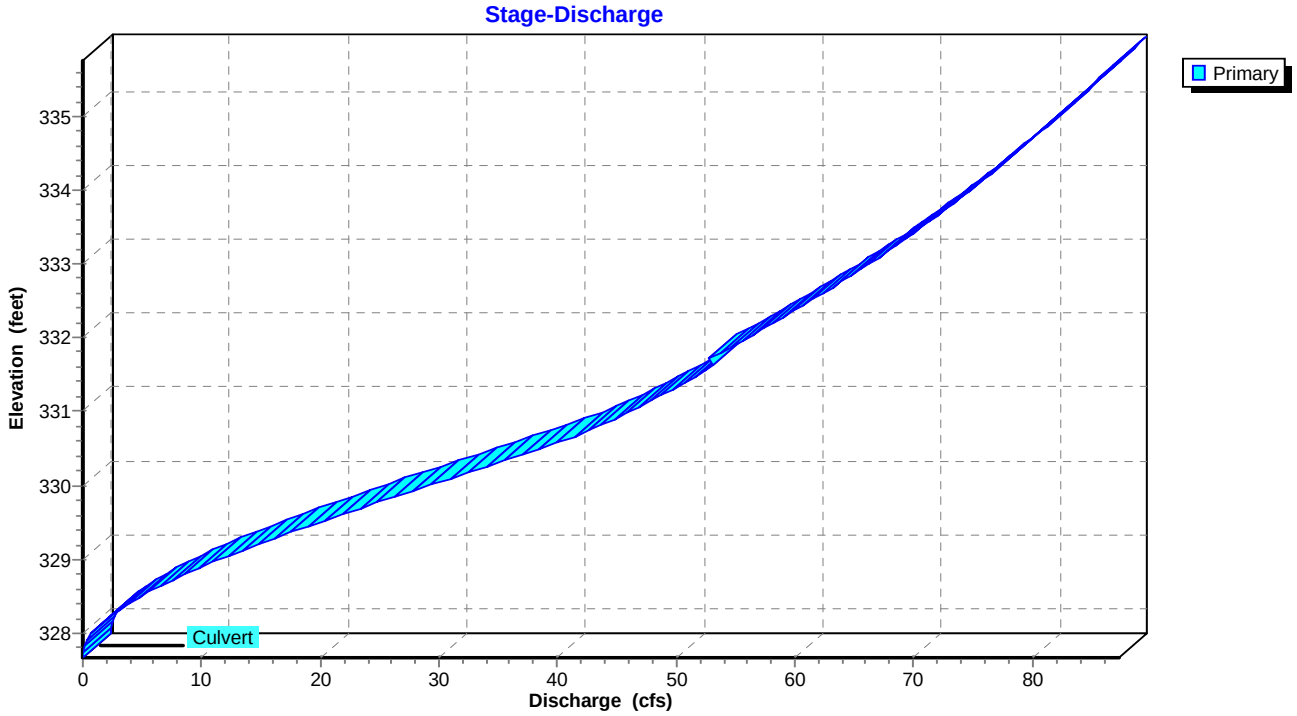
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=36.86 cfs @ 12.18 hrs HW=330.61' TW=329.01' (Dynamic Tailwater)
1=Culvert (Outlet Controls 36.86 cfs @ 6.62 fps)

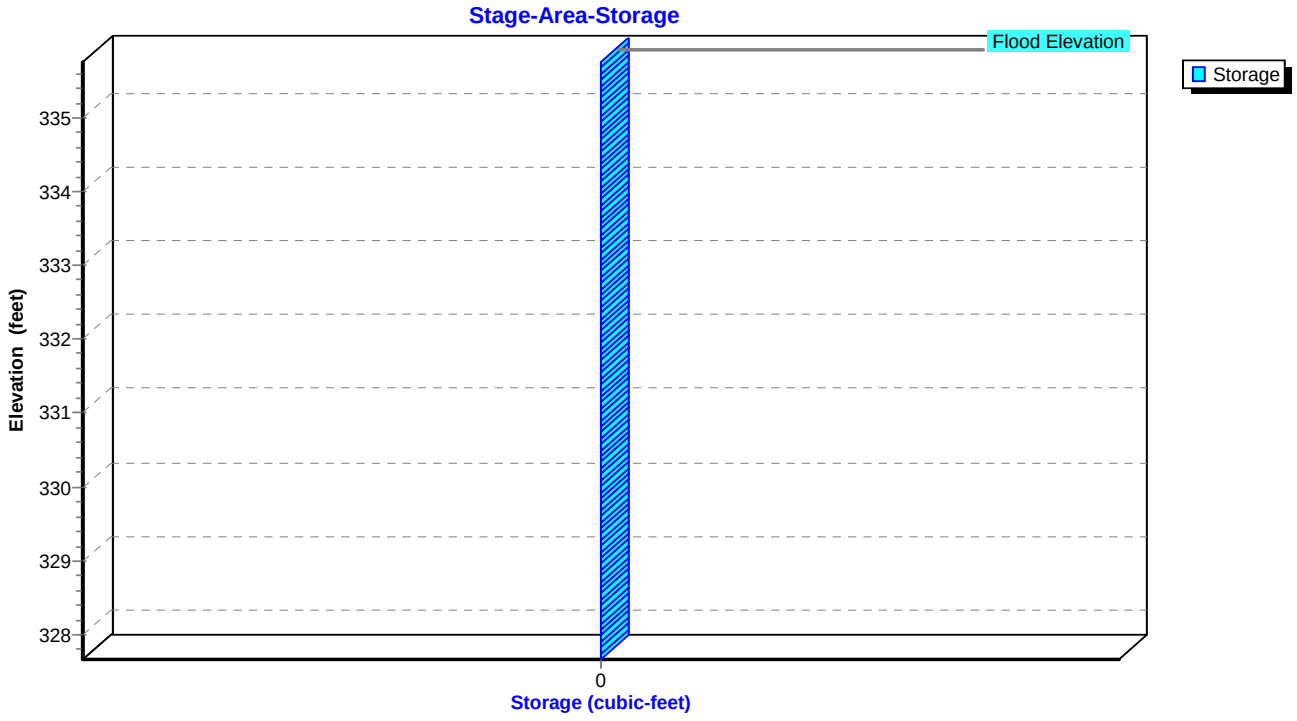
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.67	0.00
5.50	0.00	327.70	0.00
6.00	0.02	327.73	0.02
6.50	0.07	327.77	0.07
7.00	0.15	327.82	0.15
7.50	0.25	327.86	0.25
8.00	0.37	327.90	0.37
8.50	0.55	327.95	0.55
9.00	0.80	328.00	0.80
9.50	1.10	328.06	1.10
10.00	1.45	328.12	1.45
10.50	1.97	328.19	1.97
11.00	2.68	328.28	2.68
11.50	4.30	328.45	4.30
12.00	**20.04**	**329.60**	**20.04**
12.50	**22.02**	**329.70**	**22.02**
13.00	6.85	328.68	6.85
13.50	4.41	328.46	4.41
14.00	3.59	328.37	3.59
14.50	3.03	328.32	3.03
15.00	2.65	328.27	2.65
15.50	2.28	328.23	2.28
16.00	1.91	328.18	1.91
16.50	1.64	328.14	1.64
17.00	1.48	328.12	1.48
17.50	1.31	328.09	1.31
18.00	1.15	328.07	1.15
18.50	1.04	328.05	1.04
19.00	0.99	328.04	0.99
19.50	0.94	328.03	0.94
20.00	0.89	328.02	0.89
20.50	0.85	328.01	0.85
21.00	0.81	328.00	0.81
21.50	0.78	328.00	0.78
22.00	0.74	327.99	0.74
22.50	0.70	327.98	0.70
23.00	0.66	327.97	0.66
23.50	0.63	327.96	0.63
24.00	0.59	327.96	0.59

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

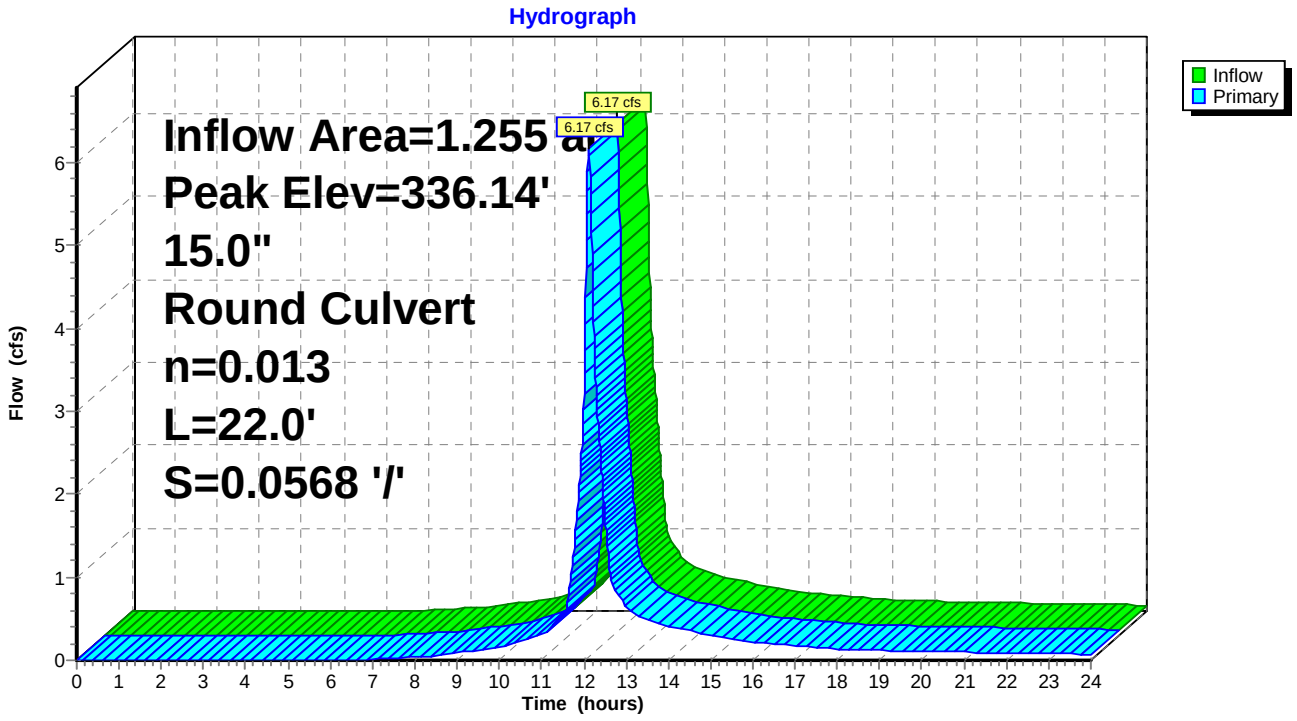
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af
Outflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af, Atten= 0%, Lag= 0.0 min
Primary = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.14' @ 12.12 hrs
Flood Elev= 337.00'

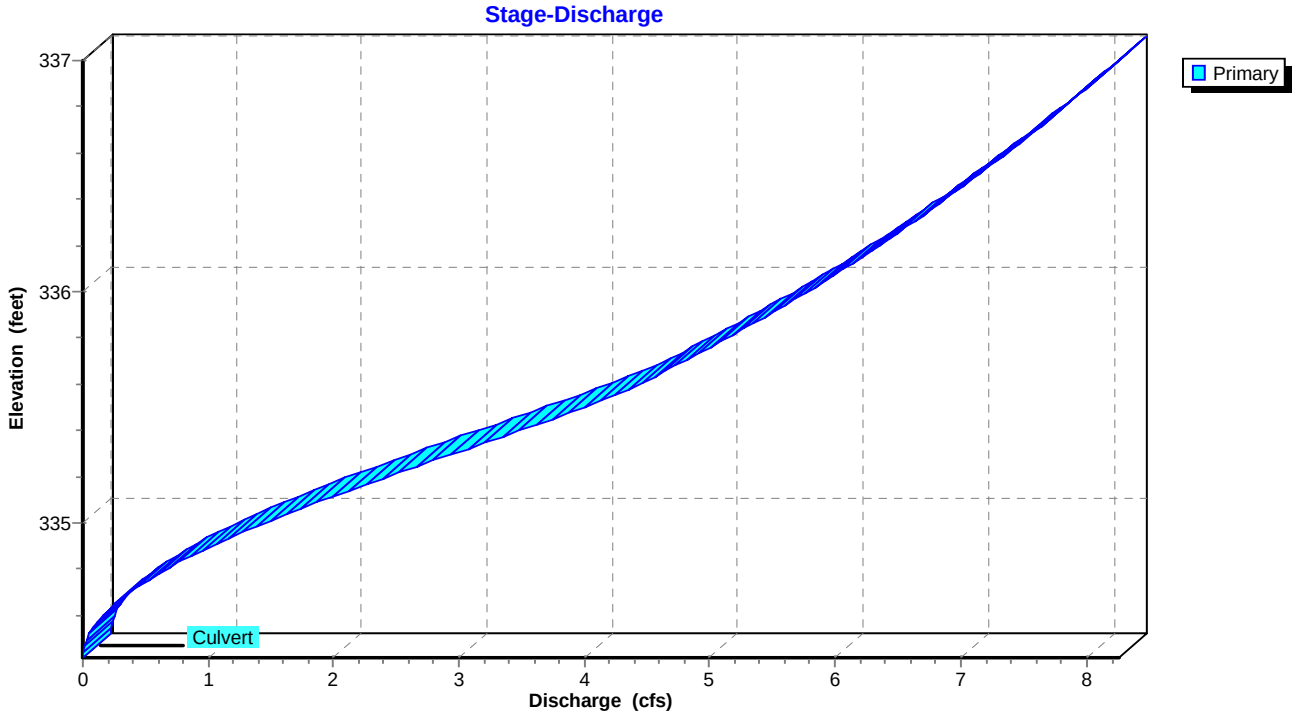
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.16 cfs @ 12.12 hrs HW=336.13' TW=330.42' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.16 cfs @ 5.02 fps)

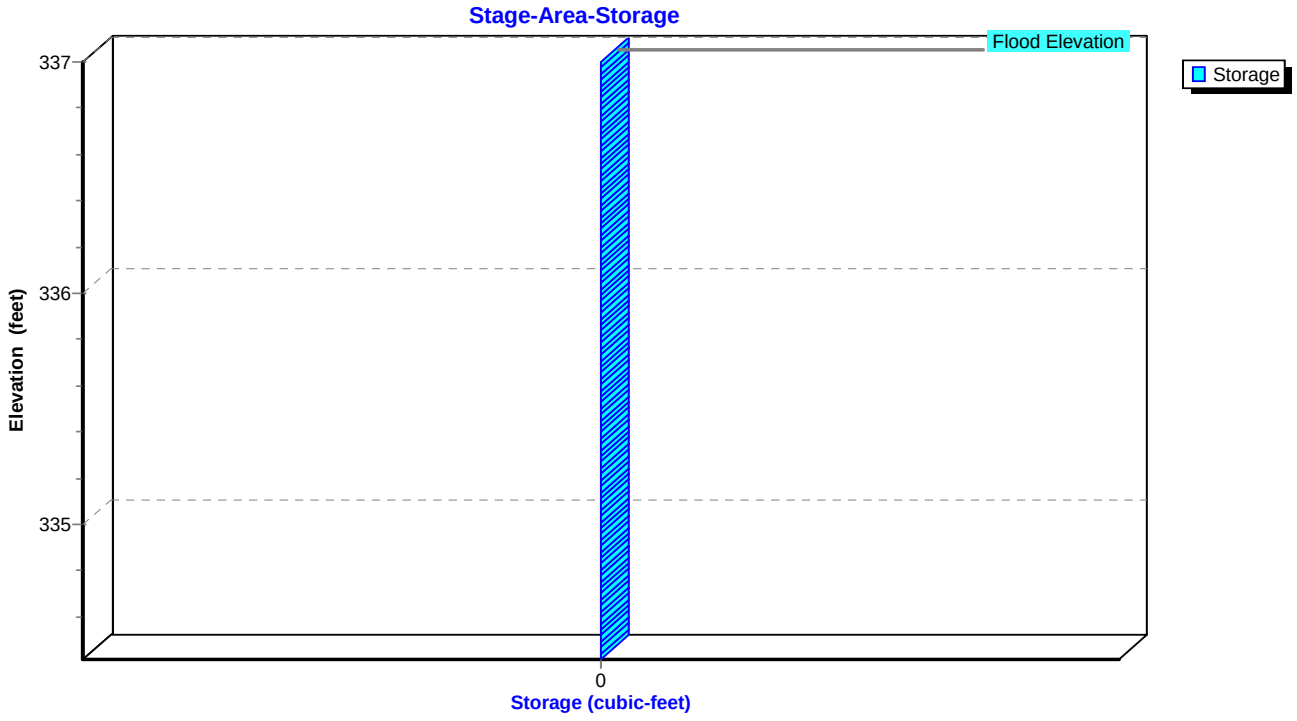
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.44	0.00
7.00	0.01	334.47	0.01
7.50	0.02	334.49	0.02
8.00	0.04	334.51	0.04
8.50	0.06	334.53	0.06
9.00	0.09	334.55	0.09
9.50	0.12	334.58	0.12
10.00	0.16	334.60	0.16
10.50	0.23	334.64	0.23
11.00	0.32	334.68	0.32
11.50	0.55	334.77	0.55
12.00	**3.22**	**335.35**	**3.22**
12.50	**1.76**	**335.07**	**1.76**
13.00	0.65	334.80	0.65
13.50	0.50	334.75	0.50
14.00	0.41	334.71	0.41
14.50	0.35	334.69	0.35
15.00	0.31	334.67	0.31
15.50	0.26	334.65	0.26
16.00	0.22	334.63	0.22
16.50	0.19	334.62	0.19
17.00	0.17	334.61	0.17
17.50	0.15	334.60	0.15
18.00	0.13	334.59	0.13
18.50	0.12	334.58	0.12
19.00	0.12	334.58	0.12
19.50	0.11	334.57	0.11
20.00	0.11	334.57	0.11
20.50	0.10	334.56	0.10
21.00	0.10	334.56	0.10
21.50	0.09	334.56	0.09
22.00	0.09	334.55	0.09
22.50	0.08	334.55	0.08
23.00	0.08	334.55	0.08
23.50	0.07	334.54	0.07
24.00	0.07	334.54	0.07

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

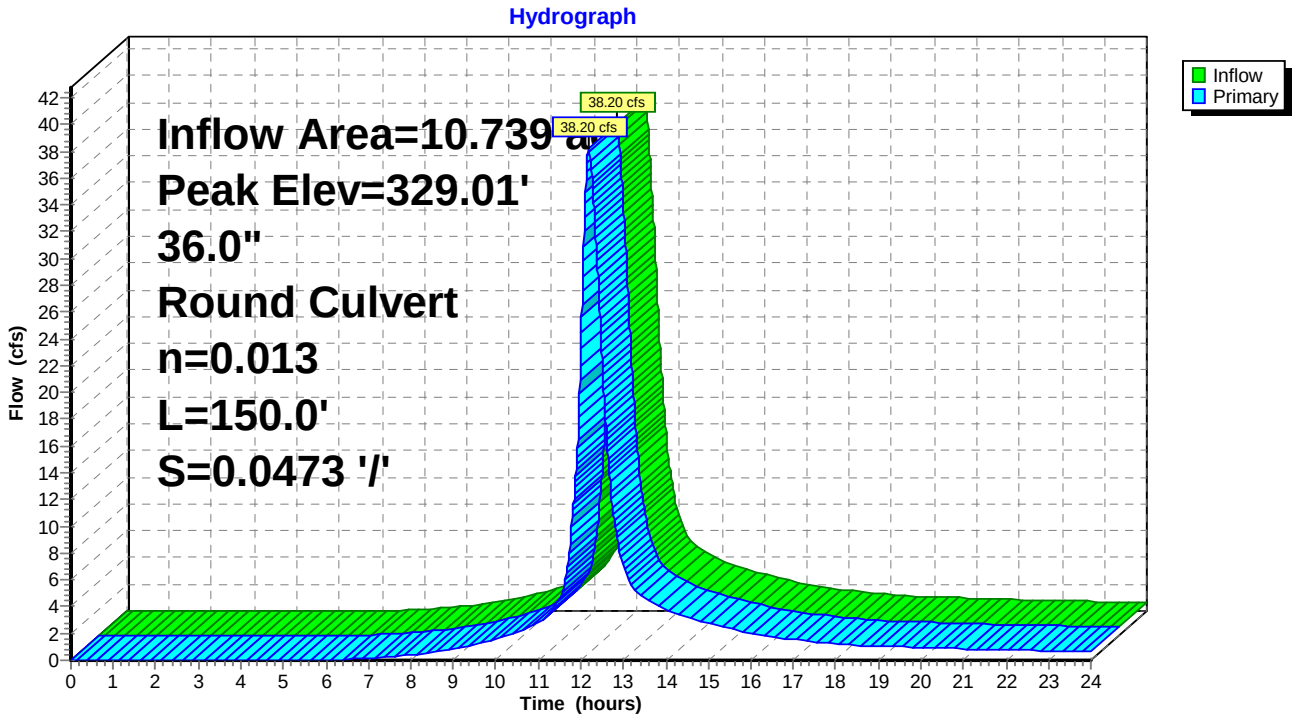
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af
Outflow = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af, Atten= 0%, Lag= 0.0 min
Primary = 38.20 cfs @ 12.18 hrs, Volume= 4.299 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.01' @ 12.18 hrs
Flood Elev= 332.25'

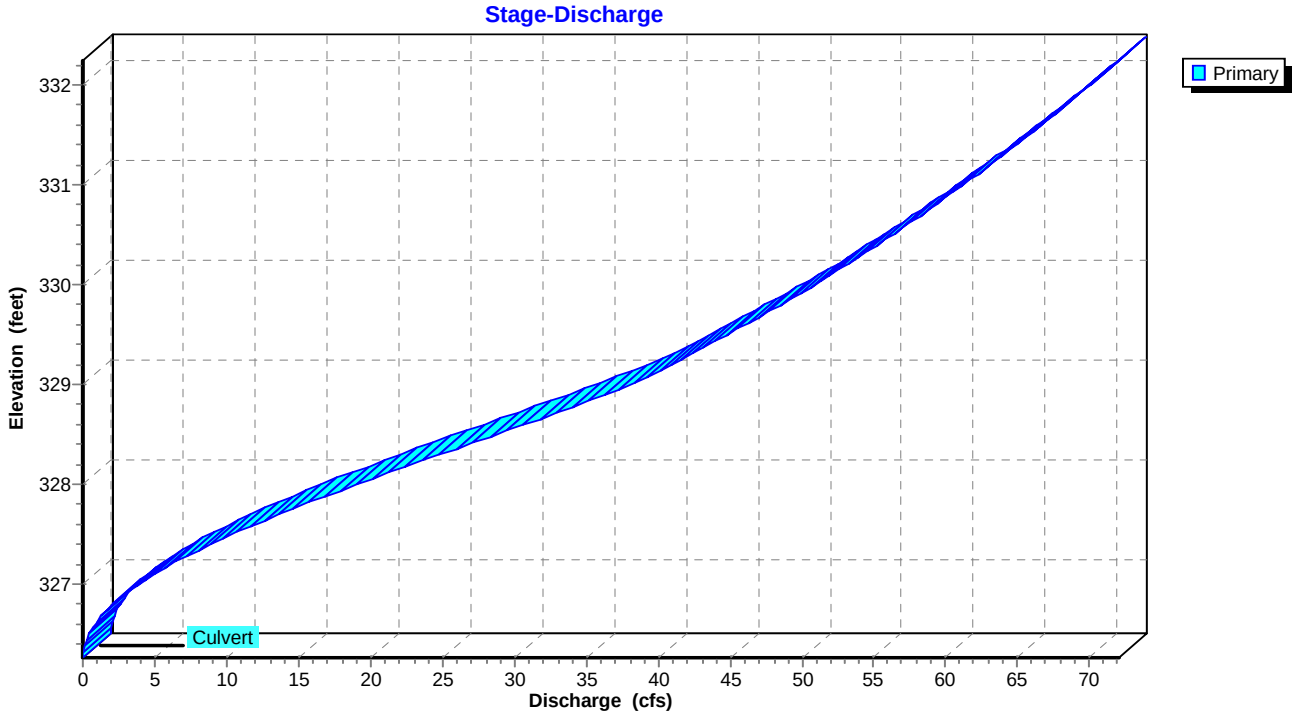
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=38.19 cfs @ 12.18 hrs HW=329.01' TW=321.91' (Dynamic Tailwater)
1=Culvert (Inlet Controls 38.19 cfs @ 5.64 fps)

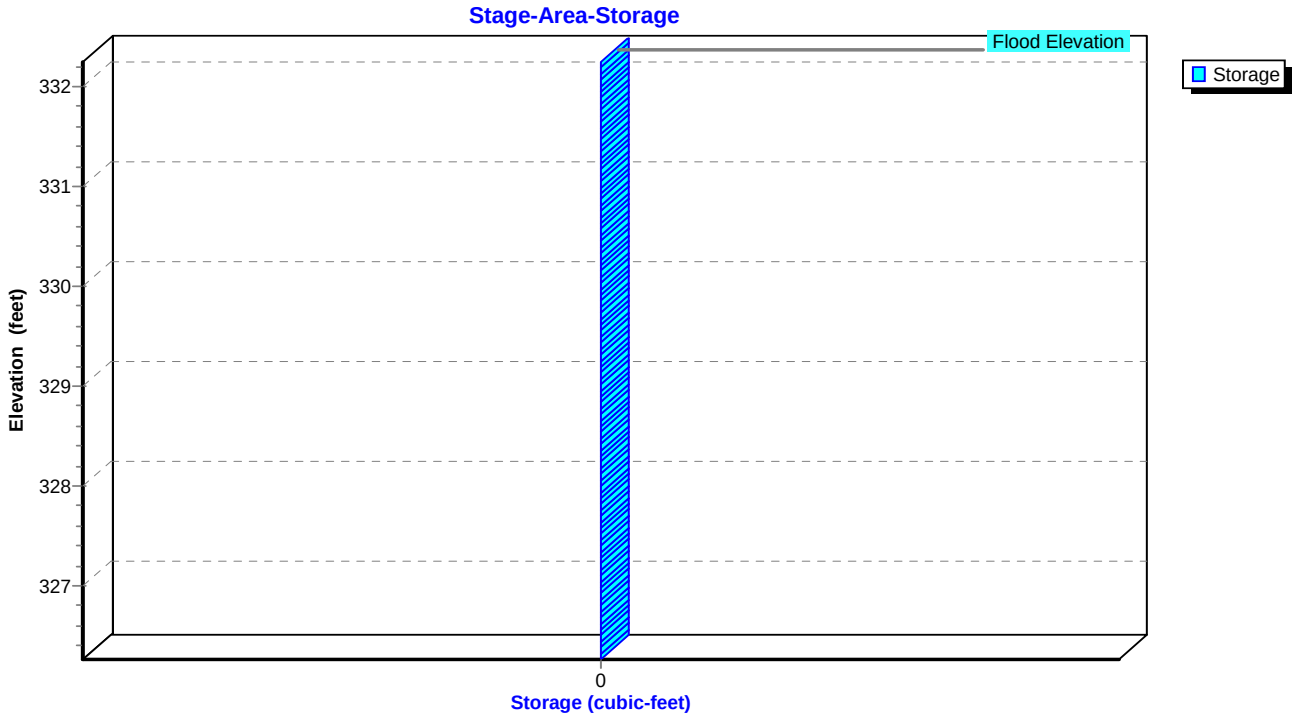
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.27	0.00
5.50	0.00	326.29	0.00
6.00	0.03	326.33	0.03
6.50	0.08	326.37	0.08
7.00	0.16	326.41	0.16
7.50	0.27	326.46	0.27
8.00	0.39	326.50	0.39
8.50	0.58	326.55	0.58
9.00	0.84	326.60	0.84
9.50	1.16	326.66	1.16
10.00	1.54	326.72	1.54
10.50	2.08	326.80	2.08
11.00	2.83	326.89	2.83
11.50	4.58	327.07	4.58
12.00	**23.23**	**328.23**	**23.23**
12.50	**22.46**	**328.19**	**22.46**
13.00	7.09	327.28	7.09
13.50	4.62	327.07	4.62
14.00	3.75	326.99	3.75
14.50	3.17	326.93	3.17
15.00	2.78	326.88	2.78
15.50	2.39	326.84	2.39
16.00	2.00	326.79	2.00
16.50	1.72	326.75	1.72
17.00	1.55	326.72	1.55
17.50	1.37	326.70	1.37
18.00	1.20	326.67	1.20
18.50	1.09	326.65	1.09
19.00	1.04	326.64	1.04
19.50	0.99	326.63	0.99
20.00	0.94	326.62	0.94
20.50	0.89	326.61	0.89
21.00	0.85	326.61	0.85
21.50	0.81	326.60	0.81
22.00	0.78	326.59	0.78
22.50	0.74	326.58	0.74
23.00	0.70	326.57	0.70
23.50	0.66	326.56	0.66
24.00	0.62	326.55	0.62

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

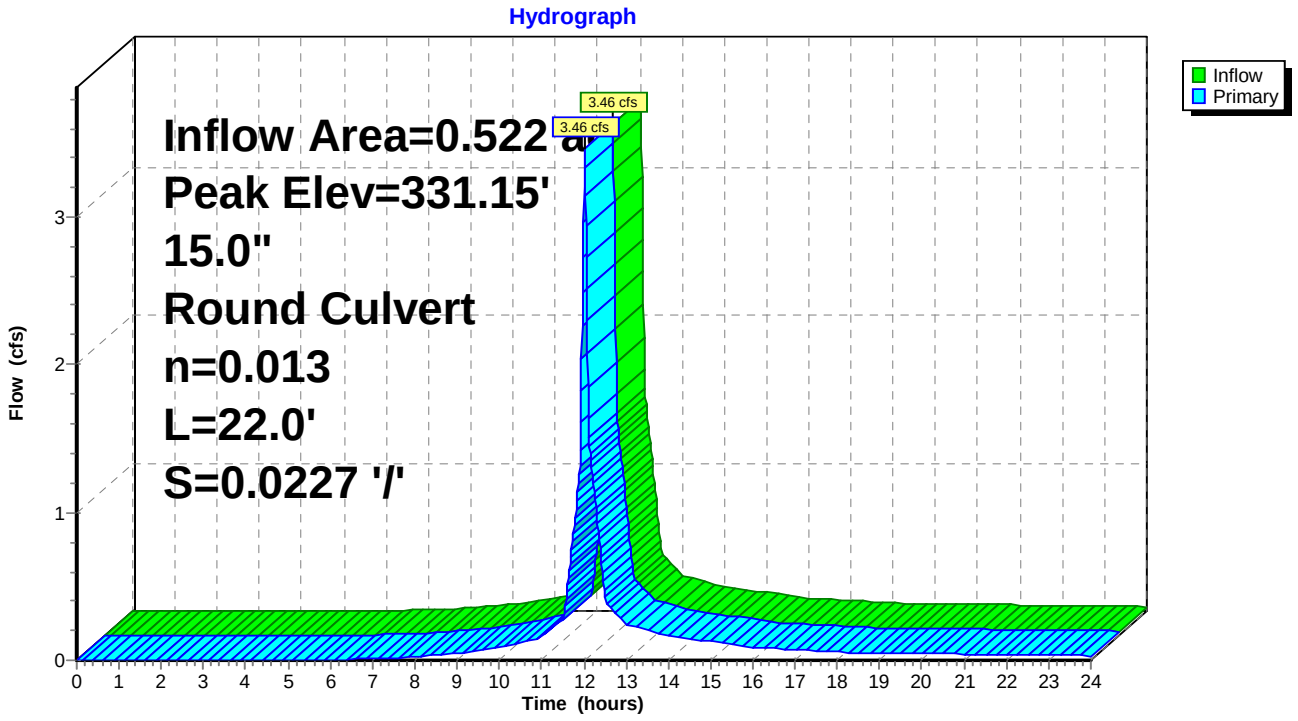
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.15' @ 12.02 hrs
Flood Elev= 332.80'

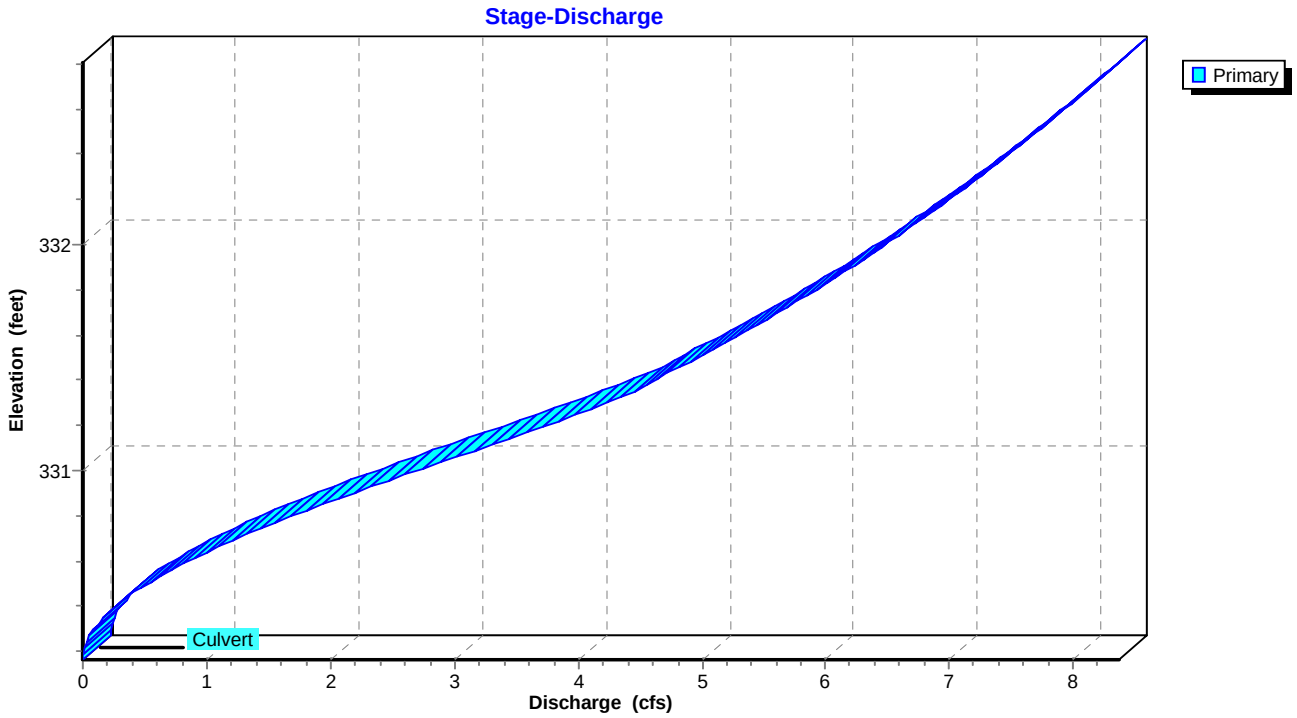
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.44 cfs @ 12.02 hrs HW=331.14' TW=328.33' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.44 cfs @ 3.36 fps)

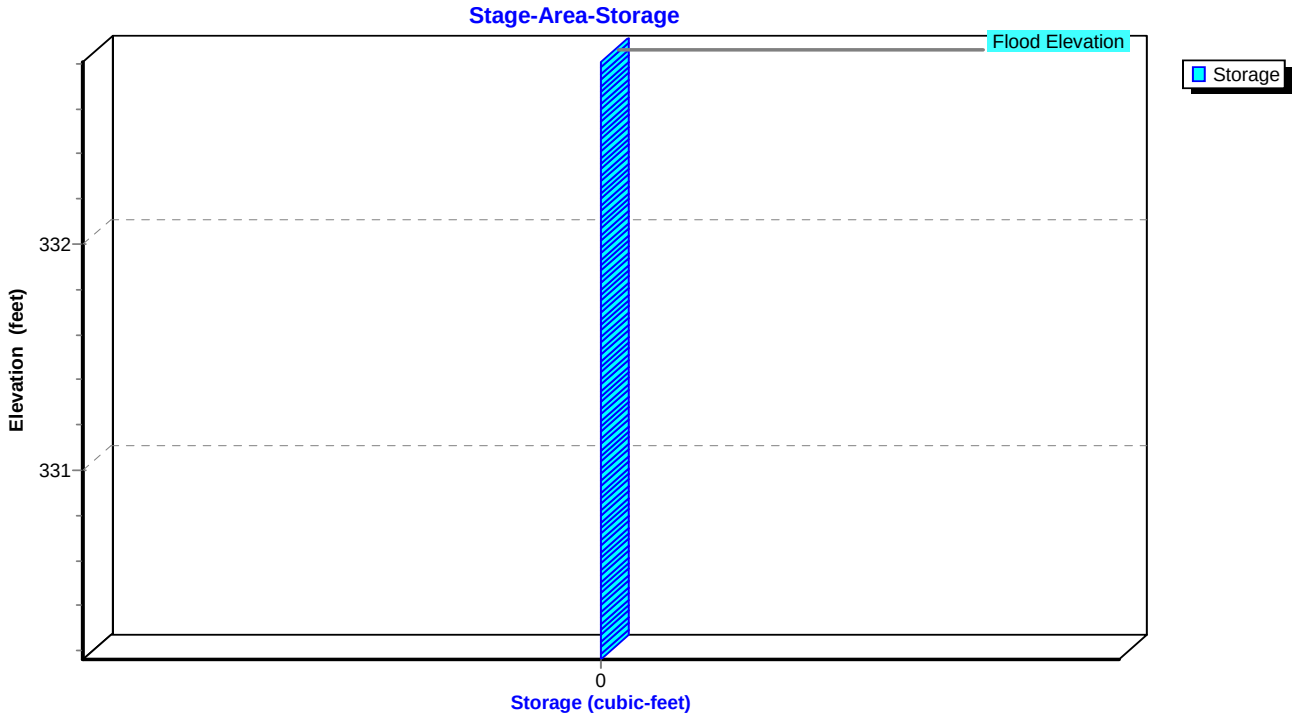
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.19	0.00
6.50	0.01	330.20	0.01
7.00	0.01	330.21	0.01
7.50	0.02	330.23	0.02
8.00	0.02	330.24	0.02
8.50	0.03	330.25	0.03
9.00	0.05	330.27	0.05
9.50	0.06	330.28	0.06
10.00	0.08	330.30	0.08
10.50	0.12	330.32	0.12
11.00	0.16	330.35	0.16
11.50	0.28	330.41	0.28
12.00	**3.19**	**331.10**	**3.19**
12.50	**0.43**	**330.47**	**0.43**
13.00	0.24	330.40	0.24
13.50	0.20	330.38	0.20
14.00	0.16	330.35	0.16
14.50	0.15	330.34	0.15
15.00	0.13	330.33	0.13
15.50	0.11	330.32	0.11
16.00	0.09	330.30	0.09
16.50	0.08	330.30	0.08
17.00	0.07	330.29	0.07
17.50	0.06	330.28	0.06
18.00	0.05	330.28	0.05
18.50	0.05	330.27	0.05
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.04	330.26	0.04
20.50	0.04	330.26	0.04
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.03	330.25	0.03
23.00	0.03	330.25	0.03
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

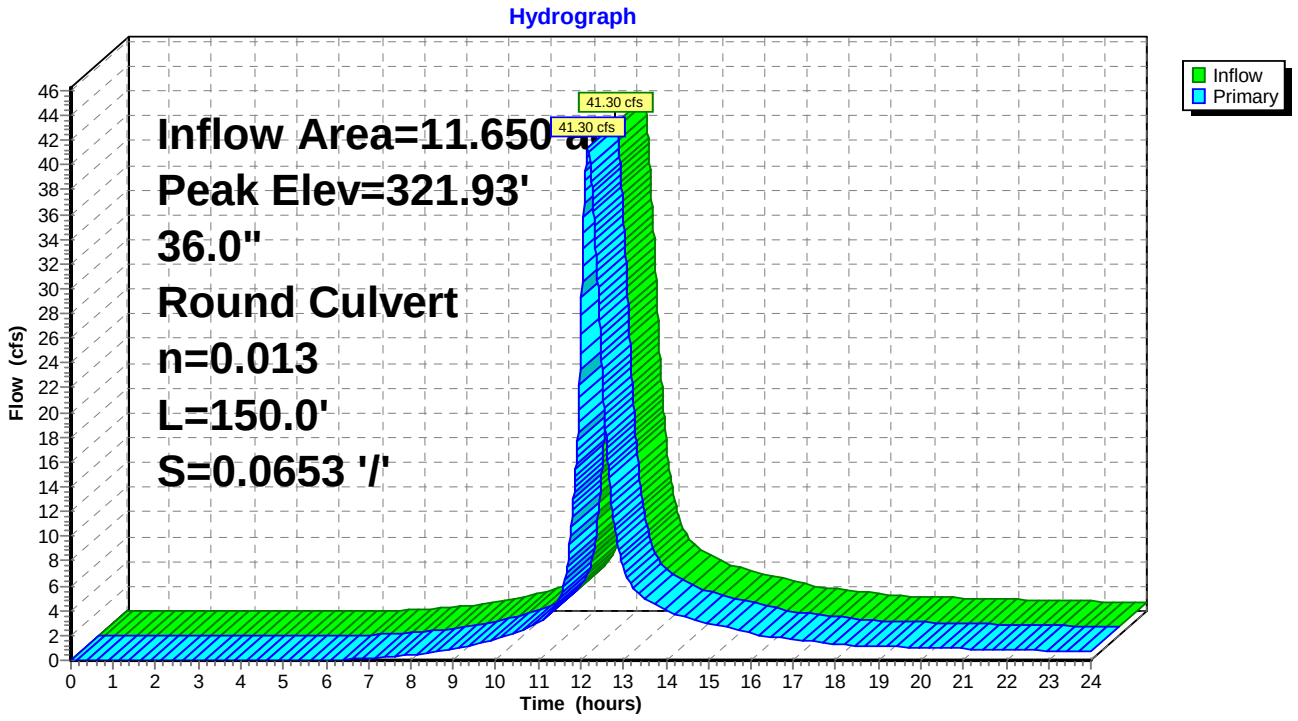
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 4.78" for 50-Year event
Inflow = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af
Outflow = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af, Atten= 0%, Lag= 0.0 min
Primary = 41.30 cfs @ 12.16 hrs, Volume= 4.638 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.93' @ 12.16 hrs
Flood Elev= 338.50'

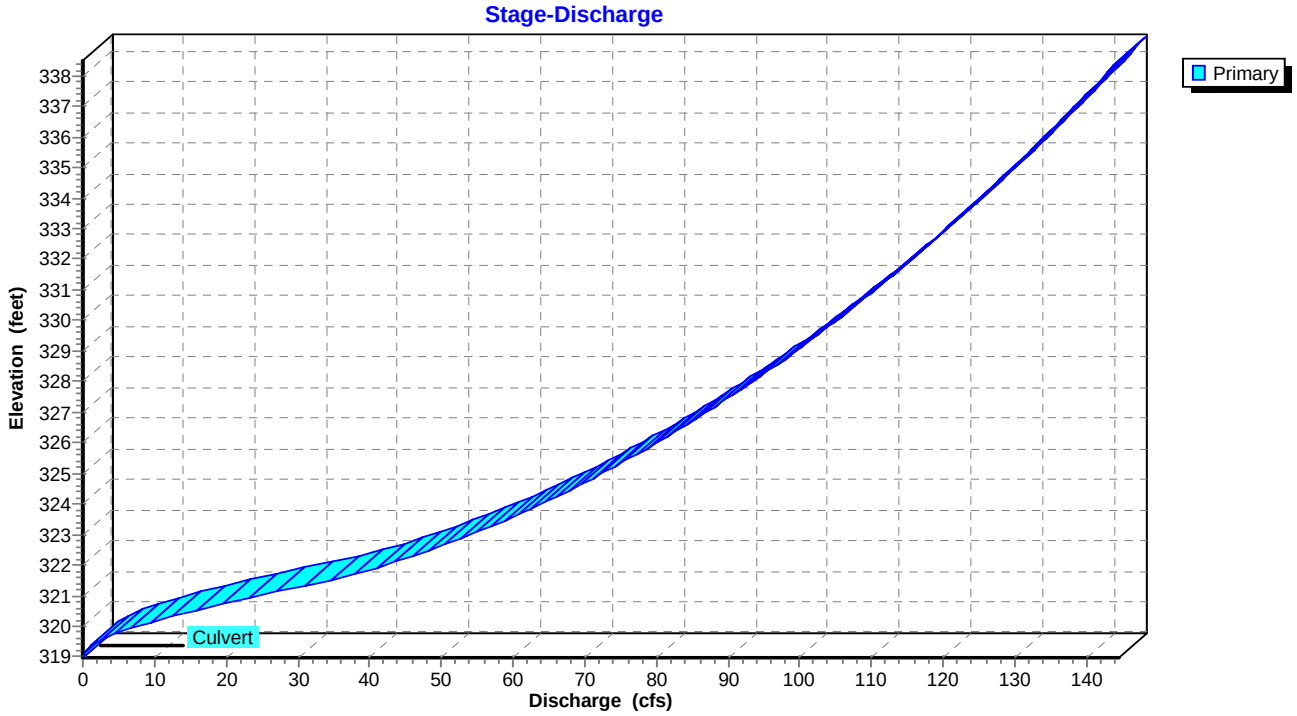
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=41.30 cfs @ 12.16 hrs HW=321.93' TW=312.06' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 41.30 cfs @ 5.86 fps)

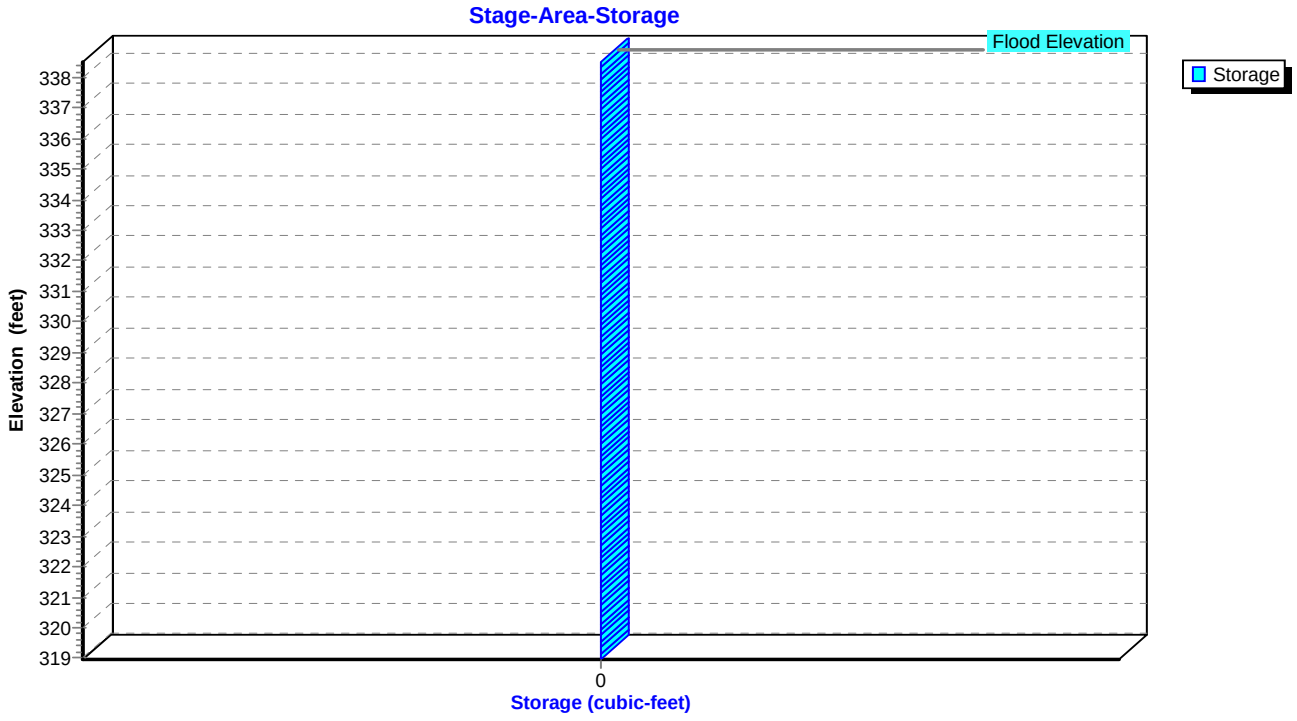
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.97	0.00
5.50	0.00	318.99	0.00
6.00	0.03	319.03	0.03
6.50	0.08	319.07	0.08
7.00	0.17	319.12	0.17
7.50	0.28	319.16	0.28
8.00	0.42	319.20	0.42
8.50	0.62	319.25	0.62
9.00	0.90	319.31	0.90
9.50	1.25	319.38	1.25
10.00	1.65	319.44	1.65
10.50	2.25	319.52	2.25
11.00	3.06	319.62	3.06
11.50	4.98	319.80	4.98
12.00	**26.25**	**321.08**	**26.25**
12.50	**23.50**	**320.94**	**23.50**
13.00	7.54	320.01	7.54
13.50	4.97	319.80	4.97
14.00	4.04	319.72	4.04
14.50	3.42	319.65	3.42
15.00	3.00	319.61	3.00
15.50	2.58	319.56	2.58
16.00	2.15	319.51	2.15
16.50	1.86	319.47	1.86
17.00	1.67	319.44	1.67
17.50	1.48	319.41	1.48
18.00	1.30	319.39	1.30
18.50	1.18	319.37	1.18
19.00	1.12	319.36	1.12
19.50	1.07	319.35	1.07
20.00	1.01	319.34	1.01
20.50	0.97	319.33	0.97
21.00	0.92	319.32	0.92
21.50	0.88	319.31	0.88
22.00	0.84	319.30	0.84
22.50	0.80	319.29	0.80
23.00	0.75	319.28	0.75
23.50	0.71	319.28	0.71
24.00	0.67	319.27	0.67

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

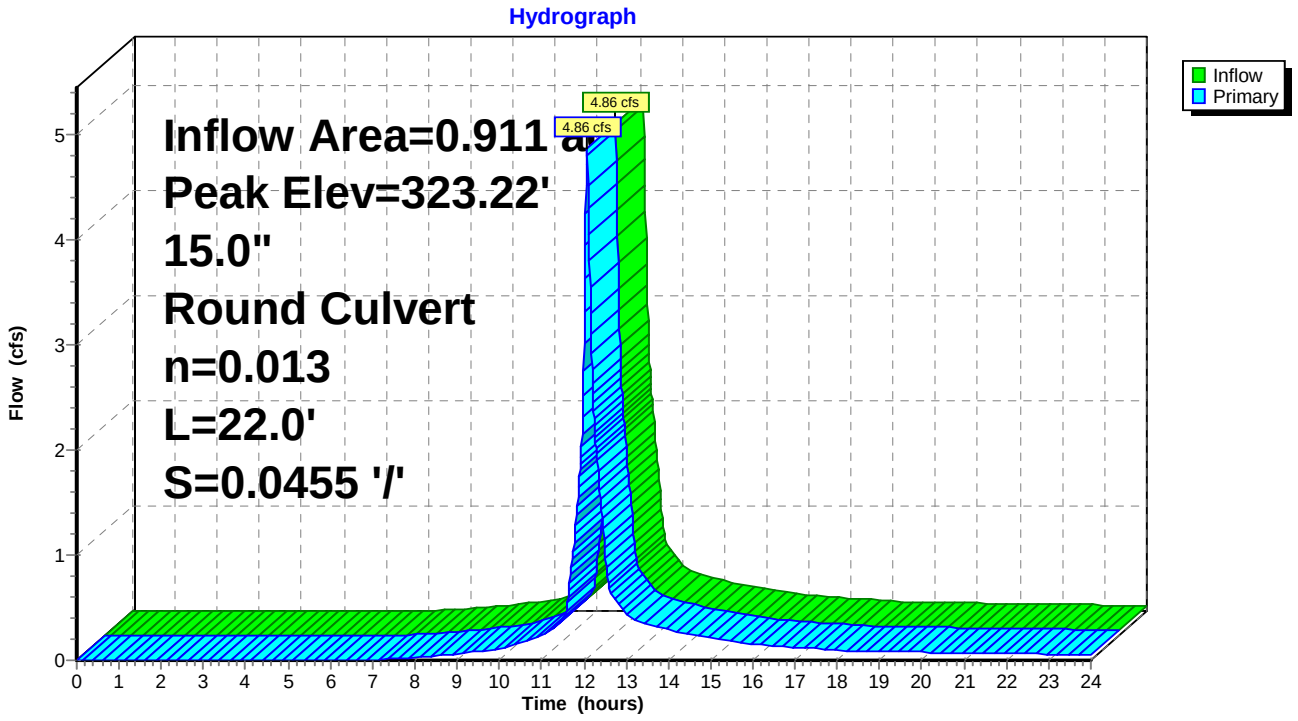
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.47" for 50-Year event
Inflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af
Outflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af, Atten= 0%, Lag= 0.0 min
Primary = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.22' @ 12.08 hrs
Flood Elev= 324.50'

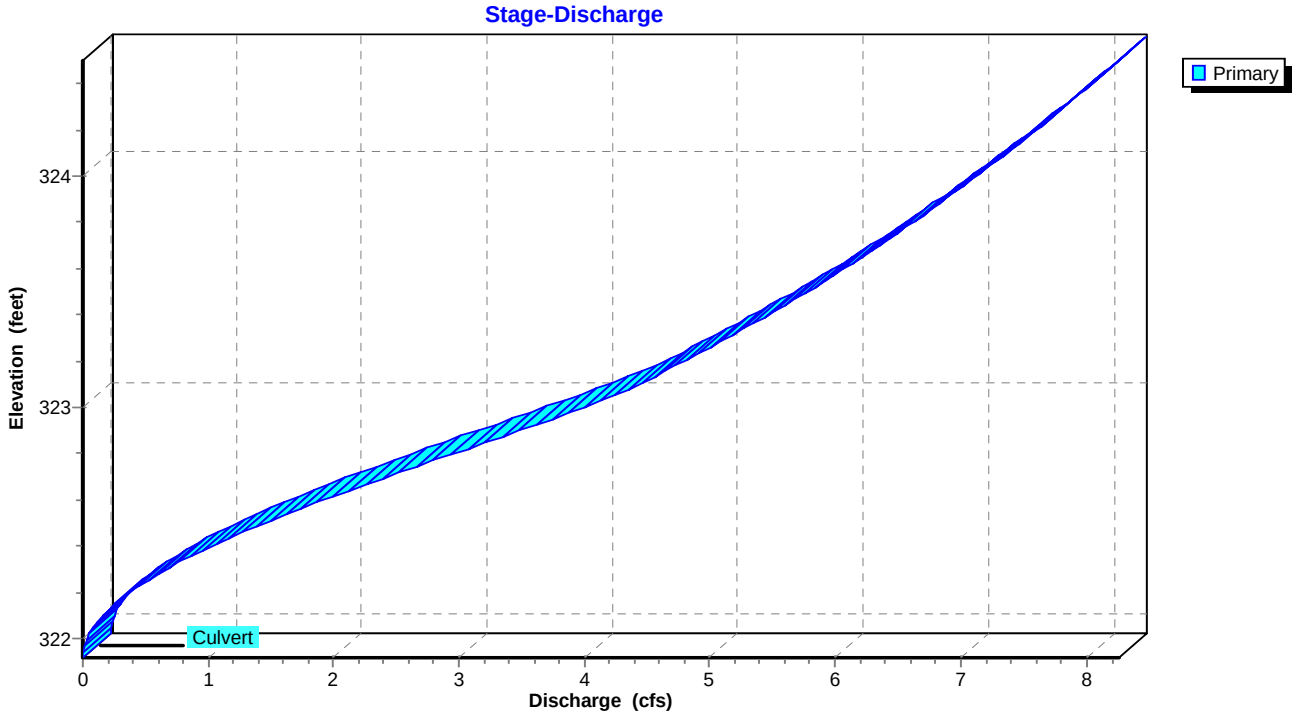
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.86 cfs @ 12.08 hrs HW=323.22' TW=321.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.86 cfs @ 3.96 fps)

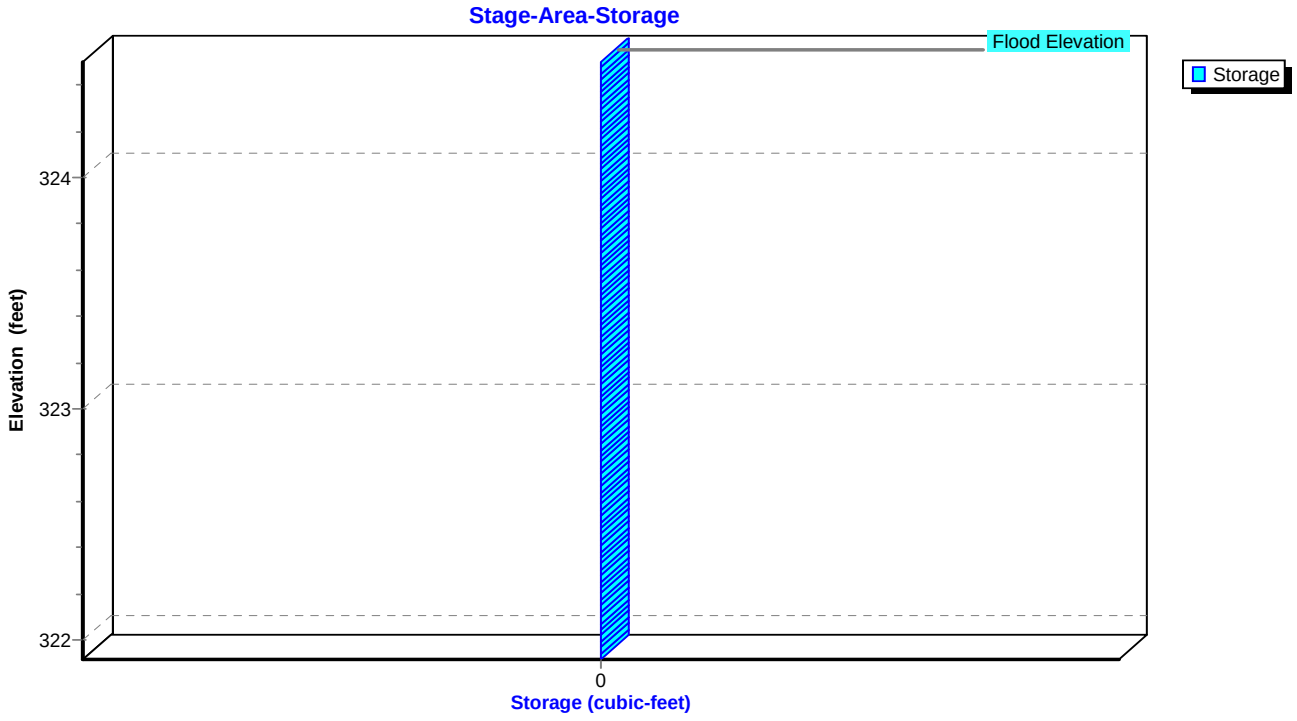
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.01	321.95	0.01
7.50	0.01	321.97	0.01
8.00	0.02	321.99	0.02
8.50	0.04	322.01	0.04
9.00	0.06	322.03	0.06
9.50	0.08	322.05	0.08
10.00	0.11	322.07	0.11
10.50	0.16	322.10	0.16
11.00	0.23	322.14	0.23
11.50	0.40	322.21	0.40
12.00	**3.02**	**322.81**	**3.02**
12.50	**1.04**	**322.40**	**1.04**
13.00	0.44	322.23	0.44
13.50	0.35	322.19	0.35
14.00	0.29	322.17	0.29
14.50	0.25	322.15	0.25
15.00	0.22	322.13	0.22
15.50	0.19	322.12	0.19
16.00	0.15	322.10	0.15
16.50	0.14	322.09	0.14
17.00	0.12	322.08	0.12
17.50	0.11	322.07	0.11
18.00	0.09	322.06	0.09
18.50	0.09	322.05	0.09
19.00	0.08	322.05	0.08
19.50	0.08	322.05	0.08
20.00	0.08	322.04	0.08
20.50	0.07	322.04	0.07
21.00	0.07	322.04	0.07
21.50	0.07	322.04	0.07
22.00	0.06	322.03	0.06
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.05	322.02	0.05
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.78' Inflow=8.05 cfs 0.961 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0103 '/' Outflow=8.05 cfs 0.961 af

Pond CB10: Catchbasin Peak Elev=312.38' Inflow=47.05 cfs 5.372 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=47.05 cfs 5.372 af

Pond CB10-1: CB1-1 Peak Elev=313.15' Inflow=4.61 cfs 0.282 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.61 cfs 0.282 af

Pond CB11: Catchbasin Peak Elev=302.50' Inflow=50.27 cfs 5.642 af
36.0" Round Culvert n=0.013 L=2,000.0' S=0.1138 '/' Outflow=50.27 cfs 5.642 af

Pond CB11-1: CB1-1 Peak Elev=303.11' Inflow=3.27 cfs 0.270 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.27 cfs 0.270 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.92' Inflow=17.21 cfs 1.962 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=17.21 cfs 1.962 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=344.41' Inflow=21.08 cfs 2.391 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0353 '/' Outflow=21.08 cfs 2.391 af

Pond CB4: Catchbasin Peak Elev=334.39' Inflow=28.19 cfs 3.257 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=28.19 cfs 3.257 af

Pond CB4-1: CB1-1 Peak Elev=339.47' Inflow=28.19 cfs 3.257 af
24.0" Round Culvert n=0.013 L=22.0' S=0.1423 '/' Outflow=28.19 cfs 3.257 af

Pond CB5: Catchbasin Peak Elev=333.27' Inflow=28.93 cfs 3.385 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=28.93 cfs 3.385 af

Pond CB5-1: CB1-1 Peak Elev=334.59' Inflow=2.13 cfs 0.128 af
18.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=2.13 cfs 0.128 af

Pond CB6: Catchbasin Peak Elev=332.17' Inflow=35.06 cfs 3.960 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=35.06 cfs 3.960 af

Pond CB6-1: CB1-1 Peak Elev=337.70' Inflow=6.35 cfs 0.574 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=6.35 cfs 0.574 af

Pond CB7: Catchbasin Peak Elev=330.88' Inflow=40.38 cfs 4.487 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0080 '/' Outflow=40.38 cfs 4.487 af

Pond CB7-1: CB1-1 Peak Elev=336.36' Inflow=6.77 cfs 0.527 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.77 cfs 0.527 af

Pond CB8: Catchbasin Peak Elev=329.28' Inflow=41.81 cfs 4.716 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0473 '/' Outflow=41.81 cfs 4.716 af

Pond CB8-1: CB1-1 Peak Elev=331.21' Inflow=3.78 cfs 0.229 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.78 cfs 0.229 af

Pond CB9: Catchbasin Peak Elev=322.24' Inflow=45.23 cfs 5.090 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=45.23 cfs 5.090 af

Pond CB9-1: CB1-1 Peak Elev=323.36' Inflow=5.34 cfs 0.374 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=5.34 cfs 0.374 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

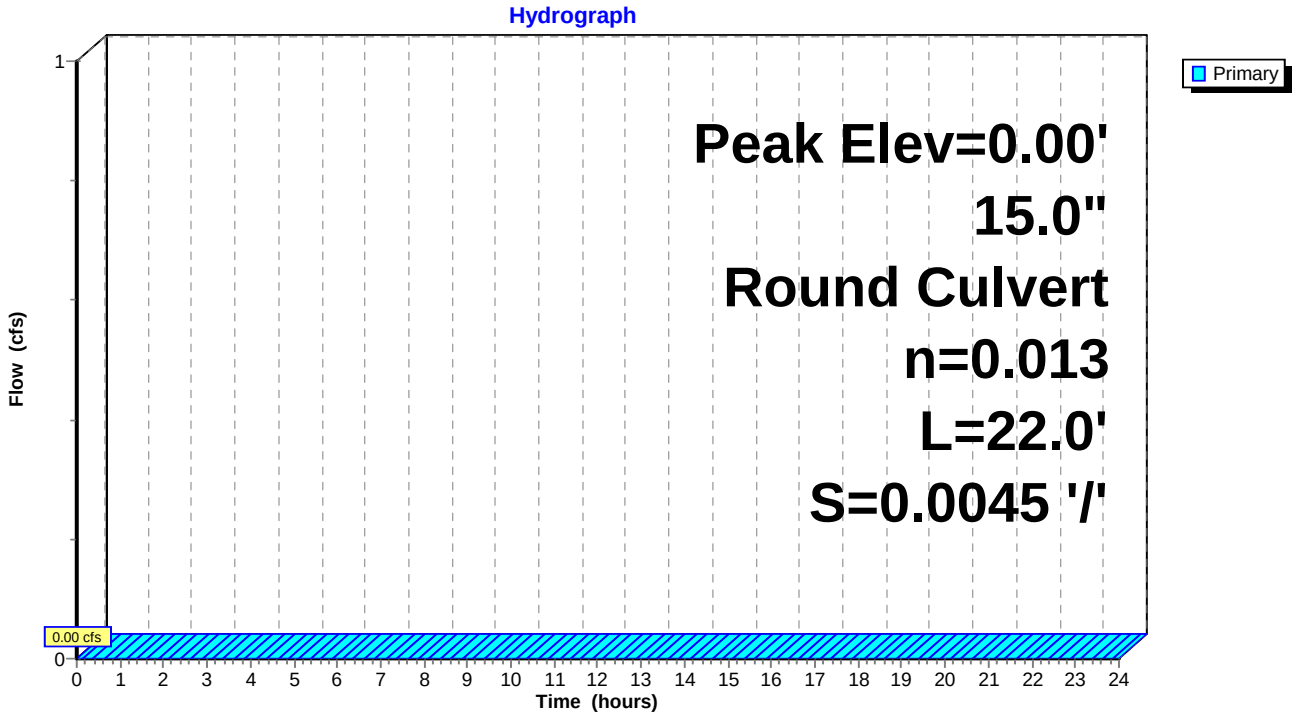
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

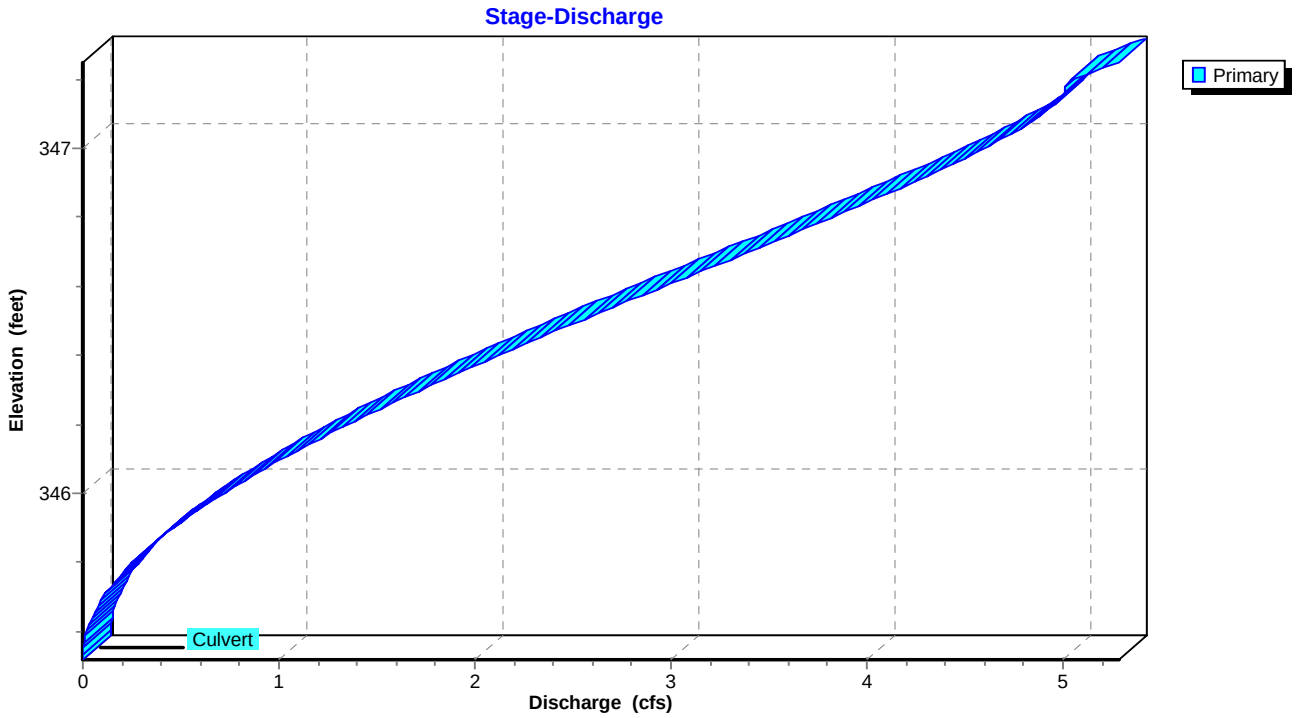
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.22' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

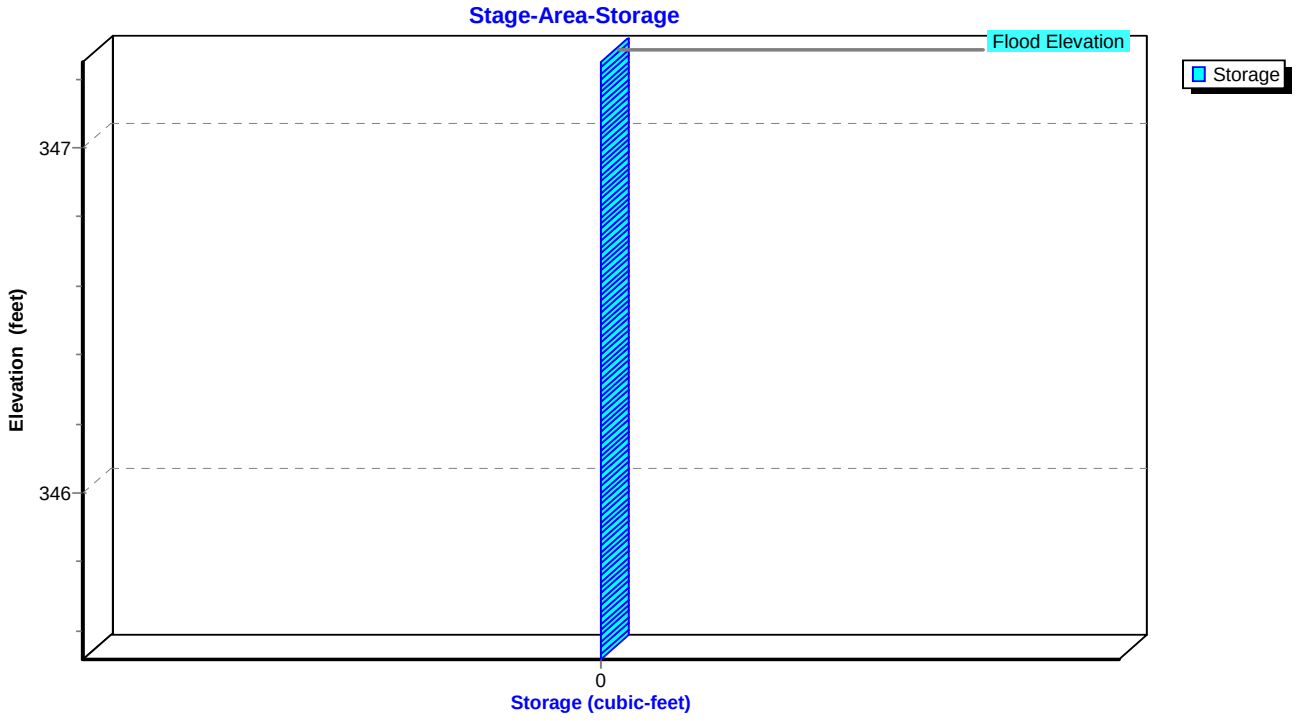
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.80	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.83	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.86	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.89	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.92	346.58	2.87	347.09	4.87
345.57	0.01	346.08	0.95	346.59	2.92	347.10	4.89
345.58	0.01	346.09	0.98	346.60	2.96	347.11	4.92
345.59	0.01	346.10	1.01	346.61	3.00	347.12	4.94
345.60	0.02	346.11	1.04	346.62	3.05	347.13	4.96
345.61	0.02	346.12	1.08	346.63	3.09	347.14	4.98
345.62	0.03	346.13	1.11	346.64	3.13	347.15	4.99
345.63	0.04	346.14	1.14	346.65	3.18	347.16	5.01
345.64	0.05	346.15	1.18	346.66	3.22	347.17	5.01
345.65	0.05	346.16	1.21	346.67	3.26	347.18	5.01
345.66	0.06	346.17	1.24	346.68	3.31	347.19	5.01
345.67	0.07	346.18	1.28	346.69	3.35	347.20	5.05
345.68	0.08	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.09	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.10	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.12	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.13	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.14	346.24	1.49	346.75	3.61		
345.74	0.16	346.25	1.53	346.76	3.65		
345.75	0.17	346.26	1.57	346.77	3.69		
345.76	0.19	346.27	1.60	346.78	3.73		
345.77	0.20	346.28	1.64	346.79	3.78		
345.78	0.22	346.29	1.68	346.80	3.82		
345.79	0.24	346.30	1.72	346.81	3.86		
345.80	0.25	346.31	1.76	346.82	3.90		
345.81	0.27	346.32	1.80	346.83	3.94		
345.82	0.29	346.33	1.83	346.84	3.98		
345.83	0.31	346.34	1.87	346.85	4.03		
345.84	0.33	346.35	1.91	346.86	4.07		
345.85	0.35	346.36	1.95	346.87	4.11		
345.86	0.37	346.37	1.99	346.88	4.15		
345.87	0.39	346.38	2.03	346.89	4.19		
345.88	0.41	346.39	2.07	346.90	4.23		
345.89	0.43	346.40	2.12	346.91	4.26		
345.90	0.46	346.41	2.16	346.92	4.30		
345.91	0.48	346.42	2.20	346.93	4.34		
345.92	0.50	346.43	2.24	346.94	4.38		
345.93	0.53	346.44	2.28	346.95	4.42		
345.94	0.55	346.45	2.32	346.96	4.45		
345.95	0.58	346.46	2.36	346.97	4.49		
345.96	0.60	346.47	2.40	346.98	4.52		
345.97	0.63	346.48	2.45	346.99	4.56		
345.98	0.66	346.49	2.49	347.00	4.59		
345.99	0.68	346.50	2.53	347.01	4.63		
346.00	0.71	346.51	2.57	347.02	4.66		
346.01	0.74	346.52	2.62	347.03	4.69		
346.02	0.77	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

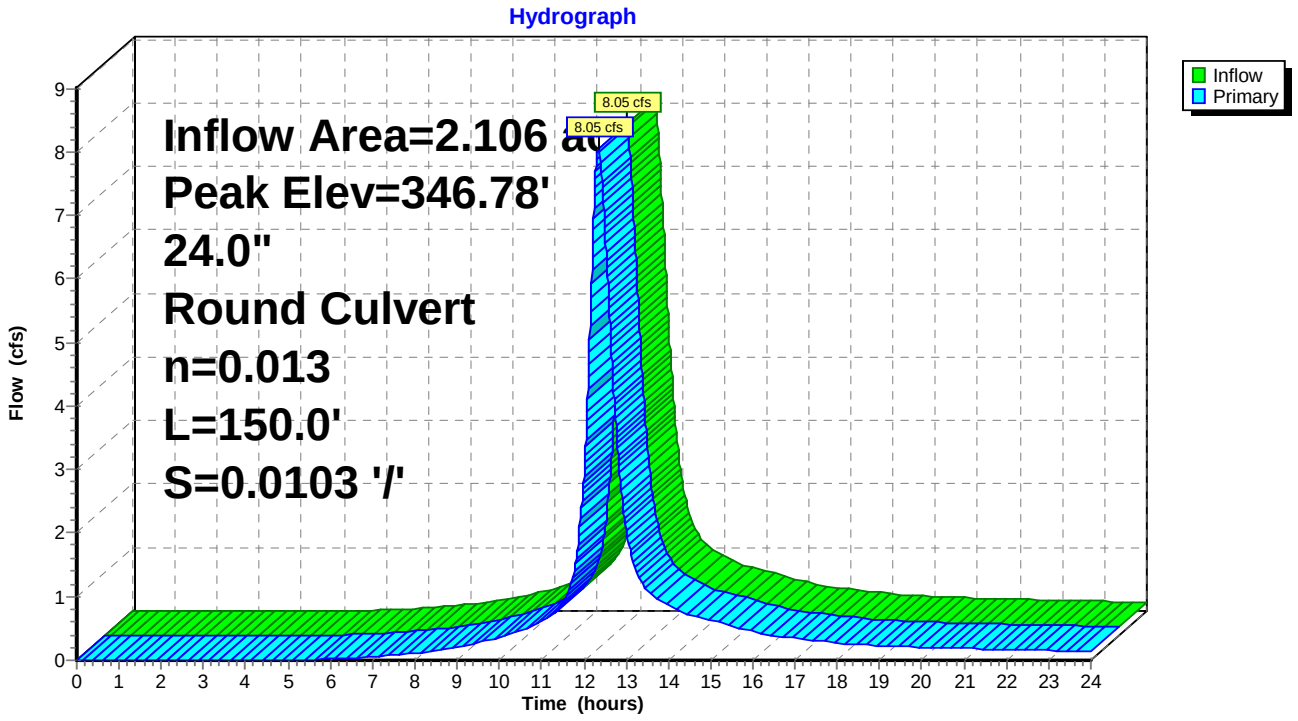
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.48" for 100-Year event
Inflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af
Outflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af, Atten= 0%, Lag= 0.0 min
Primary = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.78' @ 12.32 hrs
Flood Elev= 348.80'

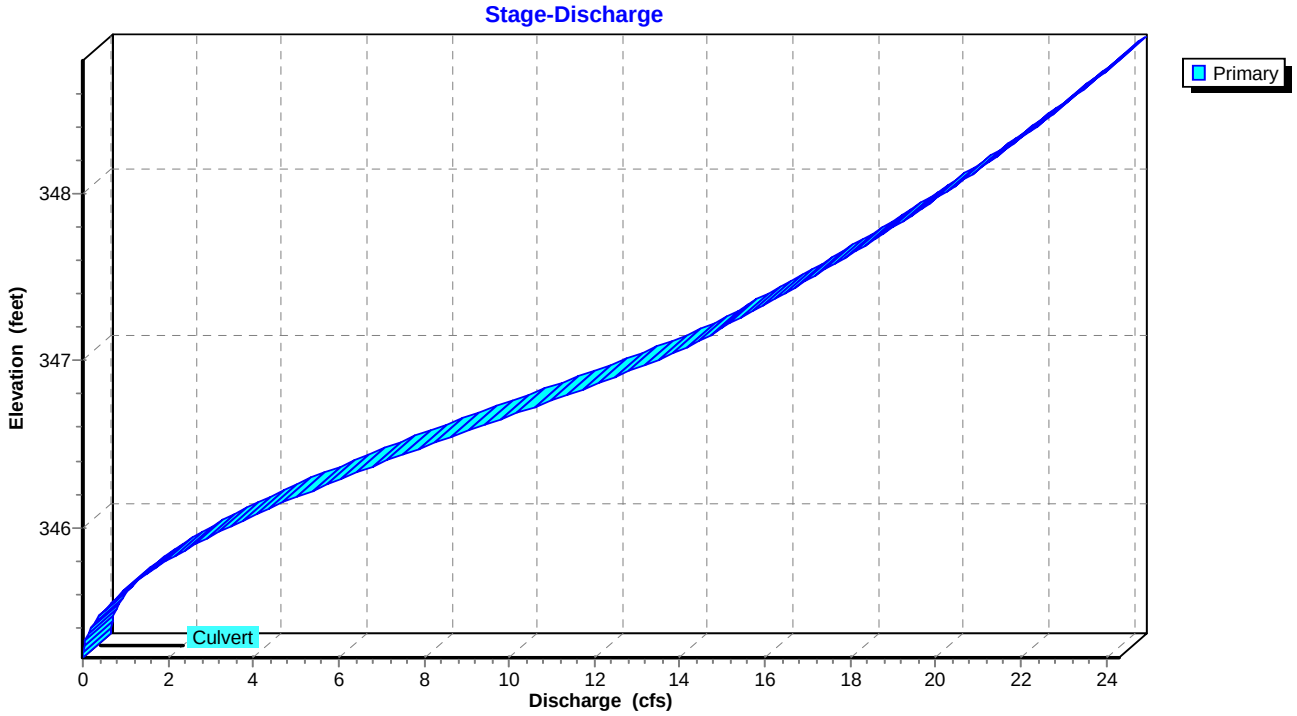
Device	Routing	Invert	Outlet Devices
#1	Primary	345.22'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.22' / 343.67' S= 0.0103 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf

Primary OutFlow Max=8.18 cfs @ 12.34 hrs HW=346.76' TW=345.84' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 8.18 cfs @ 4.34 fps)

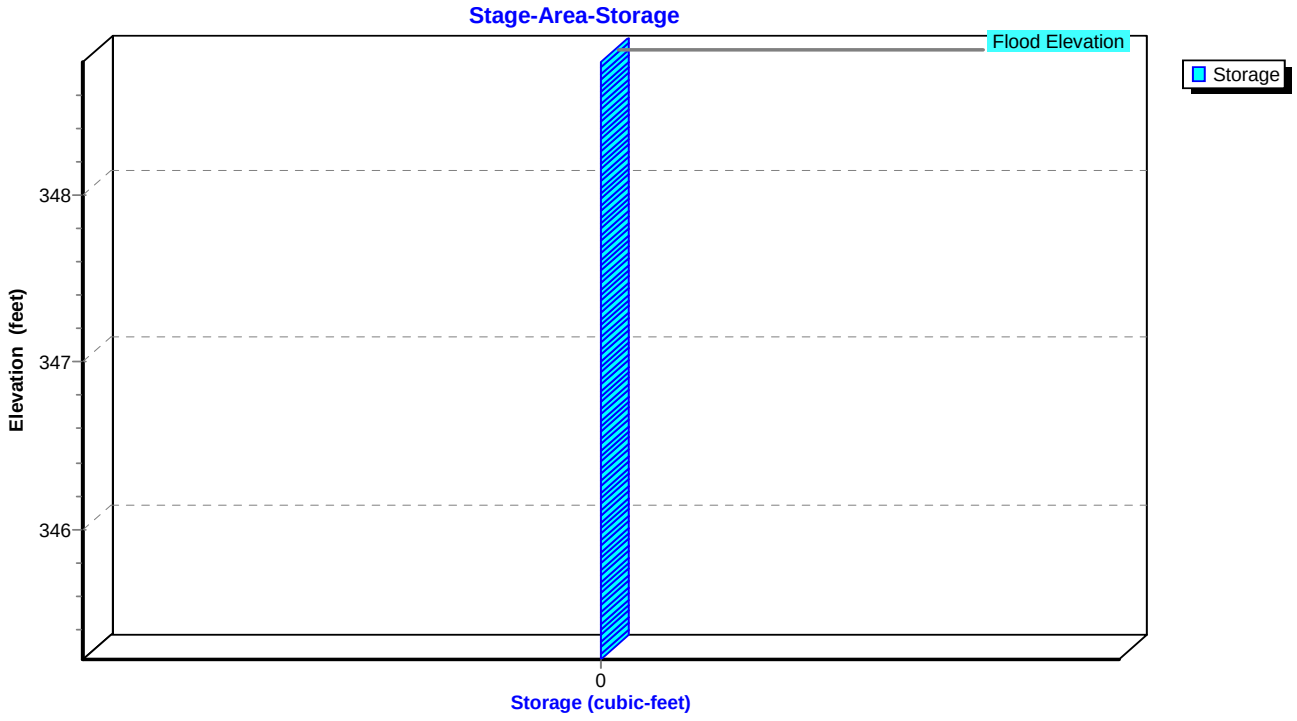
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.22	0.00
0.50	0.00	345.22	0.00
1.00	0.00	345.22	0.00
1.50	0.00	345.22	0.00
2.00	0.00	345.22	0.00
2.50	0.00	345.22	0.00
3.00	0.00	345.22	0.00
3.50	0.00	345.22	0.00
4.00	0.00	345.22	0.00
4.50	0.00	345.22	0.00
5.00	0.00	345.22	0.00
5.50	0.01	345.26	0.01
6.00	0.02	345.28	0.02
6.50	0.03	345.30	0.03
7.00	0.05	345.32	0.05
7.50	0.08	345.33	0.08
8.00	0.11	345.35	0.11
8.50	0.15	345.37	0.15
9.00	0.21	345.40	0.21
9.50	0.28	345.43	0.28
10.00	0.36	345.46	0.36
10.50	0.47	345.50	0.47
11.00	0.62	345.54	0.62
11.50	0.91	345.61	0.91
12.00	**2.90**	**345.95**	**2.90**
12.50	**6.82**	**346.47**	**6.82**
13.00	2.08	345.82	2.08
13.50	1.10	345.65	1.10
14.00	0.87	345.60	0.87
14.50	0.72	345.56	0.72
15.00	0.63	345.54	0.63
15.50	0.54	345.52	0.54
16.00	0.46	345.49	0.46
16.50	0.39	345.47	0.39
17.00	0.34	345.46	0.34
17.50	0.31	345.44	0.31
18.00	0.27	345.43	0.27
18.50	0.24	345.42	0.24
19.00	0.23	345.41	0.23
19.50	0.22	345.41	0.22
20.00	0.20	345.40	0.20
20.50	0.19	345.40	0.19
21.00	0.19	345.39	0.19
21.50	0.18	345.39	0.18
22.00	0.17	345.38	0.17
22.50	0.16	345.38	0.16
23.00	0.15	345.38	0.15
23.50	0.14	345.37	0.14
24.00	0.14	345.37	0.14

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.22	0.00	346.24	5.54	347.26	15.43	348.28	21.71
345.24	0.00	346.26	5.73	347.28	15.57	348.30	21.82
345.26	0.01	346.28	5.93	347.30	15.72	348.32	21.92
345.28	0.02	346.30	6.12	347.32	15.87	348.34	22.02
345.30	0.04	346.32	6.32	347.34	16.01	348.36	22.13
345.32	0.06	346.34	6.52	347.36	16.15	348.38	22.23
345.34	0.09	346.36	6.72	347.38	16.29	348.40	22.33
345.36	0.12	346.38	6.93	347.40	16.43	348.42	22.44
345.38	0.16	346.40	7.13	347.42	16.57	348.44	22.54
345.40	0.20	346.42	7.34	347.44	16.71	348.46	22.64
345.42	0.25	346.44	7.55	347.46	16.84	348.48	22.74
345.44	0.30	346.46	7.76	347.48	16.98	348.50	22.84
345.46	0.36	346.48	7.97	347.50	17.11	348.52	22.94
345.48	0.42	346.50	8.18	347.52	17.25	348.54	23.04
345.50	0.48	346.52	8.39	347.54	17.38	348.56	23.14
345.52	0.55	346.54	8.60	347.56	17.51	348.58	23.24
345.54	0.62	346.56	8.82	347.58	17.64	348.60	23.34
345.56	0.70	346.58	9.03	347.60	17.77	348.62	23.43
345.58	0.79	346.60	9.25	347.62	17.90	348.64	23.53
345.60	0.87	346.62	9.46	347.64	18.03	348.66	23.63
345.62	0.96	346.64	9.68	347.66	18.15	348.68	23.73
345.64	1.06	346.66	9.89	347.68	18.28	348.70	23.82
345.66	1.16	346.68	10.11	347.70	18.40	348.72	23.92
345.68	1.26	346.70	10.32	347.72	18.53	348.74	24.01
345.70	1.37	346.72	10.54	347.74	18.65	348.76	24.11
345.72	1.48	346.74	10.75	347.76	18.77	348.78	24.20
345.74	1.59	346.76	10.97	347.78	18.89	348.80	**24.30**
345.76	1.71	346.78	11.18	347.80	19.01		
345.78	1.83	346.80	11.39	347.82	19.13		
345.80	1.96	346.82	11.60	347.84	19.25		
345.82	2.09	346.84	11.81	347.86	19.37		
345.84	2.22	346.86	12.02	347.88	19.49		
345.86	2.36	346.88	12.23	347.90	19.61		
345.88	2.50	346.90	12.43	347.92	19.72		
345.90	2.64	346.92	12.63	347.94	19.84		
345.92	2.79	346.94	12.83	347.96	19.95		
345.94	2.94	346.96	13.03	347.98	20.07		
345.96	3.09	346.98	13.23	348.00	20.18		
345.98	3.25	347.00	13.42	348.02	20.29		
346.00	3.41	347.02	13.60	348.04	20.41		
346.02	3.57	347.04	13.79	348.06	20.52		
346.04	3.74	347.06	13.97	348.08	20.63		
346.06	3.91	347.08	14.14	348.10	20.74		
346.08	4.08	347.10	14.31	348.12	20.85		
346.10	4.25	347.12	14.47	348.14	20.96		
346.12	4.43	347.14	14.62	348.16	21.07		
346.14	4.61	347.16	14.77	348.18	21.18		
346.16	4.79	347.18	14.90	348.20	21.29		
346.18	4.97	347.20	15.03	348.22	21.39		
346.20	5.16	347.22	15.13	348.24	21.50		
346.22	5.35	347.24	15.28	348.26	21.61		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
345.22	**0**
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0
347.02	0
347.07	0
347.12	0
347.17	0
347.22	0
347.27	0
347.32	0
347.37	0
347.42	0
347.47	0
347.52	0
347.57	0
347.62	0
347.67	0
347.72	0
347.77	0
347.82	0
347.87	0
347.92	0
347.97	0
348.02	0
348.07	0
348.12	0
348.17	0
348.22	0
348.27	0
348.32	0
348.37	0
348.42	0
348.47	0
348.52	0
348.57	0
348.62	0
348.67	0
348.72	0
348.77	0

Summary for Pond CB10: Catchbasin

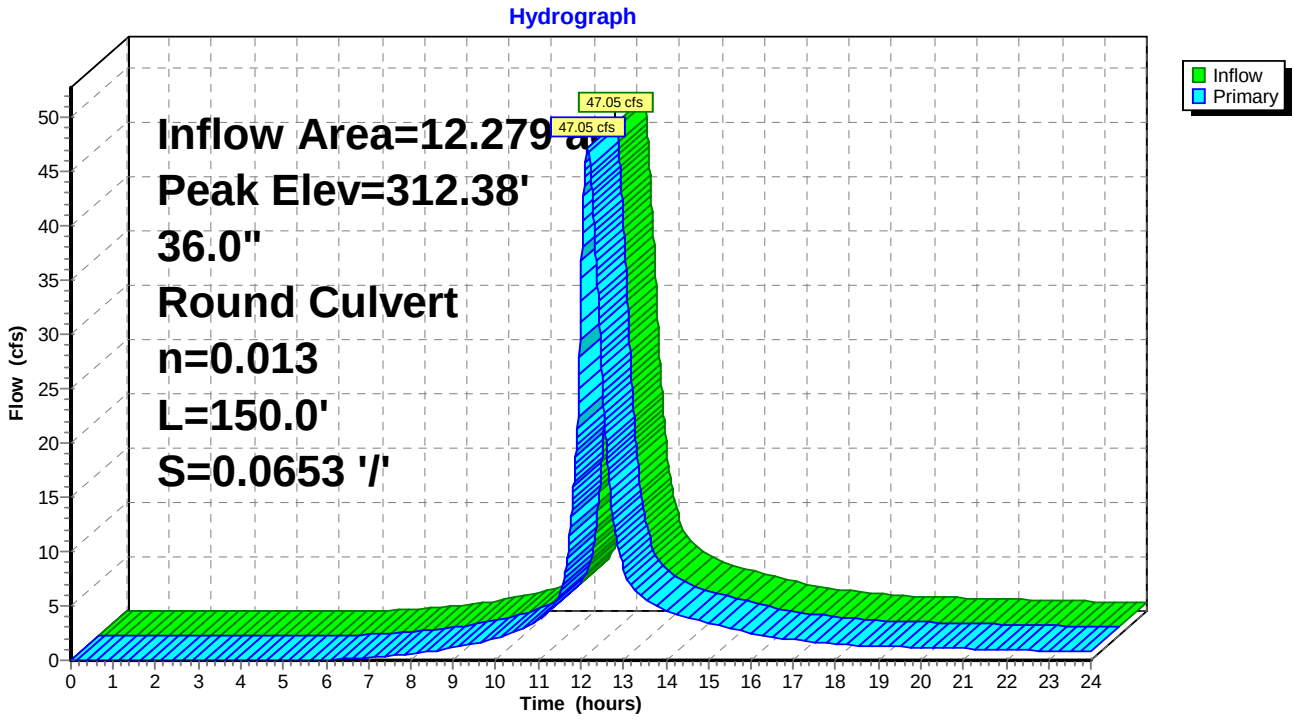
Inflow Area = 12.279 ac, 28.80% Impervious, Inflow Depth > 5.25" for 100-Year event
Inflow = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af
Outflow = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af, Atten= 0%, Lag= 0.0 min
Primary = 47.05 cfs @ 12.16 hrs, Volume= 5.372 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.38' @ 12.16 hrs
Flood Elev= 313.50'

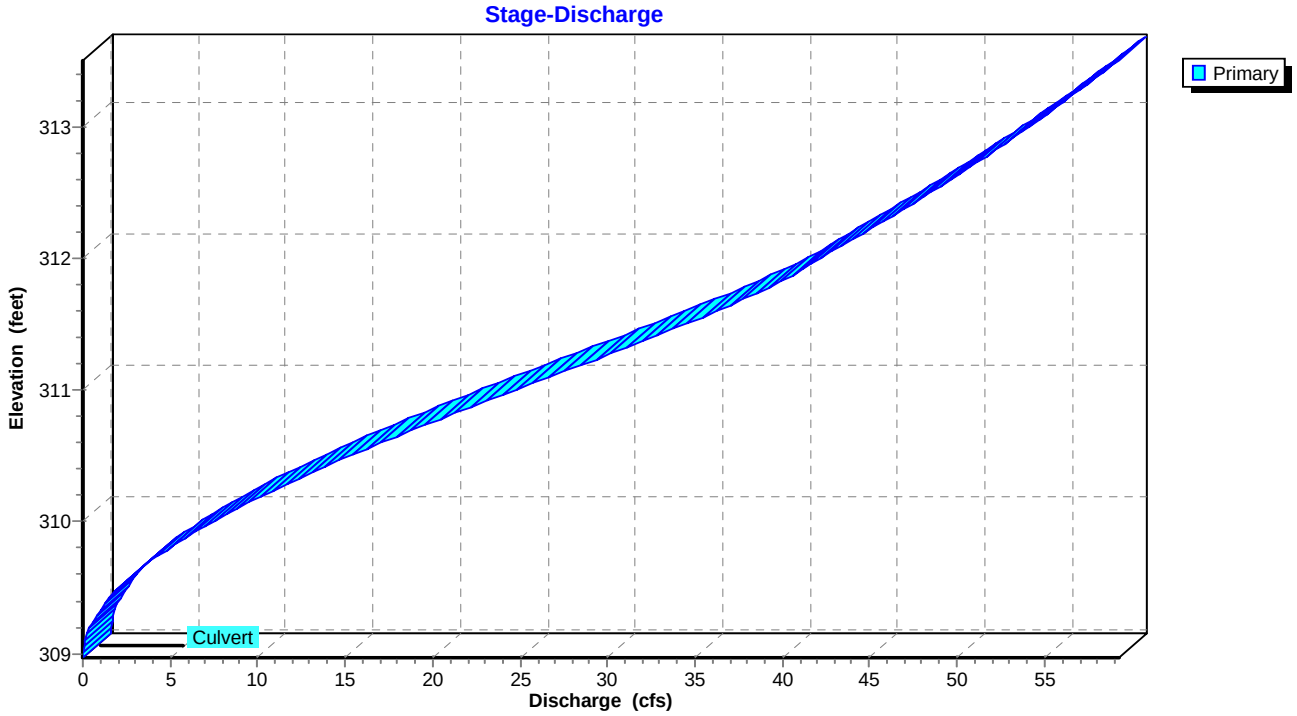
Device	Routing	Invert	Outlet Devices
#1	Primary	308.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 308.97' / 299.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=47.04 cfs @ 12.16 hrs HW=312.38' TW=302.50' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 47.04 cfs @ 6.65 fps)

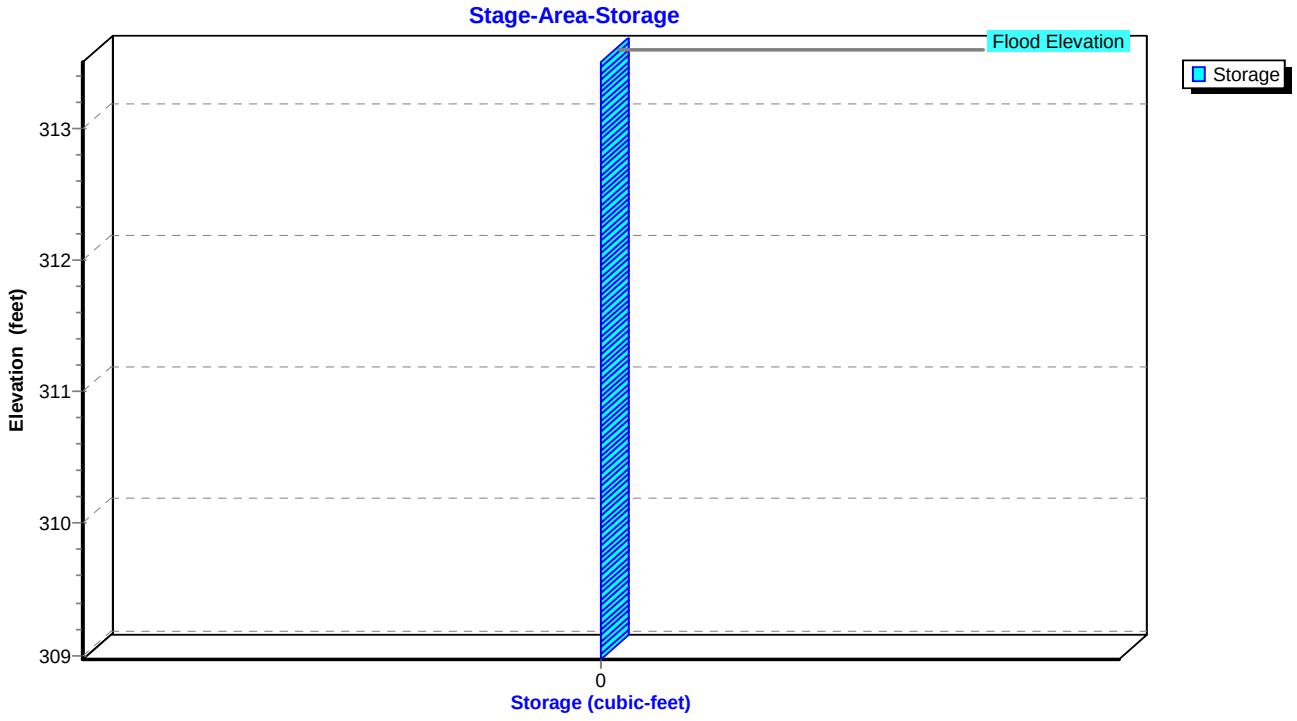
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	308.97	0.00
0.50	0.00	308.97	0.00
1.00	0.00	308.97	0.00
1.50	0.00	308.97	0.00
2.00	0.00	308.97	0.00
2.50	0.00	308.97	0.00
3.00	0.00	308.97	0.00
3.50	0.00	308.97	0.00
4.00	0.00	308.97	0.00
4.50	0.00	308.97	0.00
5.00	0.00	308.98	0.00
5.50	0.02	309.02	0.02
6.00	0.06	309.06	0.06
6.50	0.14	309.10	0.14
7.00	0.25	309.15	0.25
7.50	0.39	309.19	0.39
8.00	0.55	309.24	0.55
8.50	0.80	309.29	0.80
9.00	1.13	309.36	1.13
9.50	1.54	309.42	1.54
10.00	2.01	309.49	2.01
10.50	2.72	309.58	2.72
11.00	3.66	309.68	3.66
11.50	5.95	309.89	5.95
12.00	**33.11**	**311.43**	**33.11**
12.50	**26.16**	**311.07**	**26.16**
13.00	8.50	310.08	8.50
13.50	5.65	309.86	5.65
14.00	4.59	309.77	4.59
14.50	3.90	309.70	3.90
15.00	3.41	309.65	3.41
15.50	2.93	309.60	2.93
16.00	2.44	309.54	2.44
16.50	2.12	309.50	2.12
17.00	1.90	309.47	1.90
17.50	1.69	309.44	1.69
18.00	1.47	309.41	1.47
18.50	1.35	309.39	1.35
19.00	1.28	309.38	1.28
19.50	1.22	309.37	1.22
20.00	1.15	309.36	1.15
20.50	1.10	309.35	1.10
21.00	1.05	309.34	1.05
21.50	1.00	309.33	1.00
22.00	0.95	309.32	0.95
22.50	0.91	309.32	0.91
23.00	0.86	309.31	0.86
23.50	0.81	309.30	0.81
24.00	0.76	309.29	0.76

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
308.97	0.00	311.52	34.82
309.02	0.02	311.57	35.73
309.07	0.08	311.62	36.62
309.12	0.17	311.67	37.49
309.17	0.31	311.72	38.32
309.22	0.48	311.77	39.12
309.27	0.69	311.82	39.87
309.32	0.93	311.87	40.56
309.37	1.21	311.92	41.19
309.42	1.52	311.97	41.68
309.47	1.86	312.02	42.37
309.52	2.24	312.07	43.05
309.57	2.65	312.12	43.72
309.62	3.10	312.17	44.38
309.67	3.57	312.22	45.02
309.72	4.07	312.27	45.66
309.77	4.61	312.32	46.29
309.82	5.17	312.37	46.91
309.87	5.76	312.42	47.53
309.92	6.38	312.47	48.13
309.97	7.02	312.52	48.73
310.02	7.69	312.57	49.32
310.07	8.39	312.62	49.91
310.12	9.11	312.67	50.48
310.17	9.85	312.72	51.05
310.22	10.61	312.77	51.62
310.27	11.40	312.82	52.17
310.32	12.20	312.87	52.73
310.37	13.03	312.92	53.27
310.42	13.88	312.97	53.81
310.47	14.74	313.02	54.35
310.52	15.62	313.07	54.88
310.57	16.51	313.12	55.41
310.62	17.42	313.17	55.93
310.67	18.34	313.22	56.44
310.72	19.28	313.27	56.95
310.77	20.23	313.32	57.46
310.82	21.18	313.37	57.96
310.87	22.15	313.42	58.46
310.92	23.12	313.47	**58.95**
310.97	24.10		
311.02	25.09		
311.07	26.08		
311.12	27.07		
311.17	28.05		
311.22	29.04		
311.27	30.03		
311.32	31.00		
311.37	31.98		
311.42	32.94		
311.47	33.88		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
308.97	**0**	311.52	0
309.02	0	311.57	0
309.07	0	311.62	0
309.12	0	311.67	0
309.17	0	311.72	0
309.22	0	311.77	0
309.27	0	311.82	0
309.32	0	311.87	0
309.37	0	311.92	0
309.42	0	311.97	0
309.47	0	312.02	0
309.52	0	312.07	0
309.57	0	312.12	0
309.62	0	312.17	0
309.67	0	312.22	0
309.72	0	312.27	0
309.77	0	312.32	0
309.82	0	312.37	0
309.87	0	312.42	0
309.92	0	312.47	0
309.97	0	312.52	0
310.02	0	312.57	0
310.07	0	312.62	0
310.12	0	312.67	0
310.17	0	312.72	0
310.22	0	312.77	0
310.27	0	312.82	0
310.32	0	312.87	0
310.37	0	312.92	0
310.42	0	312.97	0
310.47	0	313.02	0
310.52	0	313.07	0
310.57	0	313.12	0
310.62	0	313.17	0
310.67	0	313.22	0
310.72	0	313.27	0
310.77	0	313.32	0
310.82	0	313.37	0
310.87	0	313.42	0
310.92	0	313.47	0
310.97	0		
311.02	0		
311.07	0		
311.12	0		
311.17	0		
311.22	0		
311.27	0		
311.32	0		
311.37	0		
311.42	0		
311.47	0		

Summary for Pond CB10-1: CB1-1

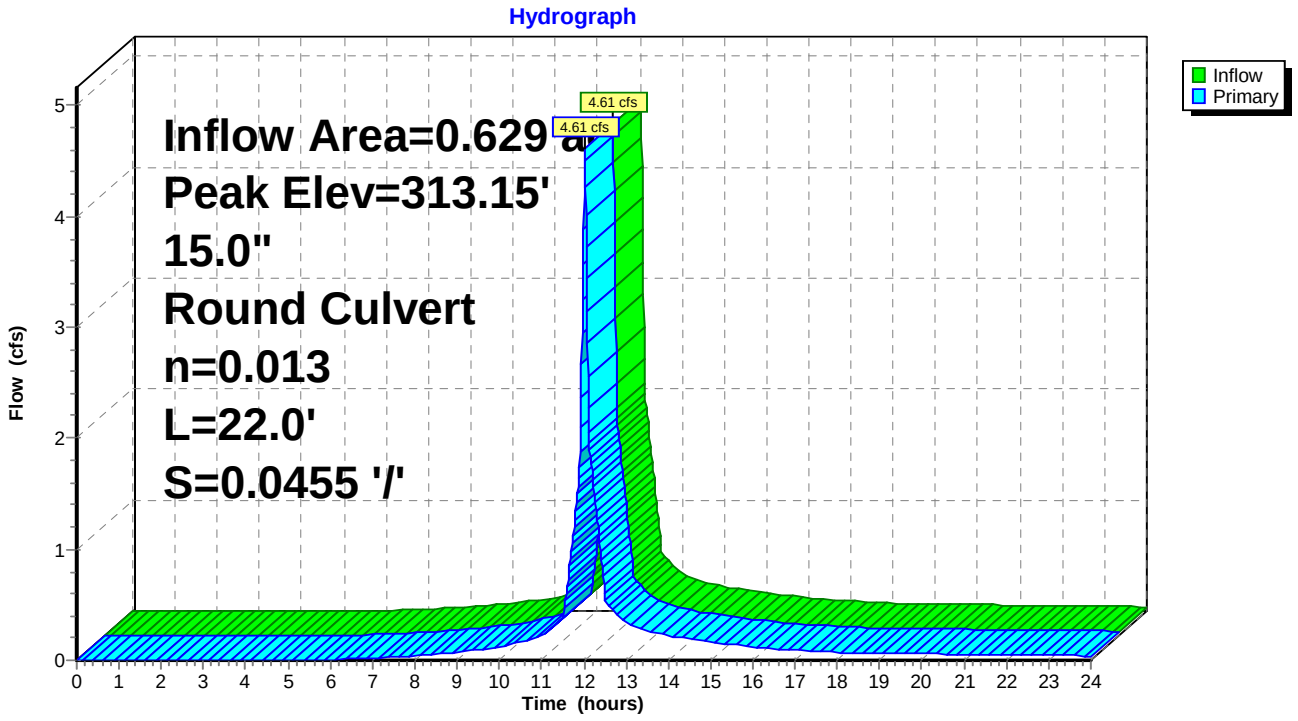
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 5.39" for 100-Year event
Inflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af
Outflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af, Atten= 0%, Lag= 0.0 min
Primary = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.15' @ 12.02 hrs
Flood Elev= 314.50'

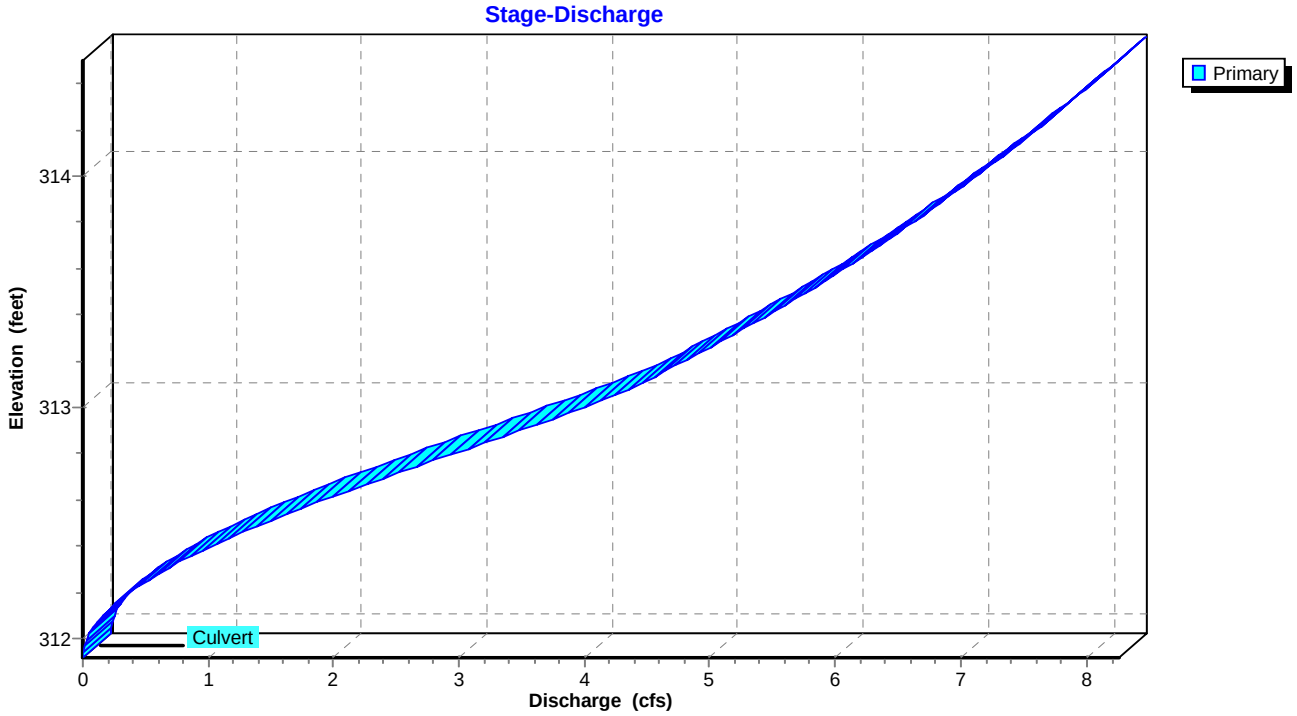
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.61 cfs @ 12.02 hrs HW=313.15' TW=311.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.61 cfs @ 3.77 fps)

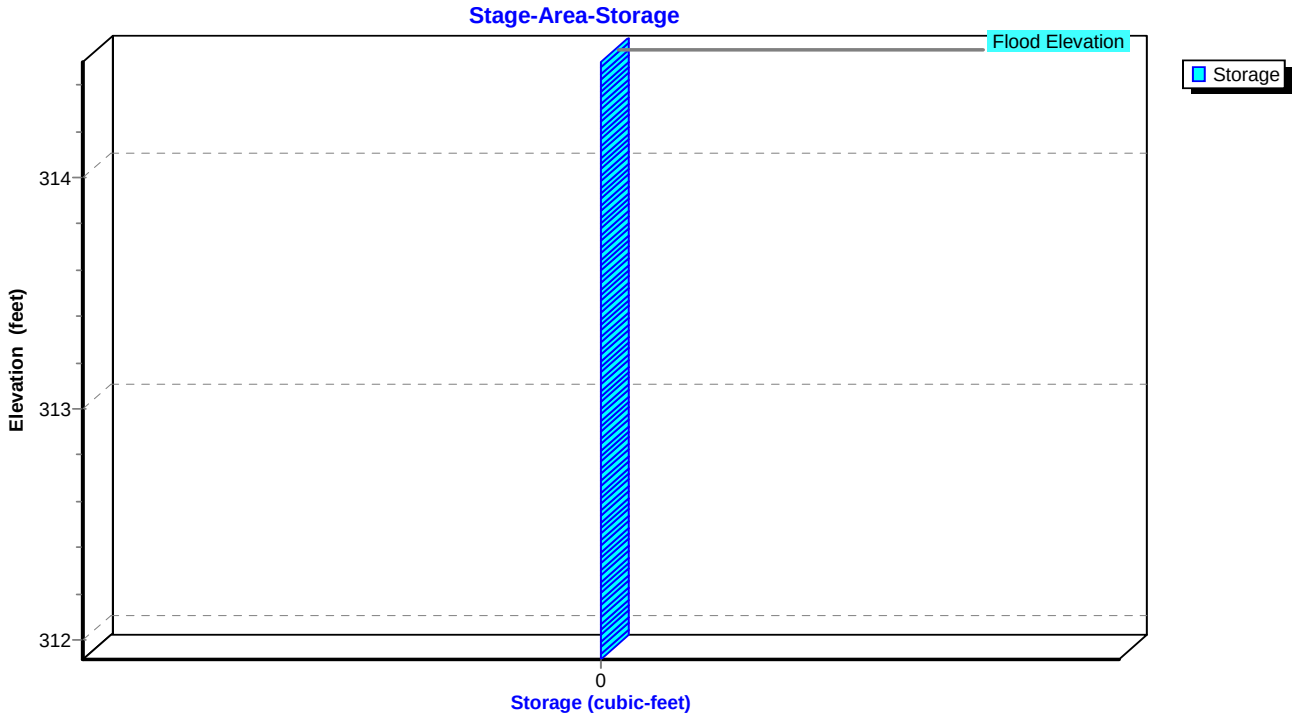
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.94	0.00
6.00	0.01	311.96	0.01
6.50	0.01	311.97	0.01
7.00	0.02	311.98	0.02
7.50	0.03	311.99	0.03
8.00	0.04	312.00	0.04
8.50	0.05	312.02	0.05
9.00	0.07	312.04	0.07
9.50	0.09	312.06	0.09
10.00	0.12	312.08	0.12
10.50	0.17	312.11	0.17
11.00	0.22	312.13	0.22
11.50	0.39	312.21	0.39
12.00	**4.19**	**313.04**	**4.19**
12.50	**0.59**	**312.28**	**0.59**
13.00	0.32	312.18	0.32
13.50	0.27	312.16	0.27
14.00	0.22	312.13	0.22
14.50	0.19	312.12	0.19
15.00	0.17	312.11	0.17
15.50	0.14	312.09	0.14
16.00	0.12	312.07	0.12
16.50	0.10	312.07	0.10
17.00	0.09	312.06	0.09
17.50	0.08	312.05	0.08
18.00	0.07	312.04	0.07
18.50	0.07	312.04	0.07
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.06	312.03	0.06
20.50	0.06	312.03	0.06
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.05	312.02	0.05
22.50	0.05	312.02	0.05
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.01	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

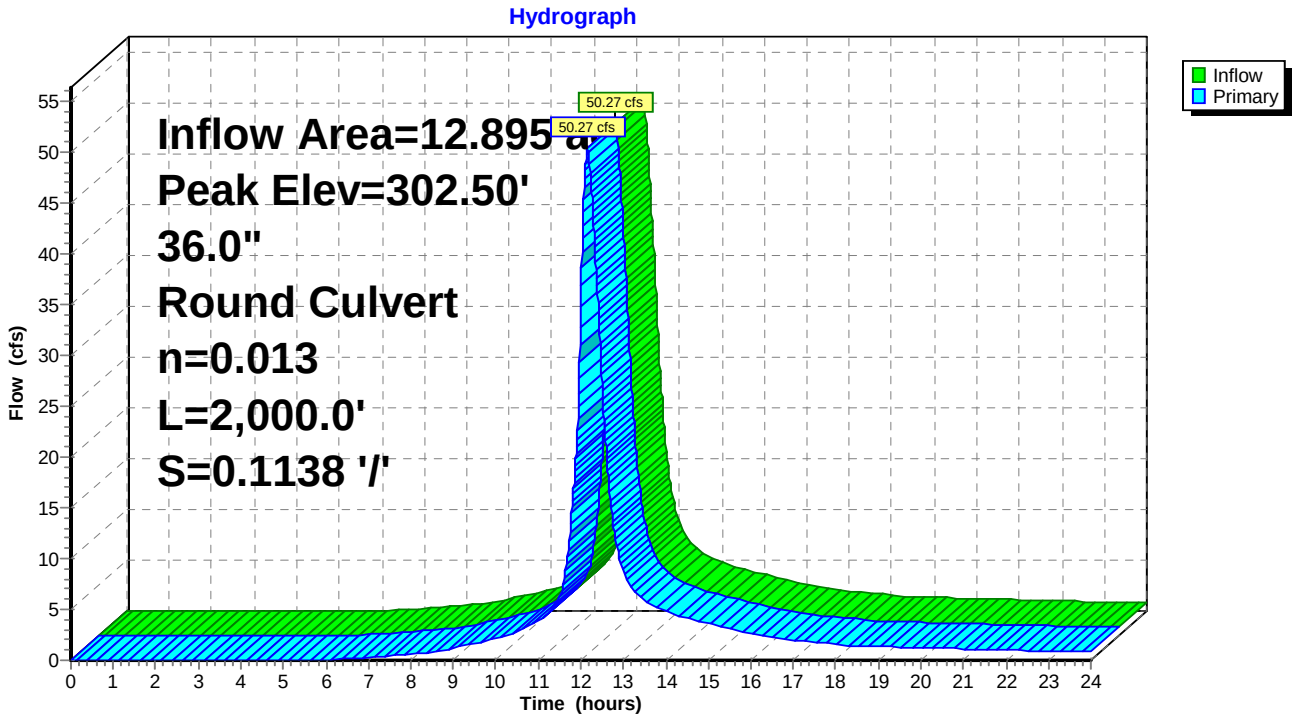
Inflow Area = 12.895 ac, 28.84% Impervious, Inflow Depth > 5.25" for 100-Year event
Inflow = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af
Outflow = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af, Atten= 0%, Lag= 0.0 min
Primary = 50.27 cfs @ 12.16 hrs, Volume= 5.642 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.50' @ 12.16 hrs
Flood Elev= 303.50'

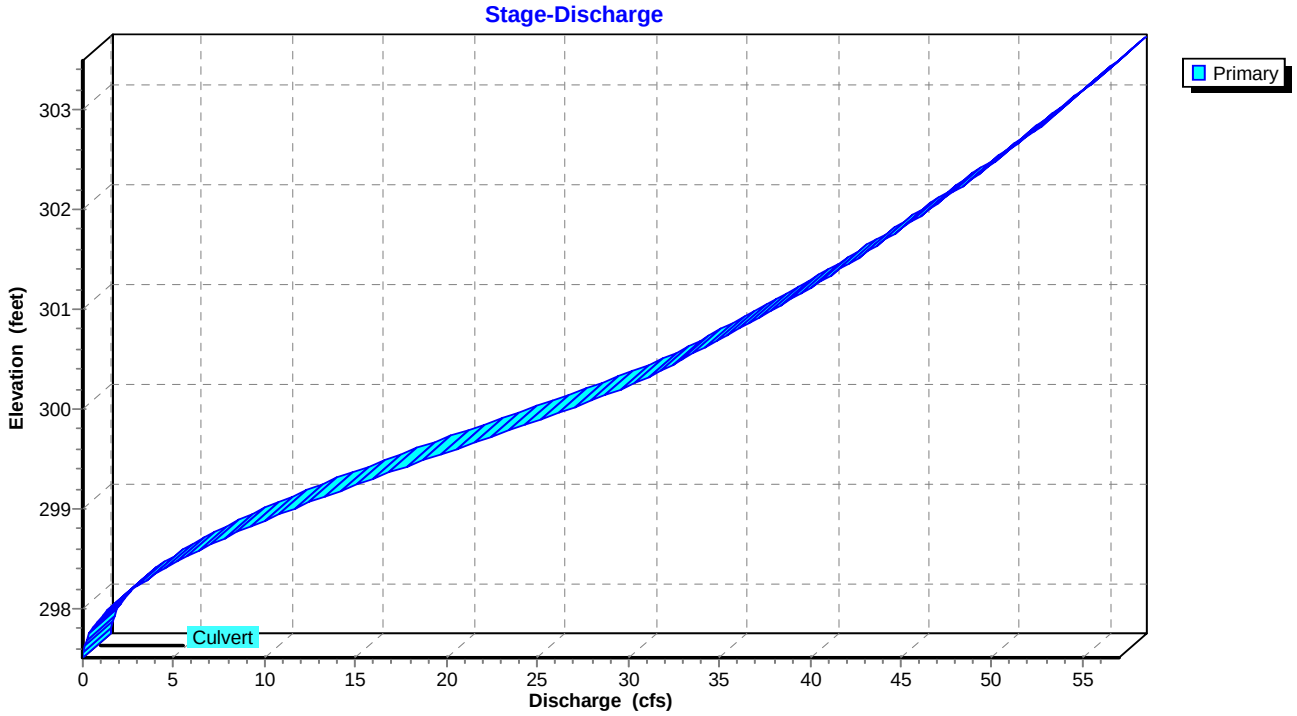
Device	Routing	Invert	Outlet Devices
#1	Primary	297.50'	**36.0" Round Culvert** L= 2,000.0' Ke= 0.900 Inlet / Outlet Invert= 297.50' / 70.00' S= 0.1138 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=50.25 cfs @ 12.16 hrs HW=302.50' (Free Discharge)
1=Culvert (Inlet Controls 50.25 cfs @ 7.11 fps)

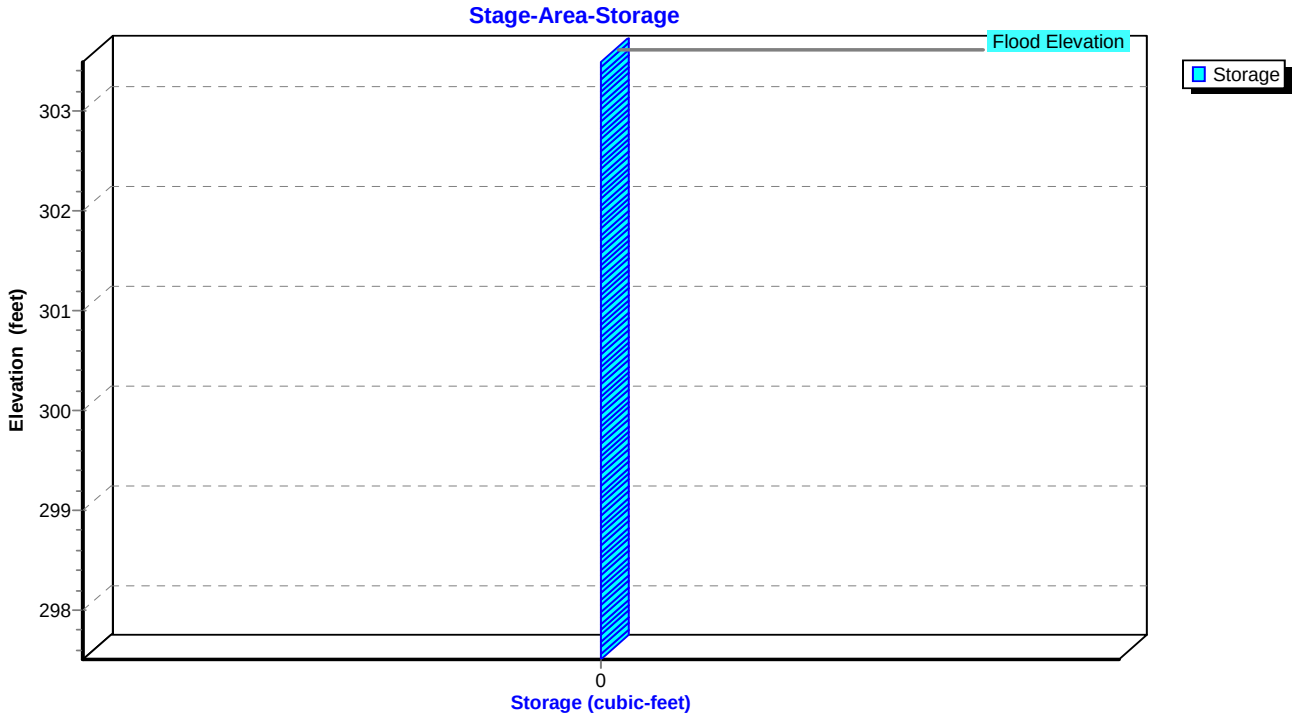
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	297.50	0.00
0.50	0.00	297.50	0.00
1.00	0.00	297.50	0.00
1.50	0.00	297.50	0.00
2.00	0.00	297.50	0.00
2.50	0.00	297.50	0.00
3.00	0.00	297.50	0.00
3.50	0.00	297.50	0.00
4.00	0.00	297.50	0.00
4.50	0.00	297.50	0.00
5.00	0.00	297.51	0.00
5.50	0.02	297.55	0.02
6.00	0.06	297.60	0.06
6.50	0.14	297.65	0.14
7.00	0.26	297.71	0.26
7.50	0.41	297.76	0.41
8.00	0.58	297.81	0.58
8.50	0.84	297.87	0.84
9.00	1.19	297.95	1.19
9.50	1.62	298.03	1.62
10.00	2.12	298.10	2.12
10.50	2.86	298.21	2.86
11.00	3.85	298.32	3.85
11.50	6.27	298.57	6.27
12.00	**34.75**	**300.67**	**34.75**
12.50	**27.22**	**300.03**	**27.22**
13.00	8.87	298.79	8.87
13.50	5.93	298.54	5.93
14.00	4.81	298.43	4.81
14.50	4.09	298.35	4.09
15.00	3.58	298.29	3.58
15.50	3.07	298.23	3.07
16.00	2.56	298.17	2.56
16.50	2.22	298.12	2.22
17.00	1.99	298.08	1.99
17.50	1.77	298.05	1.77
18.00	1.55	298.01	1.55
18.50	1.41	297.99	1.41
19.00	1.34	297.98	1.34
19.50	1.28	297.96	1.28
20.00	1.21	297.95	1.21
20.50	1.15	297.94	1.15
21.00	1.10	297.93	1.10
21.50	1.05	297.92	1.05
22.00	1.00	297.91	1.00
22.50	0.95	297.90	0.95
23.00	0.90	297.89	0.90
23.50	0.85	297.88	0.85
24.00	0.80	297.87	0.80

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
297.50	0.00	299.54	19.65	301.58	43.16
297.54	0.01	299.58	20.27	301.62	43.49
297.58	0.04	299.62	20.90	301.66	43.82
297.62	0.09	299.66	21.52	301.70	44.15
297.66	0.16	299.70	22.15	301.74	44.48
297.70	0.24	299.74	22.77	301.78	44.80
297.74	0.35	299.78	23.39	301.82	45.12
297.78	0.47	299.82	24.01	301.86	45.44
297.82	0.61	299.86	24.63	301.90	45.76
297.86	0.77	299.90	25.24	301.94	46.07
297.90	0.95	299.94	25.85	301.98	46.38
297.94	1.15	299.98	26.45	302.02	46.69
297.98	1.36	300.02	27.05	302.06	47.00
298.02	1.59	300.06	27.63	302.10	47.31
298.06	1.83	300.10	28.21	302.14	47.61
298.10	2.10	300.14	28.77	302.18	47.92
298.14	2.37	300.18	29.32	302.22	48.22
298.18	2.67	300.22	29.86	302.26	48.51
298.22	2.98	300.26	30.38	302.30	48.81
298.26	3.30	300.30	30.88	302.34	49.11
298.30	3.64	300.34	31.36	302.38	49.40
298.34	3.99	300.38	31.81	302.42	49.69
298.38	4.36	300.42	32.23	302.46	49.98
298.42	4.74	300.46	32.60	302.50	50.27
298.46	5.14	300.50	32.91	302.54	50.56
298.50	5.54	300.54	33.34	302.58	50.84
298.54	5.97	300.58	33.77	302.62	51.12
298.58	6.40	300.62	34.20	302.66	51.40
298.62	6.85	300.66	34.62	302.70	51.69
298.66	7.30	300.70	35.03	302.74	51.96
298.70	7.77	300.74	35.44	302.78	52.24
298.74	8.26	300.78	35.85	302.82	52.52
298.78	8.75	300.82	36.25	302.86	52.79
298.82	9.25	300.86	36.65	302.90	53.06
298.86	9.76	300.90	37.04	302.94	53.34
298.90	10.29	300.94	37.43	302.98	53.61
298.94	10.82	300.98	37.81	303.02	53.87
298.98	11.36	301.02	38.19	303.06	54.14
299.02	11.91	301.06	38.57	303.10	54.41
299.06	12.47	301.10	38.94	303.14	54.67
299.10	13.04	301.14	39.31	303.18	54.94
299.14	13.61	301.18	39.67	303.22	55.20
299.18	14.19	301.22	40.04	303.26	55.46
299.22	14.78	301.26	40.39	303.30	55.72
299.26	15.37	301.30	40.75	303.34	55.98
299.30	15.97	301.34	41.10	303.38	56.23
299.34	16.57	301.38	41.45	303.42	56.49
299.38	17.18	301.42	41.80	303.46	56.75
299.42	17.79	301.46	42.14	303.50	**57.00**
299.46	18.41	301.50	42.48		
299.50	19.03	301.54	42.82		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
297.50	**0**	299.54	0	301.58	0
297.54	0	299.58	0	301.62	0
297.58	0	299.62	0	301.66	0
297.62	0	299.66	0	301.70	0
297.66	0	299.70	0	301.74	0
297.70	0	299.74	0	301.78	0
297.74	0	299.78	0	301.82	0
297.78	0	299.82	0	301.86	0
297.82	0	299.86	0	301.90	0
297.86	0	299.90	0	301.94	0
297.90	0	299.94	0	301.98	0
297.94	0	299.98	0	302.02	0
297.98	0	300.02	0	302.06	0
298.02	0	300.06	0	302.10	0
298.06	0	300.10	0	302.14	0
298.10	0	300.14	0	302.18	0
298.14	0	300.18	0	302.22	0
298.18	0	300.22	0	302.26	0
298.22	0	300.26	0	302.30	0
298.26	0	300.30	0	302.34	0
298.30	0	300.34	0	302.38	0
298.34	0	300.38	0	302.42	0
298.38	0	300.42	0	302.46	0
298.42	0	300.46	0	302.50	0
298.46	0	300.50	0	302.54	0
298.50	0	300.54	0	302.58	0
298.54	0	300.58	0	302.62	0
298.58	0	300.62	0	302.66	0
298.62	0	300.66	0	302.70	0
298.66	0	300.70	0	302.74	0
298.70	0	300.74	0	302.78	0
298.74	0	300.78	0	302.82	0
298.78	0	300.82	0	302.86	0
298.82	0	300.86	0	302.90	0
298.86	0	300.90	0	302.94	0
298.90	0	300.94	0	302.98	0
298.94	0	300.98	0	303.02	0
298.98	0	301.02	0	303.06	0
299.02	0	301.06	0	303.10	0
299.06	0	301.10	0	303.14	0
299.10	0	301.14	0	303.18	0
299.14	0	301.18	0	303.22	0
299.18	0	301.22	0	303.26	0
299.22	0	301.26	0	303.30	0
299.26	0	301.30	0	303.34	0
299.30	0	301.34	0	303.38	0
299.34	0	301.38	0	303.42	0
299.38	0	301.42	0	303.46	0
299.42	0	301.46	0	303.50	0
299.46	0	301.50	0		
299.50	0	301.54	0		

Summary for Pond CB11-1: CB1-1

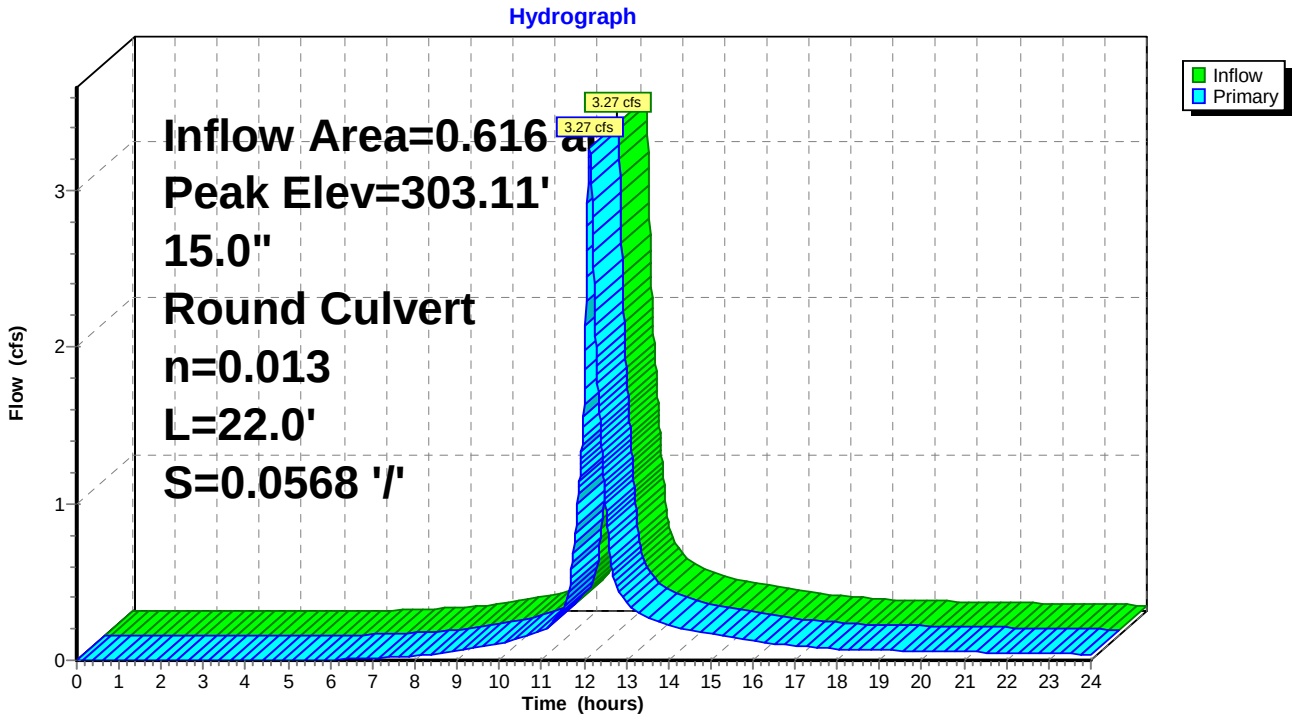
Inflow Area = 0.616 ac, 29.56% Impervious, Inflow Depth > 5.26" for 100-Year event
Inflow = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af
Outflow = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af, Atten= 0%, Lag= 0.0 min
Primary = 3.27 cfs @ 12.14 hrs, Volume= 0.270 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 303.11' @ 12.16 hrs
Flood Elev= 304.80'

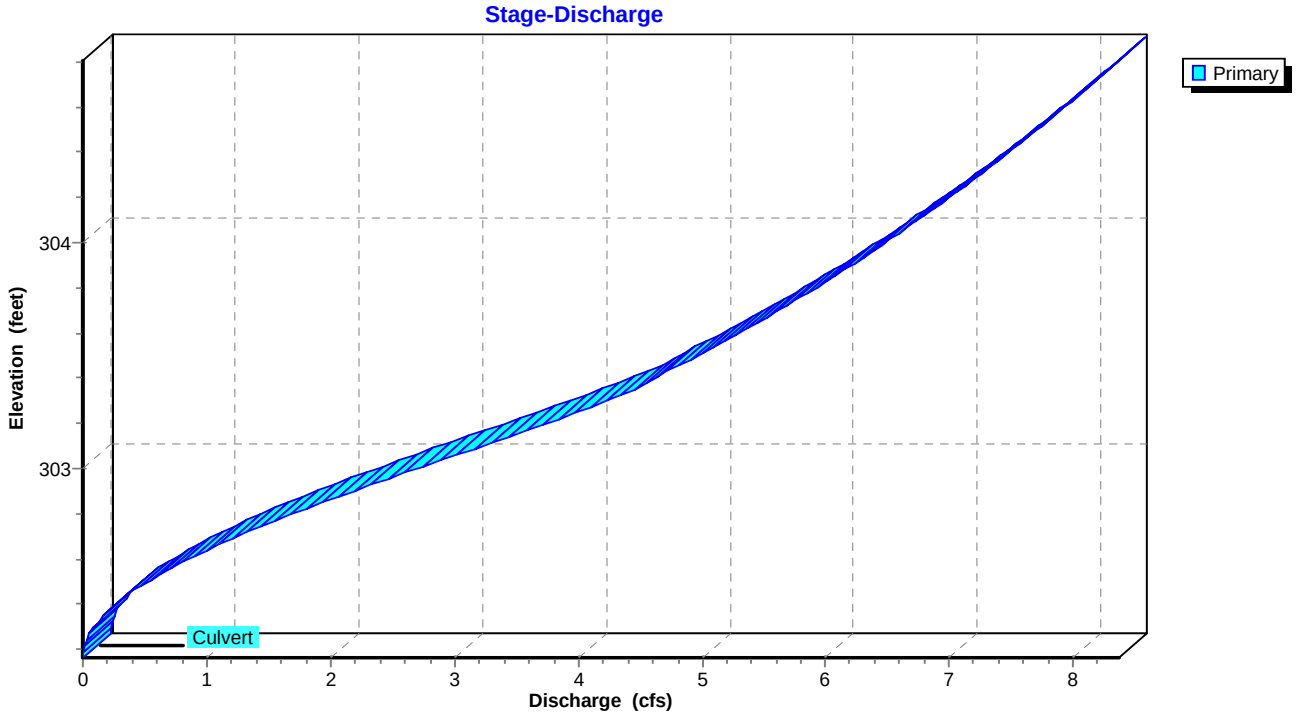
Device	Routing	Invert	Outlet Devices
#1	Primary	302.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 302.17' / 300.92' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.27 cfs @ 12.14 hrs HW=303.11' TW=302.46' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.27 cfs @ 3.30 fps)

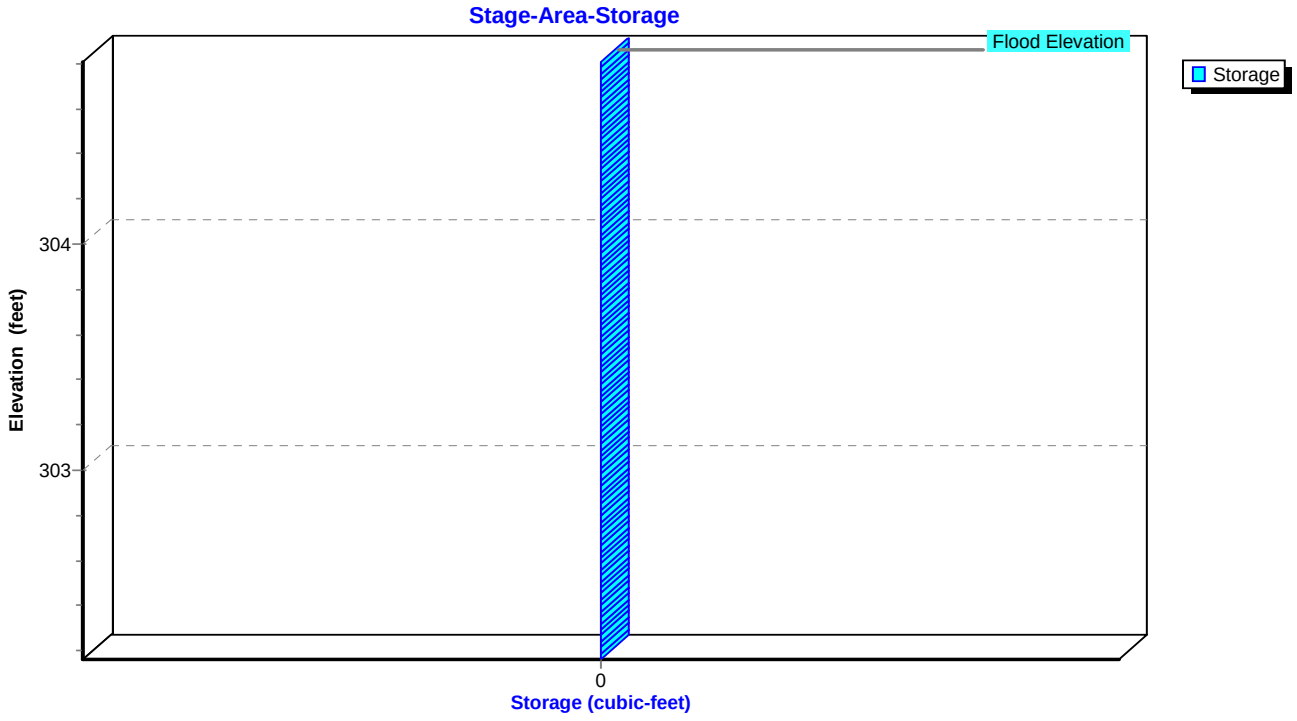
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	302.17	0.00
0.50	0.00	302.17	0.00
1.00	0.00	302.17	0.00
1.50	0.00	302.17	0.00
2.00	0.00	302.17	0.00
2.50	0.00	302.17	0.00
3.00	0.00	302.17	0.00
3.50	0.00	302.17	0.00
4.00	0.00	302.17	0.00
4.50	0.00	302.17	0.00
5.00	0.00	302.17	0.00
5.50	0.00	302.17	0.00
6.00	0.00	302.20	0.00
6.50	0.01	302.21	0.01
7.00	0.01	302.22	0.01
7.50	0.02	302.23	0.02
8.00	0.03	302.25	0.03
8.50	0.04	302.26	0.04
9.00	0.06	302.28	0.06
9.50	0.08	302.30	0.08
10.00	0.10	302.32	0.10
10.50	0.14	302.34	0.14
11.00	0.19	302.37	0.19
11.50	0.32	302.43	0.32
12.00	**1.64**	**302.79**	**1.64**
12.50	**1.07**	**302.66**	**1.07**
13.00	0.37	302.45	0.37
13.50	0.27	302.41	0.27
14.00	0.22	302.39	0.22
14.50	0.19	302.37	0.19
15.00	0.17	302.36	0.17
15.50	0.14	302.34	0.14
16.00	0.12	302.33	0.12
16.50	0.10	302.32	0.10
17.00	0.09	302.31	0.09
17.50	0.08	302.30	0.08
18.00	0.07	302.29	0.07
18.50	0.07	302.29	0.07
19.00	0.06	302.28	0.06
19.50	0.06	302.28	0.06
20.00	0.06	302.28	0.06
20.50	0.05	302.28	0.05
21.00	0.05	302.27	0.05
21.50	0.05	302.27	0.05
22.00	0.05	302.27	0.05
22.50	0.05	302.27	0.05
23.00	0.04	302.26	0.04
23.50	0.04	302.26	0.04
24.00	0.04	302.26	0.04

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
302.17	0.00	303.19	3.69	304.21	7.03
302.19	0.00	303.21	3.79	304.23	7.08
302.21	0.01	303.23	3.89	304.25	7.13
302.23	0.02	303.25	3.99	304.27	7.18
302.25	0.03	303.27	4.08	304.29	7.22
302.27	0.05	303.29	4.18	304.31	7.27
302.29	0.07	303.31	4.27	304.33	7.32
302.31	0.10	303.33	4.36	304.35	7.37
302.33	0.12	303.35	4.44	304.37	7.42
302.35	0.16	303.37	4.52	304.39	7.46
302.37	0.19	303.39	4.59	304.41	7.51
302.39	0.23	303.41	4.65	304.43	7.56
302.41	0.27	303.43	4.71	304.45	7.60
302.43	0.32	303.45	4.78	304.47	7.65
302.45	0.37	303.47	4.85	304.49	7.69
302.47	0.42	303.49	4.93	304.51	7.74
302.49	0.48	303.51	5.00	304.53	7.78
302.51	0.54	303.53	5.07	304.55	7.83
302.53	0.60	303.55	5.13	304.57	7.87
302.55	0.66	303.57	5.20	304.59	7.92
302.57	0.73	303.59	5.27	304.61	7.96
302.59	0.80	303.61	5.33	304.63	8.00
302.61	0.87	303.63	5.40	304.65	8.05
302.63	0.95	303.65	5.46	304.67	8.09
302.65	1.02	303.67	5.53	304.69	8.13
302.67	1.10	303.69	5.59	304.71	8.18
302.69	1.19	303.71	5.65	304.73	8.22
302.71	1.27	303.73	5.71	304.75	8.26
302.73	1.36	303.75	5.77	304.77	8.30
302.75	1.45	303.77	5.83	304.79	**8.35**
302.77	1.54	303.79	5.89		
302.79	1.63	303.81	5.95		
302.81	1.72	303.83	6.01		
302.83	1.82	303.85	6.07		
302.85	1.92	303.87	6.13		
302.87	2.01	303.89	6.18		
302.89	2.11	303.91	6.24		
302.91	2.22	303.93	6.30		
302.93	2.32	303.95	6.35		
302.95	2.42	303.97	6.41		
302.97	2.53	303.99	6.46		
302.99	2.63	304.01	6.51		
303.01	2.74	304.03	6.57		
303.03	2.84	304.05	6.62		
303.05	2.95	304.07	6.67		
303.07	3.06	304.09	6.72		
303.09	3.16	304.11	6.78		
303.11	3.27	304.13	6.83		
303.13	3.37	304.15	6.88		
303.15	3.48	304.17	6.93		
303.17	3.58	304.19	6.98		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
302.17	**0**	303.19	0	304.21	0
302.19	0	303.21	0	304.23	0
302.21	0	303.23	0	304.25	0
302.23	0	303.25	0	304.27	0
302.25	0	303.27	0	304.29	0
302.27	0	303.29	0	304.31	0
302.29	0	303.31	0	304.33	0
302.31	0	303.33	0	304.35	0
302.33	0	303.35	0	304.37	0
302.35	0	303.37	0	304.39	0
302.37	0	303.39	0	304.41	0
302.39	0	303.41	0	304.43	0
302.41	0	303.43	0	304.45	0
302.43	0	303.45	0	304.47	0
302.45	0	303.47	0	304.49	0
302.47	0	303.49	0	304.51	0
302.49	0	303.51	0	304.53	0
302.51	0	303.53	0	304.55	0
302.53	0	303.55	0	304.57	0
302.55	0	303.57	0	304.59	0
302.57	0	303.59	0	304.61	0
302.59	0	303.61	0	304.63	0
302.61	0	303.63	0	304.65	0
302.63	0	303.65	0	304.67	0
302.65	0	303.67	0	304.69	0
302.67	0	303.69	0	304.71	0
302.69	0	303.71	0	304.73	0
302.71	0	303.73	0	304.75	0
302.73	0	303.75	0	304.77	0
302.75	0	303.77	0	304.79	0
302.77	0	303.79	0		
302.79	0	303.81	0		
302.81	0	303.83	0		
302.83	0	303.85	0		
302.85	0	303.87	0		
302.87	0	303.89	0		
302.89	0	303.91	0		
302.91	0	303.93	0		
302.93	0	303.95	0		
302.95	0	303.97	0		
302.97	0	303.99	0		
302.99	0	304.01	0		
303.01	0	304.03	0		
303.03	0	304.05	0		
303.05	0	304.07	0		
303.07	0	304.09	0		
303.09	0	304.11	0		
303.11	0	304.13	0		
303.13	0	304.15	0		
303.15	0	304.17	0		
303.17	0	304.19	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

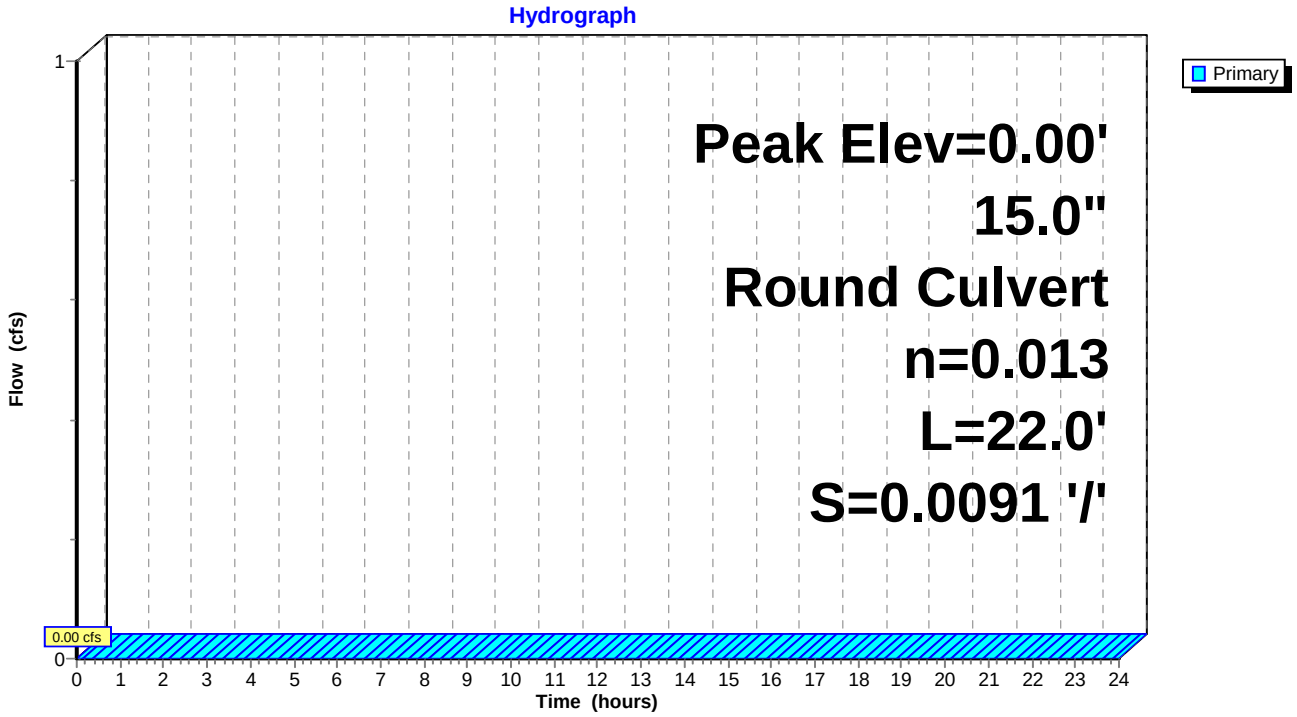
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

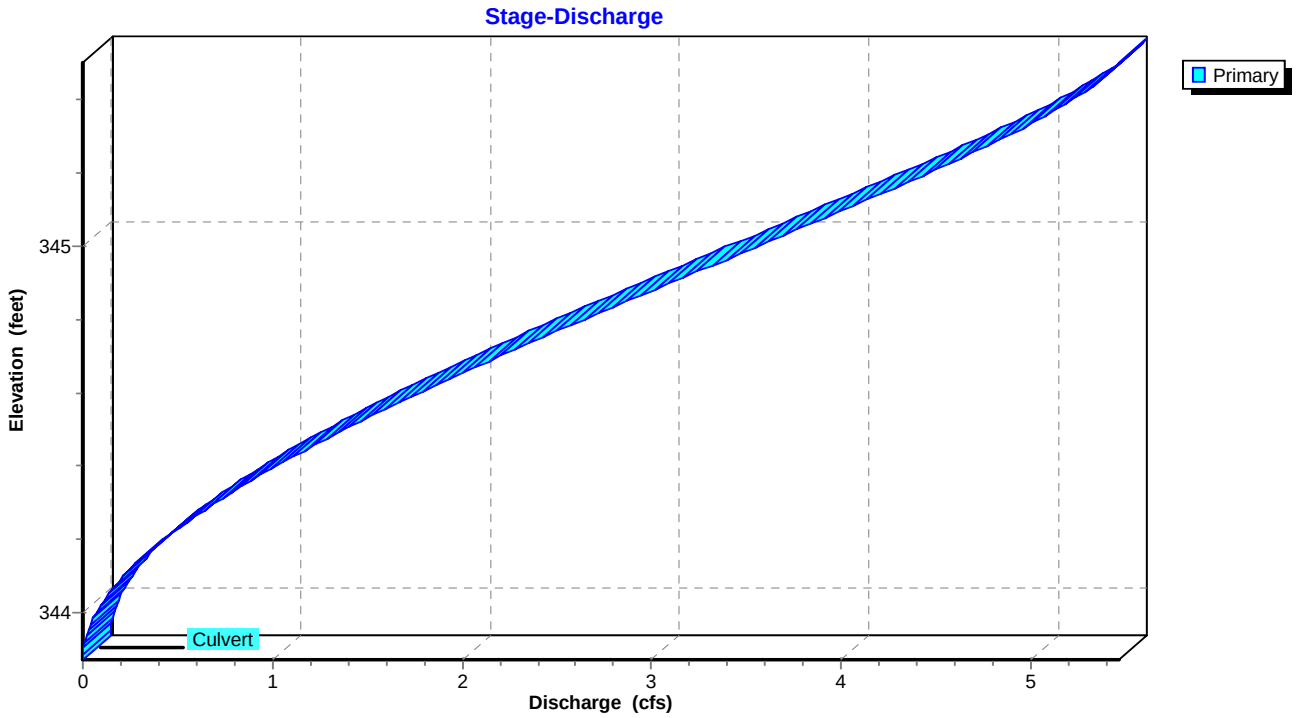
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=343.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

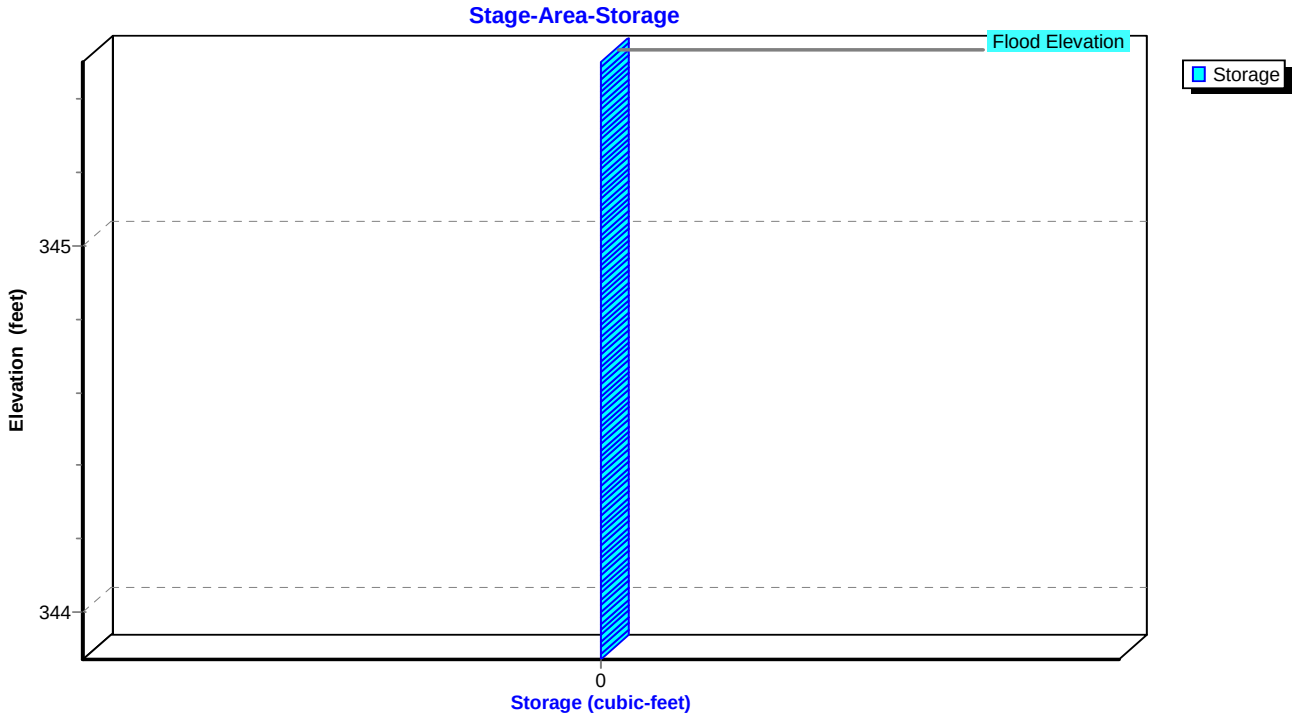
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

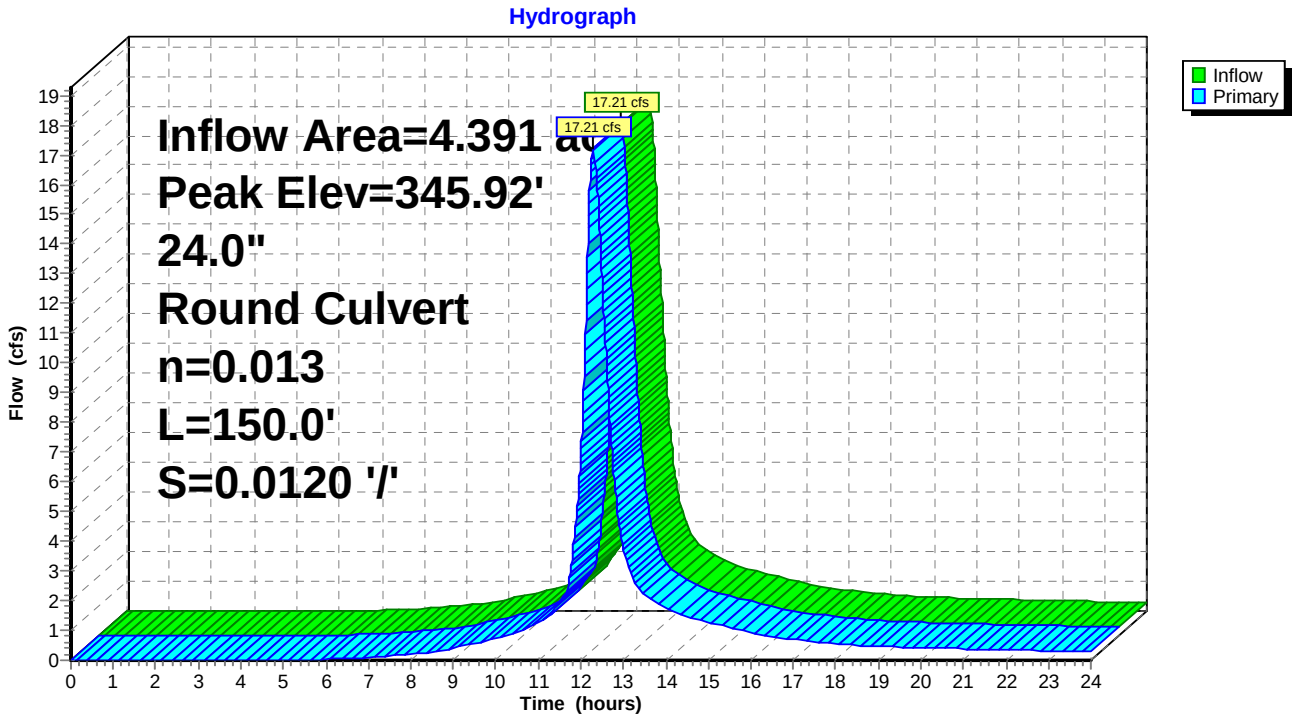
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af
Outflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af, Atten= 0%, Lag= 0.0 min
Primary = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.92' @ 12.29 hrs
Flood Elev= 347.00'

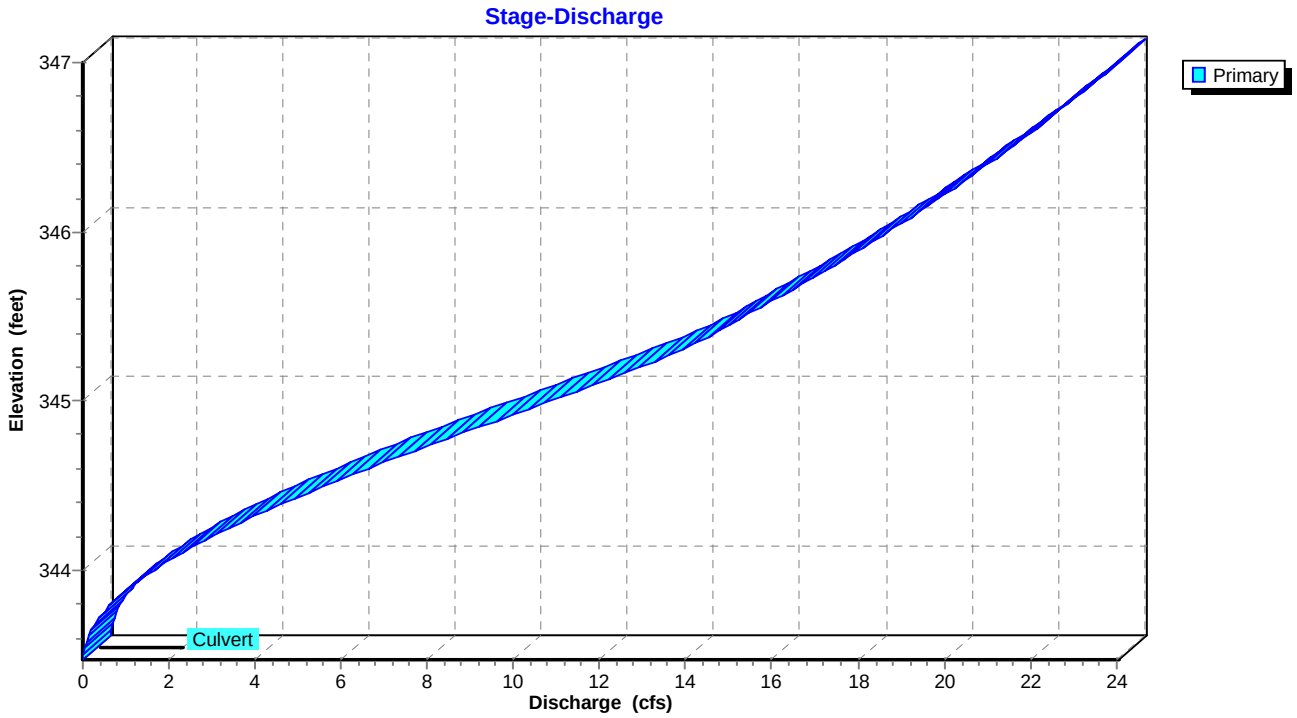
Device	Routing	Invert	Outlet Devices
#1	Primary	343.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 343.47' / 341.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.18 cfs @ 12.29 hrs HW=345.92' TW=344.41' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 17.18 cfs @ 5.69 fps)

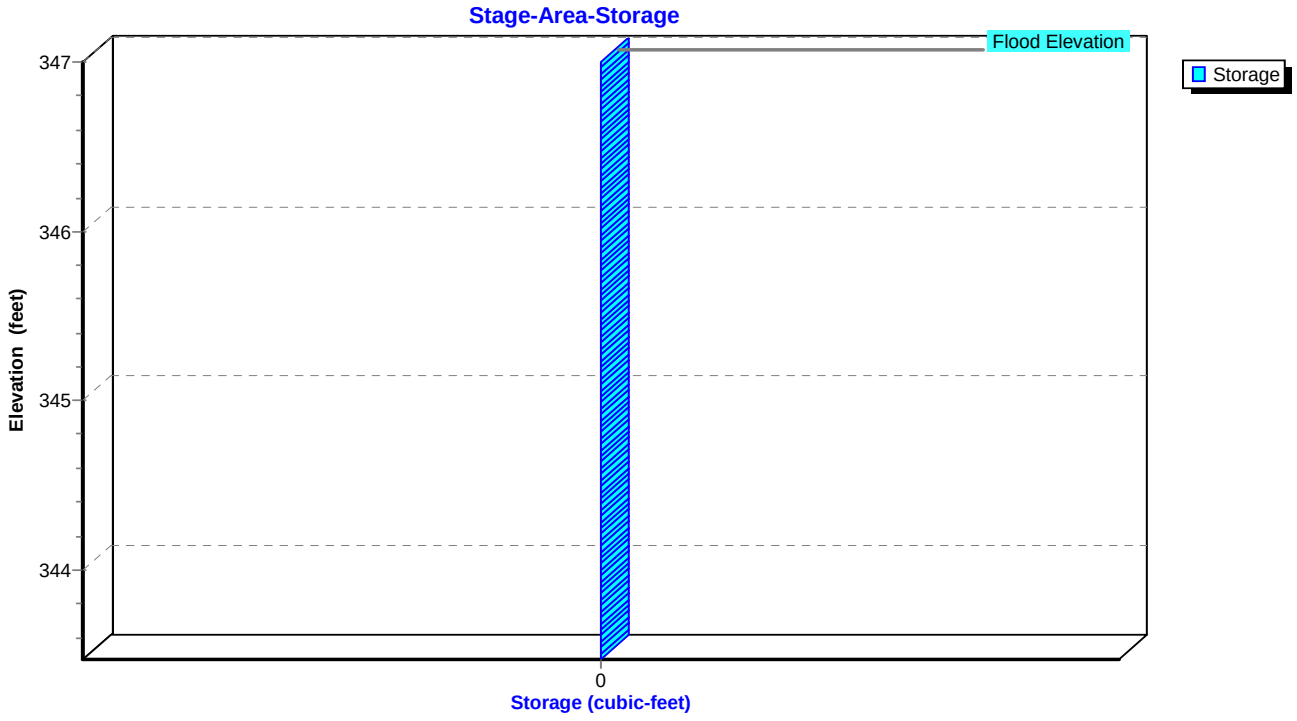
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	343.47	0.00
0.50	0.00	343.47	0.00
1.00	0.00	343.47	0.00
1.50	0.00	343.47	0.00
2.00	0.00	343.47	0.00
2.50	0.00	343.47	0.00
3.00	0.00	343.47	0.00
3.50	0.00	343.47	0.00
4.00	0.00	343.47	0.00
4.50	0.00	343.47	0.00
5.00	0.00	343.47	0.00
5.50	0.01	343.50	0.01
6.00	0.03	343.54	0.03
6.50	0.06	343.56	0.06
7.00	0.10	343.59	0.10
7.50	0.15	343.62	0.15
8.00	0.21	343.65	0.21
8.50	0.29	343.69	0.29
9.00	0.41	343.73	0.41
9.50	0.55	343.77	0.55
10.00	0.72	343.81	0.72
10.50	0.95	343.87	0.95
11.00	1.28	343.93	1.28
11.50	1.93	344.04	1.93
12.00	**6.86**	**344.62**	**6.86**
12.50	**12.86**	**345.22**	**12.86**
13.00	3.77	344.29	3.77
13.50	2.18	344.08	2.18
14.00	1.75	344.02	1.75
14.50	1.46	343.97	1.46
15.00	1.28	343.93	1.28
15.50	1.10	343.90	1.10
16.00	0.93	343.86	0.93
16.50	0.79	343.83	0.79
17.00	0.71	343.81	0.71
17.50	0.63	343.79	0.63
18.00	0.55	343.77	0.55
18.50	0.49	343.75	0.49
19.00	0.47	343.75	0.47
19.50	0.44	343.74	0.44
20.00	0.42	343.73	0.42
20.50	0.40	343.72	0.40
21.00	0.38	343.72	0.38
21.50	0.37	343.71	0.37
22.00	0.35	343.71	0.35
22.50	0.33	343.70	0.33
23.00	0.31	343.69	0.31
23.50	0.30	343.69	0.30
24.00	0.28	343.68	0.28

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.47	0.00	344.49	5.54	345.51	15.43	346.53	21.71
343.49	0.00	344.51	5.73	345.53	15.57	346.55	21.82
343.51	0.01	344.53	5.93	345.55	15.72	346.57	21.92
343.53	0.02	344.55	6.12	345.57	15.87	346.59	22.02
343.55	0.04	344.57	6.32	345.59	16.01	346.61	22.13
343.57	0.06	344.59	6.52	345.61	16.15	346.63	22.23
343.59	0.09	344.61	6.72	345.63	16.29	346.65	22.33
343.61	0.12	344.63	6.93	345.65	16.43	346.67	22.44
343.63	0.16	344.65	7.13	345.67	16.57	346.69	22.54
343.65	0.20	344.67	7.34	345.69	16.71	346.71	22.64
343.67	0.25	344.69	7.55	345.71	16.84	346.73	22.74
343.69	0.30	344.71	7.76	345.73	16.98	346.75	22.84
343.71	0.36	344.73	7.97	345.75	17.11	346.77	22.94
343.73	0.42	344.75	8.18	345.77	17.25	346.79	23.04
343.75	0.48	344.77	8.39	345.79	17.38	346.81	23.14
343.77	0.55	344.79	8.60	345.81	17.51	346.83	23.24
343.79	0.62	344.81	8.82	345.83	17.64	346.85	23.34
343.81	0.70	344.83	9.03	345.85	17.77	346.87	23.43
343.83	0.79	344.85	9.25	345.87	17.90	346.89	23.53
343.85	0.87	344.87	9.46	345.89	18.03	346.91	23.63
343.87	0.96	344.89	9.68	345.91	18.15	346.93	23.73
343.89	1.06	344.91	9.89	345.93	18.28	346.95	23.82
343.91	1.16	344.93	10.11	345.95	18.40	346.97	23.92
343.93	1.26	344.95	10.32	345.97	18.53	346.99	**24.01**
343.95	1.37	344.97	10.54	345.99	18.65		
343.97	1.48	344.99	10.75	346.01	18.77		
343.99	1.59	345.01	10.97	346.03	18.89		
344.01	1.71	345.03	11.18	346.05	19.01		
344.03	1.83	345.05	11.39	346.07	19.13		
344.05	1.96	345.07	11.60	346.09	19.25		
344.07	2.09	345.09	11.81	346.11	19.37		
344.09	2.22	345.11	12.02	346.13	19.49		
344.11	2.36	345.13	12.23	346.15	19.61		
344.13	2.50	345.15	12.43	346.17	19.72		
344.15	2.64	345.17	12.63	346.19	19.84		
344.17	2.79	345.19	12.83	346.21	19.95		
344.19	2.94	345.21	13.03	346.23	20.07		
344.21	3.09	345.23	13.23	346.25	20.18		
344.23	3.25	345.25	13.42	346.27	20.29		
344.25	3.41	345.27	13.60	346.29	20.41		
344.27	3.57	345.29	13.79	346.31	20.52		
344.29	3.74	345.31	13.97	346.33	20.63		
344.31	3.91	345.33	14.14	346.35	20.74		
344.33	4.08	345.35	14.31	346.37	20.85		
344.35	4.25	345.37	14.47	346.39	20.96		
344.37	4.43	345.39	14.62	346.41	21.07		
344.39	4.61	345.41	14.77	346.43	21.18		
344.41	4.79	345.43	14.90	346.45	21.29		
344.43	4.97	345.45	15.03	346.47	21.39		
344.45	5.16	345.47	15.13	346.49	21.50		
344.47	5.35	345.49	15.28	346.51	21.61		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)
343.47	**0**
343.52	0
343.57	0
343.62	0
343.67	0
343.72	0
343.77	0
343.82	0
343.87	0
343.92	0
343.97	0
344.02	0
344.07	0
344.12	0
344.17	0
344.22	0
344.27	0
344.32	0
344.37	0
344.42	0
344.47	0
344.52	0
344.57	0
344.62	0
344.67	0
344.72	0
344.77	0
344.82	0
344.87	0
344.92	0
344.97	0
345.02	0
345.07	0
345.12	0
345.17	0
345.22	0
345.27	0
345.32	0
345.37	0
345.42	0
345.47	0
345.52	0
345.57	0
345.62	0
345.67	0
345.72	0
345.77	0
345.82	0
345.87	0
345.92	0
345.97	0

Elevation (feet)	Storage (cubic-feet)
346.02	0
346.07	0
346.12	0
346.17	0
346.22	0
346.27	0
346.32	0
346.37	0
346.42	0
346.47	0
346.52	0
346.57	0
346.62	0
346.67	0
346.72	0
346.77	0
346.82	0
346.87	0
346.92	0
346.97	0

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

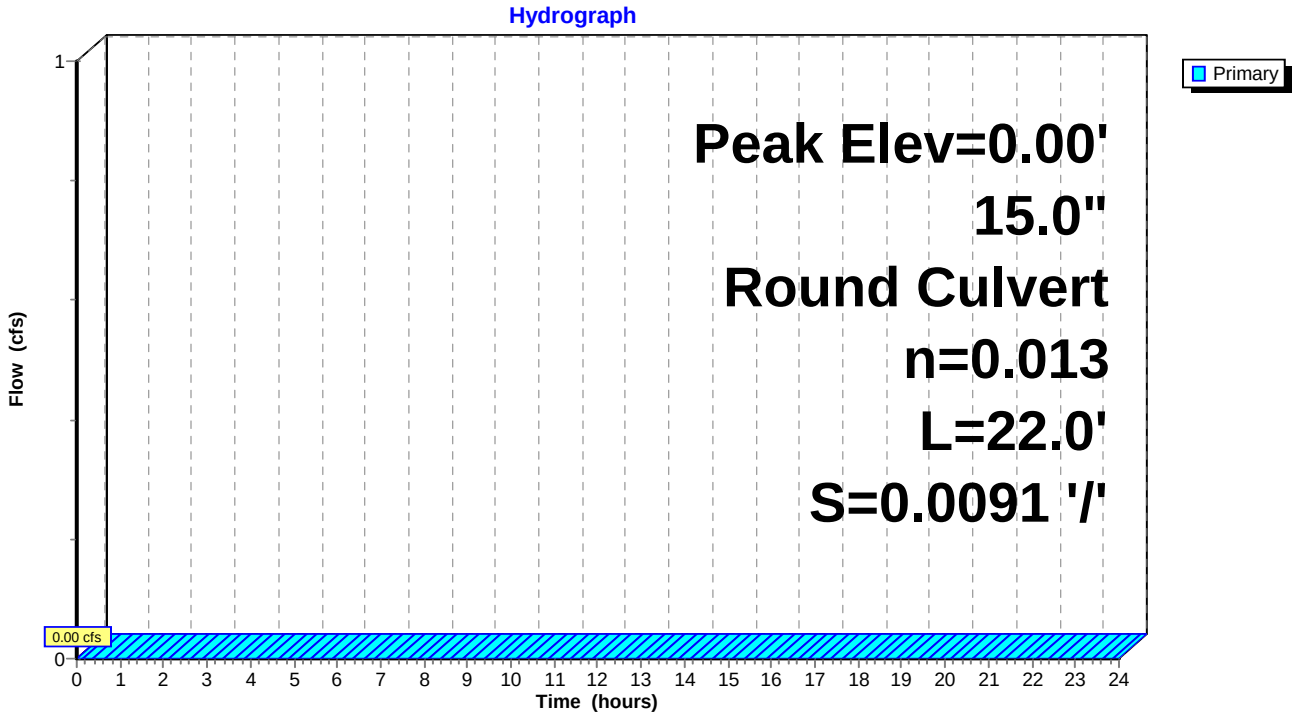
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

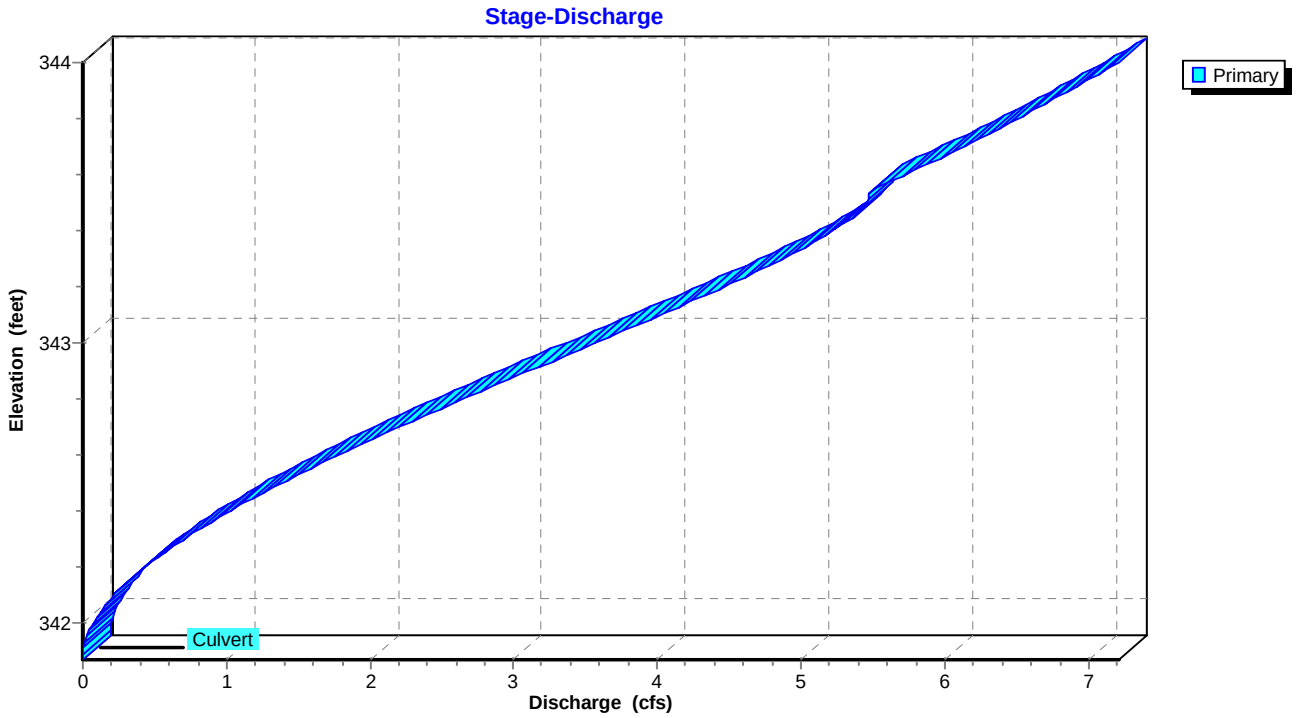
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=341.47' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

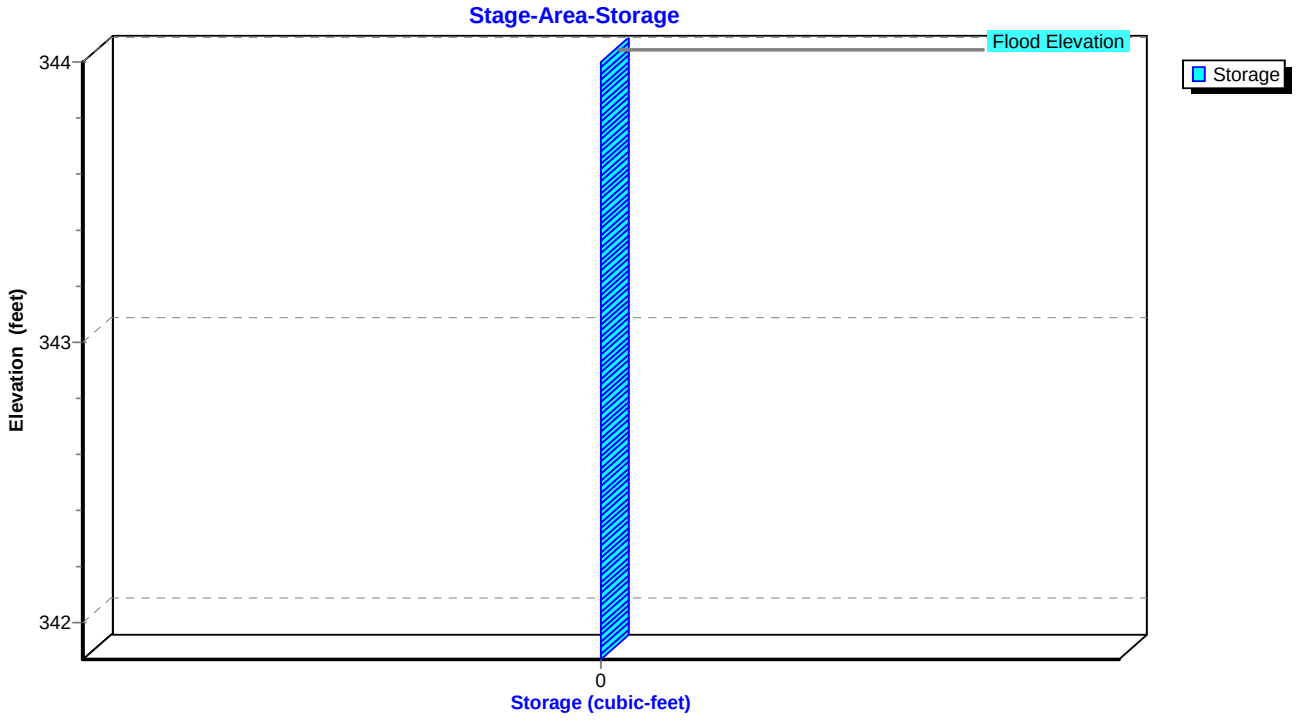
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

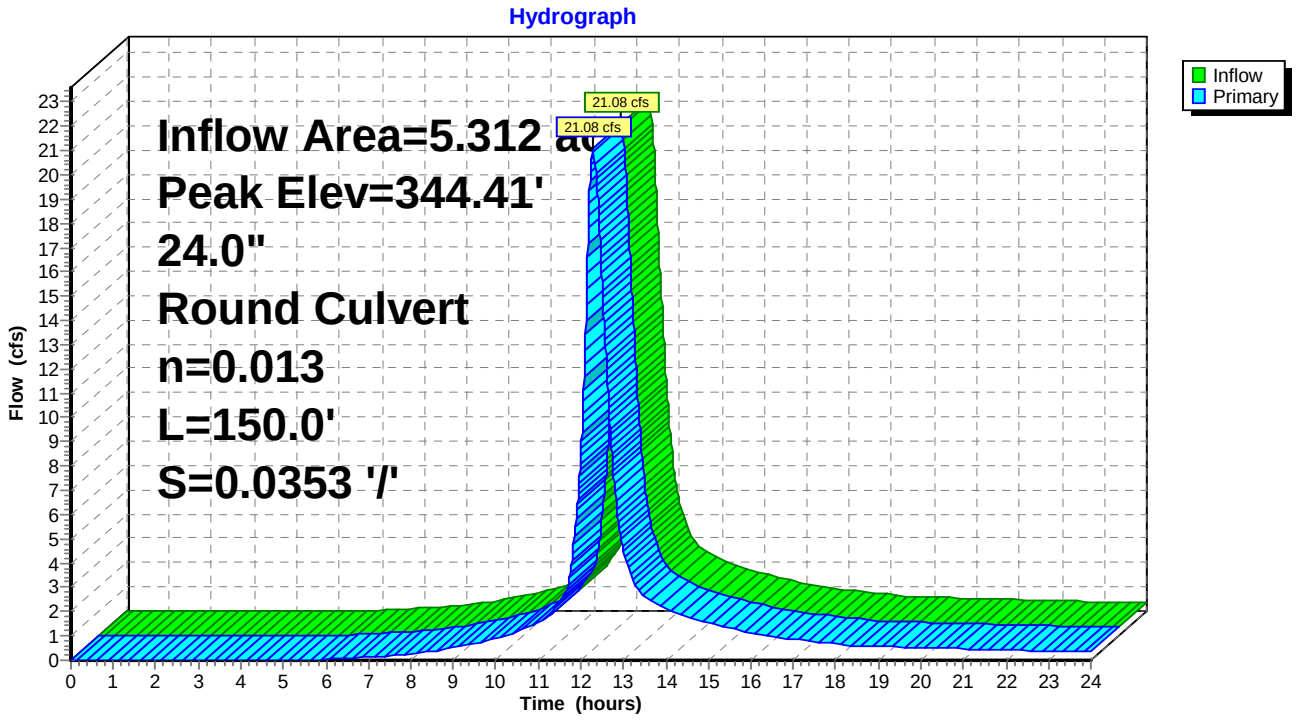
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 5.40" for 100-Year event
Inflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af
Outflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af, Atten= 0%, Lag= 0.0 min
Primary = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.41' @ 12.29 hrs
Flood Elev= 345.00'

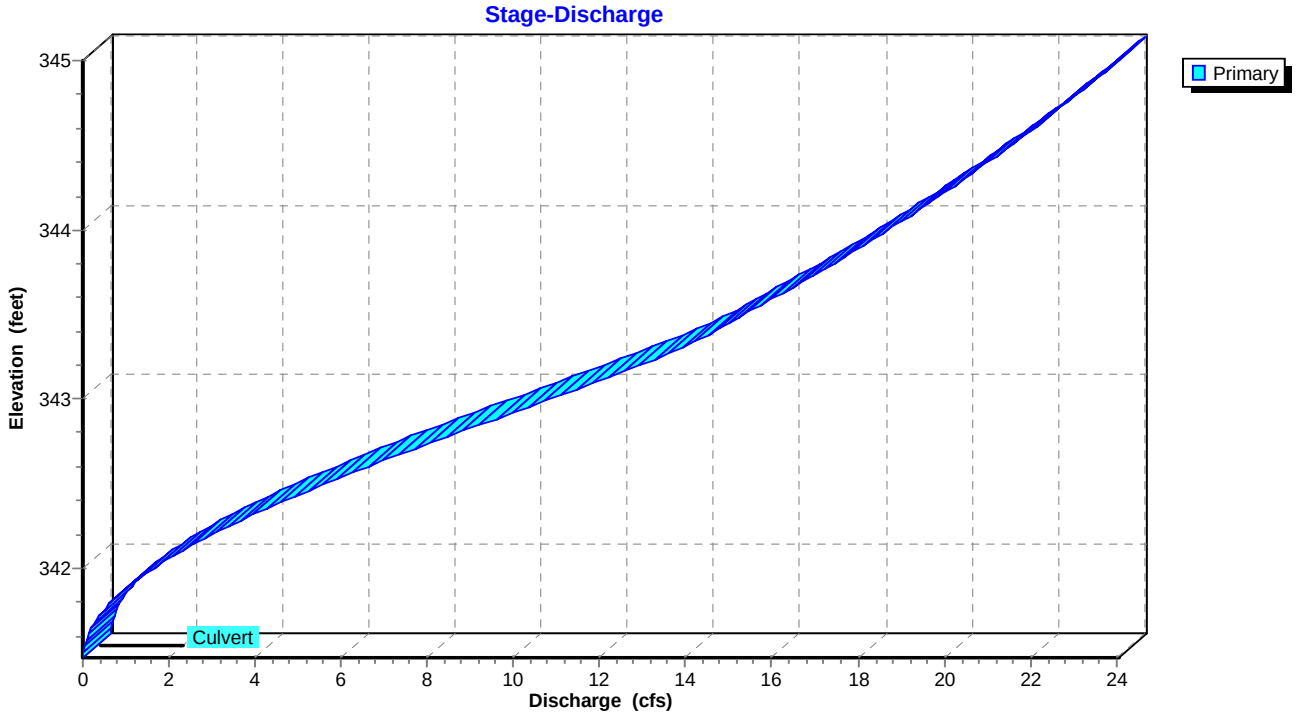
Device	Routing	Invert	Outlet Devices
#1	Primary	341.47'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 341.47' / 336.17' S= 0.0353 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.07 cfs @ 12.29 hrs HW=344.41' TW=339.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.07 cfs @ 6.71 fps)

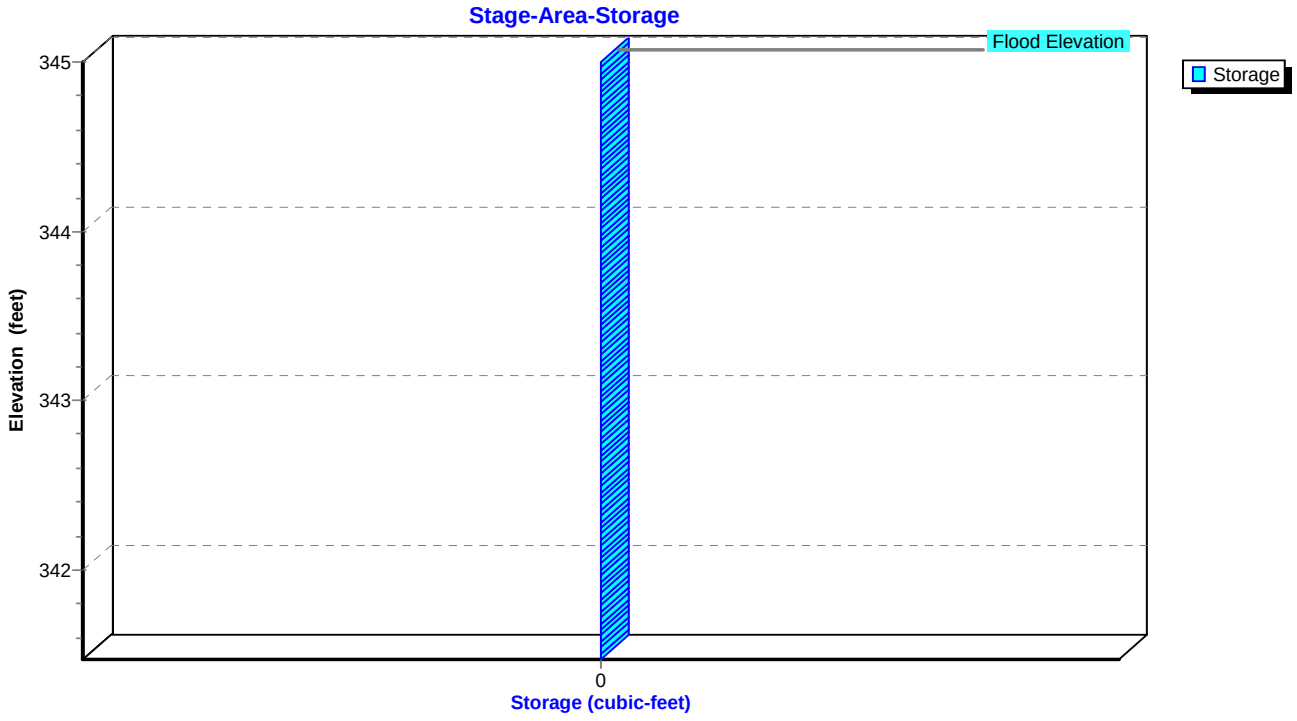
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	341.47	0.00
0.50	0.00	341.47	0.00
1.00	0.00	341.47	0.00
1.50	0.00	341.47	0.00
2.00	0.00	341.47	0.00
2.50	0.00	341.47	0.00
3.00	0.00	341.47	0.00
3.50	0.00	341.47	0.00
4.00	0.00	341.47	0.00
4.50	0.00	341.47	0.00
5.00	0.00	341.48	0.00
5.50	0.01	341.52	0.01
6.00	0.04	341.55	0.04
6.50	0.08	341.58	0.08
7.00	0.13	341.61	0.13
7.50	0.19	341.64	0.19
8.00	0.26	341.68	0.26
8.50	0.36	341.71	0.36
9.00	0.51	341.76	0.51
9.50	0.69	341.81	0.69
10.00	0.89	341.85	0.89
10.50	1.17	341.91	1.17
11.00	1.57	341.99	1.57
11.50	2.37	342.11	2.37
12.00	**8.41**	**342.77**	**8.41**
12.50	**15.59**	**343.53**	**15.59**
13.00	4.54	342.38	4.54
13.50	2.63	342.15	2.63
14.00	2.12	342.07	2.12
14.50	1.76	342.02	1.76
15.00	1.55	341.98	1.55
15.50	1.34	341.94	1.34
16.00	1.12	341.90	1.12
16.50	0.95	341.87	0.95
17.00	0.85	341.85	0.85
17.50	0.76	341.82	0.76
18.00	0.67	341.80	0.67
18.50	0.60	341.78	0.60
19.00	0.57	341.77	0.57
19.50	0.54	341.77	0.54
20.00	0.51	341.76	0.51
20.50	0.49	341.75	0.49
21.00	0.46	341.74	0.46
21.50	0.44	341.74	0.44
22.00	0.42	341.73	0.42
22.50	0.40	341.72	0.40
23.00	0.38	341.72	0.38
23.50	0.36	341.71	0.36
24.00	0.34	341.70	0.34

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.47	0.00	342.49	5.54	343.51	15.43	344.53	21.71
341.49	0.00	342.51	5.73	343.53	15.57	344.55	21.82
341.51	0.01	342.53	5.93	343.55	15.72	344.57	21.92
341.53	0.02	342.55	6.12	343.57	15.87	344.59	22.02
341.55	0.04	342.57	6.32	343.59	16.01	344.61	22.13
341.57	0.06	342.59	6.52	343.61	16.15	344.63	22.23
341.59	0.09	342.61	6.72	343.63	16.29	344.65	22.33
341.61	0.12	342.63	6.93	343.65	16.43	344.67	22.44
341.63	0.16	342.65	7.13	343.67	16.57	344.69	22.54
341.65	0.20	342.67	7.34	343.69	16.71	344.71	22.64
341.67	0.25	342.69	7.55	343.71	16.84	344.73	22.74
341.69	0.30	342.71	7.76	343.73	16.98	344.75	22.84
341.71	0.36	342.73	7.97	343.75	17.11	344.77	22.94
341.73	0.42	342.75	8.18	343.77	17.25	344.79	23.04
341.75	0.48	342.77	8.39	343.79	17.38	344.81	23.14
341.77	0.55	342.79	8.60	343.81	17.51	344.83	23.24
341.79	0.62	342.81	8.82	343.83	17.64	344.85	23.34
341.81	0.70	342.83	9.03	343.85	17.77	344.87	23.43
341.83	0.79	342.85	9.25	343.87	17.90	344.89	23.53
341.85	0.87	342.87	9.46	343.89	18.03	344.91	23.63
341.87	0.96	342.89	9.68	343.91	18.15	344.93	23.73
341.89	1.06	342.91	9.89	343.93	18.28	344.95	23.82
341.91	1.16	342.93	10.11	343.95	18.40	344.97	23.92
341.93	1.26	342.95	10.32	343.97	18.53	344.99	**24.01**
341.95	1.37	342.97	10.54	343.99	18.65		
341.97	1.48	342.99	10.75	344.01	18.77		
341.99	1.59	343.01	10.97	344.03	18.89		
342.01	1.71	343.03	11.18	344.05	19.01		
342.03	1.83	343.05	11.39	344.07	19.13		
342.05	1.96	343.07	11.60	344.09	19.25		
342.07	2.09	343.09	11.81	344.11	19.37		
342.09	2.22	343.11	12.02	344.13	19.49		
342.11	2.36	343.13	12.23	344.15	19.61		
342.13	2.50	343.15	12.43	344.17	19.72		
342.15	2.64	343.17	12.63	344.19	19.84		
342.17	2.79	343.19	12.83	344.21	19.95		
342.19	2.94	343.21	13.03	344.23	20.07		
342.21	3.09	343.23	13.23	344.25	20.18		
342.23	3.25	343.25	13.42	344.27	20.29		
342.25	3.41	343.27	13.60	344.29	20.41		
342.27	3.57	343.29	13.79	344.31	20.52		
342.29	3.74	343.31	13.97	344.33	20.63		
342.31	3.91	343.33	14.14	344.35	20.74		
342.33	4.08	343.35	14.31	344.37	20.85		
342.35	4.25	343.37	14.47	344.39	20.96		
342.37	4.43	343.39	14.62	344.41	21.07		
342.39	4.61	343.41	14.77	344.43	21.18		
342.41	4.79	343.43	14.90	344.45	21.29		
342.43	4.97	343.45	15.03	344.47	21.39		
342.45	5.16	343.47	15.13	344.49	21.50		
342.47	5.35	343.49	15.28	344.51	21.61		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.47	**0**	344.02	0
341.52	0	344.07	0
341.57	0	344.12	0
341.62	0	344.17	0
341.67	0	344.22	0
341.72	0	344.27	0
341.77	0	344.32	0
341.82	0	344.37	0
341.87	0	344.42	0
341.92	0	344.47	0
341.97	0	344.52	0
342.02	0	344.57	0
342.07	0	344.62	0
342.12	0	344.67	0
342.17	0	344.72	0
342.22	0	344.77	0
342.27	0	344.82	0
342.32	0	344.87	0
342.37	0	344.92	0
342.42	0	344.97	0
342.47	0		
342.52	0		
342.57	0		
342.62	0		
342.67	0		
342.72	0		
342.77	0		
342.82	0		
342.87	0		
342.92	0		
342.97	0		
343.02	0		
343.07	0		
343.12	0		
343.17	0		
343.22	0		
343.27	0		
343.32	0		
343.37	0		
343.42	0		
343.47	0		
343.52	0		
343.57	0		
343.62	0		
343.67	0		
343.72	0		
343.77	0		
343.82	0		
343.87	0		
343.92	0		
343.97	0		

Summary for Pond CB4: Catchbasin

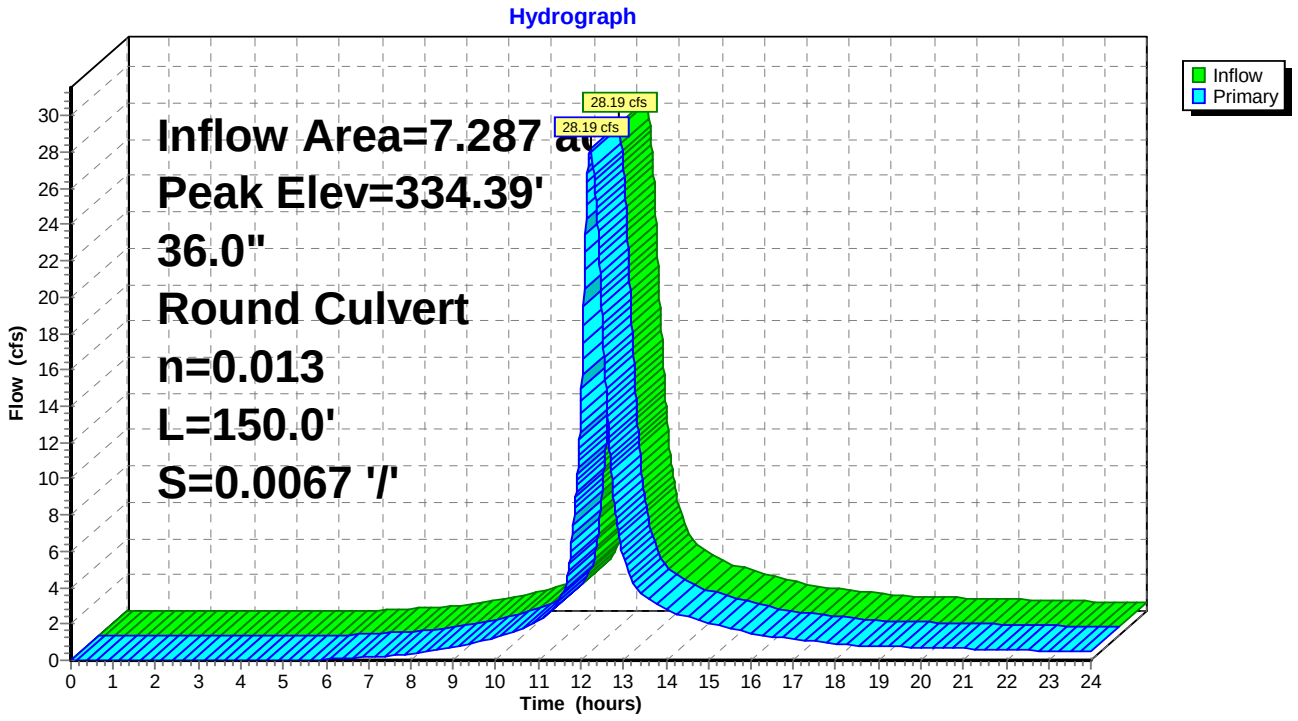
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.39' @ 12.23 hrs
Flood Elev= 337.75'

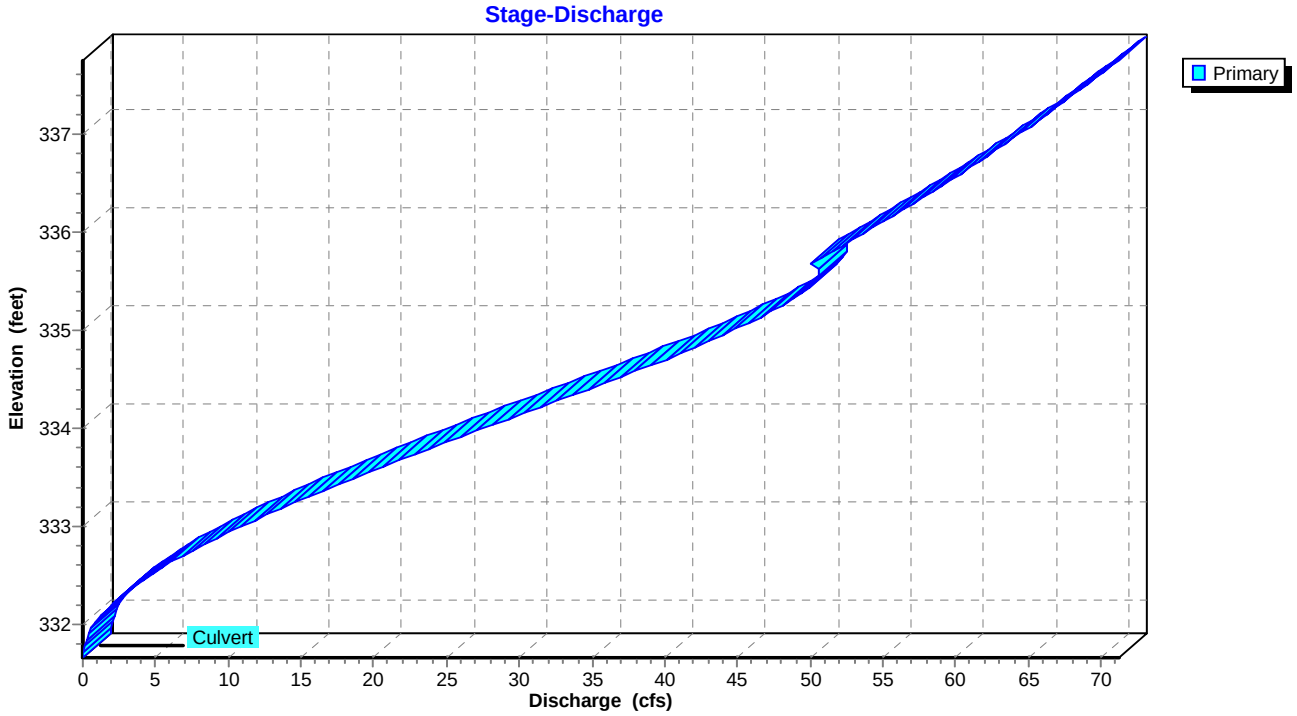
Device	Routing	Invert	Outlet Devices
#1	Primary	331.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 331.67' / 330.67' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.24 cfs @ 12.23 hrs HW=334.39' TW=333.26' (Dynamic Tailwater)
1=Culvert (Outlet Controls 28.24 cfs @ 5.52 fps)

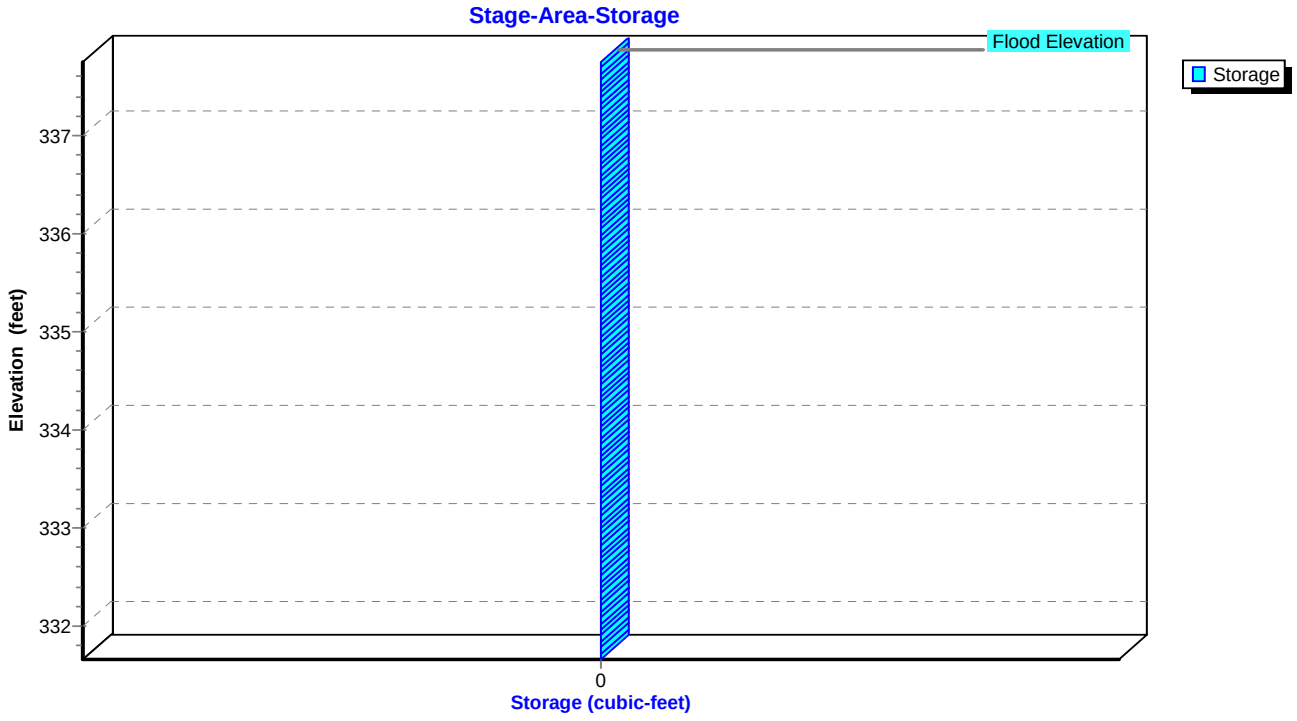
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	331.67	0.00
0.50	0.00	331.67	0.00
1.00	0.00	331.67	0.00
1.50	0.00	331.67	0.00
2.00	0.00	331.67	0.00
2.50	0.00	331.67	0.00
3.00	0.00	331.67	0.00
3.50	0.00	331.67	0.00
4.00	0.00	331.67	0.00
4.50	0.00	331.67	0.00
5.00	0.00	331.69	0.00
5.50	0.01	331.72	0.01
6.00	0.05	331.76	0.05
6.50	0.10	331.80	0.10
7.00	0.17	331.83	0.17
7.50	0.25	331.87	0.25
8.00	0.35	331.90	0.35
8.50	0.50	331.94	0.50
9.00	0.70	331.99	0.70
9.50	0.95	332.05	0.95
10.00	1.23	332.10	1.23
10.50	1.63	332.16	1.63
11.00	2.19	332.24	2.19
11.50	3.39	332.38	3.39
12.00	**13.64**	**333.28**	**13.64**
12.50	**19.03**	**333.66**	**19.03**
13.00	5.72	332.62	5.72
13.50	3.51	332.40	3.51
14.00	2.84	332.32	2.84
14.50	2.38	332.26	2.38
15.00	2.09	332.23	2.09
15.50	1.80	332.19	1.80
16.00	1.51	332.14	1.51
16.50	1.29	332.11	1.29
17.00	1.16	332.08	1.16
17.50	1.03	332.06	1.03
18.00	0.90	332.04	0.90
18.50	0.81	332.02	0.81
19.00	0.77	332.01	0.77
19.50	0.73	332.00	0.73
20.00	0.70	331.99	0.70
20.50	0.66	331.99	0.66
21.00	0.63	331.98	0.63
21.50	0.60	331.97	0.60
22.00	0.57	331.96	0.57
22.50	0.55	331.96	0.55
23.00	0.52	331.95	0.52
23.50	0.49	331.94	0.49
24.00	0.46	331.93	0.46

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
331.67	0.00	333.71	22.29	335.75	50.85
331.71	0.01	333.75	23.00	335.79	51.33
331.75	0.04	333.79	23.70	335.83	51.81
331.79	0.09	333.83	24.42	335.87	52.29
331.83	0.16	333.87	25.13	335.91	52.76
331.87	0.26	333.91	25.85	335.95	53.23
331.91	0.38	333.95	26.57	335.99	53.70
331.95	0.52	333.99	27.29	336.03	54.16
331.99	0.68	334.03	28.01	336.07	54.62
332.03	0.87	334.07	28.74	336.11	55.07
332.07	1.08	334.11	29.46	336.15	55.52
332.11	1.31	334.15	30.19	336.19	55.97
332.15	1.56	334.19	30.91	336.23	56.41
332.19	1.83	334.23	31.63	336.27	56.85
332.23	2.12	334.27	32.36	336.31	57.28
332.27	2.42	334.31	33.08	336.35	57.71
332.31	2.75	334.35	33.79	336.39	58.14
332.35	3.09	334.39	34.51	336.43	58.57
332.39	3.46	334.43	35.22	336.47	58.99
332.43	3.83	334.47	35.93	336.51	59.41
332.47	4.23	334.51	36.64	336.55	59.83
332.51	4.64	334.55	37.34	336.59	60.24
332.55	5.07	334.59	38.03	336.63	60.65
332.59	5.51	334.63	38.72	336.67	61.06
332.63	5.96	334.67	39.40	336.71	61.47
332.67	6.43	334.71	40.08	336.75	61.87
332.71	6.91	334.75	40.74	336.79	62.27
332.75	7.41	334.79	41.40	336.83	62.67
332.79	7.92	334.83	42.05	336.87	63.07
332.83	8.44	334.87	42.68	336.91	63.46
332.87	8.97	334.91	43.31	336.95	63.85
332.91	9.52	334.95	43.92	336.99	64.24
332.95	10.07	334.99	44.52	337.03	64.62
332.99	10.64	335.03	45.11	337.07	65.01
333.03	11.22	335.07	45.68	337.11	65.39
333.07	11.81	335.11	46.23	337.15	65.77
333.11	12.40	335.15	46.76	337.19	66.14
333.15	13.01	335.19	47.28	337.23	66.52
333.19	13.63	335.23	47.77	337.27	66.89
333.23	14.25	335.27	48.23	337.31	67.26
333.27	14.88	335.31	48.67	337.35	67.63
333.31	15.52	335.35	49.08	337.39	68.00
333.35	16.17	335.39	49.46	337.43	68.36
333.39	16.83	335.43	49.80	337.47	68.72
333.43	17.49	335.47	50.09	337.51	69.09
333.47	18.16	335.51	50.33	337.55	69.44
333.51	18.83	335.55	50.50	337.59	69.80
333.55	19.51	335.59	50.59	337.63	70.16
333.59	20.20	335.63	50.53	337.67	70.51
333.63	20.89	335.67	49.86	337.71	70.86
333.67	21.59	335.71	50.35	337.75	**71.21**

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
331.67	**0**	333.71	0	335.75	0
331.71	0	333.75	0	335.79	0
331.75	0	333.79	0	335.83	0
331.79	0	333.83	0	335.87	0
331.83	0	333.87	0	335.91	0
331.87	0	333.91	0	335.95	0
331.91	0	333.95	0	335.99	0
331.95	0	333.99	0	336.03	0
331.99	0	334.03	0	336.07	0
332.03	0	334.07	0	336.11	0
332.07	0	334.11	0	336.15	0
332.11	0	334.15	0	336.19	0
332.15	0	334.19	0	336.23	0
332.19	0	334.23	0	336.27	0
332.23	0	334.27	0	336.31	0
332.27	0	334.31	0	336.35	0
332.31	0	334.35	0	336.39	0
332.35	0	334.39	0	336.43	0
332.39	0	334.43	0	336.47	0
332.43	0	334.47	0	336.51	0
332.47	0	334.51	0	336.55	0
332.51	0	334.55	0	336.59	0
332.55	0	334.59	0	336.63	0
332.59	0	334.63	0	336.67	0
332.63	0	334.67	0	336.71	0
332.67	0	334.71	0	336.75	0
332.71	0	334.75	0	336.79	0
332.75	0	334.79	0	336.83	0
332.79	0	334.83	0	336.87	0
332.83	0	334.87	0	336.91	0
332.87	0	334.91	0	336.95	0
332.91	0	334.95	0	336.99	0
332.95	0	334.99	0	337.03	0
332.99	0	335.03	0	337.07	0
333.03	0	335.07	0	337.11	0
333.07	0	335.11	0	337.15	0
333.11	0	335.15	0	337.19	0
333.15	0	335.19	0	337.23	0
333.19	0	335.23	0	337.27	0
333.23	0	335.27	0	337.31	0
333.27	0	335.31	0	337.35	0
333.31	0	335.35	0	337.39	0
333.35	0	335.39	0	337.43	0
333.39	0	335.43	0	337.47	0
333.43	0	335.47	0	337.51	0
333.47	0	335.51	0	337.55	0
333.51	0	335.55	0	337.59	0
333.55	0	335.59	0	337.63	0
333.59	0	335.63	0	337.67	0
333.63	0	335.67	0	337.71	0
333.67	0	335.71	0	337.75	0

Summary for Pond CB4-1: CB1-1

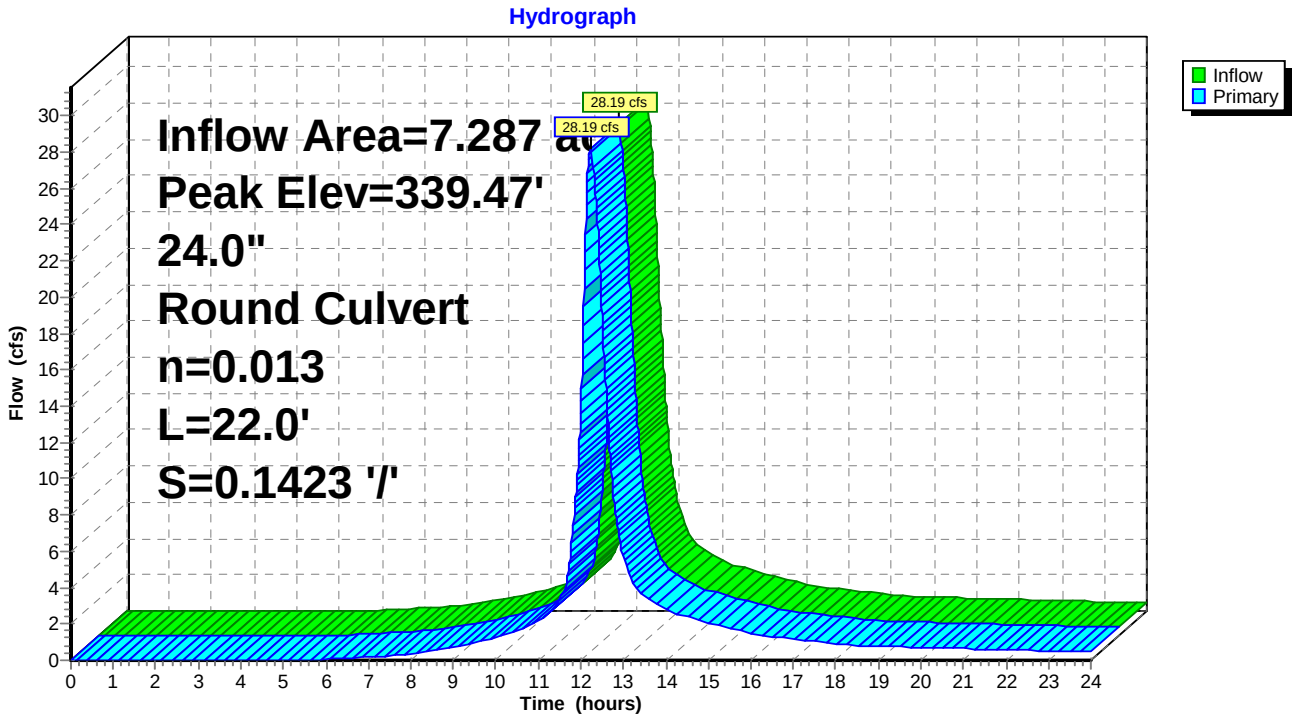
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 339.47' @ 12.23 hrs
Flood Elev= 339.50'

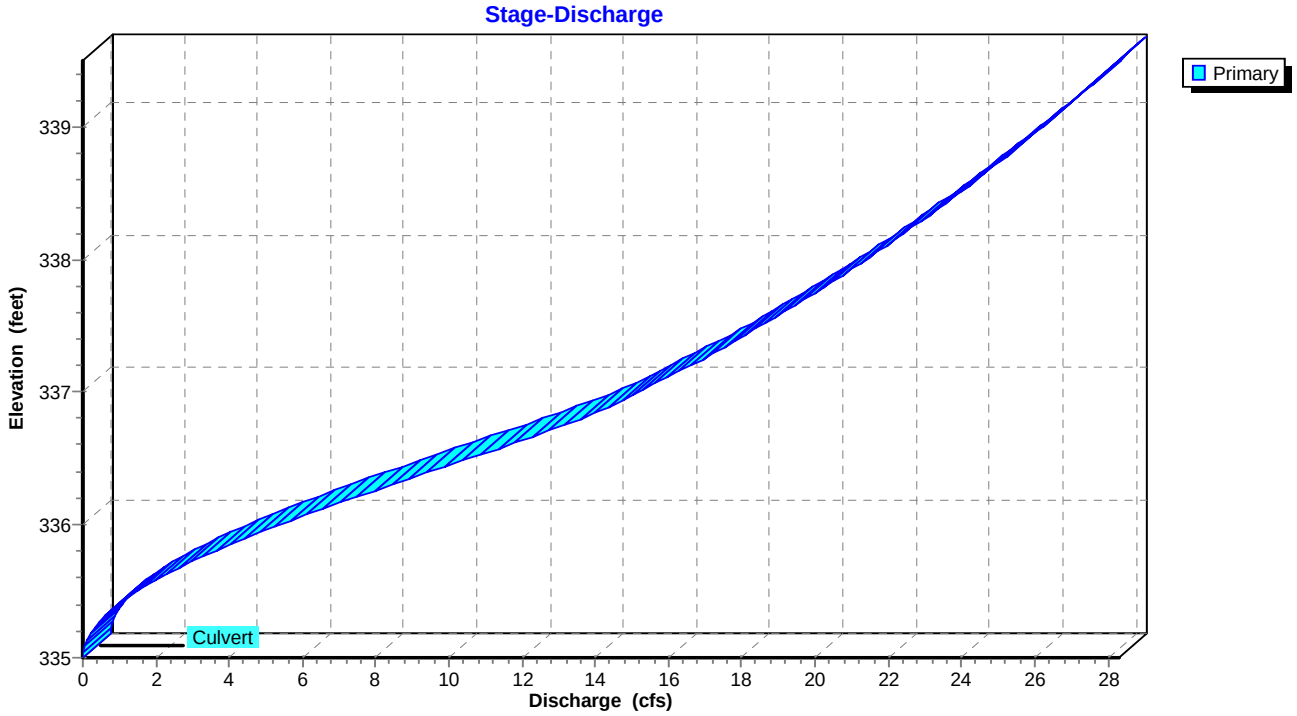
Device	Routing	Invert	Outlet Devices
#1	Primary	335.00'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.00' / 331.87' S= 0.1423 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=28.19 cfs @ 12.23 hrs HW=339.47' TW=334.39' (Dynamic Tailwater)
1=Culvert (Inlet Controls 28.19 cfs @ 8.97 fps)

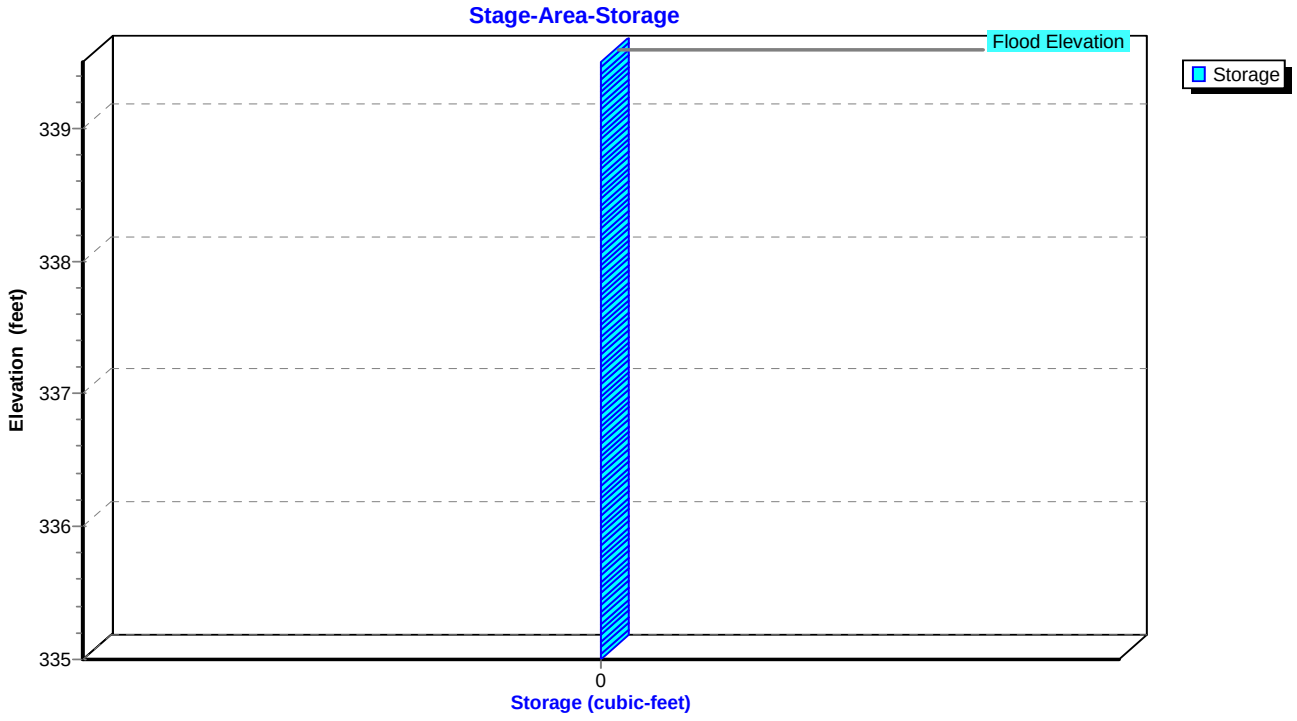
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.00	0.00
0.50	0.00	335.00	0.00
1.00	0.00	335.00	0.00
1.50	0.00	335.00	0.00
2.00	0.00	335.00	0.00
2.50	0.00	335.00	0.00
3.00	0.00	335.00	0.00
3.50	0.00	335.00	0.00
4.00	0.00	335.00	0.00
4.50	0.00	335.00	0.00
5.00	0.00	335.01	0.00
5.50	0.01	335.05	0.01
6.00	0.05	335.09	0.05
6.50	0.10	335.13	0.10
7.00	0.17	335.16	0.17
7.50	0.25	335.20	0.25
8.00	0.35	335.24	0.35
8.50	0.50	335.28	0.50
9.00	0.70	335.34	0.70
9.50	0.95	335.40	0.95
10.00	1.23	335.45	1.23
10.50	1.63	335.53	1.63
11.00	2.19	335.61	2.19
11.50	3.39	335.78	3.39
12.00	**13.64**	**336.80**	**13.64**
12.50	**19.03**	**337.58**	**19.03**
13.00	5.72	336.04	5.72
13.50	3.51	335.79	3.51
14.00	2.84	335.71	2.84
14.50	2.38	335.64	2.38
15.00	2.09	335.60	2.09
15.50	1.80	335.55	1.80
16.00	1.51	335.50	1.51
16.50	1.29	335.47	1.29
17.00	1.16	335.44	1.16
17.50	1.03	335.41	1.03
18.00	0.90	335.39	0.90
18.50	0.81	335.37	0.81
19.00	0.77	335.36	0.77
19.50	0.73	335.35	0.73
20.00	0.70	335.34	0.70
20.50	0.66	335.33	0.66
21.00	0.63	335.32	0.63
21.50	0.60	335.31	0.60
22.00	0.57	335.31	0.57
22.50	0.55	335.30	0.55
23.00	0.52	335.29	0.52
23.50	0.49	335.28	0.49
24.00	0.46	335.27	0.46

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.00	0.00	337.55	18.83
335.05	0.02	337.60	19.13
335.10	0.06	337.65	19.43
335.15	0.14	337.70	19.72
335.20	0.25	337.75	20.01
335.25	0.39	337.80	20.29
335.30	0.55	337.85	20.57
335.35	0.74	337.90	20.85
335.40	0.96	337.95	21.12
335.45	1.21	338.00	21.39
335.50	1.48	338.05	21.66
335.55	1.77	338.10	21.92
335.60	2.09	338.15	22.18
335.65	2.43	338.20	22.44
335.70	2.79	338.25	22.69
335.75	3.17	338.30	22.94
335.80	3.57	338.35	23.19
335.85	3.99	338.40	23.43
335.90	4.43	338.45	23.68
335.95	4.88	338.50	23.92
336.00	5.35	338.55	24.16
336.05	5.83	338.60	24.39
336.10	6.32	338.65	24.62
336.15	6.83	338.70	24.86
336.20	7.34	338.75	25.08
336.25	7.86	338.80	25.31
336.30	8.39	338.85	25.54
336.35	8.93	338.90	25.76
336.40	9.46	338.95	25.98
336.45	10.00	339.00	26.20
336.50	10.54	339.05	26.42
336.55	11.07	339.10	26.63
336.60	11.60	339.15	26.85
336.65	12.12	339.20	27.06
336.70	12.63	339.25	27.27
336.75	13.13	339.30	27.48
336.80	13.60	339.35	27.69
336.85	14.05	339.40	27.89
336.90	14.47	339.45	28.10
336.95	14.84	339.50	**28.30**
337.00	15.13		
337.05	15.50		
337.10	15.87		
337.15	16.22		
337.20	16.57		
337.25	16.91		
337.30	17.25		
337.35	17.58		
337.40	17.90		
337.45	18.21		
337.50	18.53		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.00	**0**	337.55	0
335.05	0	337.60	0
335.10	0	337.65	0
335.15	0	337.70	0
335.20	0	337.75	0
335.25	0	337.80	0
335.30	0	337.85	0
335.35	0	337.90	0
335.40	0	337.95	0
335.45	0	338.00	0
335.50	0	338.05	0
335.55	0	338.10	0
335.60	0	338.15	0
335.65	0	338.20	0
335.70	0	338.25	0
335.75	0	338.30	0
335.80	0	338.35	0
335.85	0	338.40	0
335.90	0	338.45	0
335.95	0	338.50	0
336.00	0	338.55	0
336.05	0	338.60	0
336.10	0	338.65	0
336.15	0	338.70	0
336.20	0	338.75	0
336.25	0	338.80	0
336.30	0	338.85	0
336.35	0	338.90	0
336.40	0	338.95	0
336.45	0	339.00	0
336.50	0	339.05	0
336.55	0	339.10	0
336.60	0	339.15	0
336.65	0	339.20	0
336.70	0	339.25	0
336.75	0	339.30	0
336.80	0	339.35	0
336.85	0	339.40	0
336.90	0	339.45	0
336.95	0	339.50	0
337.00	0		
337.05	0		
337.10	0		
337.15	0		
337.20	0		
337.25	0		
337.30	0		
337.35	0		
337.40	0		
337.45	0		
337.50	0		

Summary for Pond CB5: Catchbasin

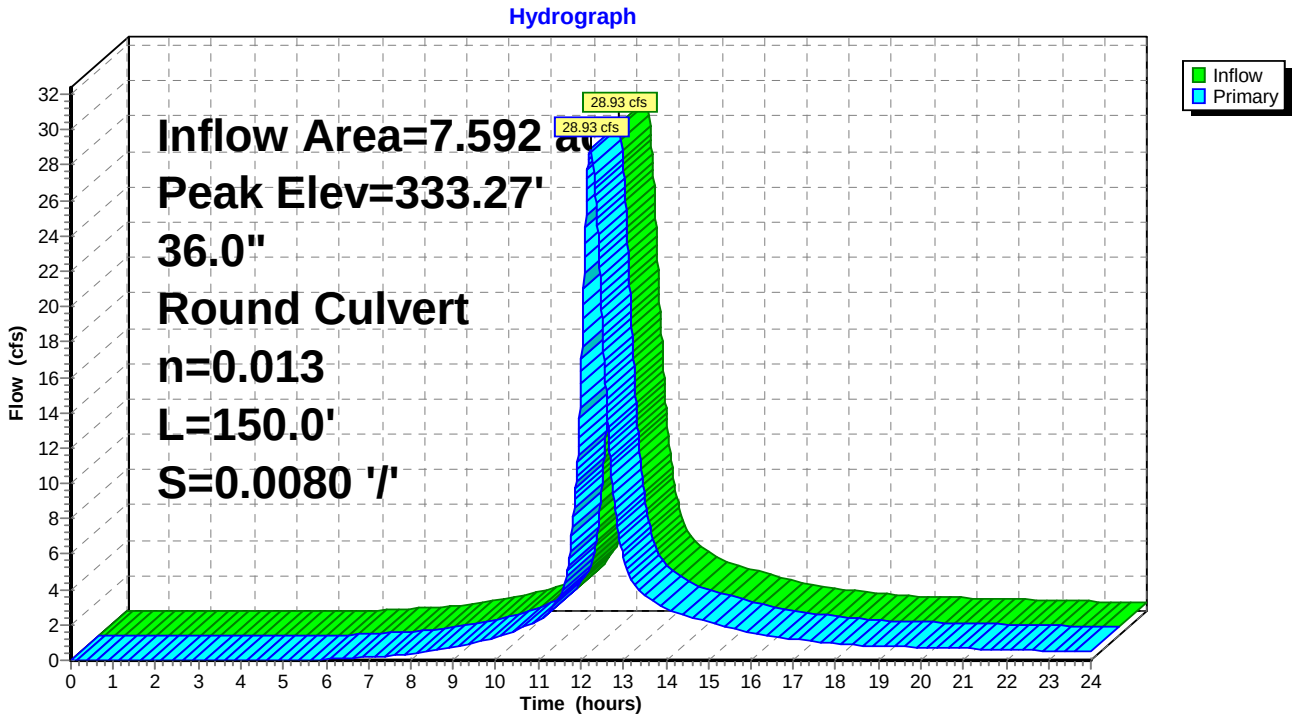
Inflow Area = 7.592 ac, 32.75% Impervious, Inflow Depth > 5.35" for 100-Year event
Inflow = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af
Outflow = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af, Atten= 0%, Lag= 0.0 min
Primary = 28.93 cfs @ 12.22 hrs, Volume= 3.385 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.27' @ 12.22 hrs
Flood Elev= 335.00'

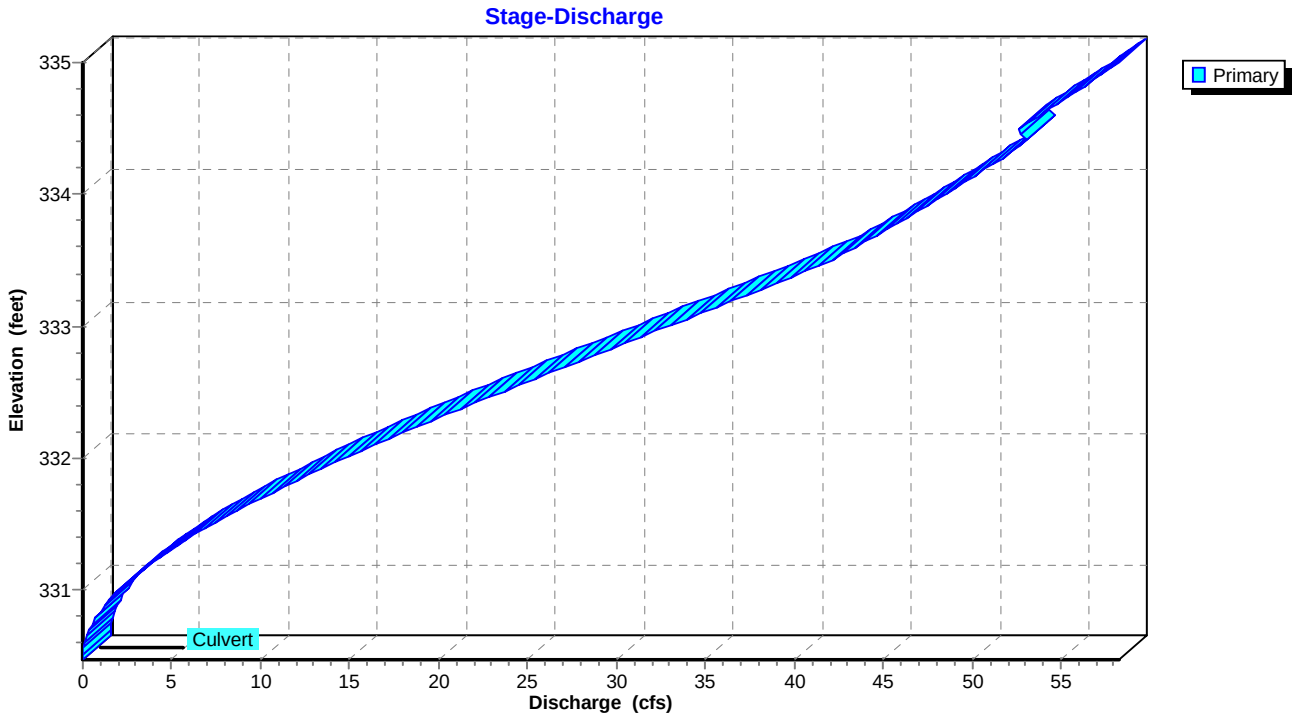
Device	Routing	Invert	Outlet Devices
#1	Primary	330.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.47' / 329.27' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=29.10 cfs @ 12.22 hrs HW=333.27' TW=332.15' (Dynamic Tailwater)
1=Culvert (Outlet Controls 29.10 cfs @ 5.52 fps)

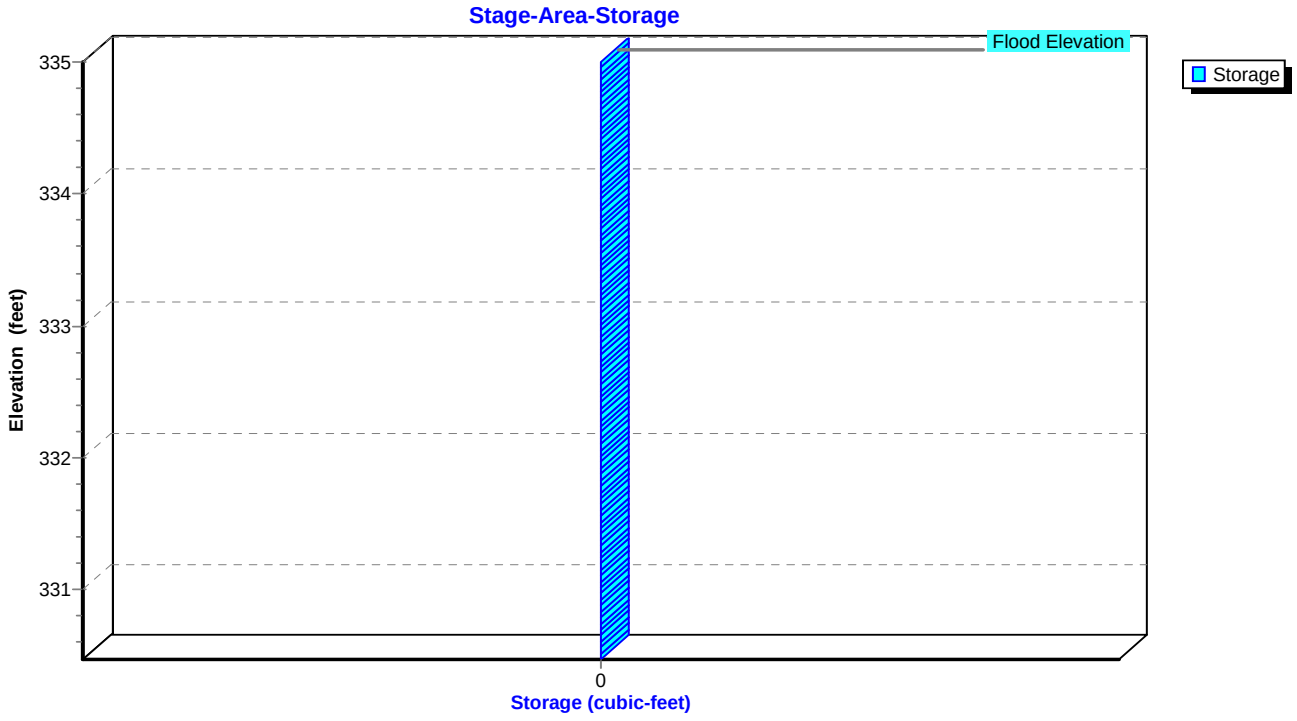
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.47	0.00
0.50	0.00	330.47	0.00
1.00	0.00	330.47	0.00
1.50	0.00	330.47	0.00
2.00	0.00	330.47	0.00
2.50	0.00	330.47	0.00
3.00	0.00	330.47	0.00
3.50	0.00	330.47	0.00
4.00	0.00	330.47	0.00
4.50	0.00	330.47	0.00
5.00	0.00	330.49	0.00
5.50	0.01	330.52	0.01
6.00	0.05	330.56	0.05
6.50	0.10	330.59	0.10
7.00	0.17	330.63	0.17
7.50	0.26	330.66	0.26
8.00	0.37	330.70	0.37
8.50	0.51	330.74	0.51
9.00	0.73	330.79	0.73
9.50	0.98	330.84	0.98
10.00	1.28	330.89	1.28
10.50	1.69	330.95	1.69
11.00	2.28	331.03	2.28
11.50	3.56	331.18	3.56
12.00	**15.62**	**332.17**	**15.62**
12.50	**19.30**	**332.45**	**19.30**
13.00	5.87	331.40	5.87
13.50	3.64	331.19	3.64
14.00	2.94	331.11	2.94
14.50	2.47	331.05	2.47
15.00	2.17	331.01	2.17
15.50	1.86	330.97	1.86
16.00	1.56	330.93	1.56
16.50	1.34	330.90	1.34
17.00	1.20	330.87	1.20
17.50	1.07	330.85	1.07
18.00	0.93	330.83	0.93
18.50	0.85	330.81	0.85
19.00	0.80	330.80	0.80
19.50	0.76	330.79	0.76
20.00	0.72	330.79	0.72
20.50	0.69	330.78	0.69
21.00	0.66	330.77	0.66
21.50	0.63	330.76	0.63
22.00	0.60	330.76	0.60
22.50	0.57	330.75	0.57
23.00	0.54	330.74	0.54
23.50	0.51	330.74	0.51
24.00	0.48	330.73	0.48

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.47	0.00	333.02	33.32
330.52	0.01	333.07	34.26
330.57	0.06	333.12	35.20
330.62	0.15	333.17	36.13
330.67	0.28	333.22	37.06
330.72	0.45	333.27	37.99
330.77	0.65	333.32	38.90
330.82	0.89	333.37	39.81
330.87	1.17	333.42	40.71
330.92	1.48	333.47	41.59
330.97	1.83	333.52	42.37
331.02	2.21	333.57	43.05
331.07	2.63	333.62	43.72
331.12	3.07	333.67	44.38
331.17	3.54	333.72	45.02
331.22	4.04	333.77	45.66
331.27	4.57	333.82	46.29
331.32	5.12	333.87	46.91
331.37	5.70	333.92	47.53
331.42	6.30	333.97	48.13
331.47	6.93	334.02	48.73
331.52	7.57	334.07	49.32
331.57	8.24	334.12	49.91
331.62	8.93	334.17	50.48
331.67	9.64	334.22	51.05
331.72	10.37	334.27	51.62
331.77	11.11	334.32	52.17
331.82	11.87	334.37	52.73
331.87	12.65	334.42	53.05
331.92	13.44	334.47	52.29
331.97	14.25	334.52	52.88
332.02	15.07	334.57	53.47
332.07	15.91	334.62	54.04
332.12	16.76	334.67	54.62
332.17	17.62	334.72	55.18
332.22	18.49	334.77	55.74
332.27	19.37	334.82	56.30
332.32	20.26	334.87	56.85
332.37	21.16	334.92	57.39
332.42	22.07	334.97	**57.93**
332.47	22.98		
332.52	23.91		
332.57	24.83		
332.62	25.77		
332.67	26.70		
332.72	27.64		
332.77	28.59		
332.82	29.53		
332.87	30.48		
332.92	31.43		
332.97	32.37		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.47	**0**	333.02	0
330.52	0	333.07	0
330.57	0	333.12	0
330.62	0	333.17	0
330.67	0	333.22	0
330.72	0	333.27	0
330.77	0	333.32	0
330.82	0	333.37	0
330.87	0	333.42	0
330.92	0	333.47	0
330.97	0	333.52	0
331.02	0	333.57	0
331.07	0	333.62	0
331.12	0	333.67	0
331.17	0	333.72	0
331.22	0	333.77	0
331.27	0	333.82	0
331.32	0	333.87	0
331.37	0	333.92	0
331.42	0	333.97	0
331.47	0	334.02	0
331.52	0	334.07	0
331.57	0	334.12	0
331.62	0	334.17	0
331.67	0	334.22	0
331.72	0	334.27	0
331.77	0	334.32	0
331.82	0	334.37	0
331.87	0	334.42	0
331.92	0	334.47	0
331.97	0	334.52	0
332.02	0	334.57	0
332.07	0	334.62	0
332.12	0	334.67	0
332.17	0	334.72	0
332.22	0	334.77	0
332.27	0	334.82	0
332.32	0	334.87	0
332.37	0	334.92	0
332.42	0	334.97	0
332.47	0		
332.52	0		
332.57	0		
332.62	0		
332.67	0		
332.72	0		
332.77	0		
332.82	0		
332.87	0		
332.92	0		
332.97	0		

Summary for Pond CB5-1: CB1-1

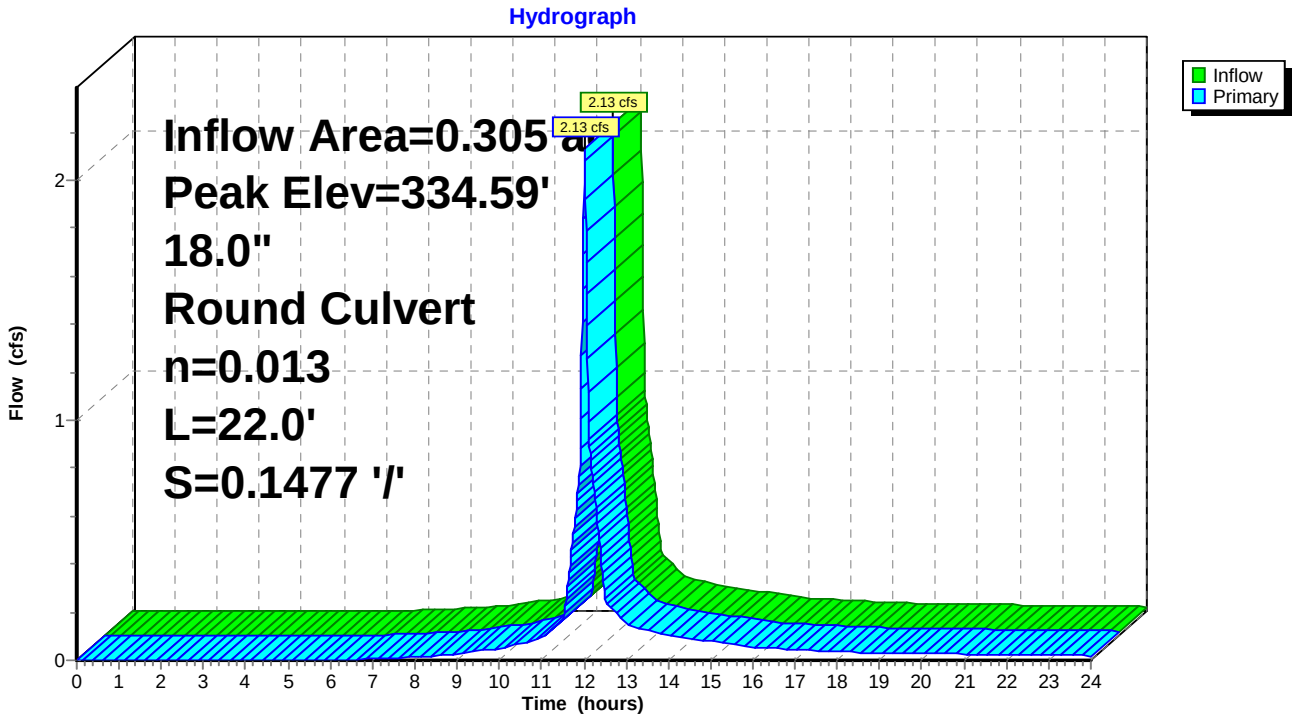
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af
Outflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.59' @ 12.02 hrs
Flood Elev= 336.50'

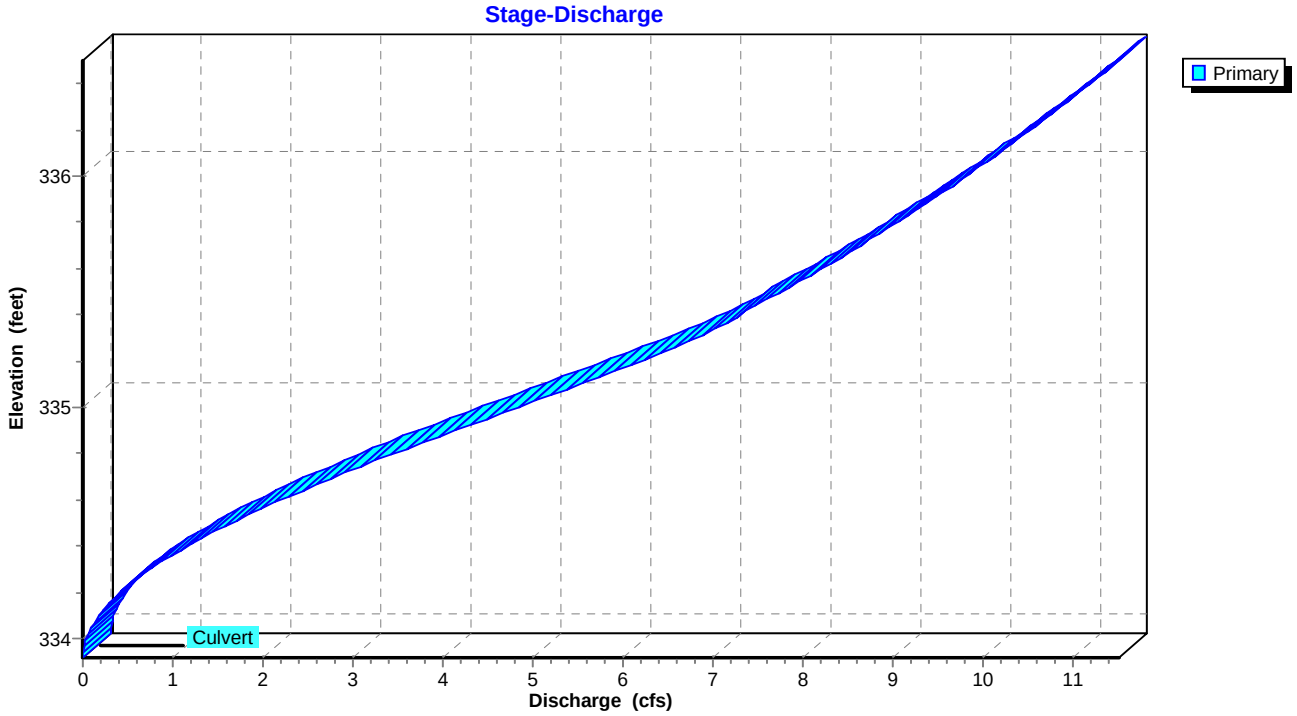
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**18.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.12 cfs @ 12.02 hrs HW=334.59' TW=332.26' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.12 cfs @ 2.78 fps)

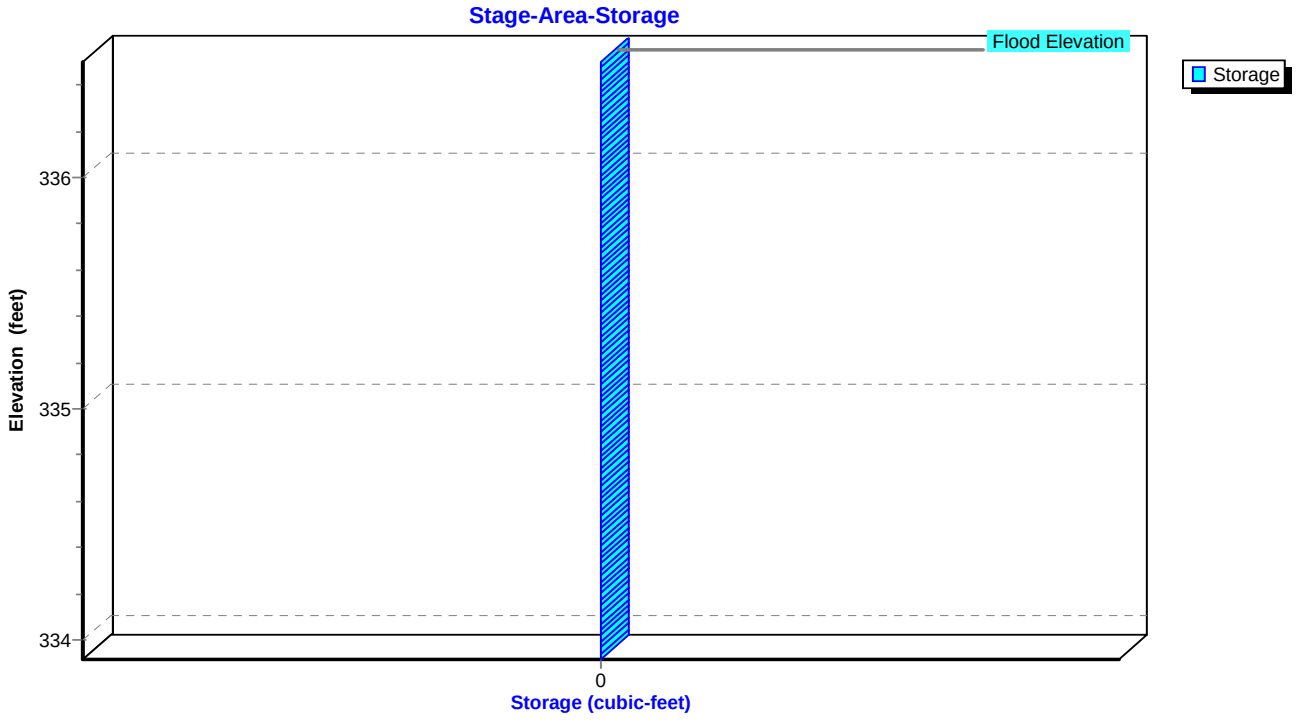
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.93	0.00
6.50	0.00	333.94	0.00
7.00	0.00	333.95	0.00
7.50	0.01	333.96	0.01
8.00	0.01	333.97	0.01
8.50	0.02	333.98	0.02
9.00	0.03	333.99	0.03
9.50	0.04	334.00	0.04
10.00	0.05	334.01	0.05
10.50	0.07	334.03	0.07
11.00	0.09	334.05	0.09
11.50	0.17	334.10	0.17
12.00	**1.98**	**334.56**	**1.98**
12.50	**0.27**	**334.14**	**0.27**
13.00	0.15	334.09	0.15
13.50	0.13	334.07	0.13
14.00	0.10	334.06	0.10
14.50	0.09	334.05	0.09
15.00	0.08	334.04	0.08
15.50	0.07	334.03	0.07
16.00	0.05	334.02	0.05
16.50	0.05	334.02	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.00	0.04
18.00	0.03	334.00	0.03
18.50	0.03	334.00	0.03
19.00	0.03	333.99	0.03
19.50	0.03	333.99	0.03
20.00	0.03	333.99	0.03
20.50	0.03	333.99	0.03
21.00	0.03	333.99	0.03
21.50	0.02	333.99	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	4.40	335.96	9.66
333.94	0.00	334.96	4.54	335.98	9.74
333.96	0.01	334.98	4.68	336.00	9.81
333.98	0.02	335.00	4.82	336.02	9.89
334.00	0.04	335.02	4.96	336.04	9.96
334.02	0.05	335.04	5.10	336.06	10.03
334.04	0.08	335.06	5.24	336.08	10.10
334.06	0.11	335.08	5.38	336.10	10.18
334.08	0.14	335.10	5.52	336.12	10.25
334.10	0.17	335.12	5.65	336.14	10.32
334.12	0.21	335.14	5.79	336.16	10.39
334.14	0.26	335.16	5.92	336.18	10.46
334.16	0.30	335.18	6.06	336.20	10.52
334.18	0.36	335.20	6.19	336.22	10.59
334.20	0.41	335.22	6.32	336.24	10.66
334.22	0.47	335.24	6.44	336.26	10.73
334.24	0.53	335.26	6.57	336.28	10.80
334.26	0.60	335.28	6.69	336.30	10.86
334.28	0.67	335.30	6.80	336.32	10.93
334.30	0.74	335.32	6.92	336.34	11.00
334.32	0.81	335.34	7.02	336.36	11.06
334.34	0.89	335.36	7.12	336.38	11.13
334.36	0.98	335.38	7.22	336.40	11.19
334.38	1.06	335.40	7.30	336.42	11.26
334.40	1.15	335.42	7.37	336.44	11.32
334.42	1.24	335.44	7.47	336.46	11.38
334.44	1.34	335.46	7.56	336.48	11.45
334.46	1.43	335.48	7.66	336.50	**11.51**
334.48	1.53	335.50	7.75		
334.50	1.64	335.52	7.84		
334.52	1.74	335.54	7.94		
334.54	1.85	335.56	8.03		
334.56	1.96	335.58	8.12		
334.58	2.07	335.60	8.21		
334.60	2.19	335.62	8.29		
334.62	2.30	335.64	8.38		
334.64	2.42	335.66	8.47		
334.66	2.54	335.68	8.55		
334.68	2.67	335.70	8.64		
334.70	2.79	335.72	8.72		
334.72	2.92	335.74	8.80		
334.74	3.05	335.76	8.88		
334.76	3.18	335.78	8.96		
334.78	3.31	335.80	9.04		
334.80	3.44	335.82	9.12		
334.82	3.58	335.84	9.20		
334.84	3.71	335.86	9.28		
334.86	3.85	335.88	9.36		
334.88	3.98	335.90	9.44		
334.90	4.12	335.92	9.51		
334.92	4.26	335.94	9.59		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

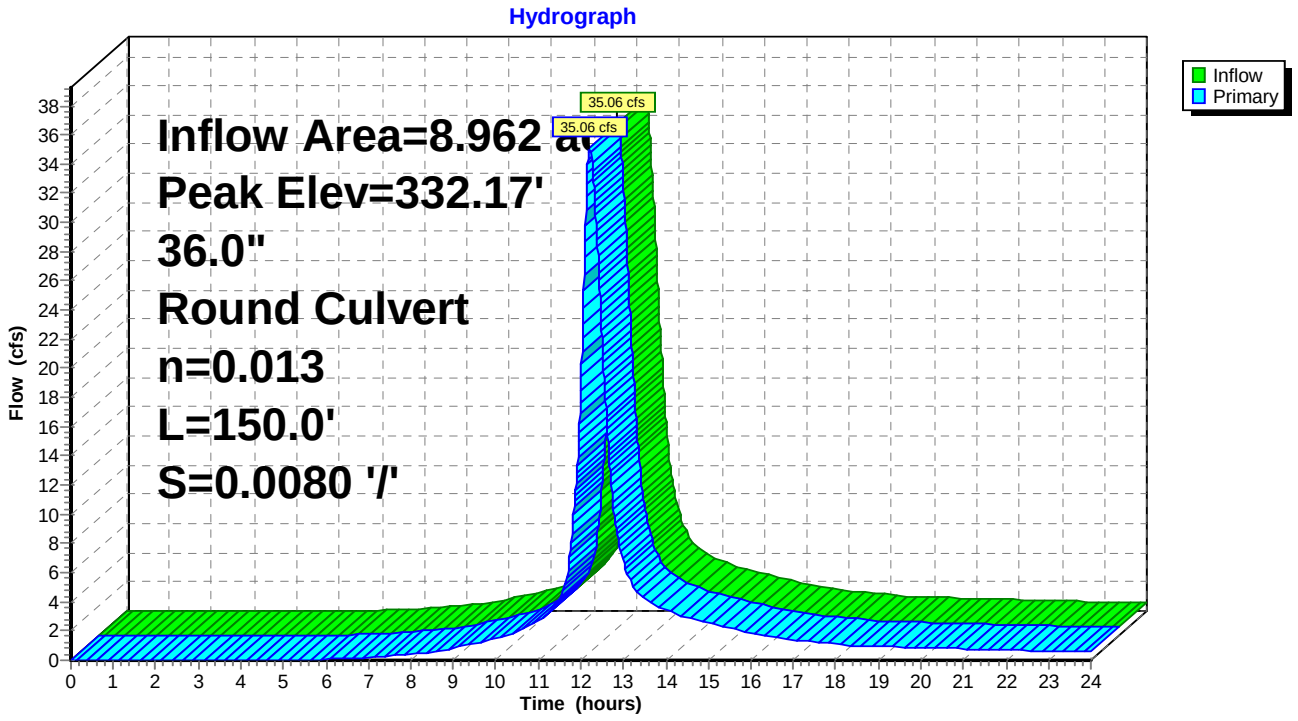
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 5.30" for 100-Year event
Inflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af
Outflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af, Atten= 0%, Lag= 0.0 min
Primary = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.17' @ 12.20 hrs
Flood Elev= 337.00'

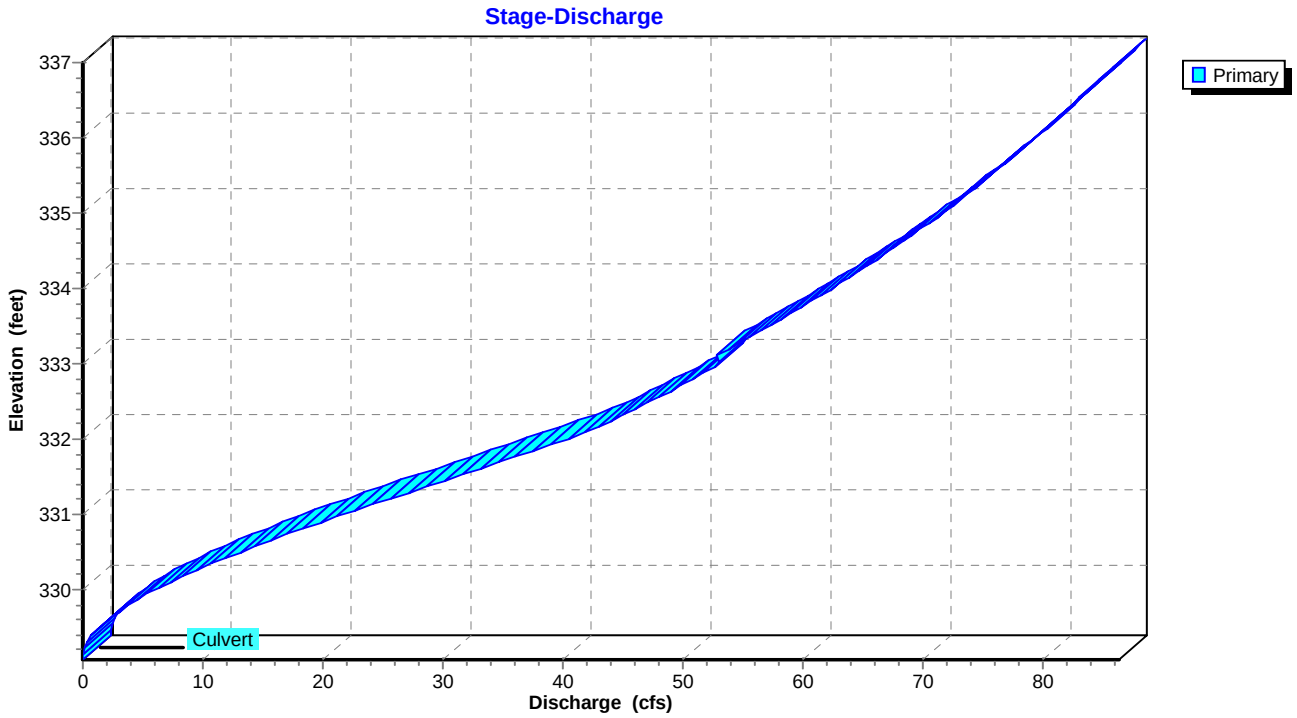
Device	Routing	Invert	Outlet Devices
#1	Primary	329.07'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.07' / 327.87' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=35.29 cfs @ 12.21 hrs HW=332.17' TW=330.85' (Dynamic Tailwater)
1=Culvert (Outlet Controls 35.29 cfs @ 6.01 fps)

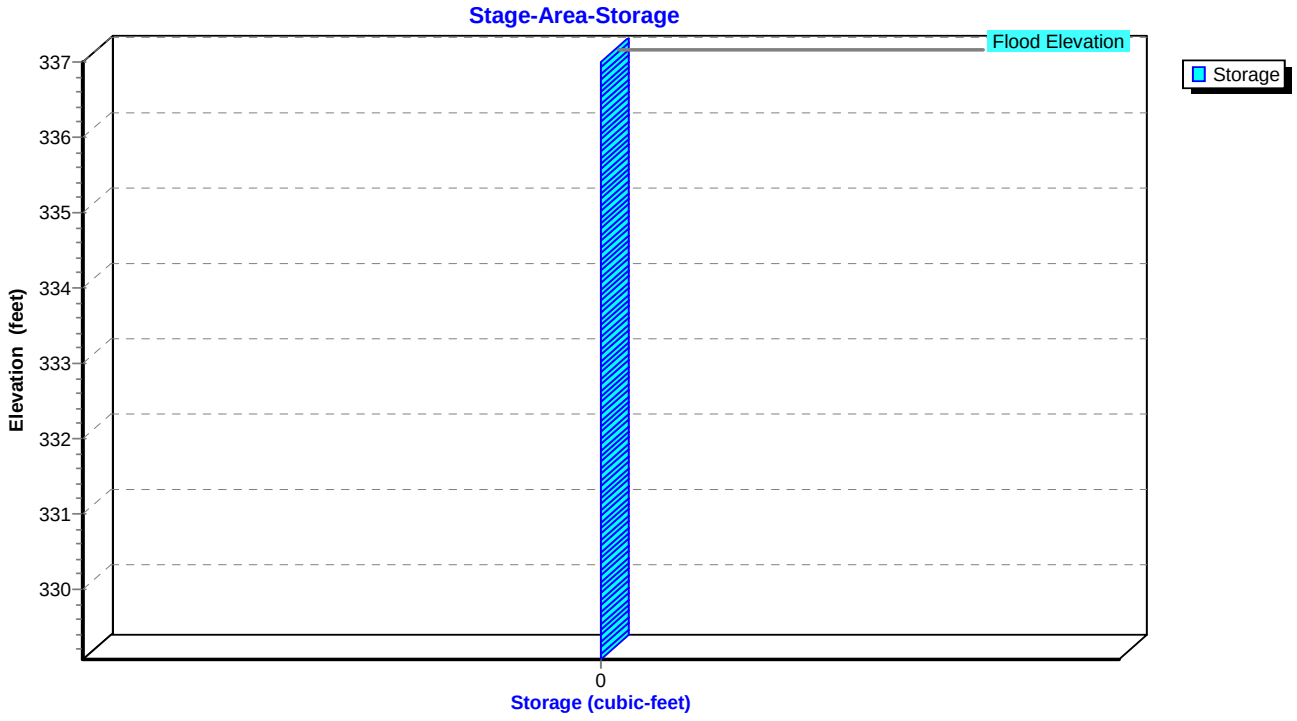
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.07	0.00
0.50	0.00	329.07	0.00
1.00	0.00	329.07	0.00
1.50	0.00	329.07	0.00
2.00	0.00	329.07	0.00
2.50	0.00	329.07	0.00
3.00	0.00	329.07	0.00
3.50	0.00	329.07	0.00
4.00	0.00	329.07	0.00
4.50	0.00	329.07	0.00
5.00	0.00	329.09	0.00
5.50	0.01	329.12	0.01
6.00	0.05	329.16	0.05
6.50	0.11	329.20	0.11
7.00	0.19	329.24	0.19
7.50	0.29	329.27	0.29
8.00	0.41	329.31	0.41
8.50	0.59	329.36	0.59
9.00	0.83	329.41	0.83
9.50	1.13	329.46	1.13
10.00	1.48	329.52	1.48
10.50	1.97	329.59	1.97
11.00	2.66	329.67	2.66
11.50	4.18	329.84	4.18
12.00	**18.54**	**330.96**	**18.54**
12.50	**22.05**	**331.19**	**22.05**
13.00	6.72	330.07	6.72
13.50	4.24	329.85	4.24
14.00	3.44	329.76	3.44
14.50	2.90	329.70	2.90
15.00	2.54	329.66	2.54
15.50	2.18	329.62	2.18
16.00	1.83	329.57	1.83
16.50	1.57	329.53	1.57
17.00	1.41	329.51	1.41
17.50	1.25	329.48	1.25
18.00	1.10	329.46	1.10
18.50	0.99	329.44	0.99
19.00	0.94	329.43	0.94
19.50	0.90	329.42	0.90
20.00	0.85	329.41	0.85
20.50	0.81	329.40	0.81
21.00	0.77	329.40	0.77
21.50	0.74	329.39	0.74
22.00	0.70	329.38	0.70
22.50	0.67	329.37	0.67
23.00	0.63	329.37	0.63
23.50	0.60	329.36	0.60
24.00	0.56	329.35	0.56

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.07	0.00	331.11	23.72	333.15	53.23	335.19	73.16
329.11	0.01	331.15	24.46	333.19	53.70	335.23	73.47
329.15	0.04	331.19	25.21	333.23	54.16	335.27	73.79
329.19	0.09	331.23	25.95	333.27	54.62	335.31	74.10
329.23	0.17	331.27	26.70	333.31	55.07	335.35	74.41
329.27	0.28	331.31	27.46	333.35	55.52	335.39	74.72
329.31	0.41	331.35	28.21	333.39	55.97	335.43	75.03
329.35	0.56	331.39	28.97	333.43	56.41	335.47	75.34
329.39	0.74	331.43	29.72	333.47	56.85	335.51	75.65
329.43	0.95	331.47	30.48	333.51	57.28	335.55	75.95
329.47	1.17	331.51	31.24	333.55	57.71	335.59	76.26
329.51	1.42	331.55	31.99	333.59	58.14	335.63	76.56
329.55	1.69	331.59	32.75	333.63	58.57	335.67	76.86
329.59	1.98	331.63	33.51	333.67	58.99	335.71	77.16
329.63	2.29	331.67	34.26	333.71	59.41	335.75	77.46
329.67	2.63	331.71	35.01	333.75	59.83	335.79	77.76
329.71	2.98	331.75	35.76	333.79	60.24	335.83	78.06
329.75	3.35	331.79	36.51	333.83	60.65	335.87	78.35
329.79	3.74	331.83	37.25	333.87	61.06	335.91	78.65
329.83	4.14	331.87	37.99	333.91	61.47	335.95	78.94
329.87	4.57	331.91	38.72	333.95	61.87	335.99	79.24
329.91	5.01	331.95	39.45	333.99	62.27	336.03	79.53
329.95	5.46	331.99	40.17	334.03	62.67	336.07	79.82
329.99	5.94	332.03	40.88	334.07	63.07	336.11	80.11
330.03	6.42	332.07	41.59	334.11	63.46	336.15	80.40
330.07	6.93	332.11	42.24	334.15	63.85	336.19	80.69
330.11	7.44	332.15	42.78	334.19	64.24	336.23	80.97
330.15	7.97	332.19	43.32	334.23	64.62	336.27	81.26
330.19	8.51	332.23	43.85	334.27	65.01	336.31	81.54
330.23	9.07	332.27	44.38	334.31	65.39	336.35	81.83
330.27	9.64	332.31	44.90	334.35	65.77	336.39	82.11
330.31	10.22	332.35	45.41	334.39	66.14	336.43	82.39
330.35	10.81	332.39	45.92	334.43	66.52	336.47	82.67
330.39	11.41	332.43	46.42	334.47	66.89	336.51	82.95
330.43	12.03	332.47	46.91	334.51	67.26	336.55	83.23
330.47	12.65	332.51	47.41	334.55	67.63	336.59	83.51
330.51	13.28	332.55	47.89	334.59	68.00	336.63	83.78
330.55	13.93	332.59	48.37	334.63	68.36	336.67	84.06
330.59	14.58	332.63	48.85	334.67	68.72	336.71	84.34
330.63	15.24	332.67	49.32	334.71	69.09	336.75	84.61
330.67	15.91	332.71	49.79	334.75	69.44	336.79	84.88
330.71	16.59	332.75	50.25	334.79	69.80	336.83	85.16
330.75	17.27	332.79	50.71	334.83	70.16	336.87	85.43
330.79	17.96	332.83	51.17	334.87	70.51	336.91	85.70
330.83	18.66	332.87	51.62	334.91	70.86	336.95	85.97
330.87	19.37	332.91	52.06	334.95	71.21	336.99	**86.24**
330.91	20.08	332.95	52.51	334.99	71.55		
330.95	20.80	332.99	52.95	335.03	71.88		
330.99	21.52	333.03	53.01	335.07	72.20		
331.03	22.25	333.07	52.29	335.11	72.52		
331.07	22.98	333.11	52.76	335.15	72.84		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.07	**0**	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0	335.77	0
330.77	0	335.87	0
330.87	0	335.97	0
330.97	0	336.07	0
331.07	0	336.17	0
331.17	0	336.27	0
331.27	0	336.37	0
331.37	0	336.47	0
331.47	0	336.57	0
331.57	0	336.67	0
331.67	0	336.77	0
331.77	0	336.87	0
331.87	0	336.97	0
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		
332.77	0		
332.87	0		
332.97	0		
333.07	0		
333.17	0		
333.27	0		
333.37	0		
333.47	0		
333.57	0		
333.67	0		
333.77	0		
333.87	0		
333.97	0		
334.07	0		

Summary for Pond CB6-1: CB1-1

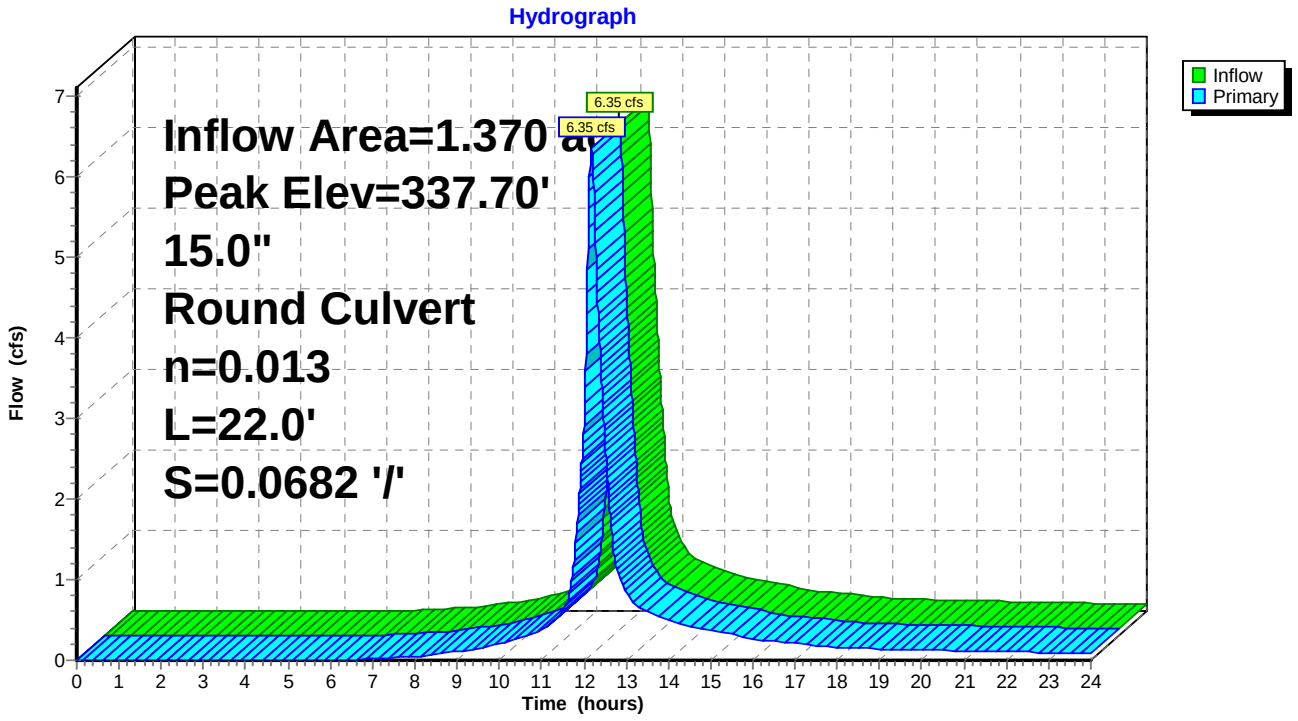
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 5.03" for 100-Year event
Inflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af
Outflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af, Atten= 0%, Lag= 0.0 min
Primary = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.70' @ 12.18 hrs
Flood Elev= 338.50'

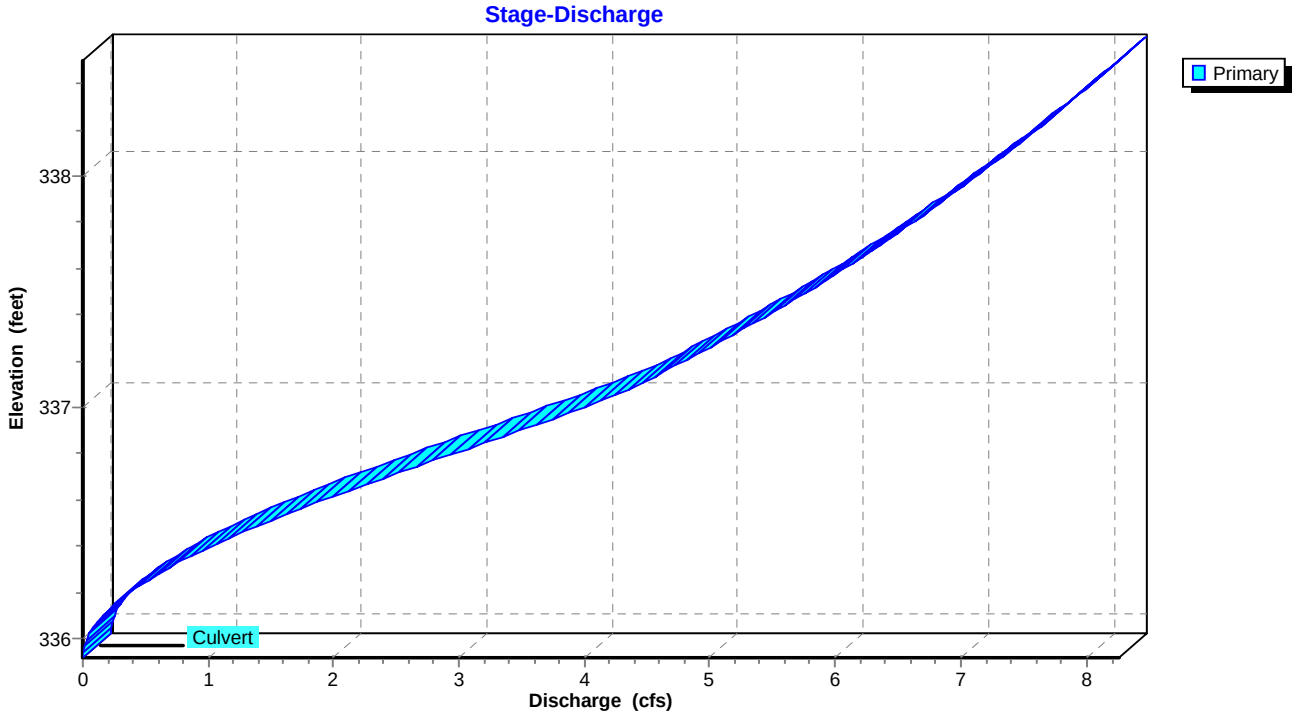
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.35 cfs @ 12.18 hrs HW=337.70' TW=332.16' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.35 cfs @ 5.17 fps)

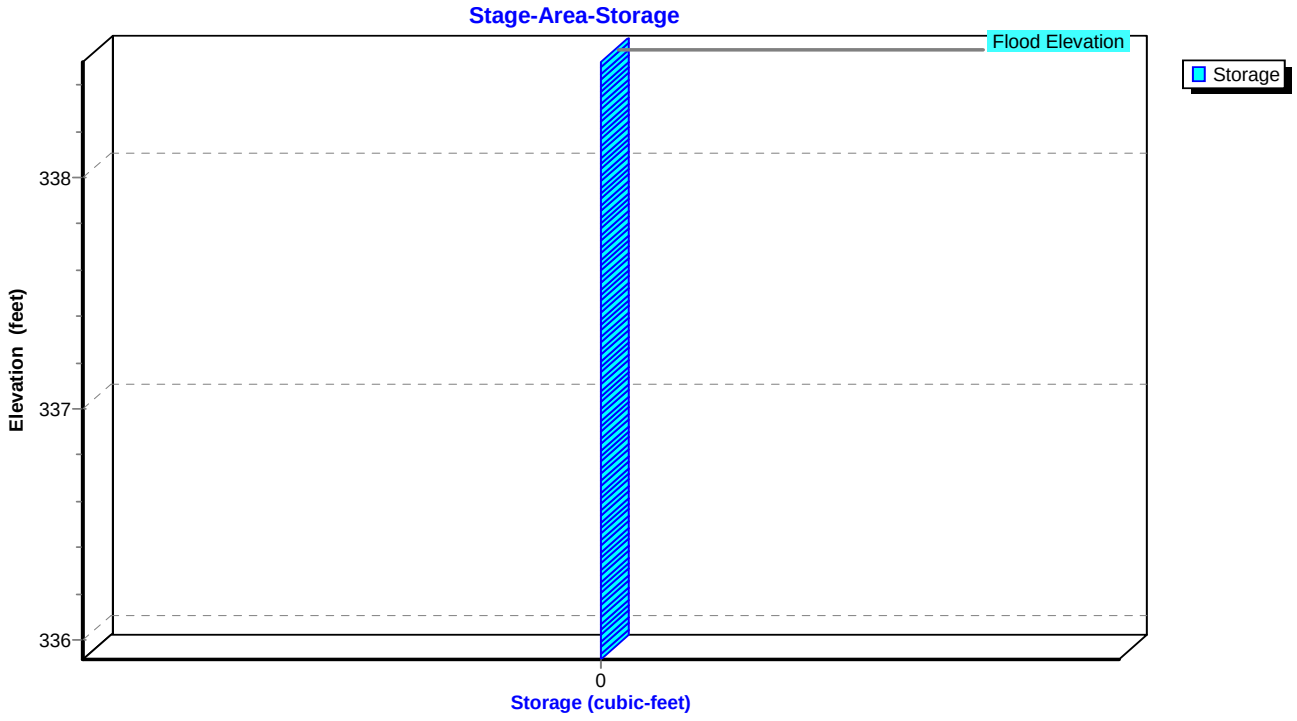
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.01	335.95	0.01
7.00	0.02	335.98	0.02
7.50	0.03	336.00	0.03
8.00	0.05	336.02	0.05
8.50	0.07	336.04	0.07
9.00	0.11	336.07	0.11
9.50	0.15	336.10	0.15
10.00	0.20	336.12	0.20
10.50	0.27	336.16	0.27
11.00	0.38	336.20	0.38
11.50	0.62	336.29	0.62
12.00	**2.91**	**336.79**	**2.91**
12.50	**2.75**	**336.76**	**2.75**
13.00	0.85	336.35	0.85
13.50	0.61	336.28	0.61
14.00	0.50	336.25	0.50
14.50	0.42	336.22	0.42
15.00	0.37	336.20	0.37
15.50	0.32	336.18	0.32
16.00	0.27	336.16	0.27
16.50	0.23	336.14	0.23
17.00	0.21	336.13	0.21
17.50	0.18	336.12	0.18
18.00	0.16	336.10	0.16
18.50	0.15	336.09	0.15
19.00	0.14	336.09	0.14
19.50	0.13	336.09	0.13
20.00	0.13	336.08	0.13
20.50	0.12	336.08	0.12
21.00	0.12	336.07	0.12
21.50	0.11	336.07	0.11
22.00	0.10	336.07	0.10
22.50	0.10	336.06	0.10
23.00	0.09	336.06	0.09
23.50	0.09	336.05	0.09
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

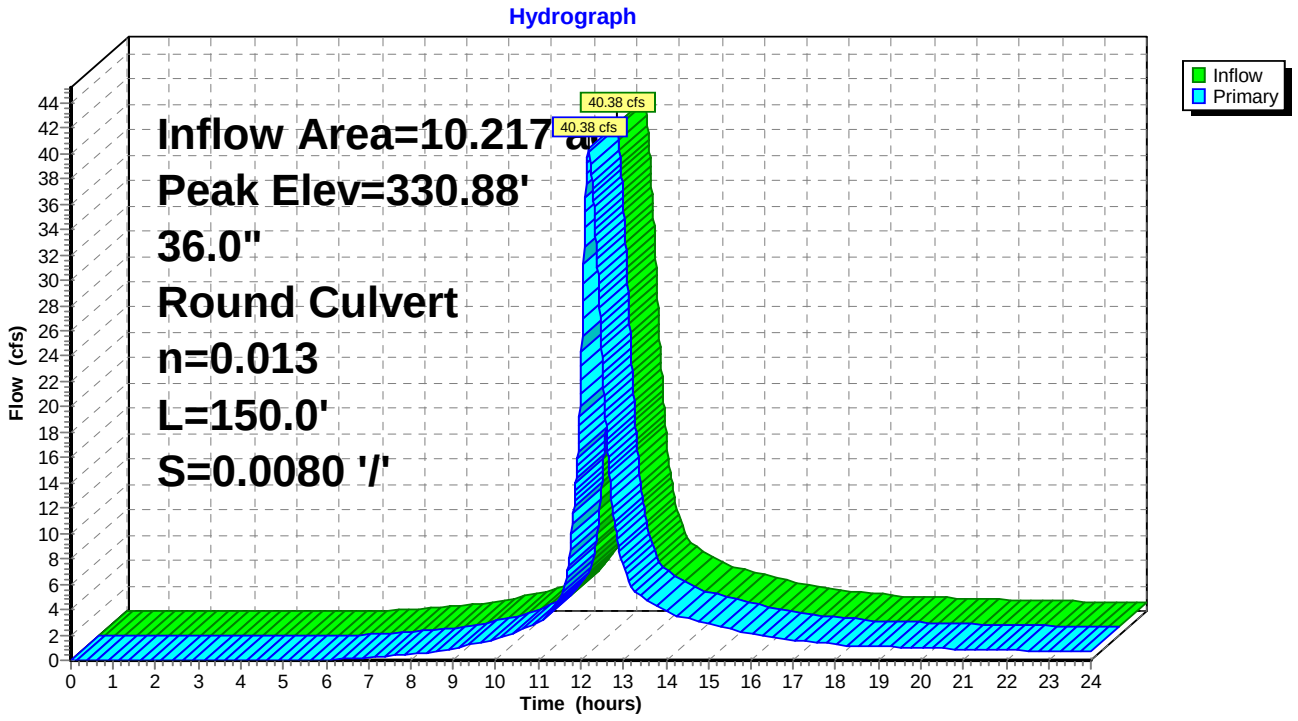
Inflow Area = 10.217 ac, 29.43% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af
Outflow = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af, Atten= 0%, Lag= 0.0 min
Primary = 40.38 cfs @ 12.18 hrs, Volume= 4.487 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.88' @ 12.18 hrs
Flood Elev= 335.75'

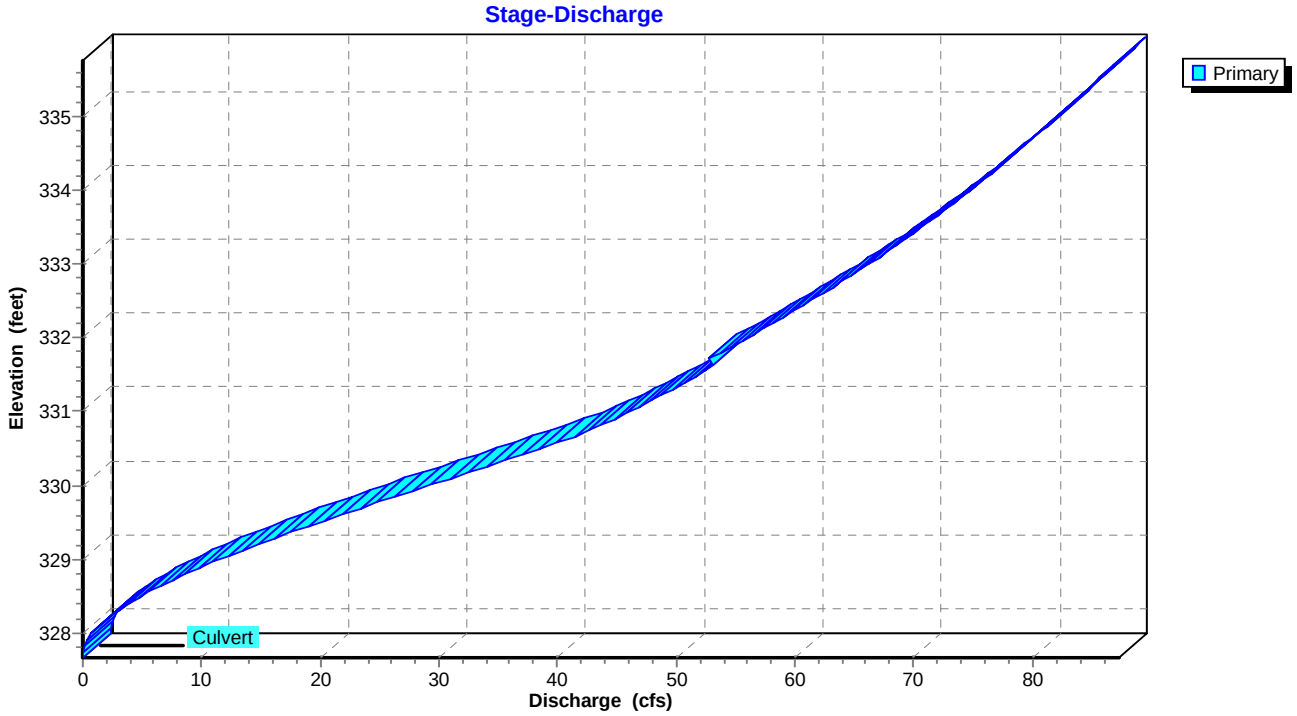
Device	Routing	Invert	Outlet Devices
#1	Primary	327.67'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 327.67' / 326.47' S= 0.0080 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=40.34 cfs @ 12.18 hrs HW=330.88' TW=329.28' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 40.34 cfs @ 6.64 fps)

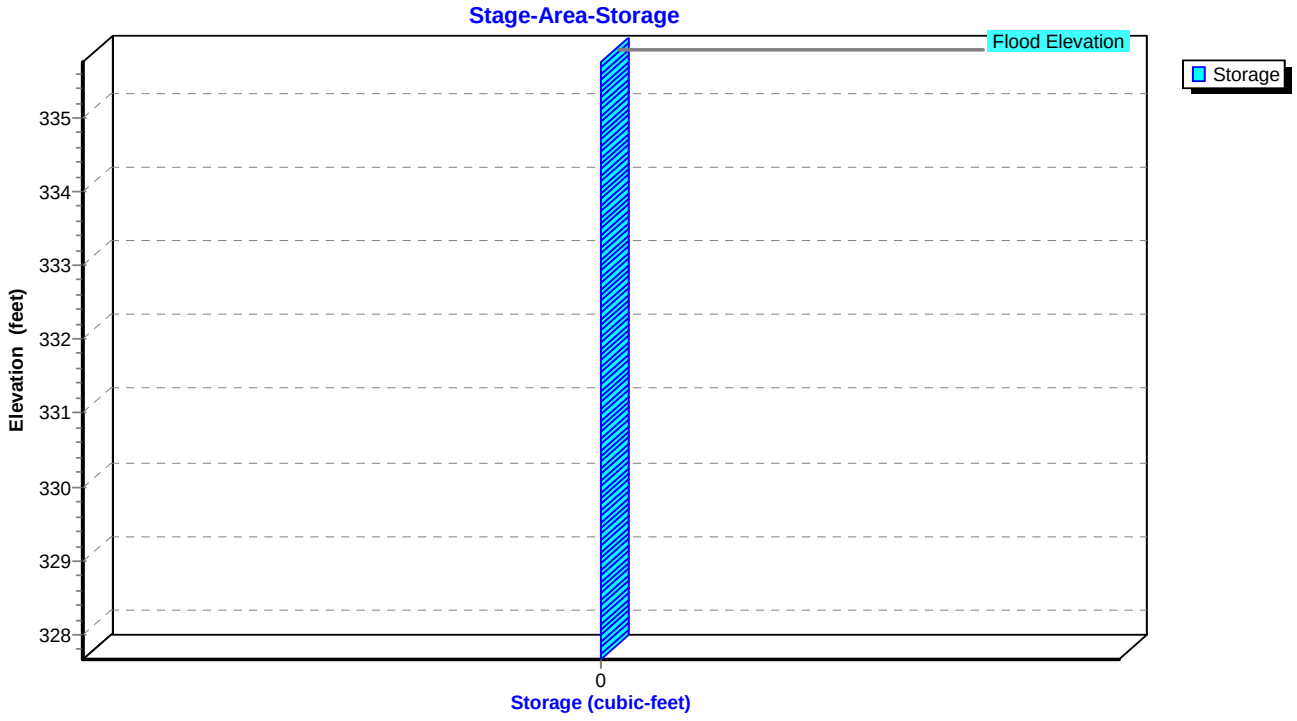
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	327.67	0.00
0.50	0.00	327.67	0.00
1.00	0.00	327.67	0.00
1.50	0.00	327.67	0.00
2.00	0.00	327.67	0.00
2.50	0.00	327.67	0.00
3.00	0.00	327.67	0.00
3.50	0.00	327.67	0.00
4.00	0.00	327.67	0.00
4.50	0.00	327.67	0.00
5.00	0.00	327.69	0.00
5.50	0.01	327.72	0.01
6.00	0.05	327.76	0.05
6.50	0.12	327.80	0.12
7.00	0.21	327.84	0.21
7.50	0.32	327.88	0.32
8.00	0.46	327.92	0.46
8.50	0.66	327.97	0.66
9.00	0.94	328.03	0.94
9.50	1.28	328.09	1.28
10.00	1.67	328.15	1.67
10.50	2.23	328.22	2.23
11.00	3.02	328.31	3.02
11.50	4.80	328.49	4.80
12.00	**22.09**	**329.73**	**22.09**
12.50	**23.97**	**329.82**	**23.97**
13.00	7.43	328.72	7.43
13.50	4.78	328.49	4.78
14.00	3.88	328.40	3.88
14.50	3.28	328.34	3.28
15.00	2.87	328.30	2.87
15.50	2.47	328.25	2.47
16.00	2.06	328.20	2.06
16.50	1.78	328.16	1.78
17.00	1.60	328.14	1.60
17.50	1.42	328.11	1.42
18.00	1.24	328.08	1.24
18.50	1.13	328.06	1.13
19.00	1.07	328.05	1.07
19.50	1.02	328.04	1.02
20.00	0.96	328.03	0.96
20.50	0.92	328.02	0.92
21.00	0.88	328.02	0.88
21.50	0.84	328.01	0.84
22.00	0.80	328.00	0.80
22.50	0.76	327.99	0.76
23.00	0.72	327.98	0.72
23.50	0.68	327.98	0.68
24.00	0.64	327.97	0.64

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
327.67	0.00	329.71	23.72	331.75	53.23	333.79	73.16
327.71	0.01	329.75	24.46	331.79	53.70	333.83	73.47
327.75	0.04	329.79	25.21	331.83	54.16	333.87	73.79
327.79	0.09	329.83	25.95	331.87	54.62	333.91	74.10
327.83	0.17	329.87	26.70	331.91	55.07	333.95	74.41
327.87	0.28	329.91	27.46	331.95	55.52	333.99	74.72
327.91	0.41	329.95	28.21	331.99	55.97	334.03	75.03
327.95	0.56	329.99	28.97	332.03	56.41	334.07	75.34
327.99	0.74	330.03	29.72	332.07	56.85	334.11	75.65
328.03	0.95	330.07	30.48	332.11	57.28	334.15	75.95
328.07	1.17	330.11	31.24	332.15	57.71	334.19	76.26
328.11	1.42	330.15	31.99	332.19	58.14	334.23	76.56
328.15	1.69	330.19	32.75	332.23	58.57	334.27	76.86
328.19	1.98	330.23	33.51	332.27	58.99	334.31	77.16
328.23	2.29	330.27	34.26	332.31	59.41	334.35	77.46
328.27	2.63	330.31	35.01	332.35	59.83	334.39	77.76
328.31	2.98	330.35	35.76	332.39	60.24	334.43	78.06
328.35	3.35	330.39	36.51	332.43	60.65	334.47	78.35
328.39	3.74	330.43	37.25	332.47	61.06	334.51	78.65
328.43	4.14	330.47	37.99	332.51	61.47	334.55	78.94
328.47	4.57	330.51	38.72	332.55	61.87	334.59	79.24
328.51	5.01	330.55	39.45	332.59	62.27	334.63	79.53
328.55	5.46	330.59	40.17	332.63	62.67	334.67	79.82
328.59	5.94	330.63	40.88	332.67	63.07	334.71	80.11
328.63	6.42	330.67	41.59	332.71	63.46	334.75	80.40
328.67	6.93	330.71	42.24	332.75	63.85	334.79	80.69
328.71	7.44	330.75	42.78	332.79	64.24	334.83	80.97
328.75	7.97	330.79	43.32	332.83	64.62	334.87	81.26
328.79	8.51	330.83	43.85	332.87	65.01	334.91	81.54
328.83	9.07	330.87	44.38	332.91	65.39	334.95	81.83
328.87	9.64	330.91	44.90	332.95	65.77	334.99	82.11
328.91	10.22	330.95	45.41	332.99	66.14	335.03	82.39
328.95	10.81	330.99	45.92	333.03	66.52	335.07	82.67
328.99	11.41	331.03	46.42	333.07	66.89	335.11	82.95
329.03	12.03	331.07	46.91	333.11	67.26	335.15	83.23
329.07	12.65	331.11	47.41	333.15	67.63	335.19	83.51
329.11	13.28	331.15	47.89	333.19	68.00	335.23	83.78
329.15	13.93	331.19	48.37	333.23	68.36	335.27	84.06
329.19	14.58	331.23	48.85	333.27	68.72	335.31	84.34
329.23	15.24	331.27	49.32	333.31	69.09	335.35	84.61
329.27	15.91	331.31	49.79	333.35	69.44	335.39	84.88
329.31	16.59	331.35	50.25	333.39	69.80	335.43	85.16
329.35	17.27	331.39	50.71	333.43	70.16	335.47	85.43
329.39	17.96	331.43	51.17	333.47	70.51	335.51	85.70
329.43	18.66	331.47	51.62	333.51	70.86	335.55	85.97
329.47	19.37	331.51	52.06	333.55	71.21	335.59	86.24
329.51	20.08	331.55	52.51	333.59	71.55	335.63	86.51
329.55	20.80	331.59	52.95	333.63	71.88	335.67	86.77
329.59	21.52	331.63	53.01	333.67	72.20	335.71	87.04
329.63	22.25	331.67	52.29	333.71	72.52	335.75	**87.31**
329.67	22.98	331.71	52.76	333.75	72.84		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
327.67	**0**	332.77	0
327.77	0	332.87	0
327.87	0	332.97	0
327.97	0	333.07	0
328.07	0	333.17	0
328.17	0	333.27	0
328.27	0	333.37	0
328.37	0	333.47	0
328.47	0	333.57	0
328.57	0	333.67	0
328.67	0	333.77	0
328.77	0	333.87	0
328.87	0	333.97	0
328.97	0	334.07	0
329.07	0	334.17	0
329.17	0	334.27	0
329.27	0	334.37	0
329.37	0	334.47	0
329.47	0	334.57	0
329.57	0	334.67	0
329.67	0	334.77	0
329.77	0	334.87	0
329.87	0	334.97	0
329.97	0	335.07	0
330.07	0	335.17	0
330.17	0	335.27	0
330.27	0	335.37	0
330.37	0	335.47	0
330.47	0	335.57	0
330.57	0	335.67	0
330.67	0		
330.77	0		
330.87	0		
330.97	0		
331.07	0		
331.17	0		
331.27	0		
331.37	0		
331.47	0		
331.57	0		
331.67	0		
331.77	0		
331.87	0		
331.97	0		
332.07	0		
332.17	0		
332.27	0		
332.37	0		
332.47	0		
332.57	0		
332.67	0		

Summary for Pond CB7-1: CB1-1

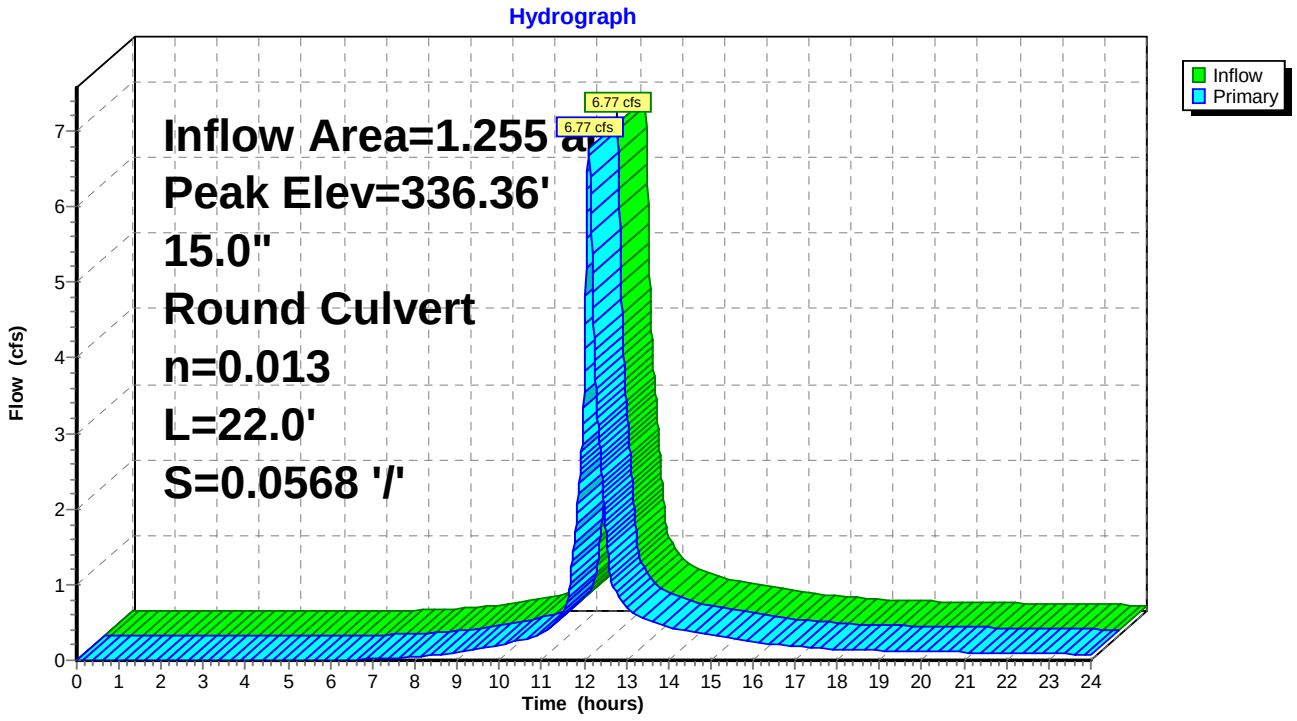
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af
Outflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af, Atten= 0%, Lag= 0.0 min
Primary = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.36' @ 12.12 hrs
Flood Elev= 337.00'

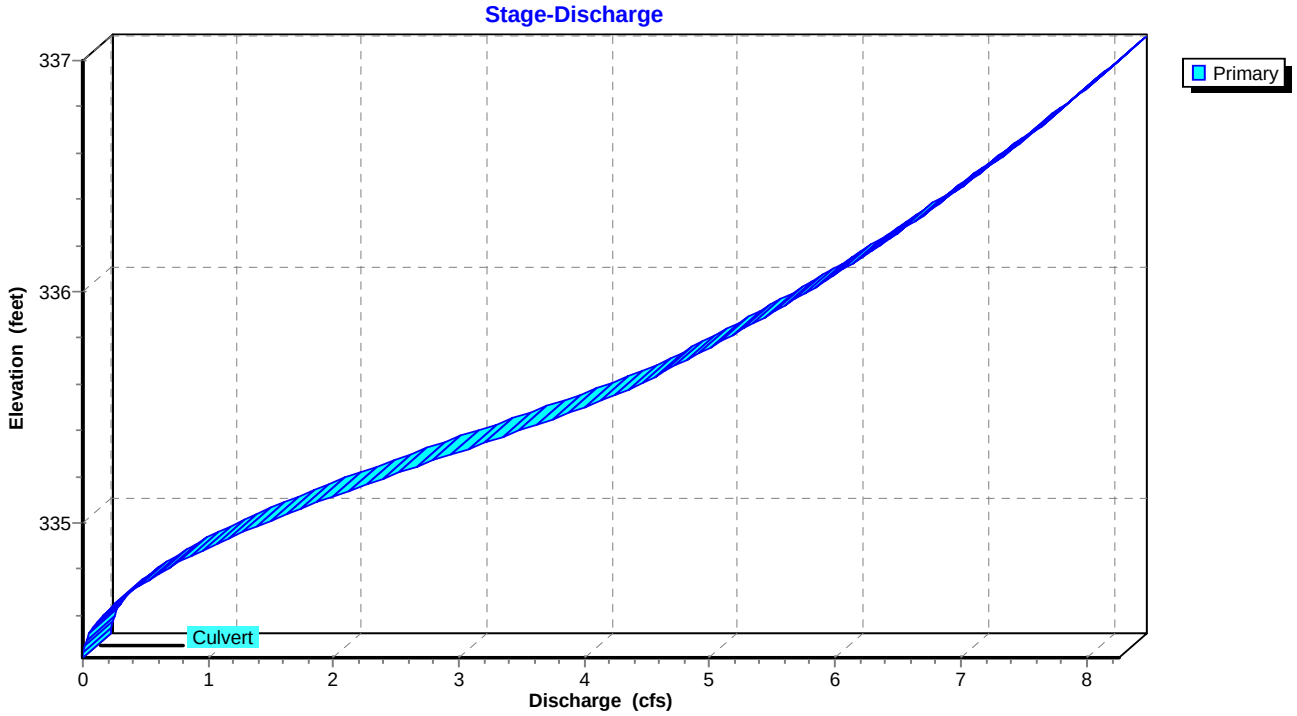
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.76 cfs @ 12.12 hrs HW=336.35' TW=330.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.76 cfs @ 5.51 fps)

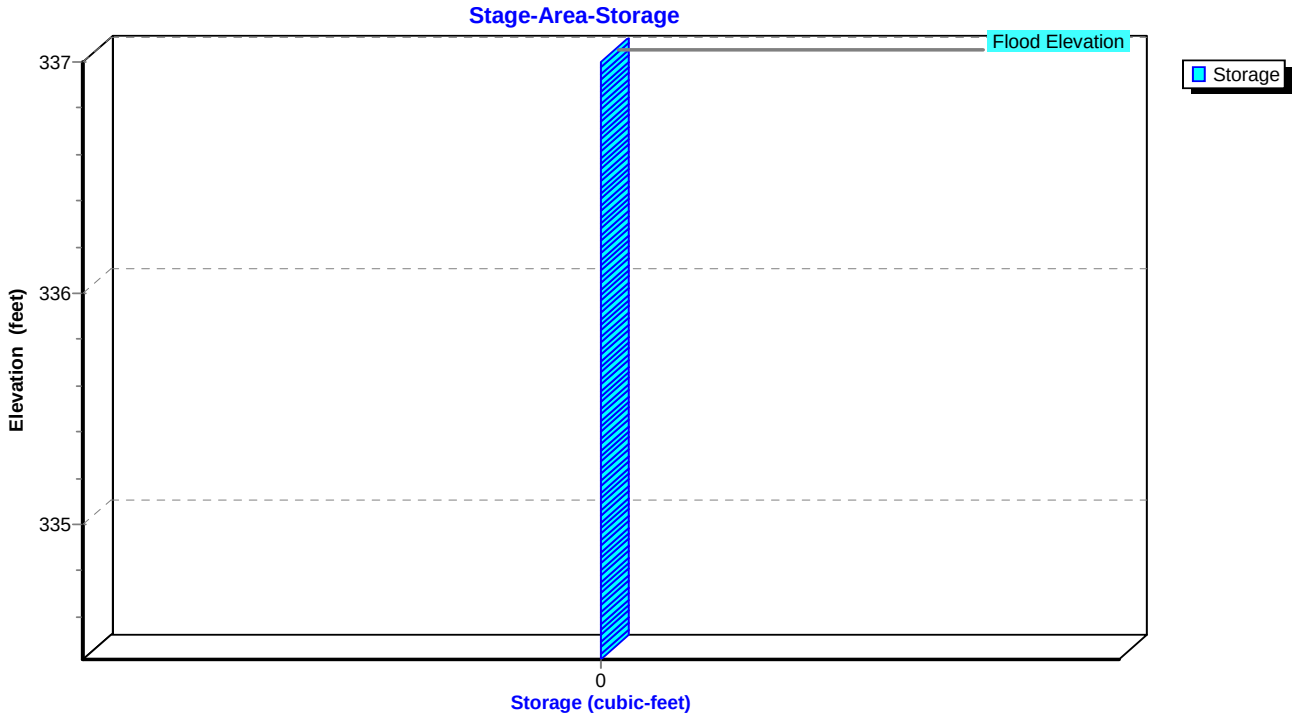
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.01	334.46	0.01
7.00	0.02	334.48	0.02
7.50	0.03	334.50	0.03
8.00	0.05	334.52	0.05
8.50	0.07	334.54	0.07
9.00	0.10	334.57	0.10
9.50	0.14	334.59	0.14
10.00	0.19	334.62	0.19
10.50	0.26	334.66	0.26
11.00	0.36	334.70	0.36
11.50	0.62	334.79	0.62
12.00	**3.55**	**335.41**	**3.55**
12.50	**1.91**	**335.10**	**1.91**
13.00	0.71	334.81	0.71
13.50	0.54	334.76	0.54
14.00	0.44	334.73	0.44
14.50	0.38	334.70	0.38
15.00	0.33	334.69	0.33
15.50	0.29	334.66	0.29
16.00	0.24	334.64	0.24
16.50	0.21	334.63	0.21
17.00	0.19	334.62	0.19
17.50	0.17	334.61	0.17
18.00	0.14	334.59	0.14
18.50	0.13	334.59	0.13
19.00	0.13	334.58	0.13
19.50	0.12	334.58	0.12
20.00	0.12	334.57	0.12
20.50	0.11	334.57	0.11
21.00	0.10	334.57	0.10
21.50	0.10	334.56	0.10
22.00	0.10	334.56	0.10
22.50	0.09	334.56	0.09
23.00	0.09	334.55	0.09
23.50	0.08	334.55	0.08
24.00	0.08	334.54	0.08

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

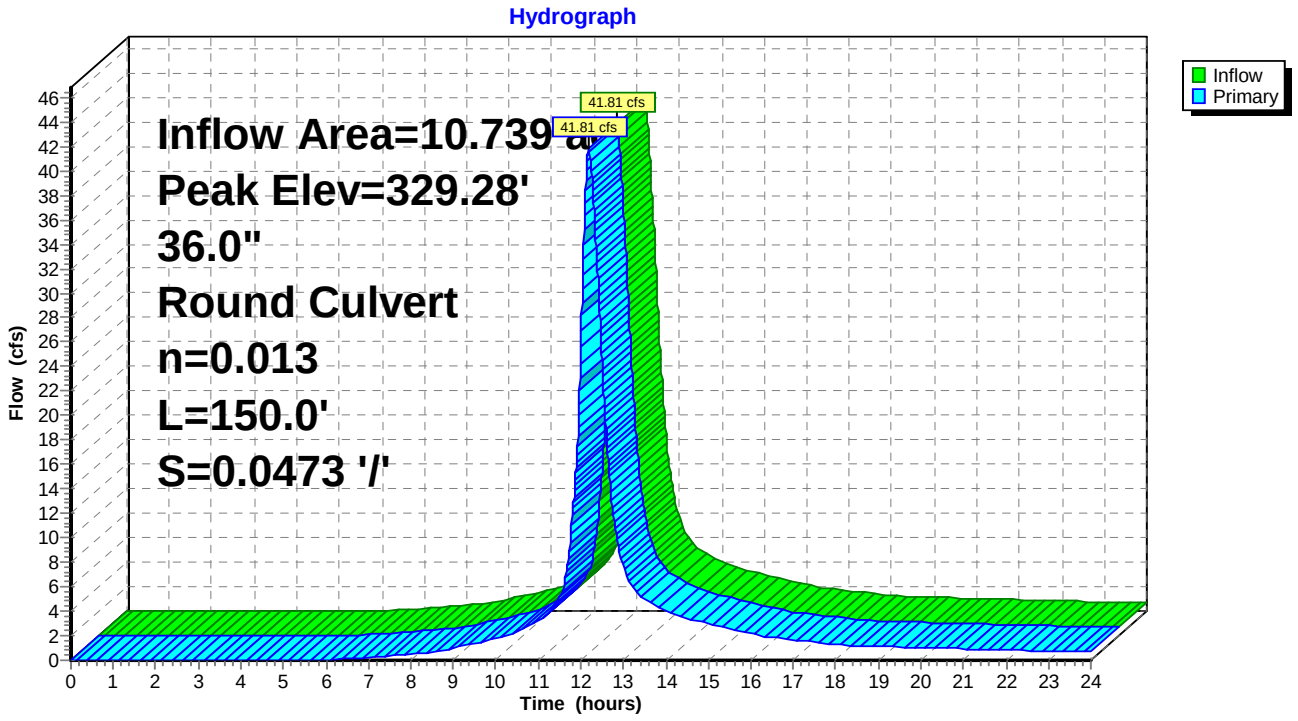
Inflow Area = 10.739 ac, 29.46% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af
Outflow = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af, Atten= 0%, Lag= 0.0 min
Primary = 41.81 cfs @ 12.18 hrs, Volume= 4.716 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 329.28' @ 12.18 hrs
Flood Elev= 332.25'

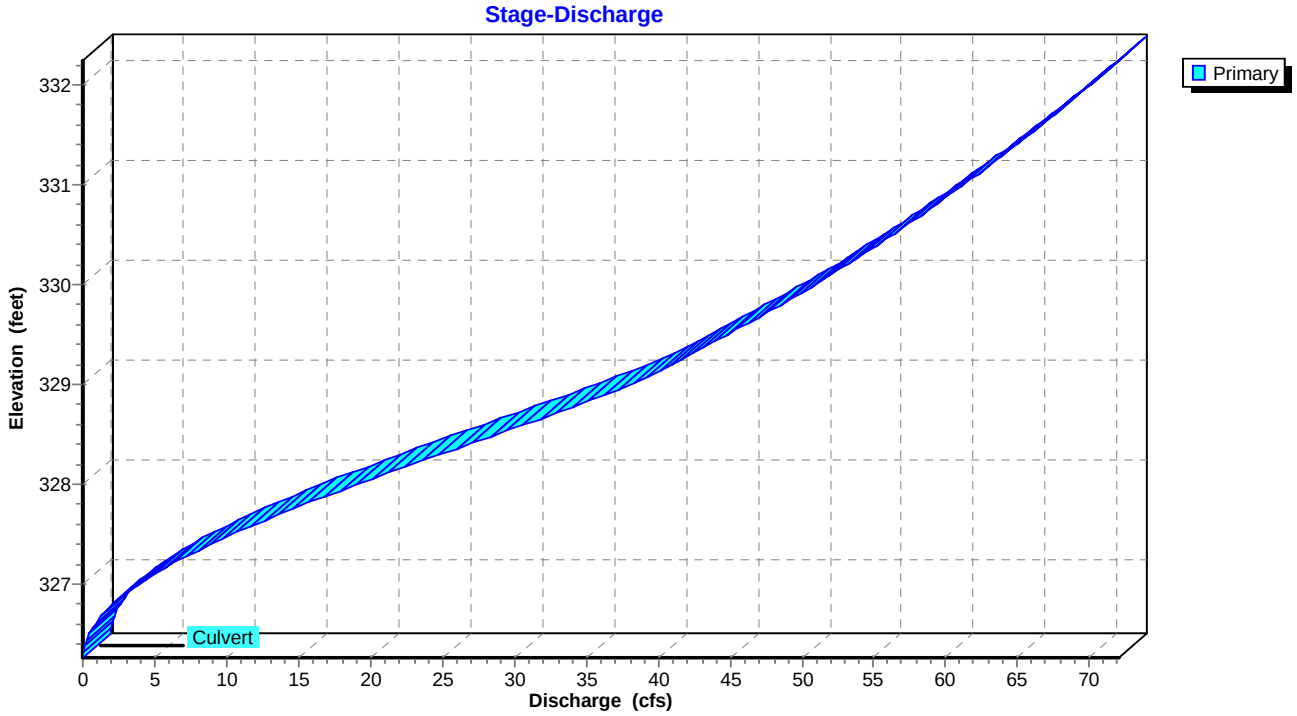
Device	Routing	Invert	Outlet Devices
#1	Primary	326.27'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 326.27' / 319.17' S= 0.0473 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=41.80 cfs @ 12.18 hrs HW=329.28' TW=322.22' (Dynamic Tailwater)
1=Culvert (Inlet Controls 41.80 cfs @ 5.91 fps)

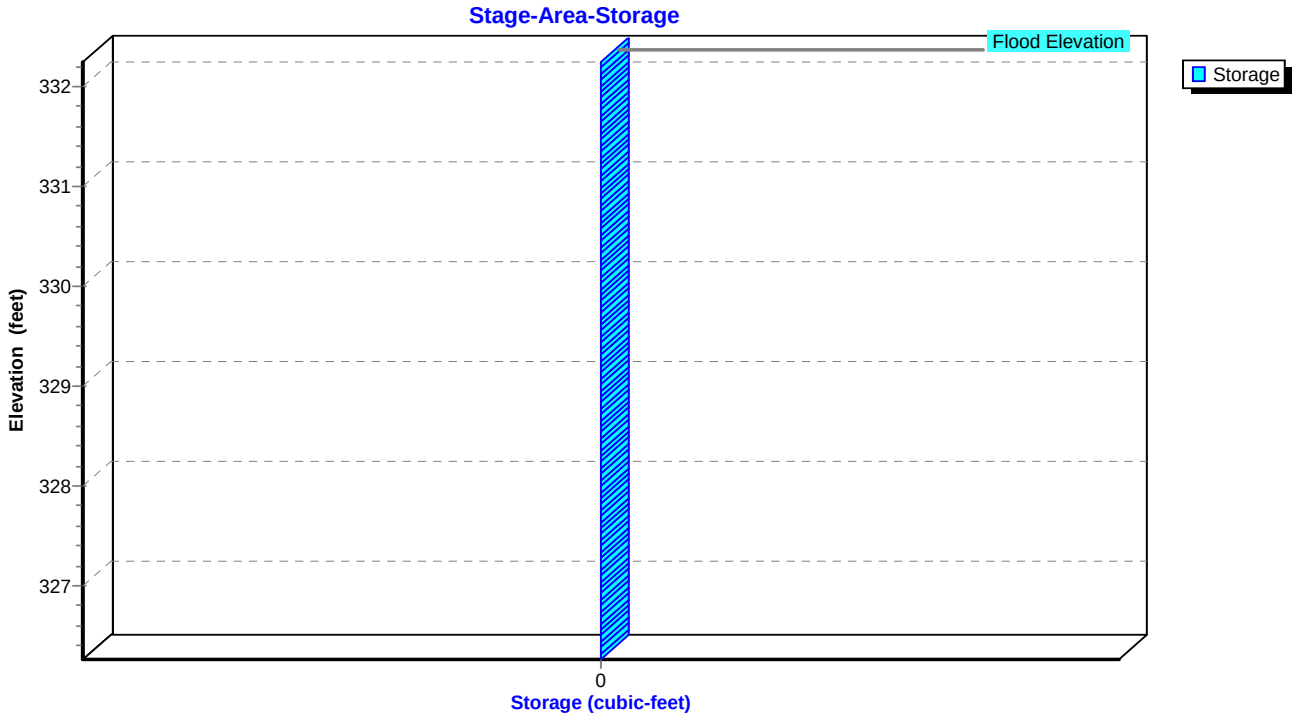
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	326.27	0.00
0.50	0.00	326.27	0.00
1.00	0.00	326.27	0.00
1.50	0.00	326.27	0.00
2.00	0.00	326.27	0.00
2.50	0.00	326.27	0.00
3.00	0.00	326.27	0.00
3.50	0.00	326.27	0.00
4.00	0.00	326.27	0.00
4.50	0.00	326.27	0.00
5.00	0.00	326.28	0.00
5.50	0.01	326.31	0.01
6.00	0.05	326.35	0.05
6.50	0.12	326.40	0.12
7.00	0.22	326.44	0.22
7.50	0.34	326.48	0.34
8.00	0.49	326.52	0.49
8.50	0.70	326.57	0.70
9.00	0.99	326.63	0.99
9.50	1.35	326.69	1.35
10.00	1.76	326.76	1.76
10.50	2.37	326.84	2.37
11.00	3.19	326.93	3.19
11.50	5.11	327.11	5.11
12.00	**25.58**	**328.35**	**25.58**
12.50	**24.44**	**328.29**	**24.44**
13.00	7.69	327.32	7.69
13.50	5.00	327.11	5.00
14.00	4.06	327.02	4.06
14.50	3.43	326.96	3.43
15.00	3.01	326.91	3.01
15.50	2.59	326.86	2.59
16.00	2.16	326.81	2.16
16.50	1.86	326.77	1.86
17.00	1.67	326.74	1.67
17.50	1.49	326.72	1.49
18.00	1.30	326.69	1.30
18.50	1.18	326.67	1.18
19.00	1.12	326.66	1.12
19.50	1.07	326.65	1.07
20.00	1.01	326.64	1.01
20.50	0.96	326.63	0.96
21.00	0.92	326.62	0.92
21.50	0.88	326.61	0.88
22.00	0.84	326.60	0.84
22.50	0.80	326.59	0.80
23.00	0.75	326.58	0.75
23.50	0.71	326.58	0.71
24.00	0.67	326.57	0.67

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
326.27	0.00	328.31	24.89	330.35	54.67
326.31	0.01	328.35	25.68	330.39	55.09
326.35	0.05	328.39	26.47	330.43	55.51
326.39	0.11	328.43	27.26	330.47	55.93
326.43	0.20	328.47	28.05	330.51	56.34
326.47	0.31	328.51	28.84	330.55	56.75
326.51	0.44	328.55	29.63	330.59	57.15
326.55	0.60	328.59	30.42	330.63	57.56
326.59	0.78	328.63	31.20	330.67	57.96
326.63	0.98	328.67	31.98	330.71	58.36
326.67	1.21	328.71	32.74	330.75	58.75
326.71	1.45	328.75	33.51	330.79	59.15
326.75	1.72	328.79	34.26	330.83	59.54
326.79	2.01	328.83	35.00	330.87	59.92
326.83	2.32	328.87	35.73	330.91	60.31
326.87	2.65	328.91	36.45	330.95	60.69
326.91	3.01	328.95	37.14	330.99	61.07
326.95	3.38	328.99	37.82	331.03	61.45
326.99	3.77	329.03	38.48	331.07	61.83
327.03	4.18	329.07	39.12	331.11	62.20
327.07	4.61	329.11	39.72	331.15	62.57
327.11	5.06	329.15	40.29	331.19	62.94
327.15	5.52	329.19	40.82	331.23	63.31
327.19	6.00	329.23	41.30	331.27	63.67
327.23	6.51	329.27	41.68	331.31	64.04
327.27	7.02	329.31	42.24	331.35	64.40
327.31	7.56	329.35	42.78	331.39	64.76
327.35	8.11	329.39	43.32	331.43	65.11
327.39	8.67	329.43	43.85	331.47	65.47
327.43	9.25	329.47	44.38	331.51	65.82
327.47	9.85	329.51	44.90	331.55	66.17
327.51	10.46	329.55	45.41	331.59	66.52
327.55	11.08	329.59	45.92	331.63	66.87
327.59	11.72	329.63	46.42	331.67	67.21
327.63	12.37	329.67	46.91	331.71	67.56
327.67	13.03	329.71	47.41	331.75	67.90
327.71	13.70	329.75	47.89	331.79	68.24
327.75	14.39	329.79	48.37	331.83	68.58
327.79	15.09	329.83	48.85	331.87	68.92
327.83	15.79	329.87	49.32	331.91	69.25
327.87	16.51	329.91	49.79	331.95	69.58
327.91	17.24	329.95	50.25	331.99	69.92
327.95	17.97	329.99	50.71	332.03	70.25
327.99	18.72	330.03	51.17	332.07	70.58
328.03	19.47	330.07	51.62	332.11	70.90
328.07	20.23	330.11	52.06	332.15	71.23
328.11	20.99	330.15	52.51	332.19	71.55
328.15	21.76	330.19	52.95	332.23	**71.88**
328.19	22.54	330.23	53.38		
328.23	23.32	330.27	53.81		
328.27	24.10	330.31	54.24		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
326.27	**0**	328.31	0	330.35	0
326.31	0	328.35	0	330.39	0
326.35	0	328.39	0	330.43	0
326.39	0	328.43	0	330.47	0
326.43	0	328.47	0	330.51	0
326.47	0	328.51	0	330.55	0
326.51	0	328.55	0	330.59	0
326.55	0	328.59	0	330.63	0
326.59	0	328.63	0	330.67	0
326.63	0	328.67	0	330.71	0
326.67	0	328.71	0	330.75	0
326.71	0	328.75	0	330.79	0
326.75	0	328.79	0	330.83	0
326.79	0	328.83	0	330.87	0
326.83	0	328.87	0	330.91	0
326.87	0	328.91	0	330.95	0
326.91	0	328.95	0	330.99	0
326.95	0	328.99	0	331.03	0
326.99	0	329.03	0	331.07	0
327.03	0	329.07	0	331.11	0
327.07	0	329.11	0	331.15	0
327.11	0	329.15	0	331.19	0
327.15	0	329.19	0	331.23	0
327.19	0	329.23	0	331.27	0
327.23	0	329.27	0	331.31	0
327.27	0	329.31	0	331.35	0
327.31	0	329.35	0	331.39	0
327.35	0	329.39	0	331.43	0
327.39	0	329.43	0	331.47	0
327.43	0	329.47	0	331.51	0
327.47	0	329.51	0	331.55	0
327.51	0	329.55	0	331.59	0
327.55	0	329.59	0	331.63	0
327.59	0	329.63	0	331.67	0
327.63	0	329.67	0	331.71	0
327.67	0	329.71	0	331.75	0
327.71	0	329.75	0	331.79	0
327.75	0	329.79	0	331.83	0
327.79	0	329.83	0	331.87	0
327.83	0	329.87	0	331.91	0
327.87	0	329.91	0	331.95	0
327.91	0	329.95	0	331.99	0
327.95	0	329.99	0	332.03	0
327.99	0	330.03	0	332.07	0
328.03	0	330.07	0	332.11	0
328.07	0	330.11	0	332.15	0
328.11	0	330.15	0	332.19	0
328.15	0	330.19	0	332.23	0
328.19	0	330.23	0		
328.23	0	330.27	0		
328.27	0	330.31	0		

Summary for Pond CB8-1: CB1-1

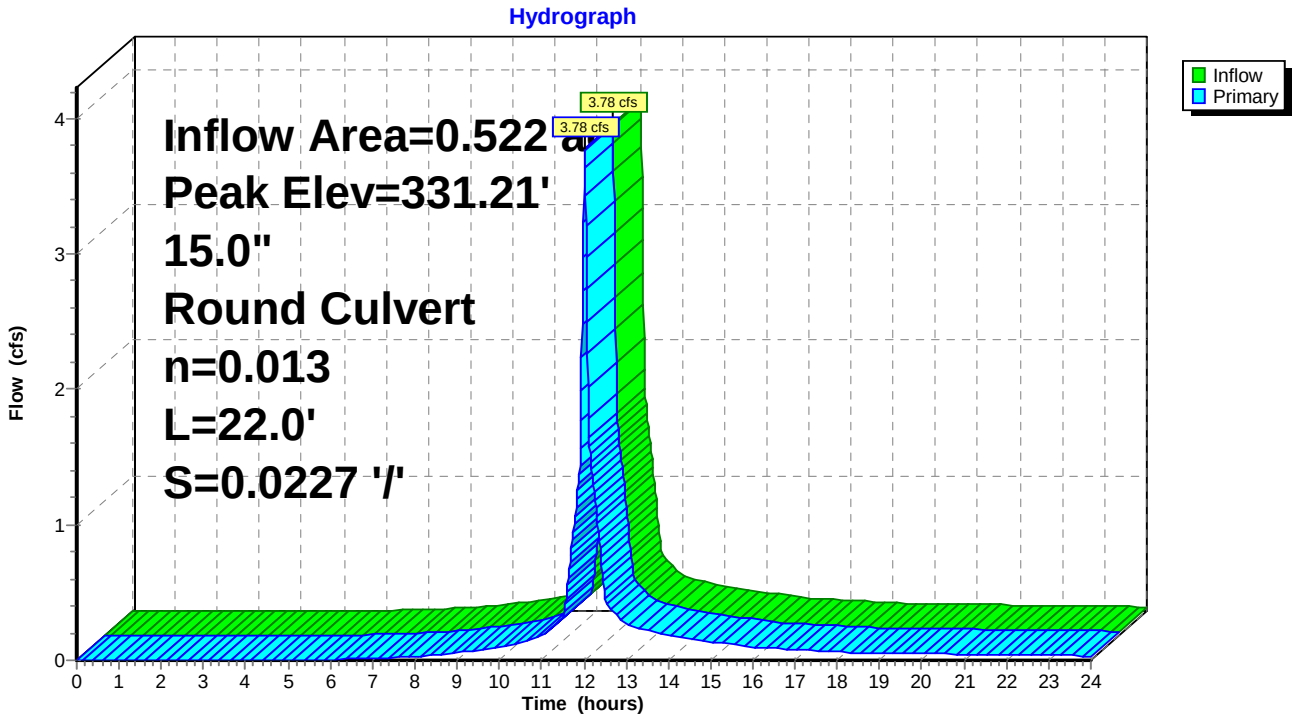
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af
Outflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af, Atten= 0%, Lag= 0.0 min
Primary = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.21' @ 12.02 hrs
Flood Elev= 332.80'

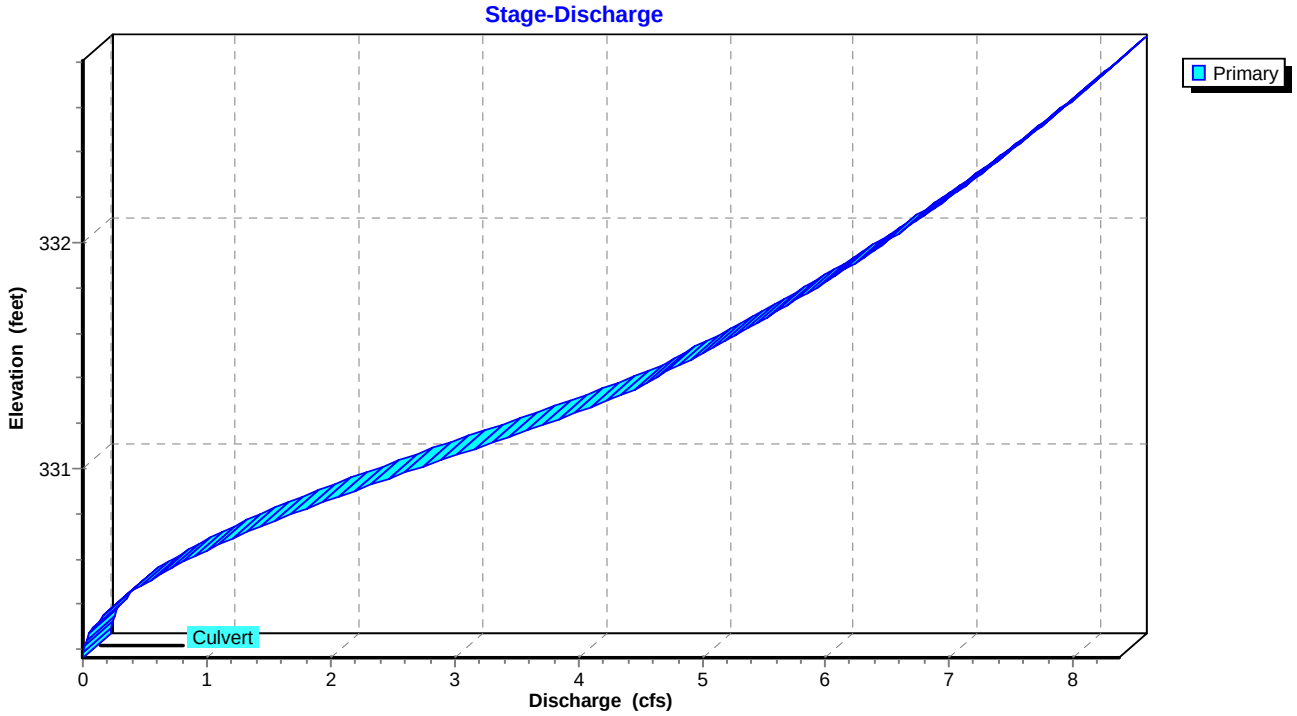
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.76 cfs @ 12.02 hrs HW=331.20' TW=328.46' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.76 cfs @ 3.46 fps)

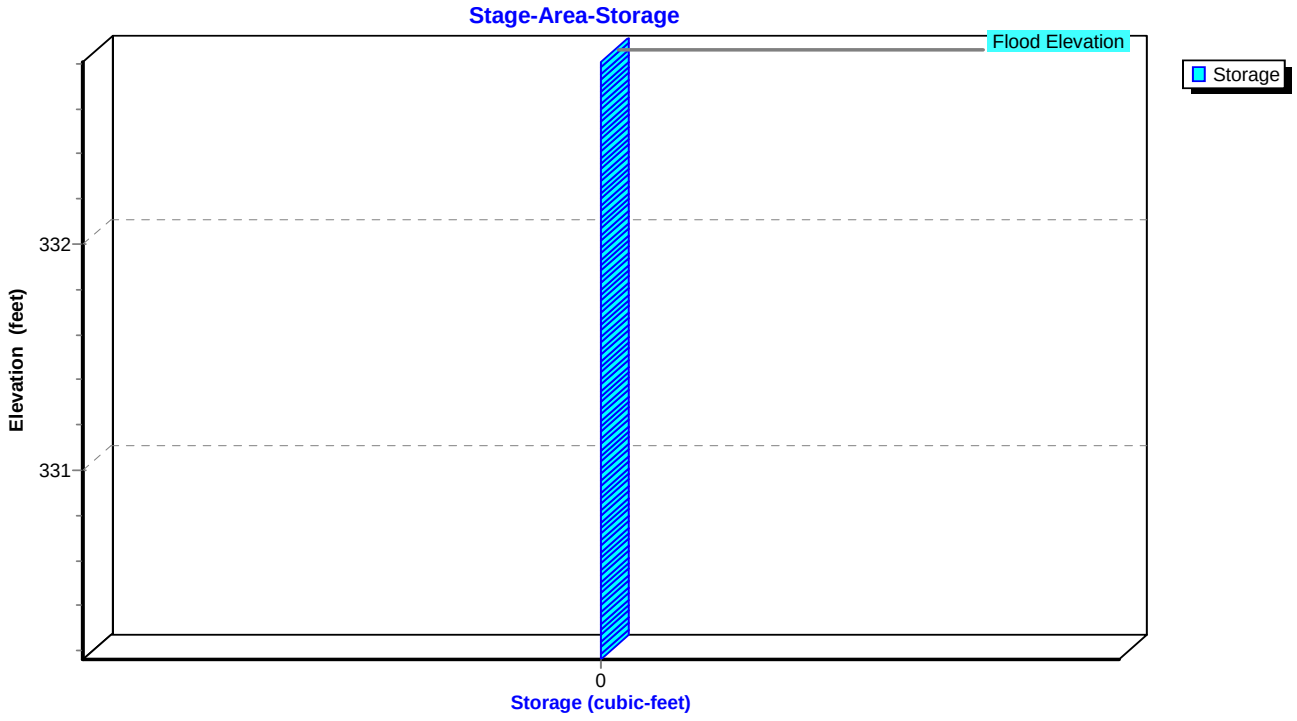
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.18	0.00
6.00	0.00	330.20	0.00
6.50	0.01	330.21	0.01
7.00	0.01	330.22	0.01
7.50	0.02	330.23	0.02
8.00	0.03	330.24	0.03
8.50	0.04	330.26	0.04
9.00	0.06	330.28	0.06
9.50	0.07	330.29	0.07
10.00	0.09	330.31	0.09
10.50	0.13	330.33	0.13
11.00	0.17	330.36	0.17
11.50	0.31	330.43	0.31
12.00	**3.49**	**331.15**	**3.49**
12.50	**0.47**	**330.49**	**0.47**
13.00	0.27	330.41	0.27
13.50	0.22	330.38	0.22
14.00	0.18	330.36	0.18
14.50	0.16	330.35	0.16
15.00	0.14	330.34	0.14
15.50	0.12	330.32	0.12
16.00	0.10	330.31	0.10
16.50	0.09	330.30	0.09
17.00	0.08	330.30	0.08
17.50	0.07	330.29	0.07
18.00	0.06	330.28	0.06
18.50	0.06	330.28	0.06
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.05	330.27	0.05
20.50	0.05	330.27	0.05
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.04	330.26	0.04
23.00	0.04	330.25	0.04
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

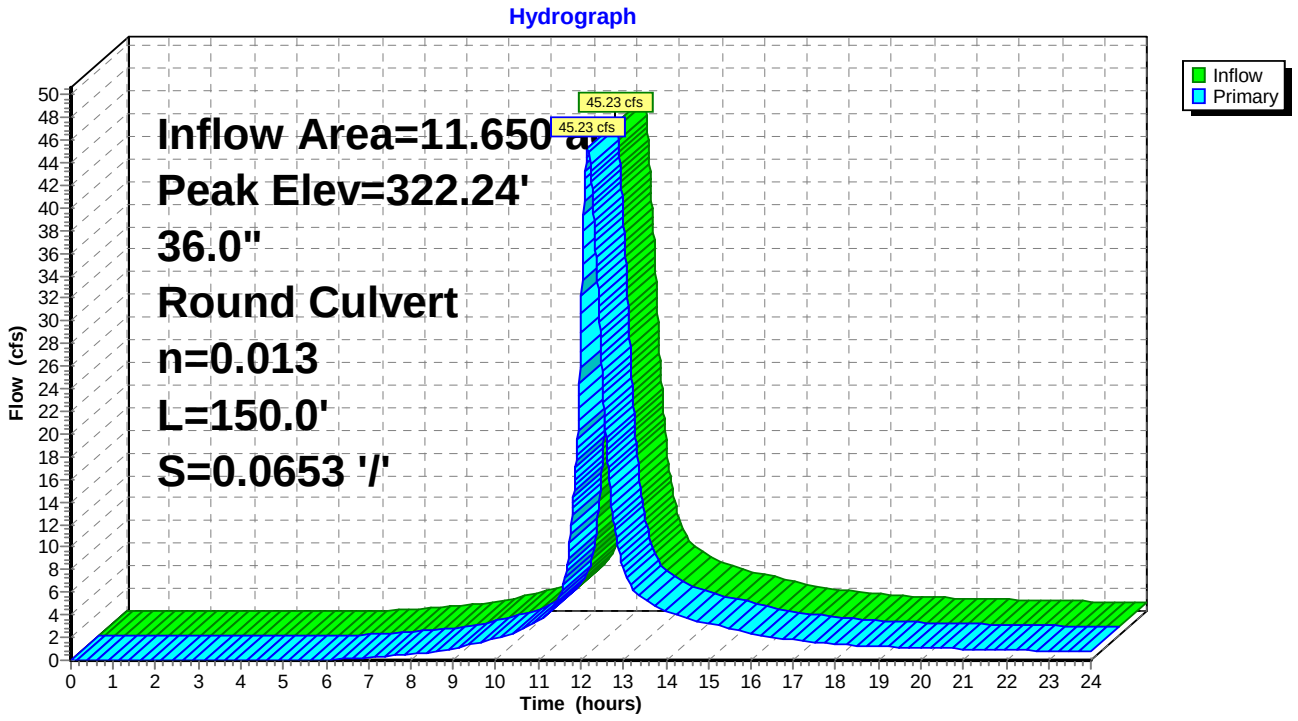
Inflow Area = 11.650 ac, 28.48% Impervious, Inflow Depth > 5.24" for 100-Year event
Inflow = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af
Outflow = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af, Atten= 0%, Lag= 0.0 min
Primary = 45.23 cfs @ 12.16 hrs, Volume= 5.090 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.24' @ 12.16 hrs
Flood Elev= 338.50'

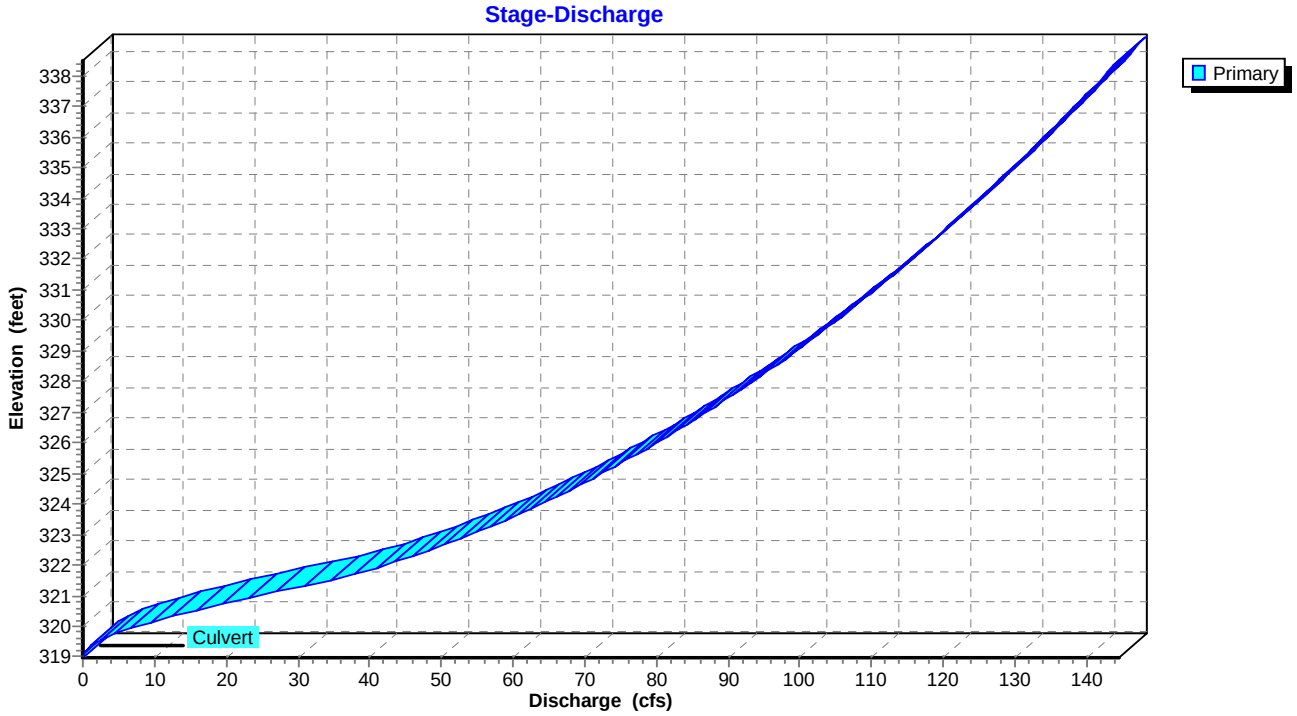
Device	Routing	Invert	Outlet Devices
#1	Primary	318.97'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 318.97' / 309.17' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=45.23 cfs @ 12.16 hrs HW=322.24' TW=312.38' (Dynamic Tailwater)
1=Culvert (Inlet Controls 45.23 cfs @ 6.40 fps)

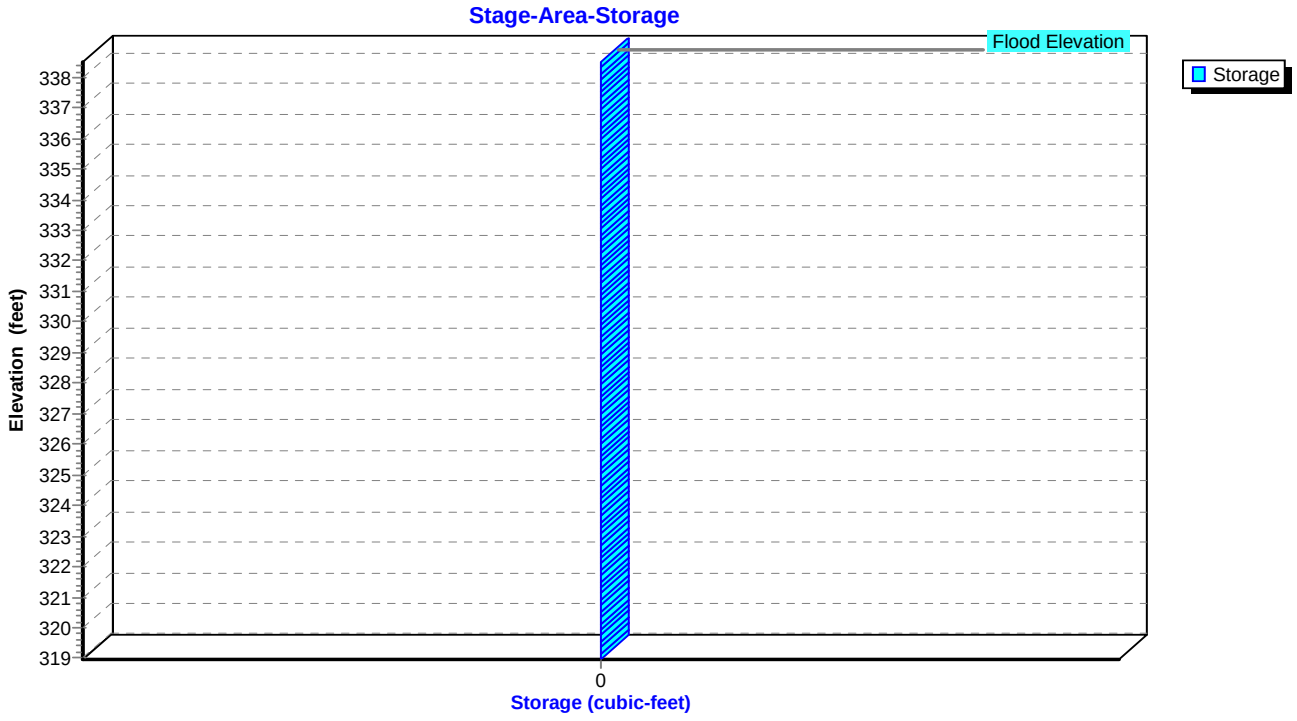
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	318.97	0.00
0.50	0.00	318.97	0.00
1.00	0.00	318.97	0.00
1.50	0.00	318.97	0.00
2.00	0.00	318.97	0.00
2.50	0.00	318.97	0.00
3.00	0.00	318.97	0.00
3.50	0.00	318.97	0.00
4.00	0.00	318.97	0.00
4.50	0.00	318.97	0.00
5.00	0.00	318.98	0.00
5.50	0.01	319.01	0.01
6.00	0.05	319.05	0.05
6.50	0.13	319.10	0.13
7.00	0.23	319.14	0.23
7.50	0.36	319.19	0.36
8.00	0.52	319.23	0.52
8.50	0.74	319.28	0.74
9.00	1.06	319.34	1.06
9.50	1.45	319.41	1.45
10.00	1.89	319.47	1.89
10.50	2.55	319.56	2.55
11.00	3.45	319.66	3.45
11.50	5.57	319.85	5.57
12.00	**28.91**	**321.21**	**28.91**
12.50	**25.57**	**321.04**	**25.57**
13.00	8.18	320.05	8.18
13.50	5.38	319.84	5.38
14.00	4.37	319.75	4.37
14.50	3.71	319.68	3.71
15.00	3.25	319.64	3.25
15.50	2.79	319.59	2.79
16.00	2.33	319.53	2.33
16.50	2.01	319.49	2.01
17.00	1.81	319.46	1.81
17.50	1.60	319.43	1.60
18.00	1.40	319.40	1.40
18.50	1.28	319.38	1.28
19.00	1.22	319.37	1.22
19.50	1.16	319.36	1.16
20.00	1.09	319.35	1.09
20.50	1.04	319.34	1.04
21.00	1.00	319.33	1.00
21.50	0.95	319.32	0.95
22.00	0.91	319.32	0.91
22.50	0.86	319.31	0.86
23.00	0.81	319.30	0.81
23.50	0.77	319.29	0.77
24.00	0.72	319.28	0.72

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
318.97	0.00	329.17	100.39
319.17	0.31	329.37	101.54
319.37	1.21	329.57	102.67
319.57	2.65	329.77	103.79
319.77	4.61	329.97	104.90
319.97	7.02	330.17	106.00
320.17	9.85	330.37	107.09
320.37	13.03	330.57	108.17
320.57	16.51	330.77	109.23
320.77	20.23	330.97	110.29
320.97	24.10	331.17	111.33
321.17	28.05	331.37	112.37
321.37	31.98	331.57	113.39
321.57	35.73	331.77	114.41
321.77	39.12	331.97	115.42
321.97	41.68	332.17	116.42
322.17	44.38	332.37	117.41
322.37	46.91	332.57	118.39
322.57	49.32	332.77	119.37
322.77	51.62	332.97	120.33
322.97	53.81	333.17	121.29
323.17	55.93	333.37	122.24
323.37	57.96	333.57	123.19
323.57	59.92	333.77	124.12
323.77	61.83	333.97	125.05
323.97	63.67	334.17	125.98
324.17	65.47	334.37	126.89
324.37	67.21	334.57	127.80
324.57	68.92	334.77	128.70
324.77	70.58	334.97	129.60
324.97	72.20	335.17	130.49
325.17	73.79	335.37	131.38
325.37	75.34	335.57	132.26
325.57	76.86	335.77	133.13
325.77	78.35	335.97	134.00
325.97	79.82	336.17	134.86
326.17	81.26	336.37	135.71
326.37	82.67	336.57	136.57
326.57	84.06	336.77	137.41
326.77	85.43	336.97	138.25
326.97	86.77	337.17	139.09
327.17	88.10	337.37	139.92
327.37	89.40	337.57	140.74
327.57	90.69	337.77	141.56
327.77	91.96	337.97	142.38
327.97	93.21	338.17	143.19
328.17	94.44	338.37	**144.00**
328.37	95.66		
328.57	96.87		
328.77	98.05		
328.97	99.23		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
318.97	**0**	329.17	0
319.17	0	329.37	0
319.37	0	329.57	0
319.57	0	329.77	0
319.77	0	329.97	0
319.97	0	330.17	0
320.17	0	330.37	0
320.37	0	330.57	0
320.57	0	330.77	0
320.77	0	330.97	0
320.97	0	331.17	0
321.17	0	331.37	0
321.37	0	331.57	0
321.57	0	331.77	0
321.77	0	331.97	0
321.97	0	332.17	0
322.17	0	332.37	0
322.37	0	332.57	0
322.57	0	332.77	0
322.77	0	332.97	0
322.97	0	333.17	0
323.17	0	333.37	0
323.37	0	333.57	0
323.57	0	333.77	0
323.77	0	333.97	0
323.97	0	334.17	0
324.17	0	334.37	0
324.37	0	334.57	0
324.57	0	334.77	0
324.77	0	334.97	0
324.97	0	335.17	0
325.17	0	335.37	0
325.37	0	335.57	0
325.57	0	335.77	0
325.77	0	335.97	0
325.97	0	336.17	0
326.17	0	336.37	0
326.37	0	336.57	0
326.57	0	336.77	0
326.77	0	336.97	0
326.97	0	337.17	0
327.17	0	337.37	0
327.37	0	337.57	0
327.57	0	337.77	0
327.77	0	337.97	0
327.97	0	338.17	0
328.17	0	338.37	0
328.37	0		
328.57	0		
328.77	0		
328.97	0		

Summary for Pond CB9-1: CB1-1

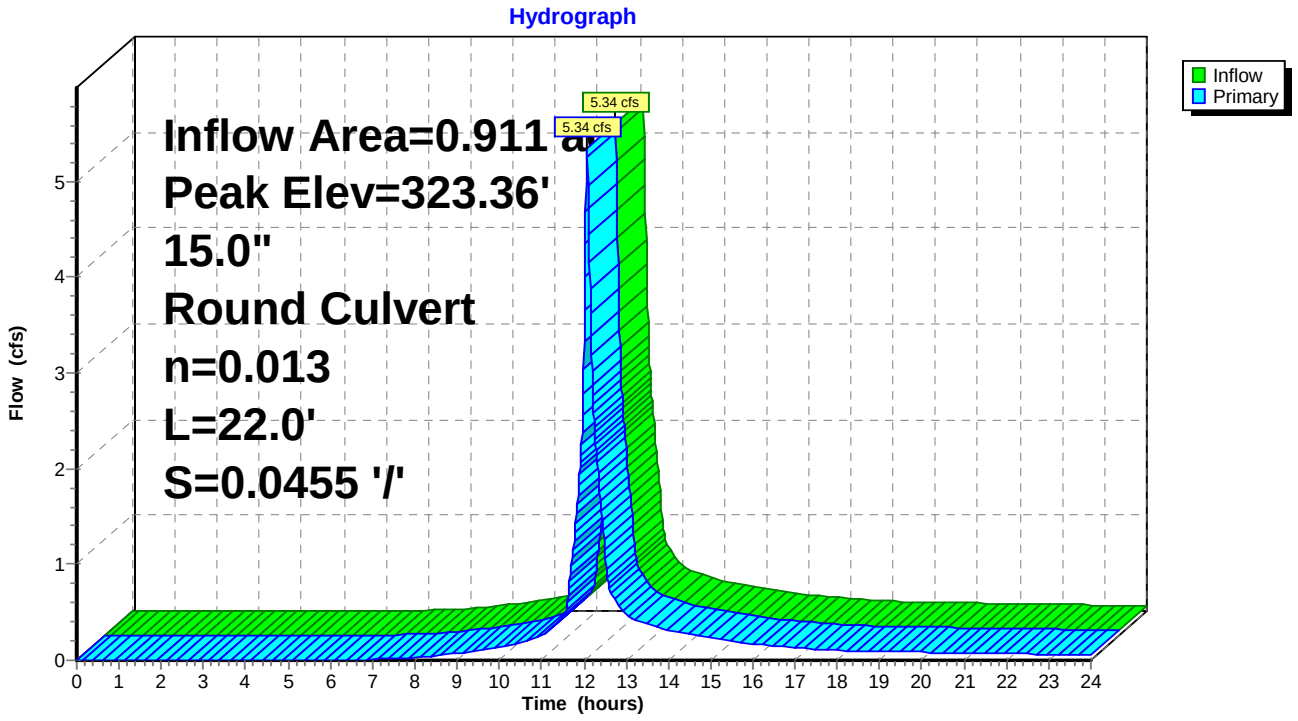
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.93" for 100-Year event
Inflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af
Outflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.36' @ 12.08 hrs
Flood Elev= 324.50'

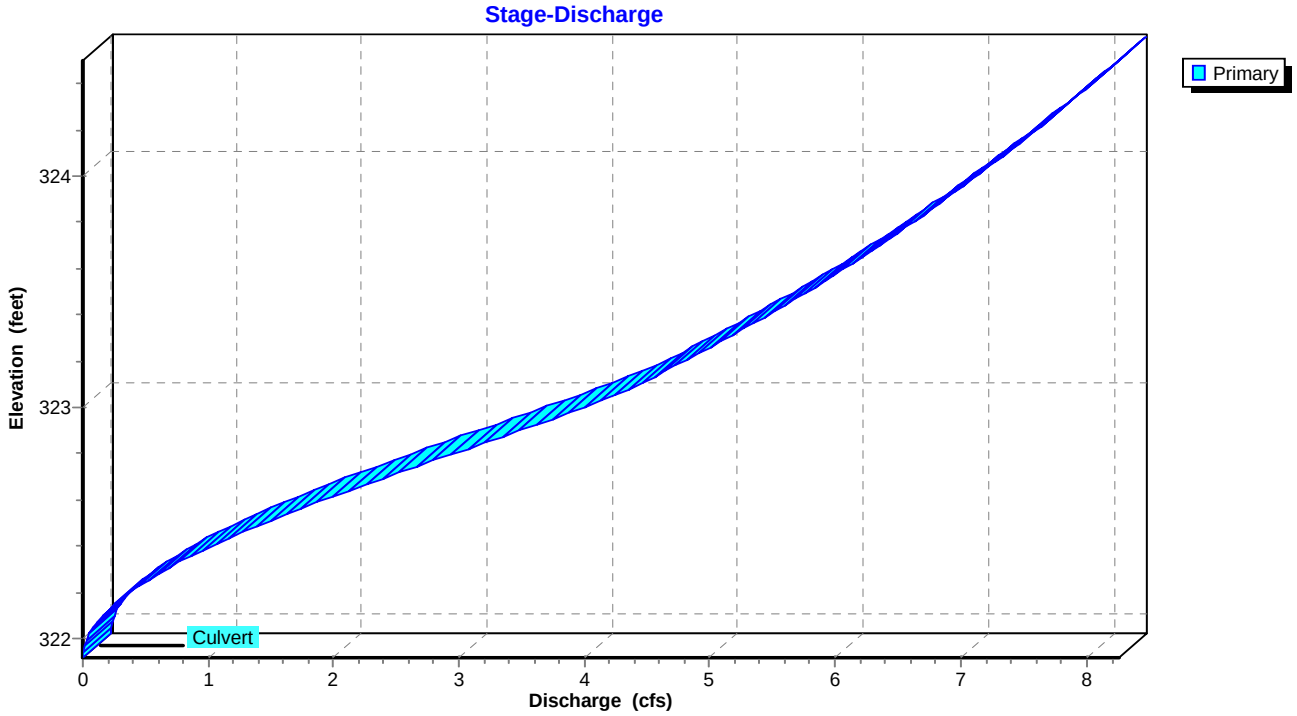
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.34 cfs @ 12.08 hrs HW=323.36' TW=321.86' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.34 cfs @ 4.35 fps)

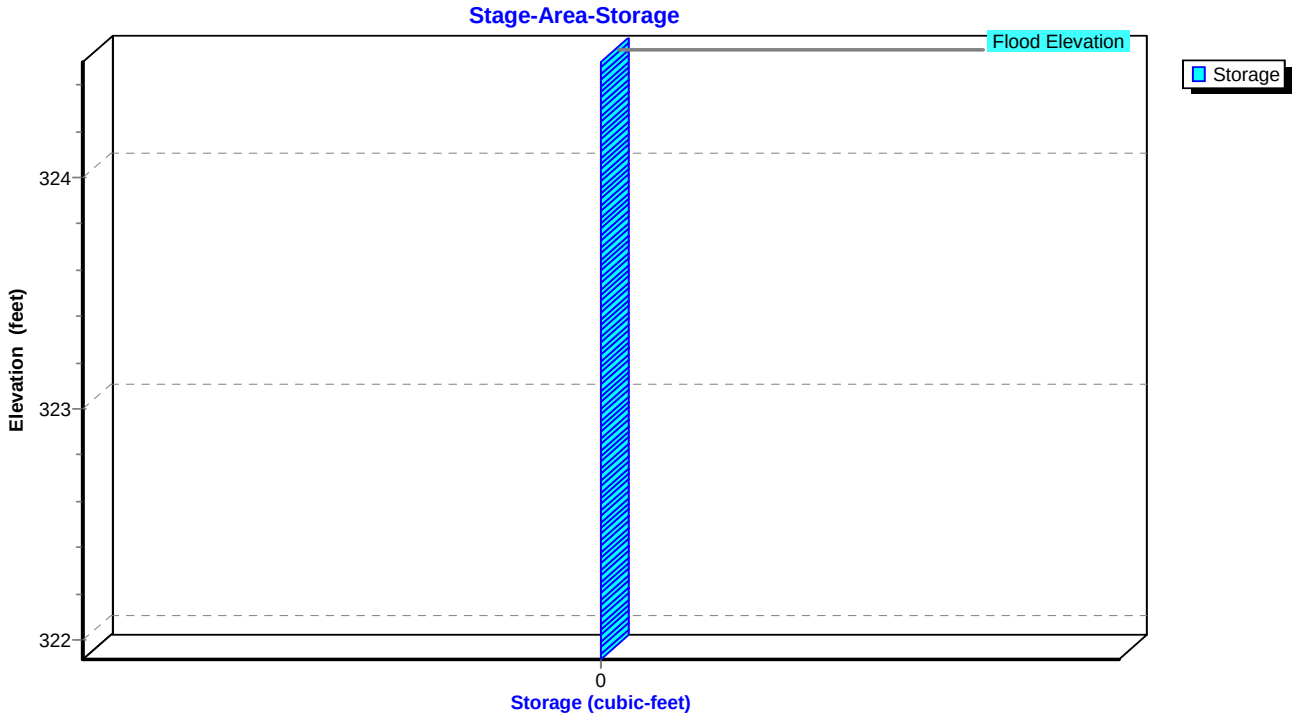
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.94	0.00
7.00	0.01	321.96	0.01
7.50	0.02	321.98	0.02
8.00	0.03	322.00	0.03
8.50	0.05	322.02	0.05
9.00	0.07	322.04	0.07
9.50	0.10	322.06	0.10
10.00	0.13	322.09	0.13
10.50	0.19	322.12	0.19
11.00	0.26	322.15	0.26
11.50	0.45	322.23	0.45
12.00	**3.33**	**322.87**	**3.33**
12.50	**1.13**	**322.43**	**1.13**
13.00	0.48	322.24	0.48
13.50	0.38	322.20	0.38
14.00	0.31	322.18	0.31
14.50	0.27	322.16	0.27
15.00	0.24	322.14	0.24
15.50	0.20	322.12	0.20
16.00	0.17	322.11	0.17
16.50	0.15	322.09	0.15
17.00	0.13	322.09	0.13
17.50	0.12	322.08	0.12
18.00	0.10	322.06	0.10
18.50	0.10	322.06	0.10
19.00	0.09	322.06	0.09
19.50	0.09	322.05	0.09
20.00	0.08	322.05	0.08
20.50	0.08	322.05	0.08
21.00	0.08	322.04	0.08
21.50	0.07	322.04	0.07
22.00	0.07	322.04	0.07
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.06	322.03	0.06
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

D - Alternate 4

Routing Diagram for Cedar Lane Drainage Study Alternate4

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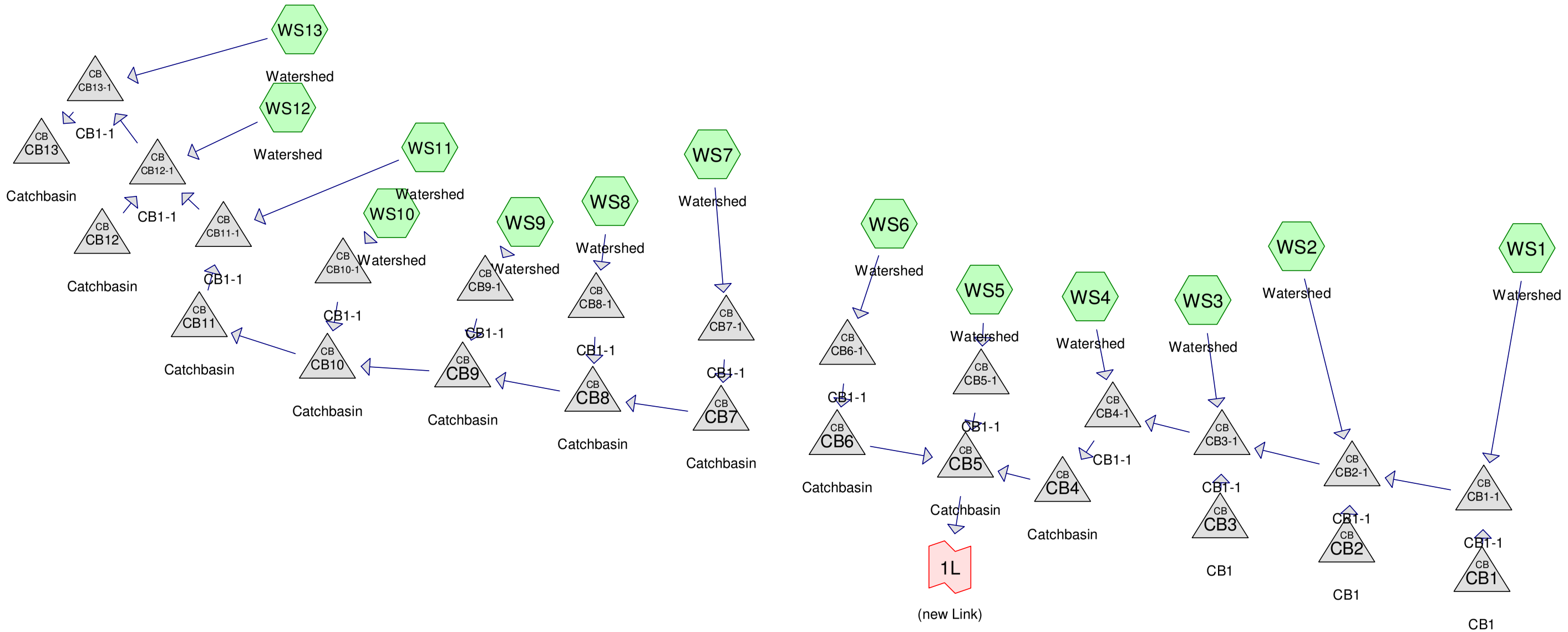

Routing Diagram for Cedar Lane Drainage Study Alternate4

Prepared by Microsoft, Printed 11/23/2011

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
10.883	74	>75% Grass cover, Good, HSG C (WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
4.163	98	Paved parking, HSG C (WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9)
15.046	**81**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
15.046	HSG C	WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	HSG D	
0.000	Other	
15.046		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	10.883	0.000	0.000	10.883	>75% Grass cover, Good	WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	0.000	4.163	0.000	0.000	4.163	Paved parking	WS1, WS10, WS11, WS12, WS13, WS2, WS3, WS4, WS5, WS6, WS7, WS8, WS9
0.000	**0.000**	**15.046**	**0.000**	**0.000**	**15.046**	**TOTAL AREA**	

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	CB1	345.52	345.42	22.0	0.0045	0.013	15.0	0.0	0.0
2	CB1-1	345.92	342.92	150.0	0.0200	0.013	18.0	0.0	0.0
3	CB10	310.67	300.37	150.0	0.0687	0.013	24.0	0.0	0.0
4	CB10-1	311.92	310.92	22.0	0.0455	0.013	15.0	0.0	0.0
5	CB11	300.17	297.87	22.0	0.1045	0.013	36.0	0.0	0.0
6	CB11-1	299.12	298.12	150.0	0.0067	0.013	36.0	0.0	0.0
7	CB12	295.67	293.37	22.0	0.1045	0.013	15.0	0.0	0.0
8	CB12-1	298.00	294.87	150.0	0.0209	0.013	36.0	0.0	0.0
9	CB13	293.17	288.37	150.0	0.0320	0.013	36.0	0.0	0.0
10	CB13-1	294.67	289.87	22.0	0.2182	0.013	36.0	0.0	0.0
11	CB2	343.87	343.67	22.0	0.0091	0.013	15.0	0.0	0.0
12	CB2-1	342.72	339.92	150.0	0.0187	0.013	24.0	0.0	0.0
13	CB3	341.87	341.67	22.0	0.0091	0.013	15.0	0.0	0.0
14	CB3-1	339.72	336.37	150.0	0.0223	0.013	24.0	0.0	0.0
15	CB4	333.47	331.67	150.0	0.0120	0.013	36.0	0.0	0.0
16	CB4-1	334.17	333.67	22.0	0.0227	0.013	24.0	0.0	0.0
17	CB5	330.00	220.00	150.0	0.7333	0.013	36.0	0.0	0.0
18	CB5-1	333.92	330.67	22.0	0.1477	0.013	15.0	0.0	0.0
19	CB6	333.47	331.67	150.0	0.0120	0.013	18.0	0.0	0.0
20	CB6-1	335.92	334.42	22.0	0.0682	0.013	15.0	0.0	0.0
21	CB7	332.92	329.62	150.0	0.0220	0.013	18.0	0.0	0.0
22	CB7-1	334.42	333.17	22.0	0.0568	0.013	15.0	0.0	0.0
23	CB8	329.42	320.87	150.0	0.0570	0.013	18.0	0.0	0.0
24	CB8-1	330.17	329.67	22.0	0.0227	0.013	15.0	0.0	0.0
25	CB9	320.67	310.87	150.0	0.0653	0.013	24.0	0.0	0.0
26	CB9-1	321.92	320.92	22.0	0.0455	0.013	15.0	0.0	0.0

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.55' Inflow=1.90 cfs 0.225 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=1.90 cfs 0.225 af

Pond CB10: Catchbasin Peak Elev=311.48' Inflow=3.62 cfs 0.299 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=3.62 cfs 0.299 af

Pond CB10-1: CB1-1 Peak Elev=312.41' Inflow=1.06 cfs 0.064 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.06 cfs 0.064 af

Pond CB11: Catchbasin Peak Elev=300.88' Inflow=3.62 cfs 0.299 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=3.62 cfs 0.299 af

Pond CB11-1: CB1-1 Peak Elev=299.94' Inflow=4.17 cfs 0.358 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=4.17 cfs 0.358 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=298.88' Inflow=5.49 cfs 0.470 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=5.49 cfs 0.470 af

Pond CB13: Catchbasin Peak Elev=294.11' Inflow=6.21 cfs 0.546 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=6.21 cfs 0.546 af

Pond CB13-1: CB1-1 Peak Elev=295.61' Inflow=6.21 cfs 0.546 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=6.21 cfs 0.546 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=343.56' Inflow=3.89 cfs 0.445 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=3.89 cfs 0.445 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=340.67' Inflow=4.84 cfs 0.548 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=4.84 cfs 0.548 af

Pond CB4: Catchbasin Peak Elev=334.42' Inflow=6.38 cfs 0.739 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=6.38 cfs 0.739 af

Pond CB4-1: CB1-1 Peak Elev=335.28' Inflow=6.38 cfs 0.739 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=6.38 cfs 0.739 af

Pond CB5: Catchbasin Peak Elev=331.05' Inflow=7.72 cfs 0.884 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=7.72 cfs 0.884 af

Pond CB5-1: CB1-1 Peak Elev=334.22' Inflow=0.43 cfs 0.027 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.43 cfs 0.027 af

Pond CB6: Catchbasin Peak Elev=333.98' Inflow=1.28 cfs 0.119 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=1.28 cfs 0.119 af

Pond CB6-1: CB1-1 Peak Elev=336.46' Inflow=1.28 cfs 0.119 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.28 cfs 0.119 af

Pond CB7: Catchbasin Peak Elev=333.45' Inflow=1.37 cfs 0.109 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=1.37 cfs 0.109 af

Pond CB7-1: CB1-1 Peak Elev=334.98' Inflow=1.37 cfs 0.109 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=1.37 cfs 0.109 af

Pond CB8: Catchbasin Peak Elev=330.03' Inflow=1.80 cfs 0.160 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=1.80 cfs 0.160 af

Pond CB8-1: CB1-1 Peak Elev=330.60' Inflow=0.83 cfs 0.051 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=0.83 cfs 0.051 af

Pond CB9: Catchbasin Peak Elev=321.38' Inflow=2.84 cfs 0.234 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=2.84 cfs 0.234 af

Pond CB9-1: CB1-1 Peak Elev=322.40' Inflow=1.04 cfs 0.075 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.04 cfs 0.075 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

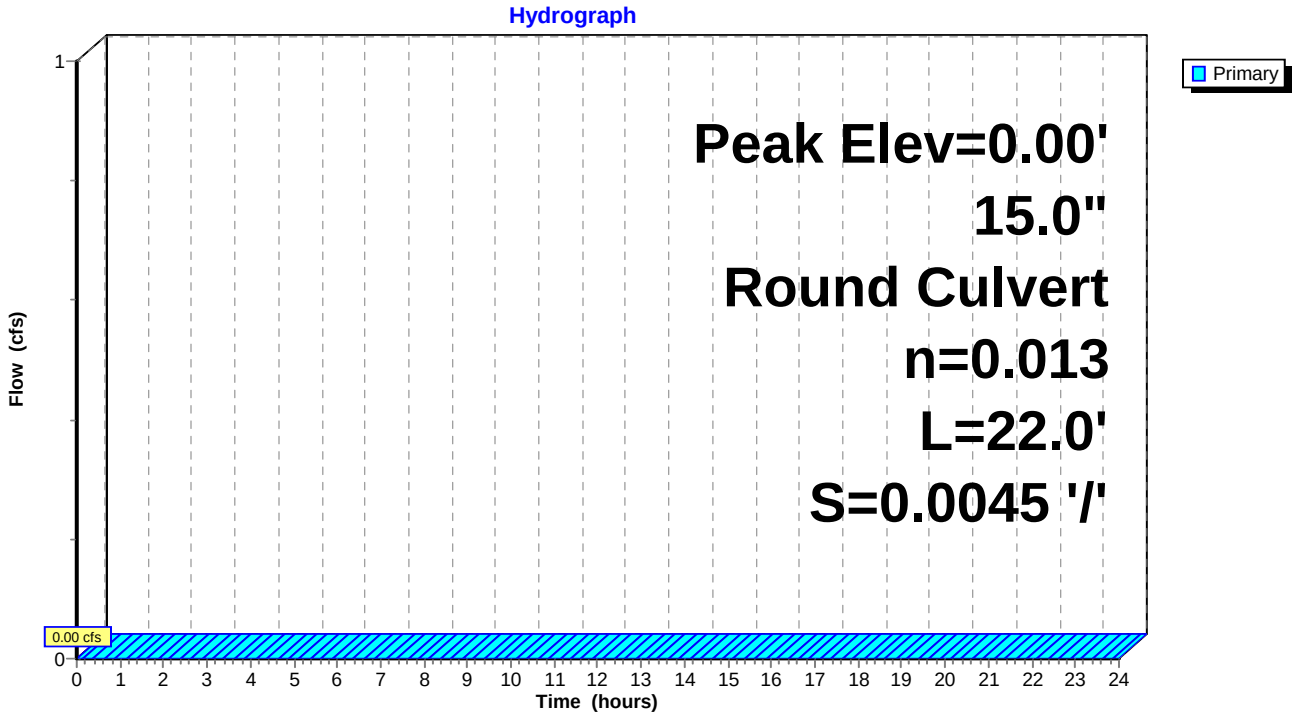
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

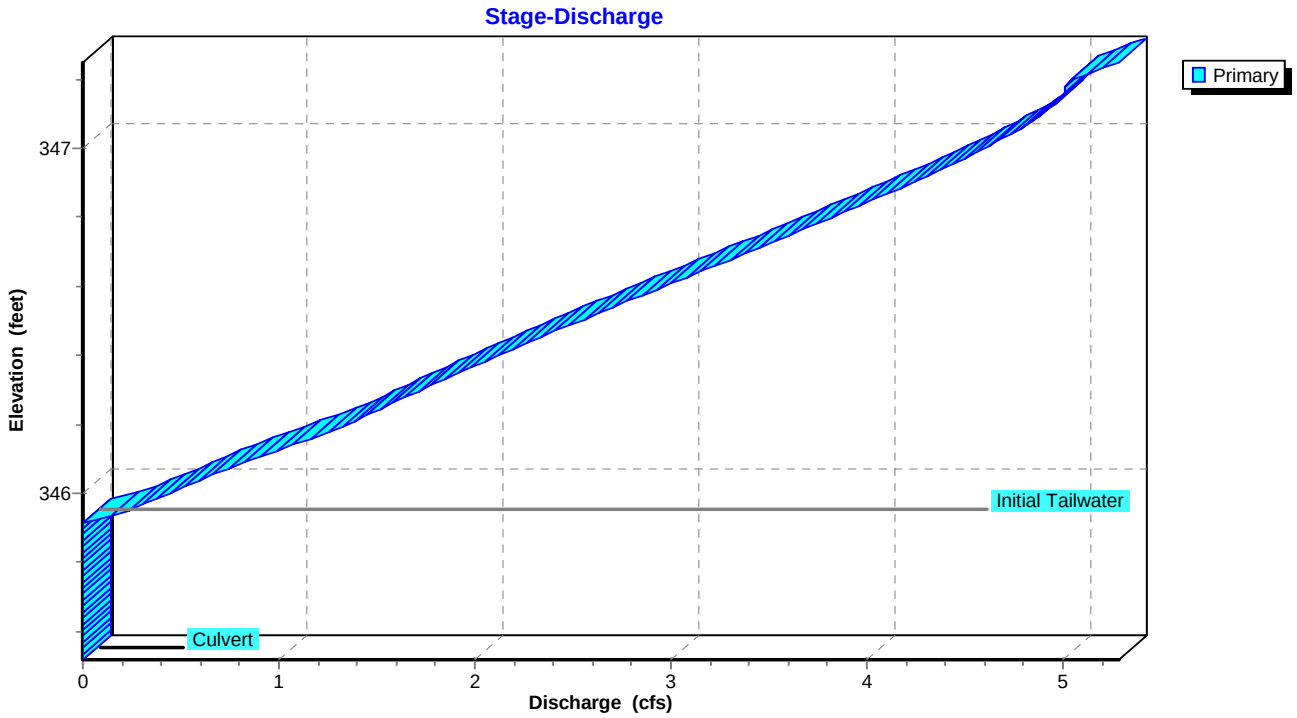
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

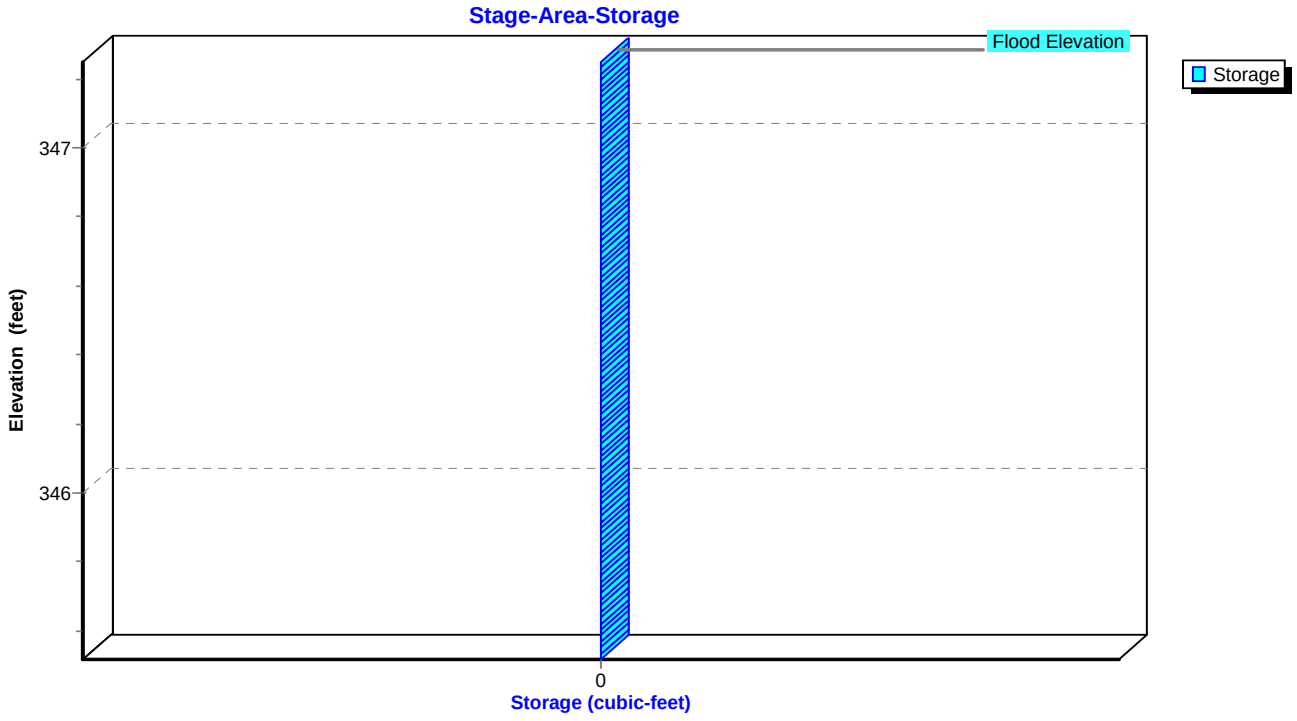
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

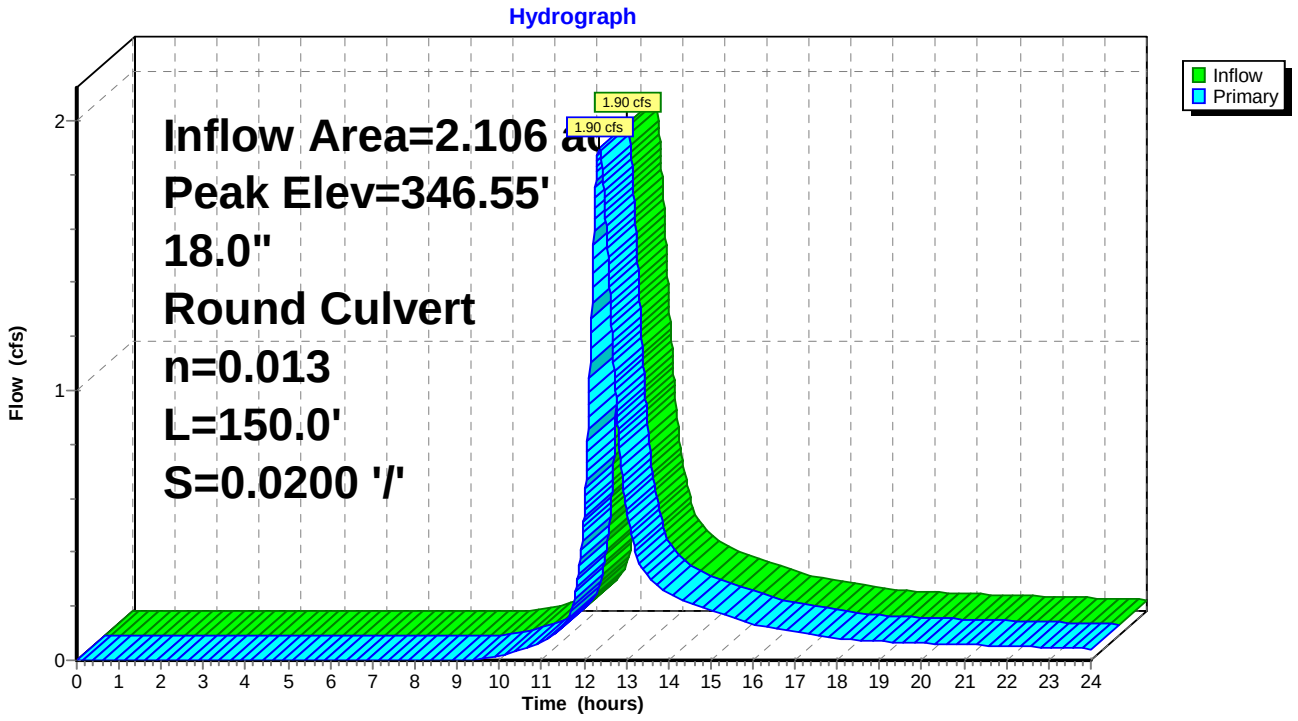
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.28" for 1-Year event
Inflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af
Outflow = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af, Atten= 0%, Lag= 0.0 min
Primary = 1.90 cfs @ 12.37 hrs, Volume= 0.225 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.55' @ 12.37 hrs
Flood Elev= 348.80'

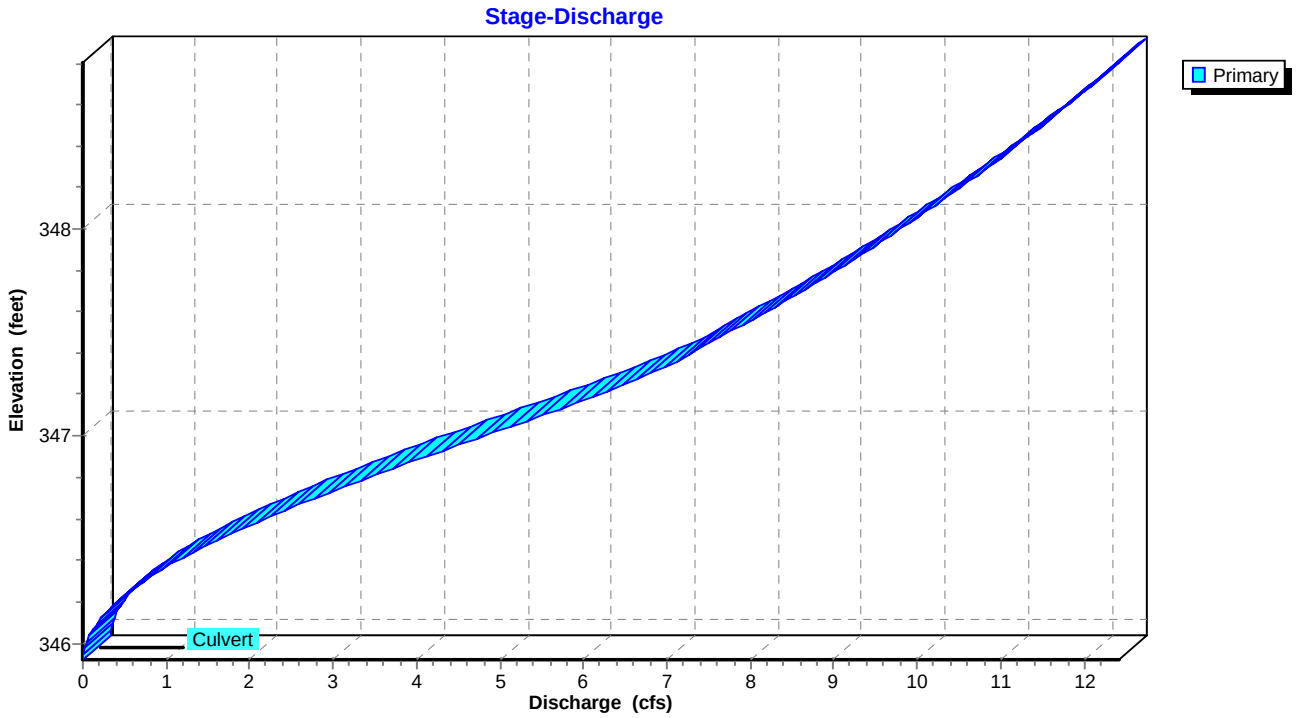
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=1.90 cfs @ 12.37 hrs HW=346.55' TW=343.54' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.90 cfs @ 2.70 fps)

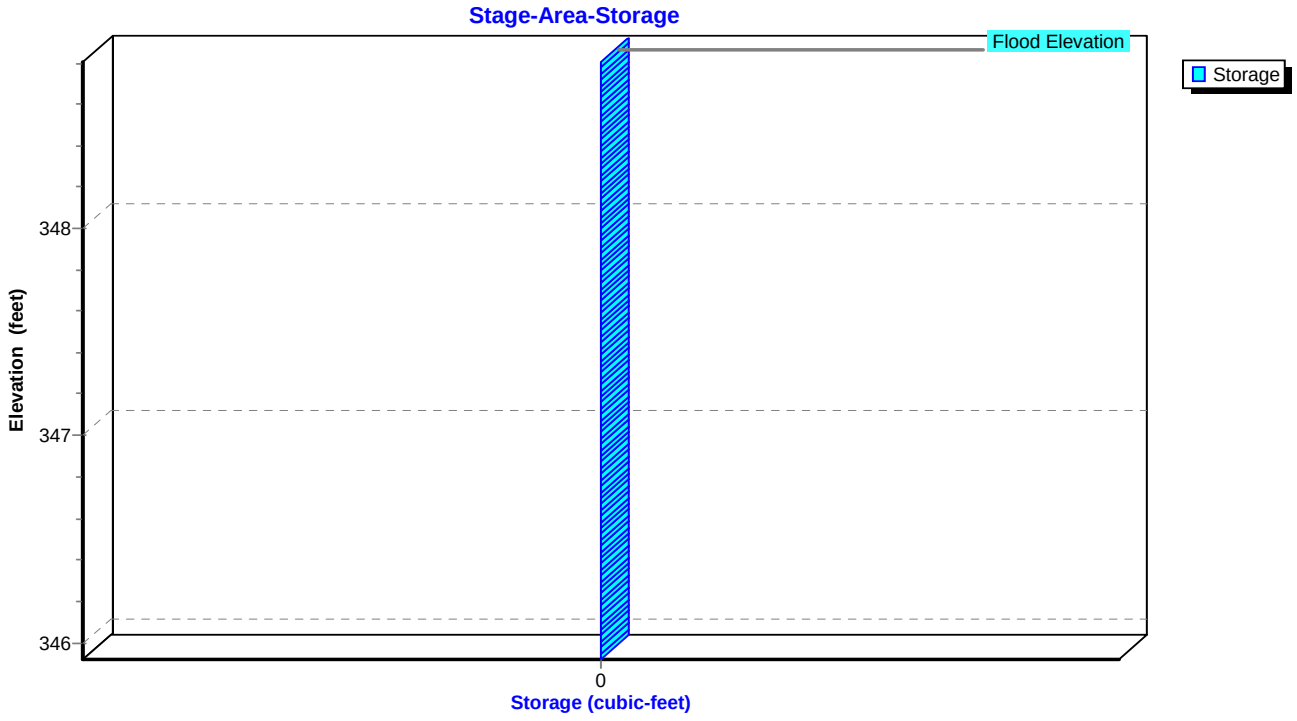
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.00	345.92	0.00
6.00	0.00	345.92	0.00
6.50	0.00	345.92	0.00
7.00	0.00	345.92	0.00
7.50	0.00	345.92	0.00
8.00	0.00	345.92	0.00
8.50	0.00	345.92	0.00
9.00	0.00	345.92	0.00
9.50	0.00	345.94	0.00
10.00	0.02	345.98	0.02
10.50	0.04	346.00	0.04
11.00	0.07	346.03	0.07
11.50	0.13	346.07	0.13
12.00	**0.53**	**346.24**	**0.53**
12.50	**1.69**	**346.51**	**1.69**
13.00	0.57	346.25	0.57
13.50	0.31	346.16	0.31
14.00	0.25	346.14	0.25
14.50	0.21	346.12	0.21
15.00	0.18	346.11	0.18
15.50	0.16	346.09	0.16
16.00	0.14	346.08	0.14
16.50	0.12	346.07	0.12
17.00	0.10	346.06	0.10
17.50	0.09	346.05	0.09
18.00	0.08	346.04	0.08
18.50	0.07	346.04	0.07
19.00	0.07	346.03	0.07
19.50	0.07	346.03	0.07
20.00	0.06	346.03	0.06
20.50	0.06	346.02	0.06
21.00	0.06	346.02	0.06
21.50	0.05	346.02	0.05
22.00	0.05	346.02	0.05
22.50	0.05	346.02	0.05
23.00	0.05	346.01	0.05
23.50	0.04	346.01	0.04
24.00	0.04	346.01	0.04

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

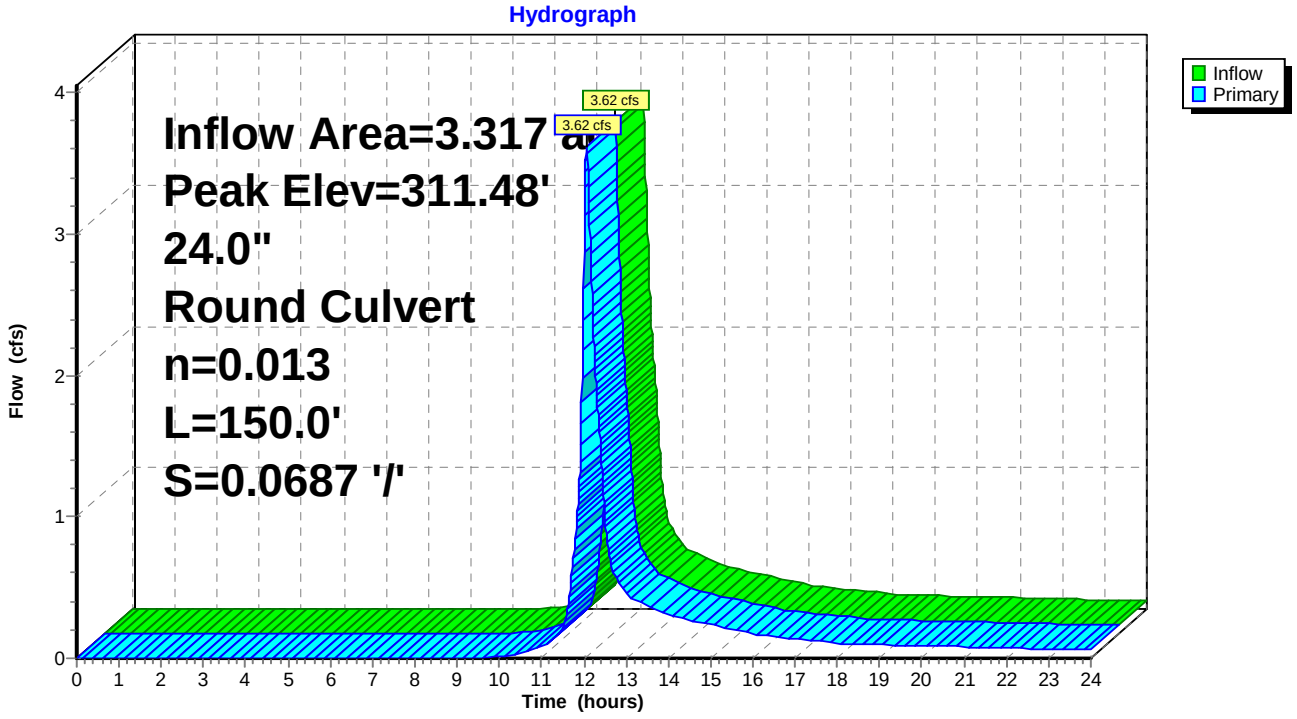
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 1.08" for 1-Year event
Inflow = 3.62 cfs @ 12.07 hrs, Volume= 0.299 af
Outflow = 3.62 cfs @ 12.07 hrs, Volume= 0.299 af, Atten= 0%, Lag= 0.0 min
Primary = 3.62 cfs @ 12.07 hrs, Volume= 0.299 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.48' @ 12.07 hrs
Flood Elev= 313.50'

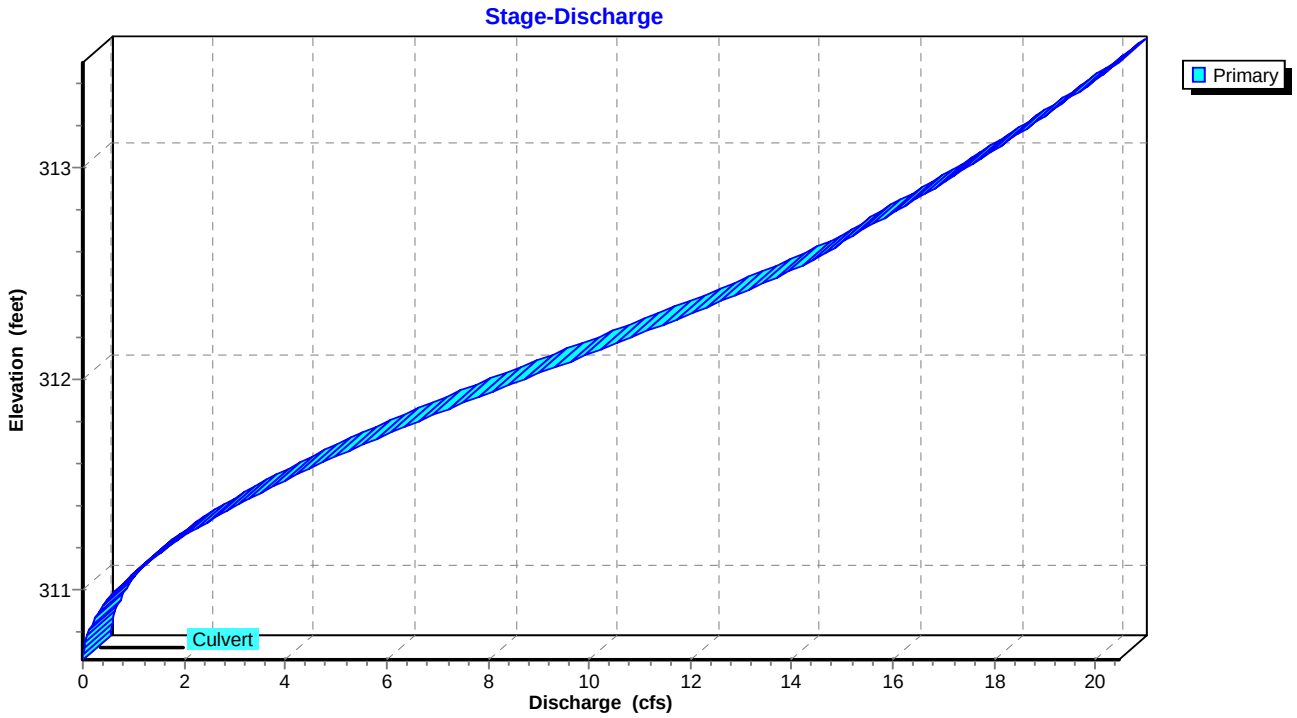
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.62 cfs @ 12.07 hrs HW=311.48' TW=300.87' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.62 cfs @ 3.06 fps)

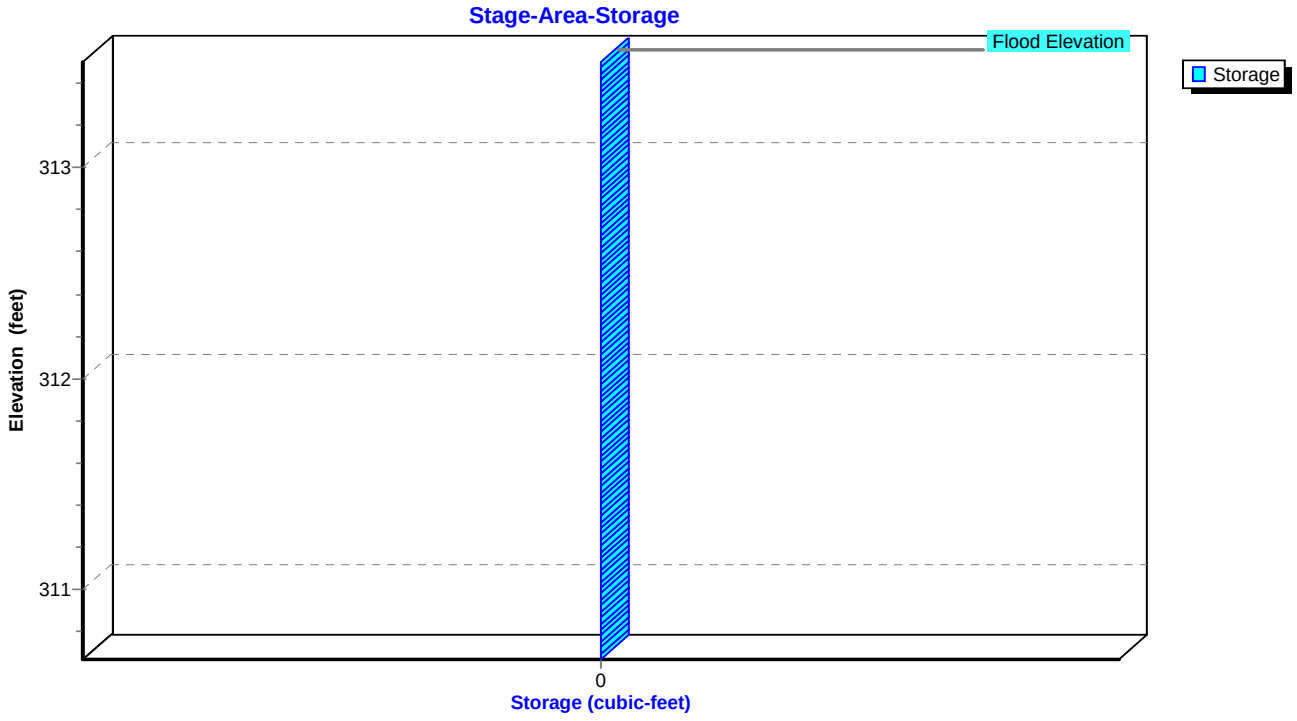
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.67	0.00
6.00	0.00	310.67	0.00
6.50	0.00	310.67	0.00
7.00	0.00	310.67	0.00
7.50	0.00	310.67	0.00
8.00	0.00	310.67	0.00
8.50	0.00	310.67	0.00
9.00	0.00	310.67	0.00
9.50	0.00	310.69	0.00
10.00	0.01	310.71	0.01
10.50	0.03	310.74	0.03
11.00	0.08	310.78	0.08
11.50	0.21	310.85	0.21
12.00	**2.88**	**311.38**	**2.88**
12.50	**1.02**	**311.08**	**1.02**
13.00	0.46	310.94	0.46
13.50	0.37	310.92	0.37
14.00	0.31	310.89	0.31
14.50	0.27	310.88	0.27
15.00	0.24	310.87	0.24
15.50	0.21	310.85	0.21
16.00	0.17	310.84	0.17
16.50	0.15	310.83	0.15
17.00	0.14	310.82	0.14
17.50	0.12	310.81	0.12
18.00	0.11	310.80	0.11
18.50	0.10	310.80	0.10
19.00	0.10	310.79	0.10
19.50	0.09	310.79	0.09
20.00	0.09	310.79	0.09
20.50	0.08	310.78	0.08
21.00	0.08	310.78	0.08
21.50	0.08	310.78	0.08
22.00	0.07	310.78	0.07
22.50	0.07	310.77	0.07
23.00	0.07	310.77	0.07
23.50	0.06	310.77	0.06
24.00	0.06	310.77	0.06

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

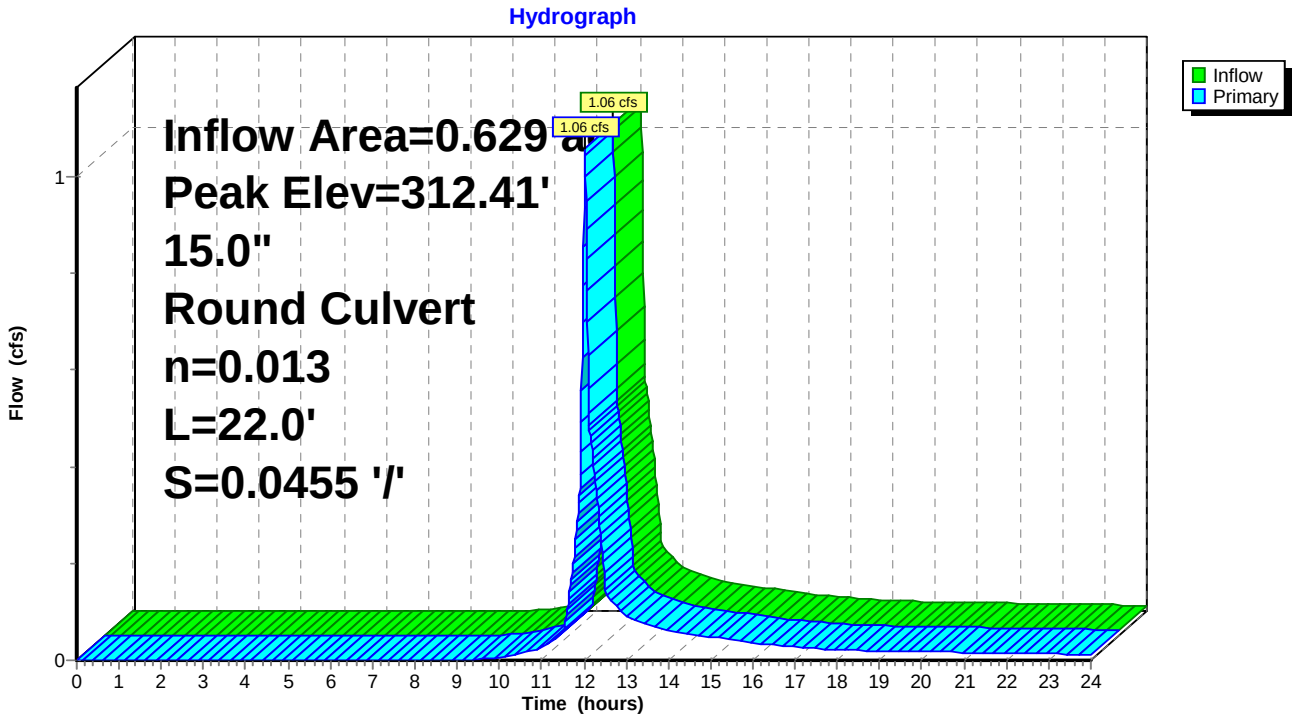
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af
Outflow = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.02 hrs, Volume= 0.064 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.41' @ 12.02 hrs
Flood Elev= 314.50'

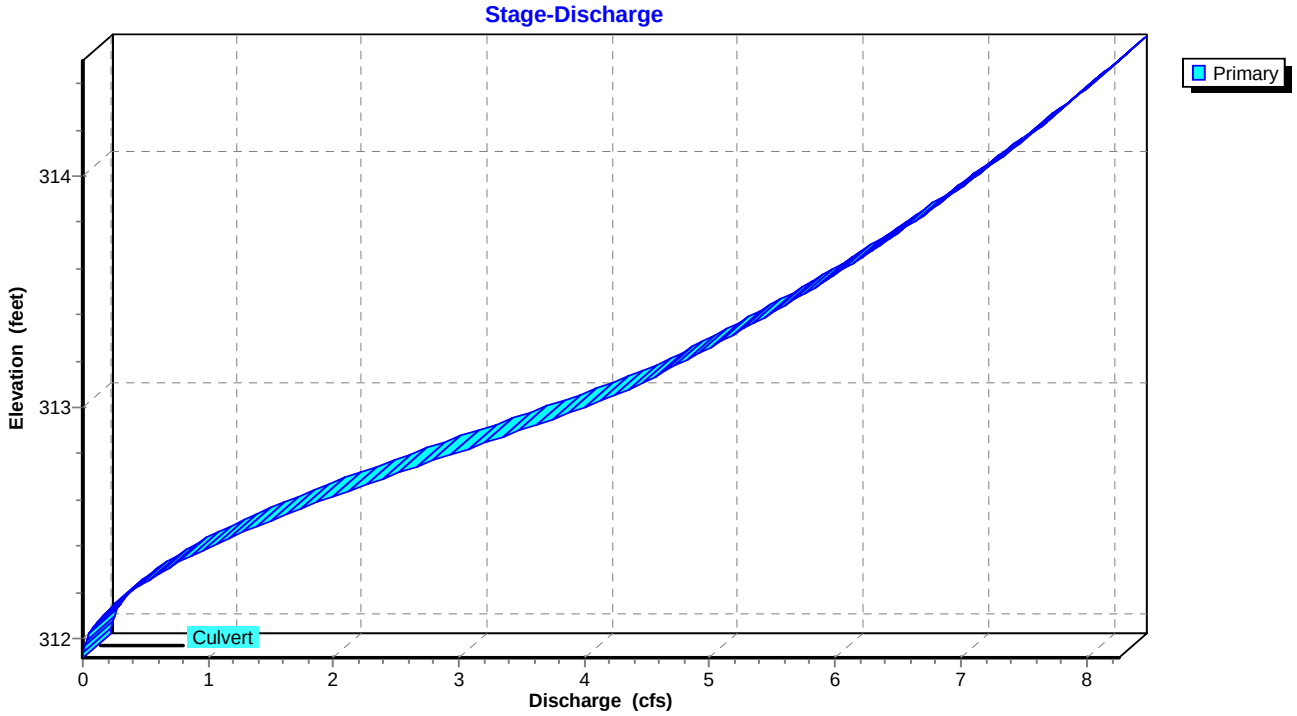
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.05 cfs @ 12.02 hrs HW=312.41' TW=311.44' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.05 cfs @ 2.38 fps)

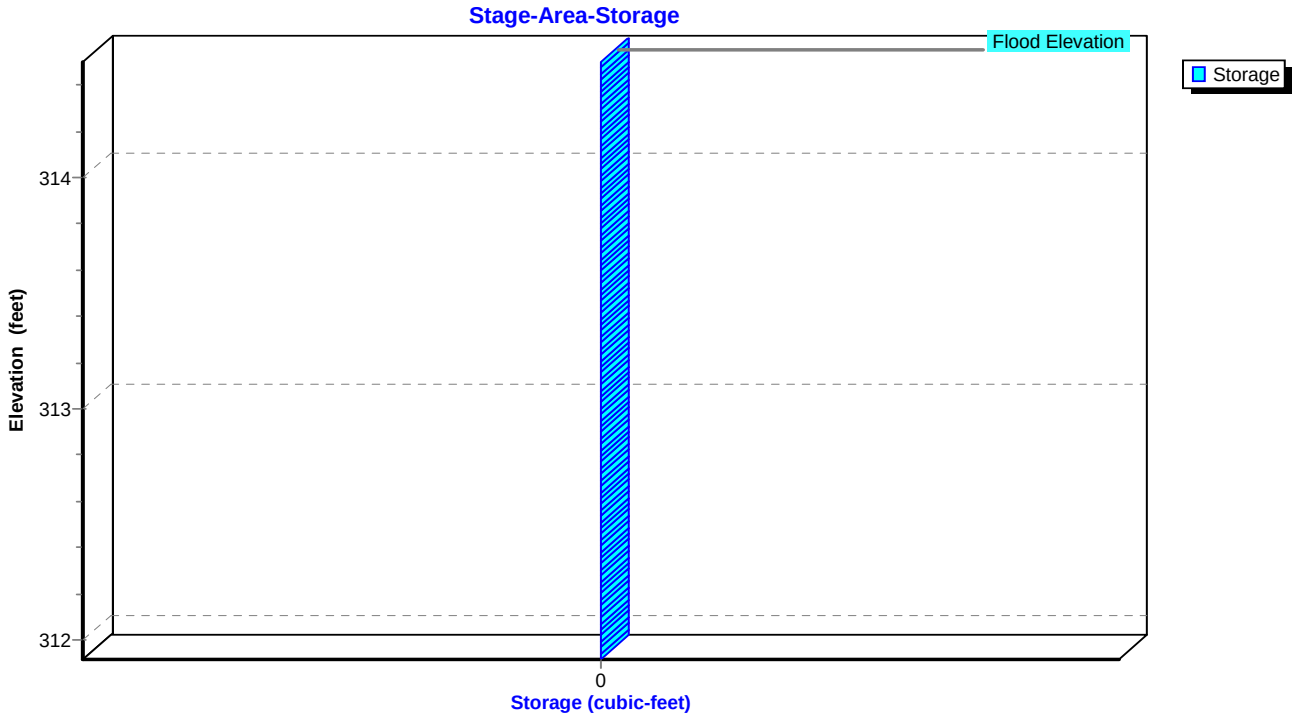
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.92	0.00
9.00	0.00	311.92	0.00
9.50	0.00	311.94	0.00
10.00	0.01	311.96	0.01
10.50	0.01	311.97	0.01
11.00	0.03	311.99	0.03
11.50	0.06	312.03	0.06
12.00	**0.94**	**312.38**	**0.94**
12.50	**0.16**	**312.10**	**0.16**
13.00	0.09	312.06	0.09
13.50	0.08	312.04	0.08
14.00	0.06	312.03	0.06
14.50	0.05	312.03	0.05
15.00	0.05	312.02	0.05
15.50	0.04	312.01	0.04
16.00	0.03	312.00	0.03
16.50	0.03	312.00	0.03
17.00	0.03	311.99	0.03
17.50	0.02	311.99	0.02
18.00	0.02	311.99	0.02
18.50	0.02	311.98	0.02
19.00	0.02	311.98	0.02
19.50	0.02	311.98	0.02
20.00	0.02	311.98	0.02
20.50	0.02	311.98	0.02
21.00	0.02	311.98	0.02
21.50	0.02	311.98	0.02
22.00	0.01	311.97	0.01
22.50	0.01	311.97	0.01
23.00	0.01	311.97	0.01
23.50	0.01	311.97	0.01
24.00	0.01	311.97	0.01

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

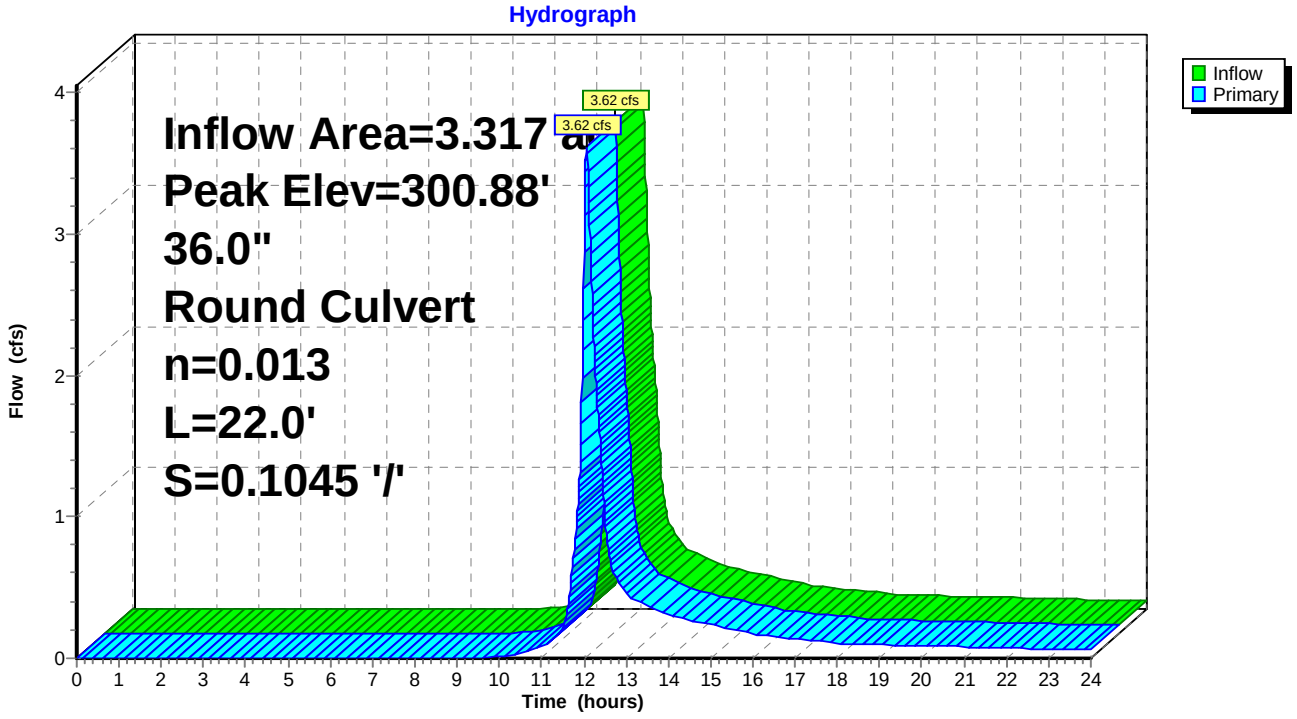
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 1.08" for 1-Year event
Inflow = 3.62 cfs @ 12.07 hrs, Volume= 0.299 af
Outflow = 3.62 cfs @ 12.07 hrs, Volume= 0.299 af, Atten= 0%, Lag= 0.0 min
Primary = 3.62 cfs @ 12.07 hrs, Volume= 0.299 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.88' @ 12.07 hrs
Flood Elev= 302.00'

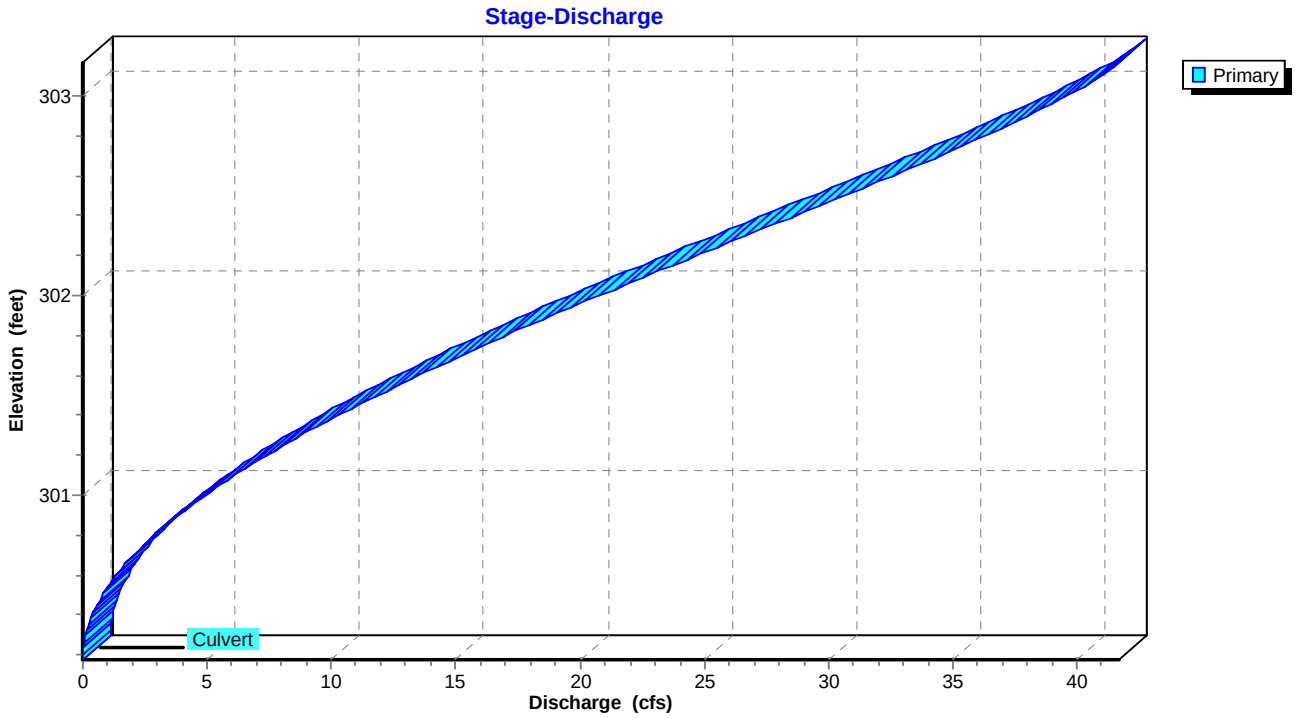
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=3.62 cfs @ 12.07 hrs HW=300.87' TW=299.93' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.62 cfs @ 2.86 fps)

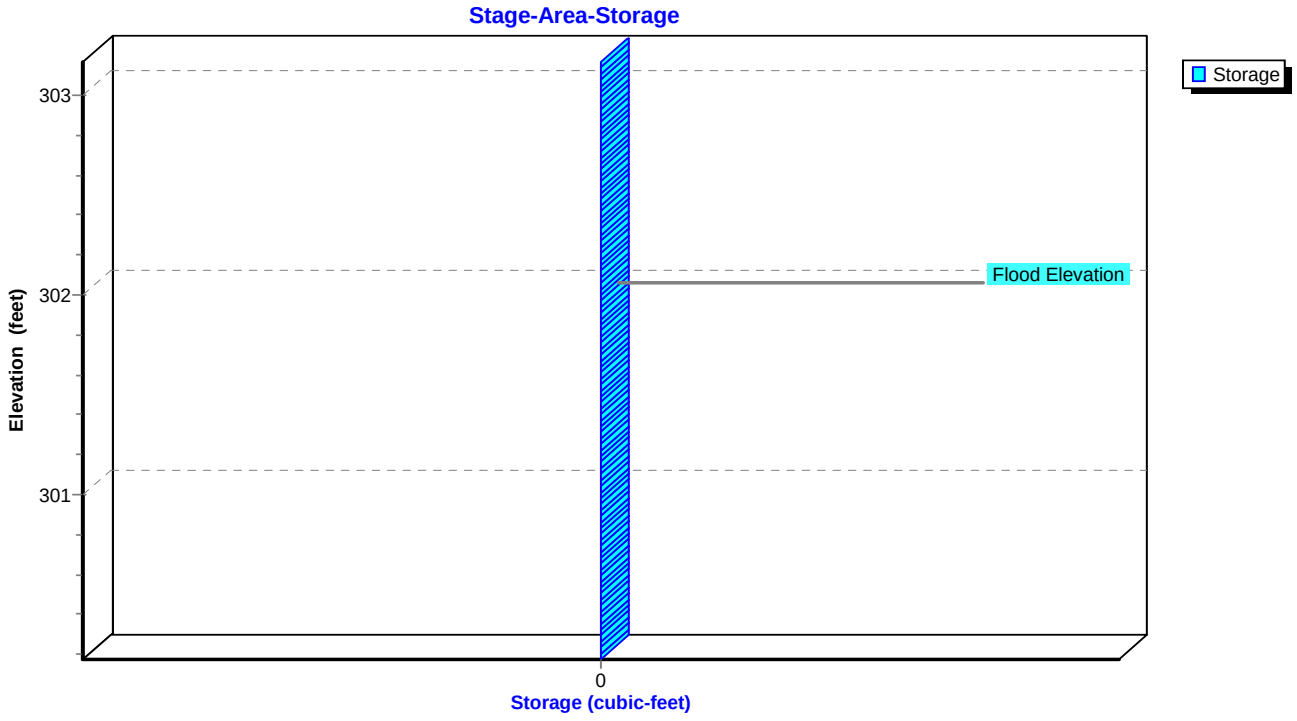
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.17	0.00
6.00	0.00	300.17	0.00
6.50	0.00	300.17	0.00
7.00	0.00	300.17	0.00
7.50	0.00	300.17	0.00
8.00	0.00	300.17	0.00
8.50	0.00	300.17	0.00
9.00	0.00	300.17	0.00
9.50	0.00	300.18	0.00
10.00	0.01	300.21	0.01
10.50	0.03	300.24	0.03
11.00	0.08	300.27	0.08
11.50	0.21	300.33	0.21
12.00	**2.88**	**300.80**	**2.88**
12.50	**1.02**	**300.54**	**1.02**
13.00	0.46	300.42	0.46
13.50	0.37	300.39	0.37
14.00	0.31	300.37	0.31
14.50	0.27	300.36	0.27
15.00	0.24	300.35	0.24
15.50	0.21	300.33	0.21
16.00	0.17	300.32	0.17
16.50	0.15	300.31	0.15
17.00	0.14	300.30	0.14
17.50	0.12	300.30	0.12
18.00	0.11	300.29	0.11
18.50	0.10	300.28	0.10
19.00	0.10	300.28	0.10
19.50	0.09	300.28	0.09
20.00	0.09	300.28	0.09
20.50	0.08	300.27	0.08
21.00	0.08	300.27	0.08
21.50	0.08	300.27	0.08
22.00	0.07	300.27	0.07
22.50	0.07	300.26	0.07
23.00	0.07	300.26	0.07
23.50	0.06	300.26	0.06
24.00	0.06	300.26	0.06

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

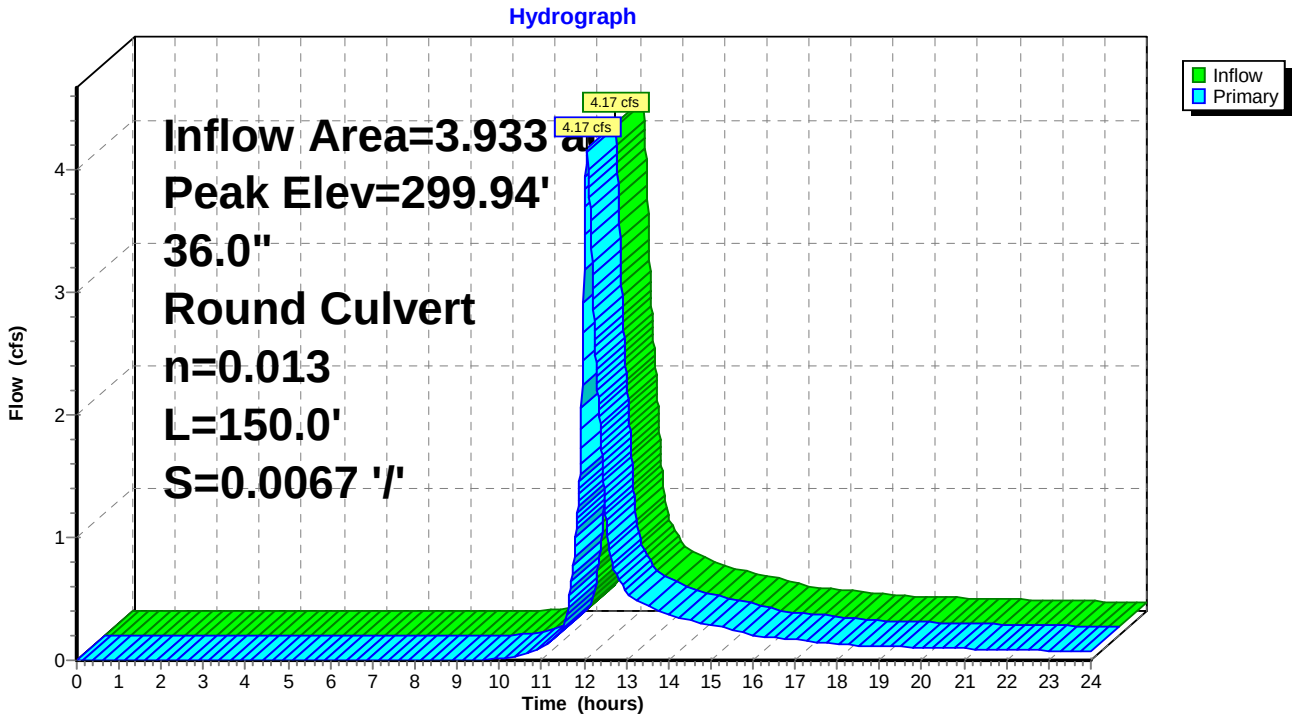
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 1.09" for 1-Year event
Inflow = 4.17 cfs @ 12.08 hrs, Volume= 0.358 af
Outflow = 4.17 cfs @ 12.08 hrs, Volume= 0.358 af, Atten= 0%, Lag= 0.0 min
Primary = 4.17 cfs @ 12.08 hrs, Volume= 0.358 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.94' @ 12.08 hrs
Flood Elev= 304.80'

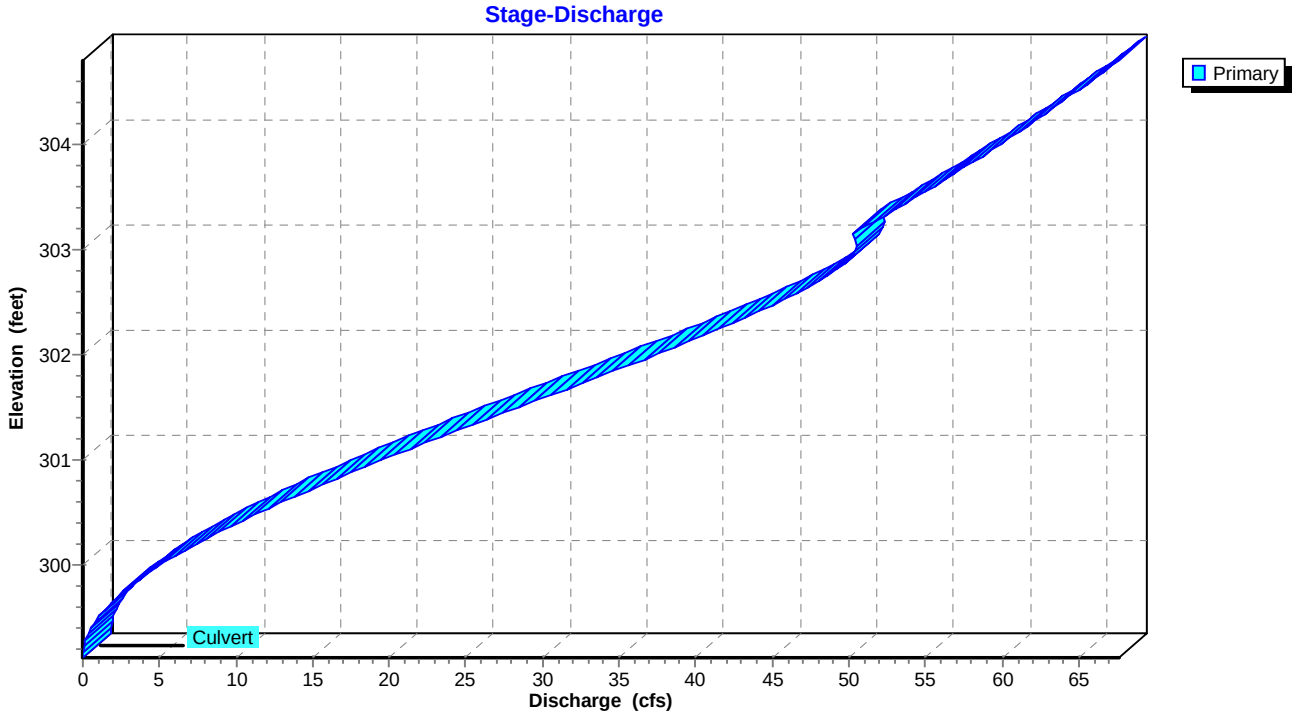
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=4.16 cfs @ 12.08 hrs HW=299.94' TW=298.87' (Dynamic Tailwater)
1=Culvert (Outlet Controls 4.16 cfs @ 4.00 fps)

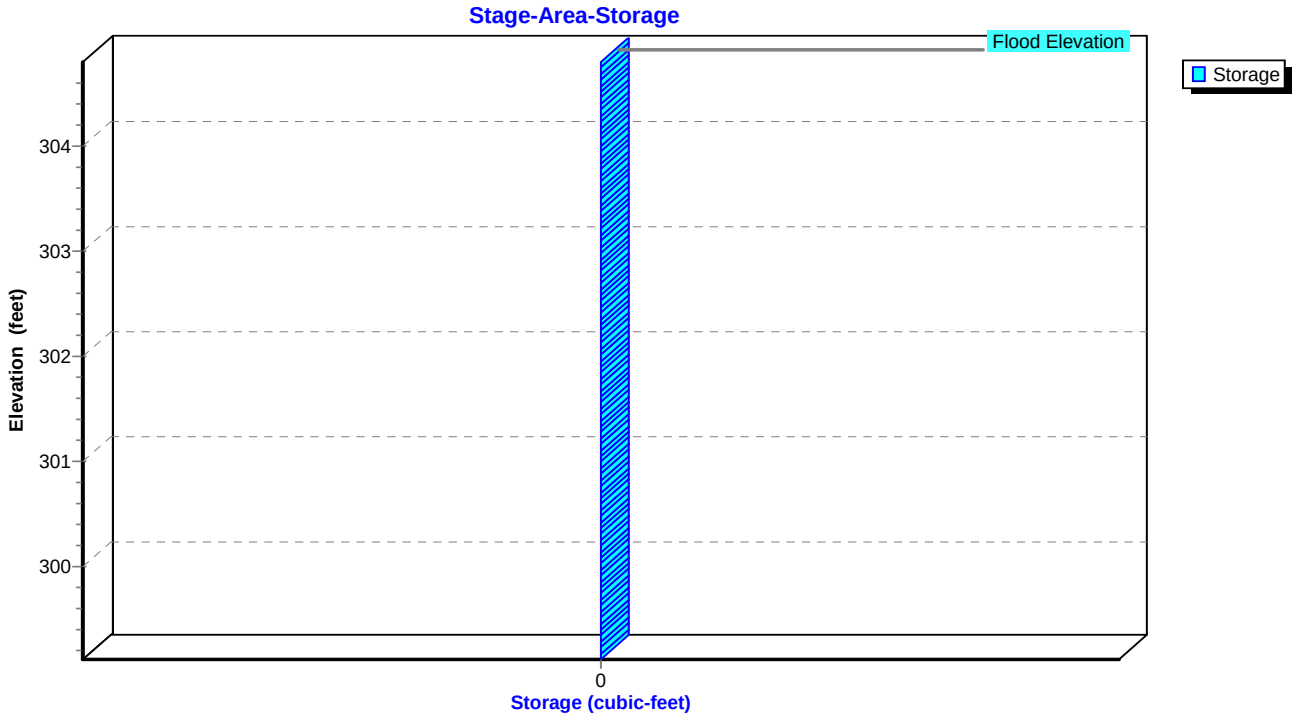
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.12	0.00
6.00	0.00	299.12	0.00
6.50	0.00	299.12	0.00
7.00	0.00	299.12	0.00
7.50	0.00	299.12	0.00
8.00	0.00	299.12	0.00
8.50	0.00	299.12	0.00
9.00	0.00	299.12	0.00
9.50	0.00	299.14	0.00
10.00	0.01	299.17	0.01
10.50	0.04	299.21	0.04
11.00	0.10	299.25	0.10
11.50	0.25	299.32	0.25
12.00	**3.18**	**299.82**	**3.18**
12.50	**1.29**	**299.56**	**1.29**
13.00	0.56	299.41	0.56
13.50	0.45	299.38	0.45
14.00	0.37	299.36	0.37
14.50	0.33	299.34	0.33
15.00	0.29	299.33	0.29
15.50	0.25	299.32	0.25
16.00	0.21	299.30	0.21
16.50	0.18	299.29	0.18
17.00	0.17	299.28	0.17
17.50	0.15	299.27	0.15
18.00	0.13	299.26	0.13
18.50	0.12	299.26	0.12
19.00	0.11	299.26	0.11
19.50	0.11	299.25	0.11
20.00	0.10	299.25	0.10
20.50	0.10	299.25	0.10
21.00	0.10	299.25	0.10
21.50	0.09	299.24	0.09
22.00	0.09	299.24	0.09
22.50	0.08	299.24	0.08
23.00	0.08	299.23	0.08
23.50	0.07	299.23	0.07
24.00	0.07	299.23	0.07

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

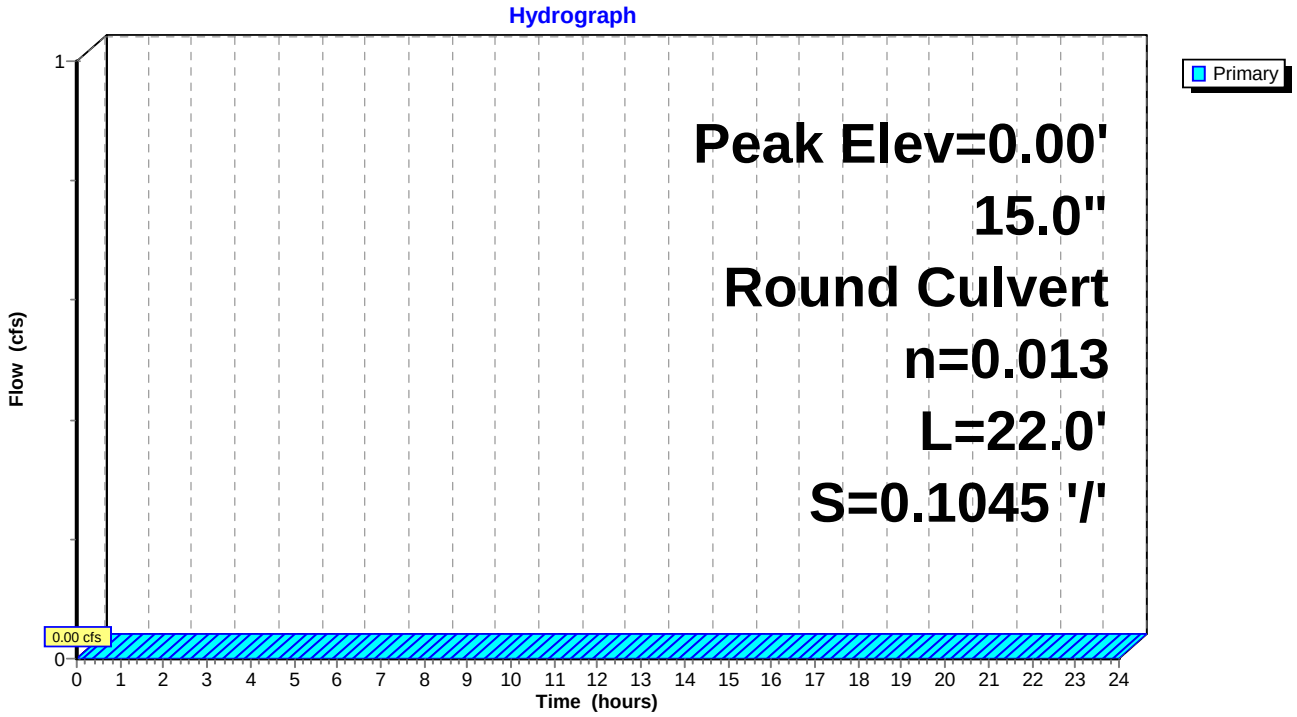
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

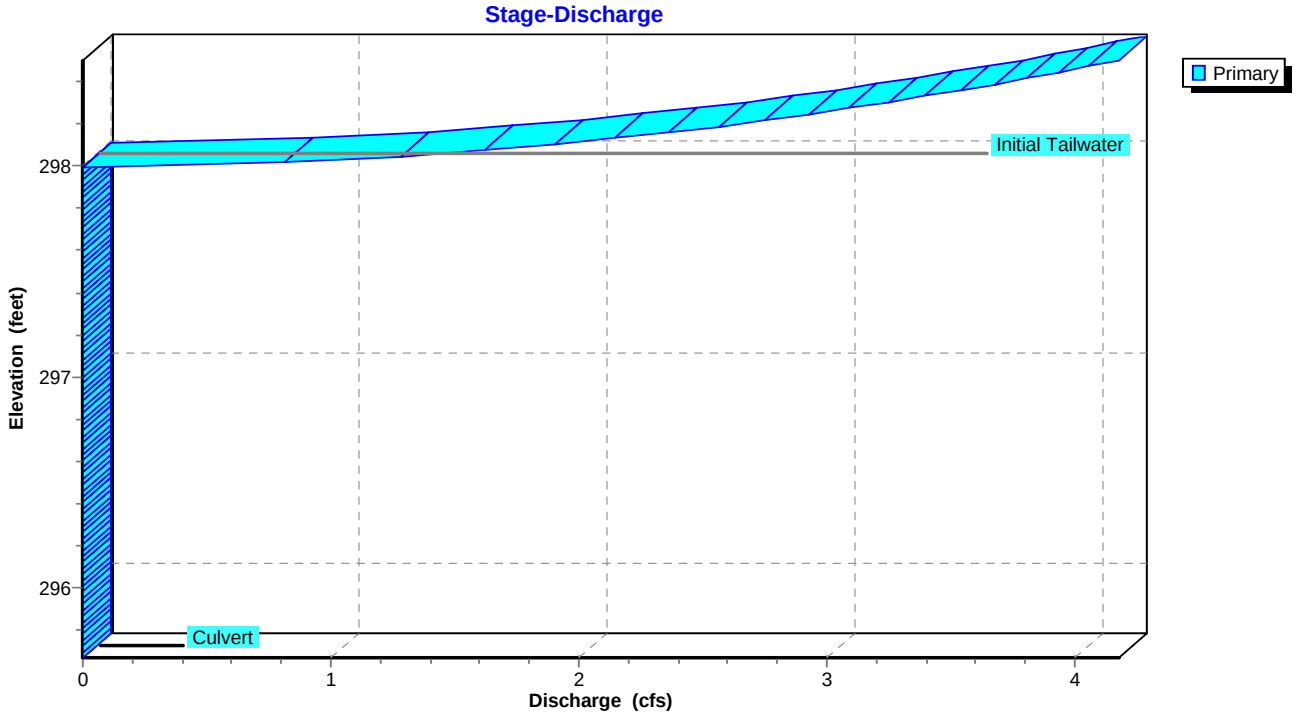
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

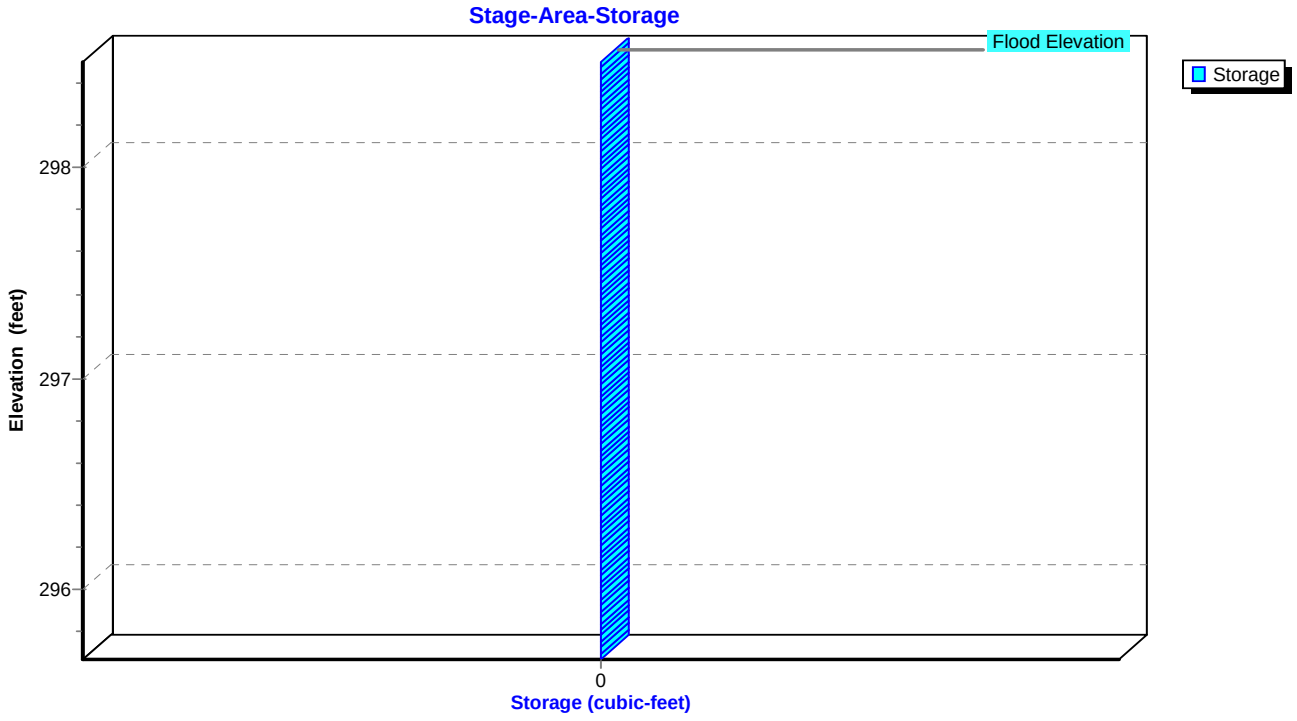
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

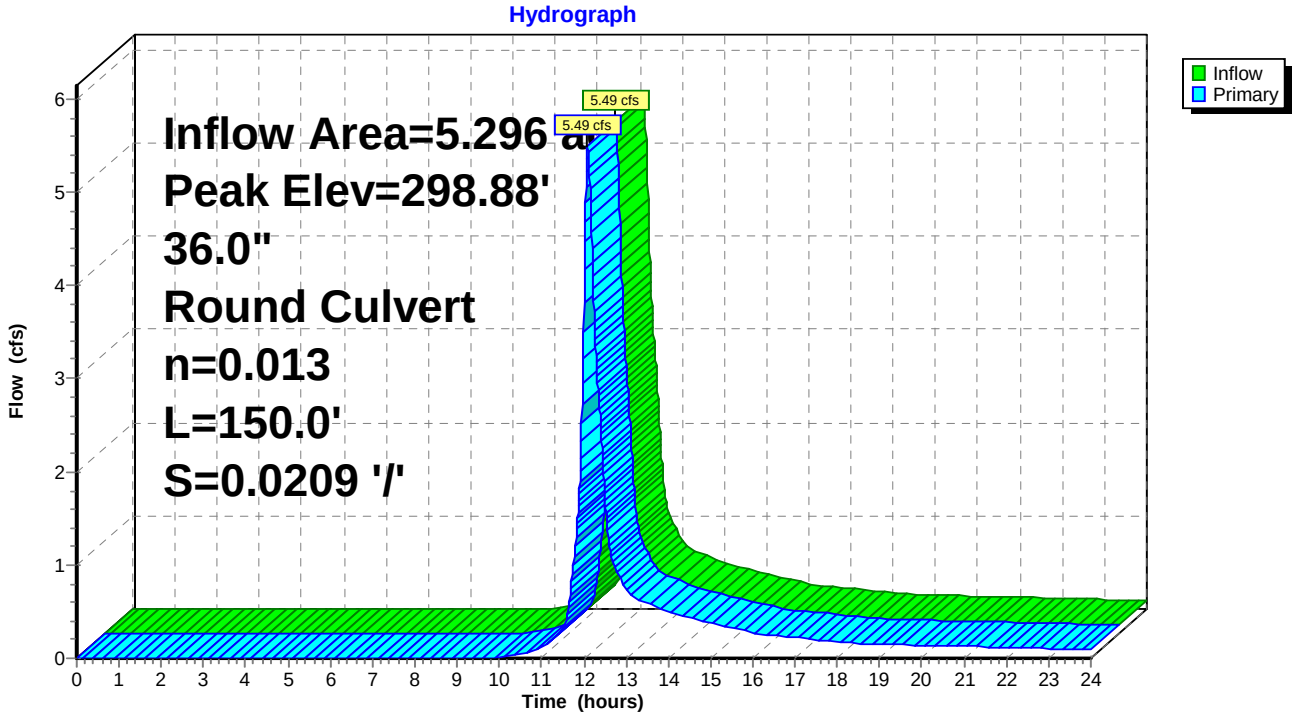
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 1.07" for 1-Year event
Inflow = 5.49 cfs @ 12.09 hrs, Volume= 0.470 af
Outflow = 5.49 cfs @ 12.09 hrs, Volume= 0.470 af, Atten= 0%, Lag= 0.0 min
Primary = 5.49 cfs @ 12.09 hrs, Volume= 0.470 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 298.88' @ 12.09 hrs
Flood Elev= 302.30'

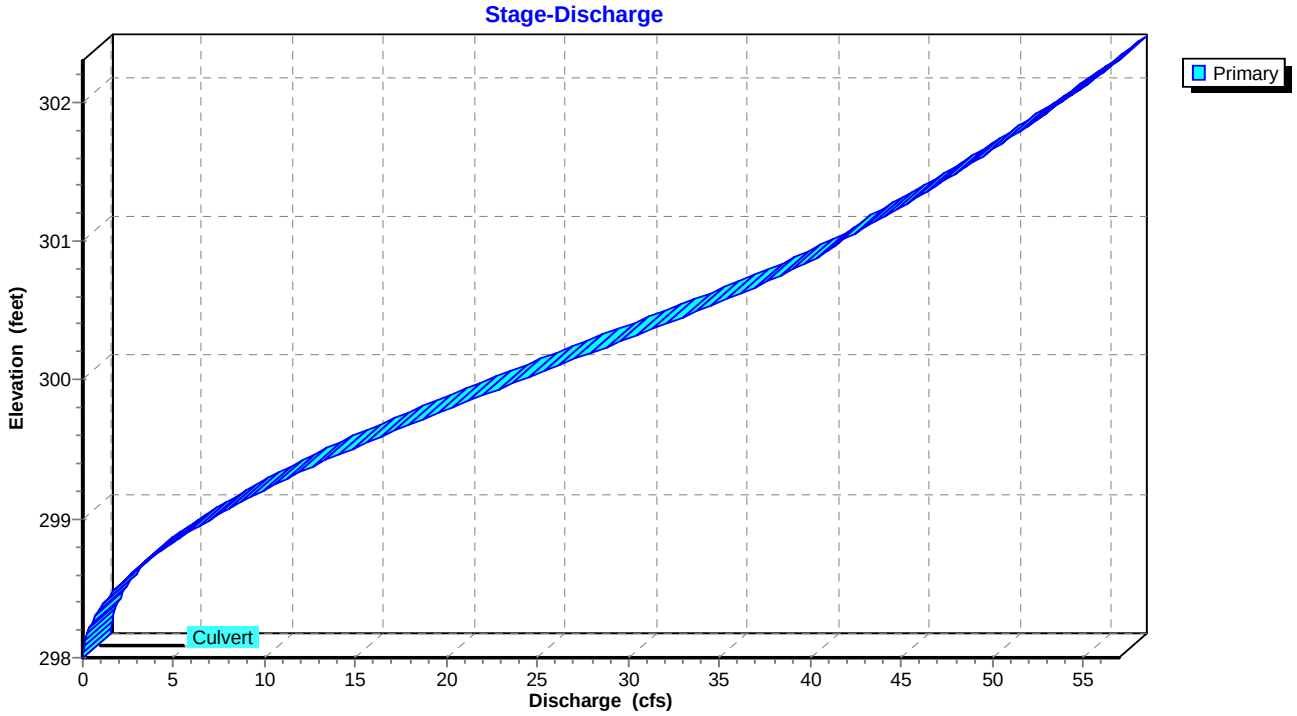
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=5.48 cfs @ 12.09 hrs HW=298.88' TW=295.60' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.48 cfs @ 3.19 fps)

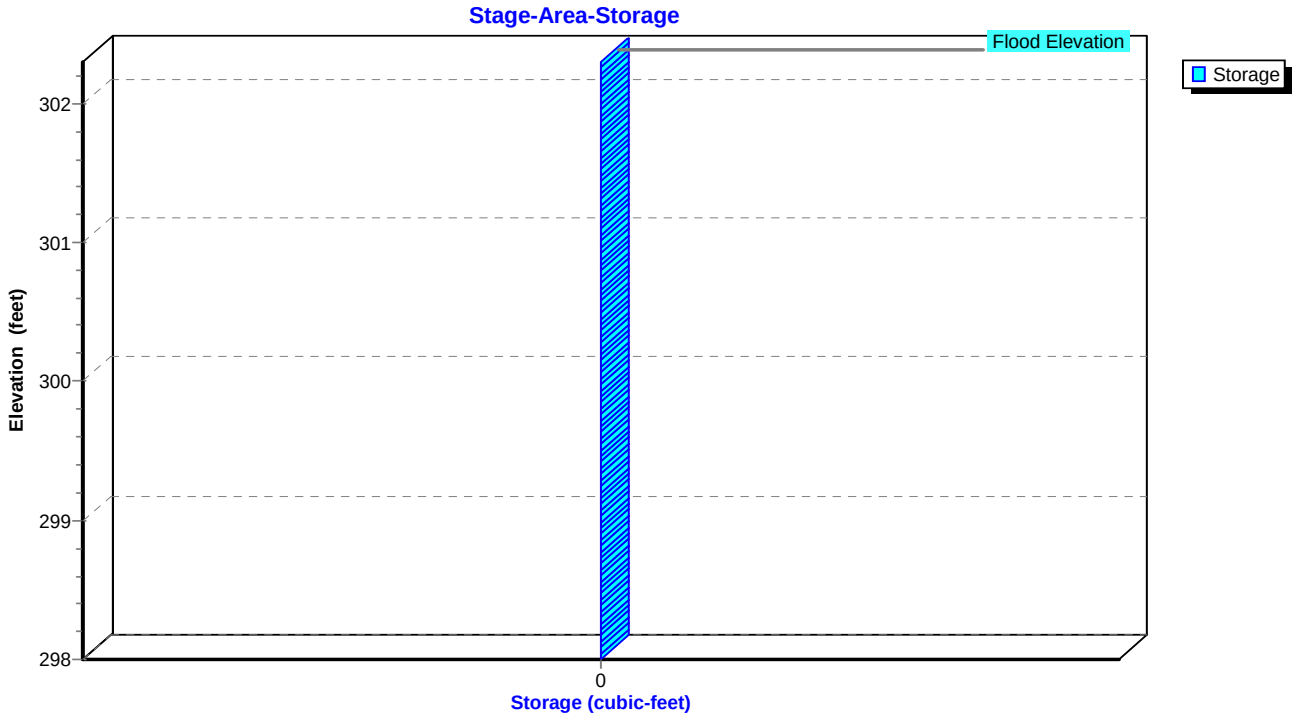
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.00	0.00
6.00	0.00	298.00	0.00
6.50	0.00	298.00	0.00
7.00	0.00	298.00	0.00
7.50	0.00	298.00	0.00
8.00	0.00	298.00	0.00
8.50	0.00	298.00	0.00
9.00	0.00	298.00	0.00
9.50	0.00	298.01	0.00
10.00	0.01	298.04	0.01
10.50	0.05	298.08	0.05
11.00	0.12	298.12	0.12
11.50	0.31	298.20	0.31
12.00	**3.82**	**298.73**	**3.82**
12.50	**1.76**	**298.49**	**1.76**
13.00	0.75	298.31	0.75
13.50	0.59	298.28	0.59
14.00	0.49	298.25	0.49
14.50	0.43	298.24	0.43
15.00	0.38	298.22	0.38
15.50	0.33	298.21	0.33
16.00	0.27	298.19	0.27
16.50	0.24	298.18	0.24
17.00	0.22	298.17	0.22
17.50	0.20	298.16	0.20
18.00	0.17	298.15	0.17
18.50	0.16	298.14	0.16
19.00	0.15	298.14	0.15
19.50	0.15	298.14	0.15
20.00	0.14	298.13	0.14
20.50	0.13	298.13	0.13
21.00	0.13	298.13	0.13
21.50	0.12	298.12	0.12
22.00	0.12	298.12	0.12
22.50	0.11	298.12	0.11
23.00	0.10	298.12	0.10
23.50	0.10	298.11	0.10
24.00	0.09	298.11	0.09

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

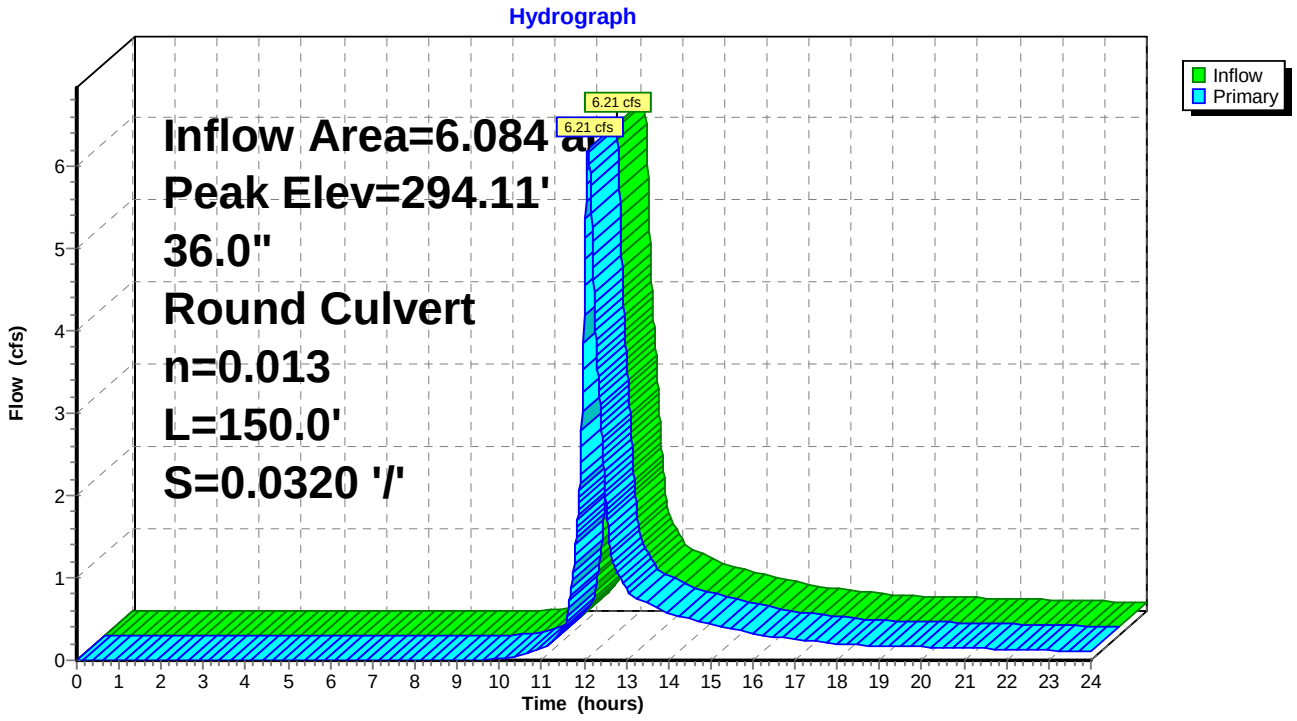
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 1.08" for 1-Year event
Inflow = 6.21 cfs @ 12.10 hrs, Volume= 0.546 af
Outflow = 6.21 cfs @ 12.10 hrs, Volume= 0.546 af, Atten= 0%, Lag= 0.0 min
Primary = 6.21 cfs @ 12.10 hrs, Volume= 0.546 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 294.11' @ 12.10 hrs
Flood Elev= 296.00'

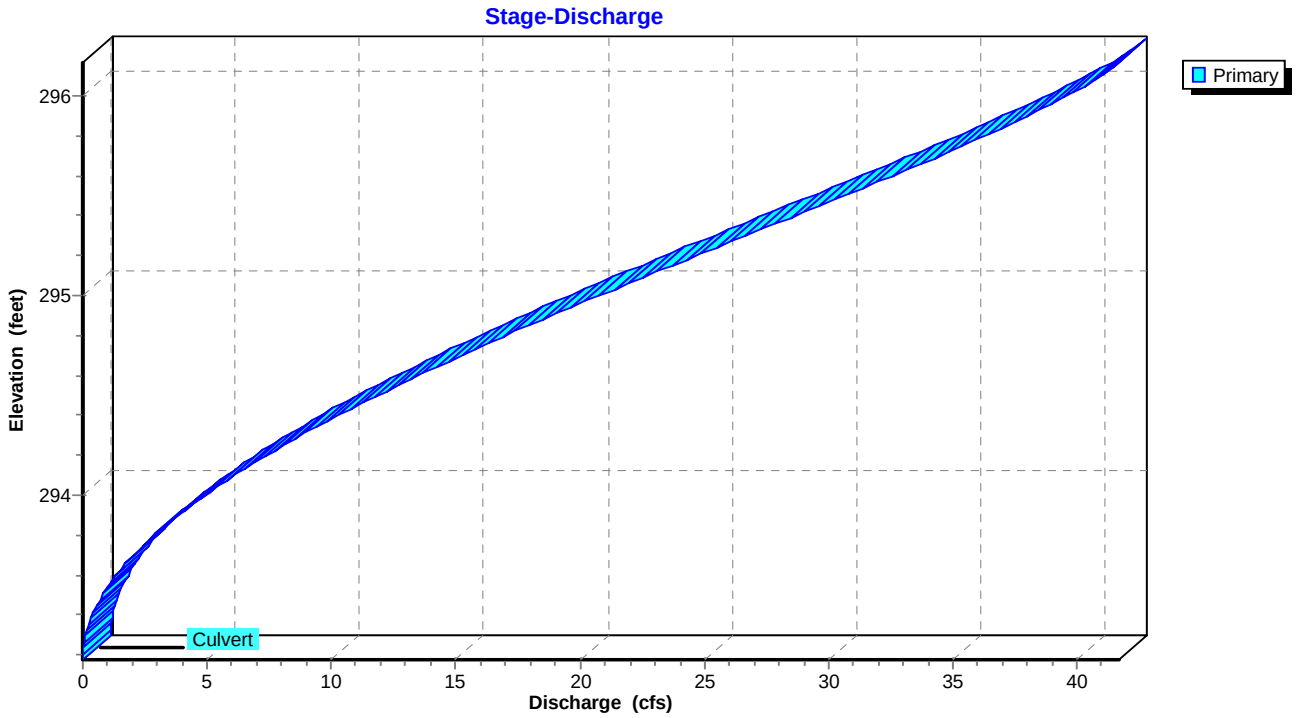
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.21 cfs @ 12.10 hrs HW=294.11' (Free Discharge)
└**1=Culvert** (Inlet Controls 6.21 cfs @ 3.30 fps)

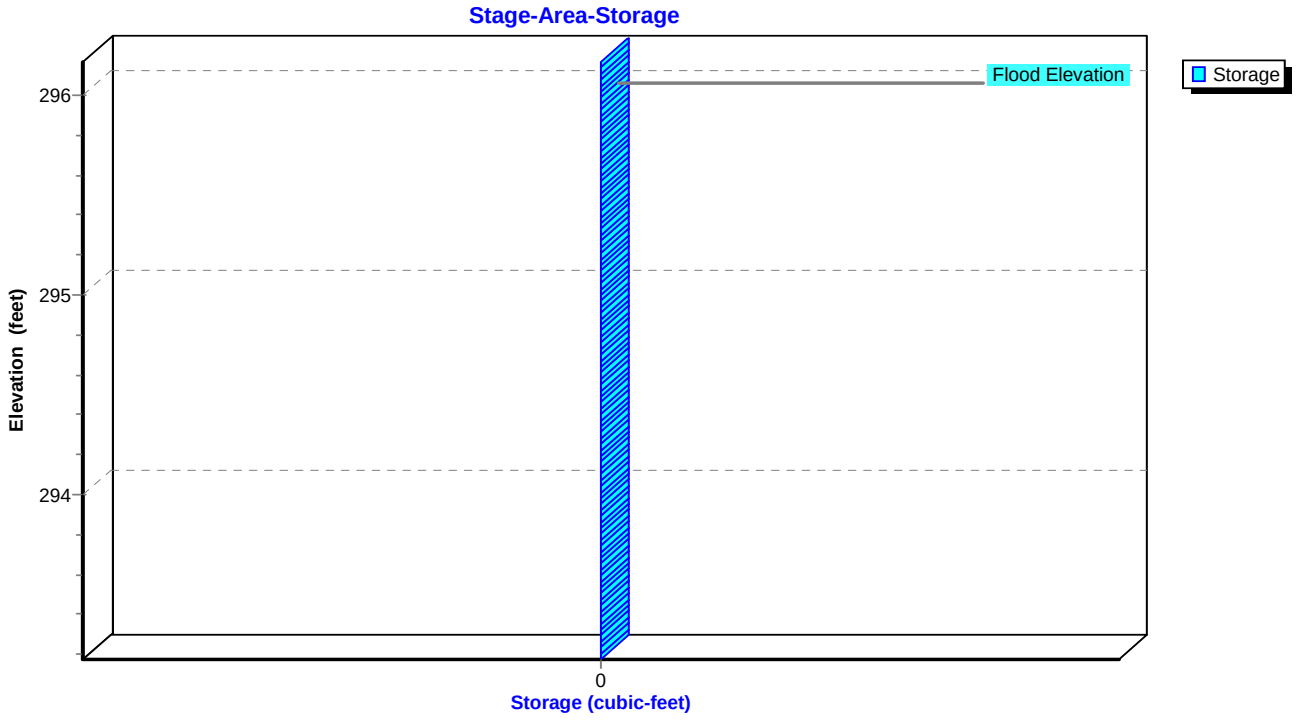
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.17	0.00
6.00	0.00	293.17	0.00
6.50	0.00	293.17	0.00
7.00	0.00	293.17	0.00
7.50	0.00	293.17	0.00
8.00	0.00	293.17	0.00
8.50	0.00	293.17	0.00
9.00	0.00	293.17	0.00
9.50	0.00	293.18	0.00
10.00	0.02	293.21	0.02
10.50	0.06	293.26	0.06
11.00	0.14	293.31	0.14
11.50	0.36	293.39	0.36
12.00	**4.19**	**293.93**	**4.19**
12.50	**2.13**	**293.71**	**2.13**
13.00	0.87	293.51	0.87
13.50	0.69	293.47	0.69
14.00	0.57	293.44	0.57
14.50	0.50	293.43	0.50
15.00	0.44	293.41	0.44
15.50	0.38	293.39	0.38
16.00	0.32	293.37	0.32
16.50	0.28	293.36	0.28
17.00	0.25	293.35	0.25
17.50	0.23	293.34	0.23
18.00	0.20	293.33	0.20
18.50	0.18	293.32	0.18
19.00	0.18	293.32	0.18
19.50	0.17	293.32	0.17
20.00	0.16	293.31	0.16
20.50	0.15	293.31	0.15
21.00	0.15	293.31	0.15
21.50	0.14	293.30	0.14
22.00	0.13	293.30	0.13
22.50	0.13	293.30	0.13
23.00	0.12	293.29	0.12
23.50	0.11	293.29	0.11
24.00	0.11	293.29	0.11

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

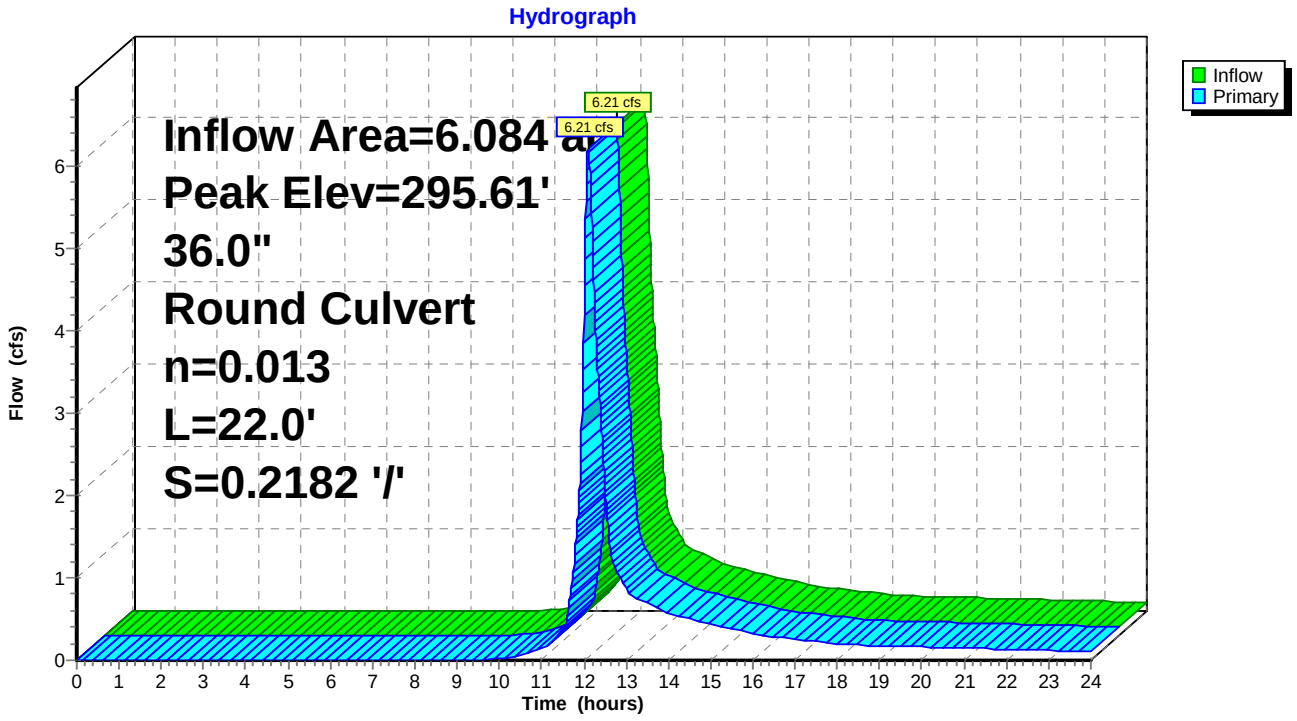
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 1.08" for 1-Year event
Inflow = 6.21 cfs @ 12.10 hrs, Volume= 0.546 af
Outflow = 6.21 cfs @ 12.10 hrs, Volume= 0.546 af, Atten= 0%, Lag= 0.0 min
Primary = 6.21 cfs @ 12.10 hrs, Volume= 0.546 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.61' @ 12.10 hrs
Flood Elev= 299.00'

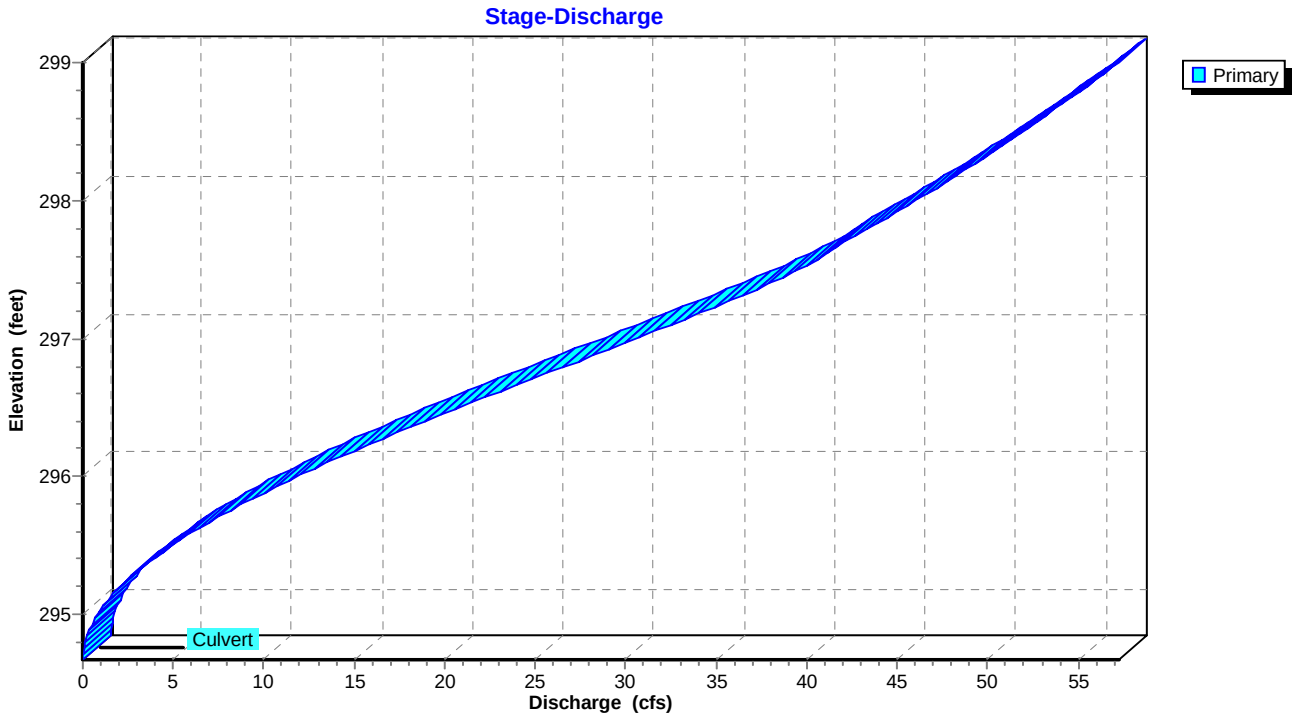
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.21 cfs @ 12.10 hrs HW=295.61' TW=294.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.21 cfs @ 3.30 fps)

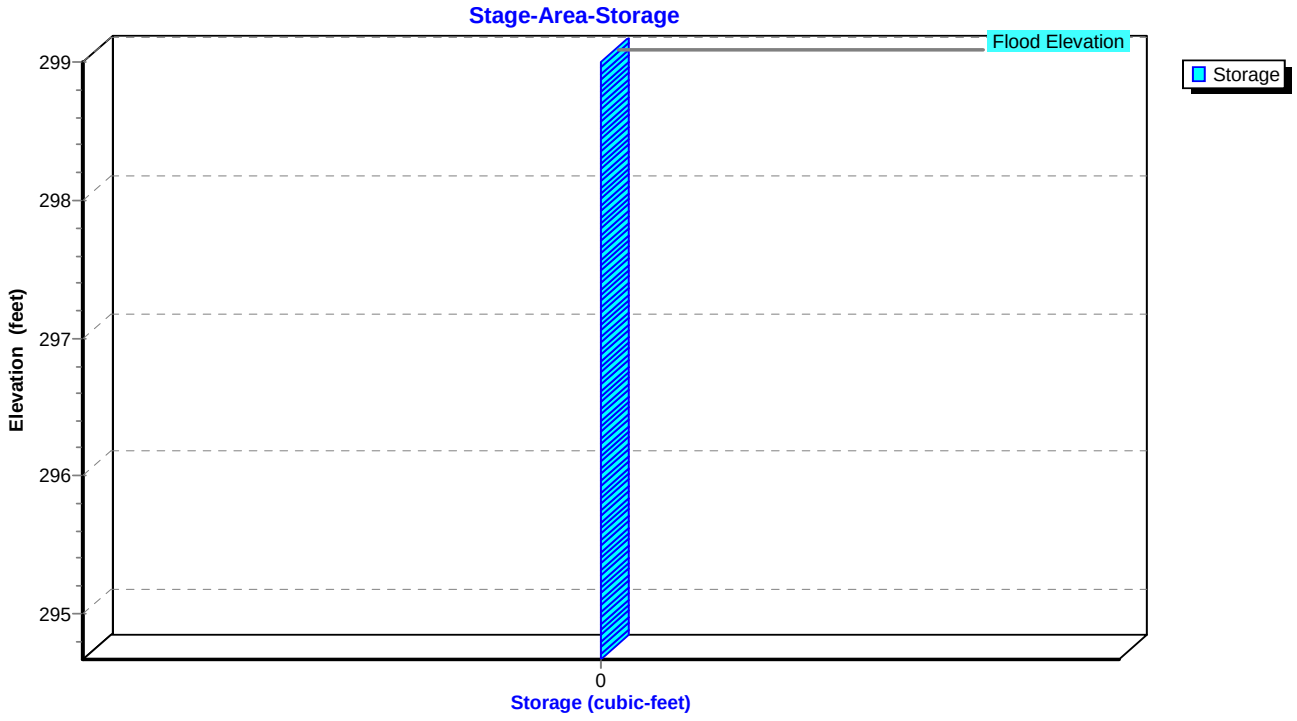
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.67	0.00
6.00	0.00	294.67	0.00
6.50	0.00	294.67	0.00
7.00	0.00	294.67	0.00
7.50	0.00	294.67	0.00
8.00	0.00	294.67	0.00
8.50	0.00	294.67	0.00
9.00	0.00	294.67	0.00
9.50	0.00	294.68	0.00
10.00	0.02	294.71	0.02
10.50	0.06	294.76	0.06
11.00	0.14	294.81	0.14
11.50	0.36	294.89	0.36
12.00	**4.19**	**295.43**	**4.19**
12.50	**2.13**	**295.21**	**2.13**
13.00	0.87	295.01	0.87
13.50	0.69	294.97	0.69
14.00	0.57	294.94	0.57
14.50	0.50	294.93	0.50
15.00	0.44	294.91	0.44
15.50	0.38	294.89	0.38
16.00	0.32	294.87	0.32
16.50	0.28	294.86	0.28
17.00	0.25	294.85	0.25
17.50	0.23	294.84	0.23
18.00	0.20	294.83	0.20
18.50	0.18	294.82	0.18
19.00	0.18	294.82	0.18
19.50	0.17	294.82	0.17
20.00	0.16	294.81	0.16
20.50	0.15	294.81	0.15
21.00	0.15	294.81	0.15
21.50	0.14	294.80	0.14
22.00	0.13	294.80	0.13
22.50	0.13	294.80	0.13
23.00	0.12	294.79	0.12
23.50	0.11	294.79	0.11
24.00	0.11	294.79	0.11

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

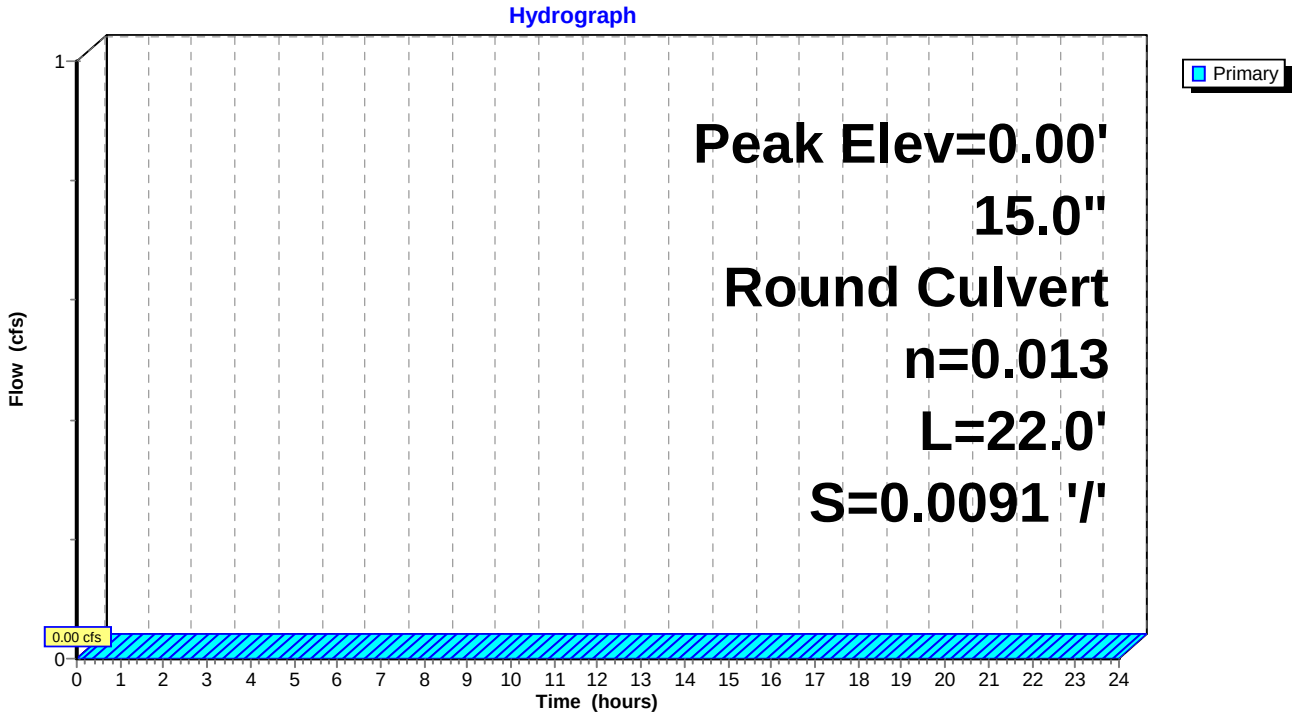
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

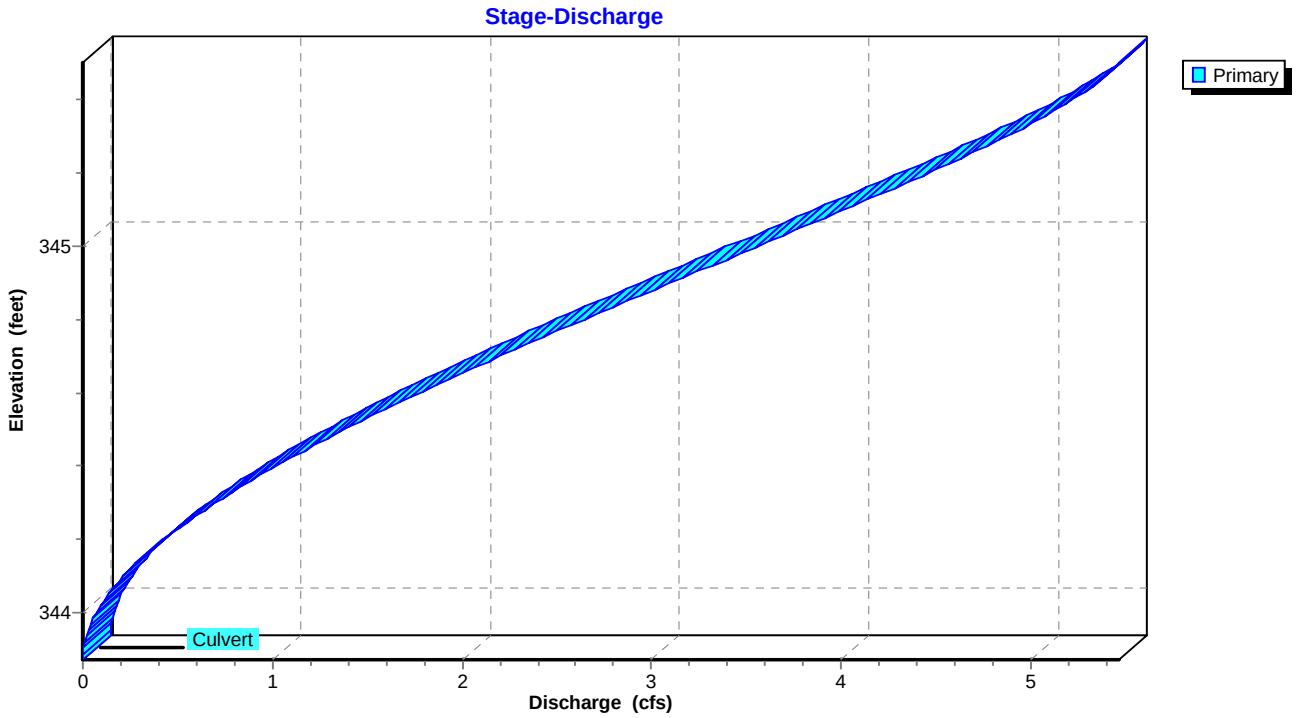
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

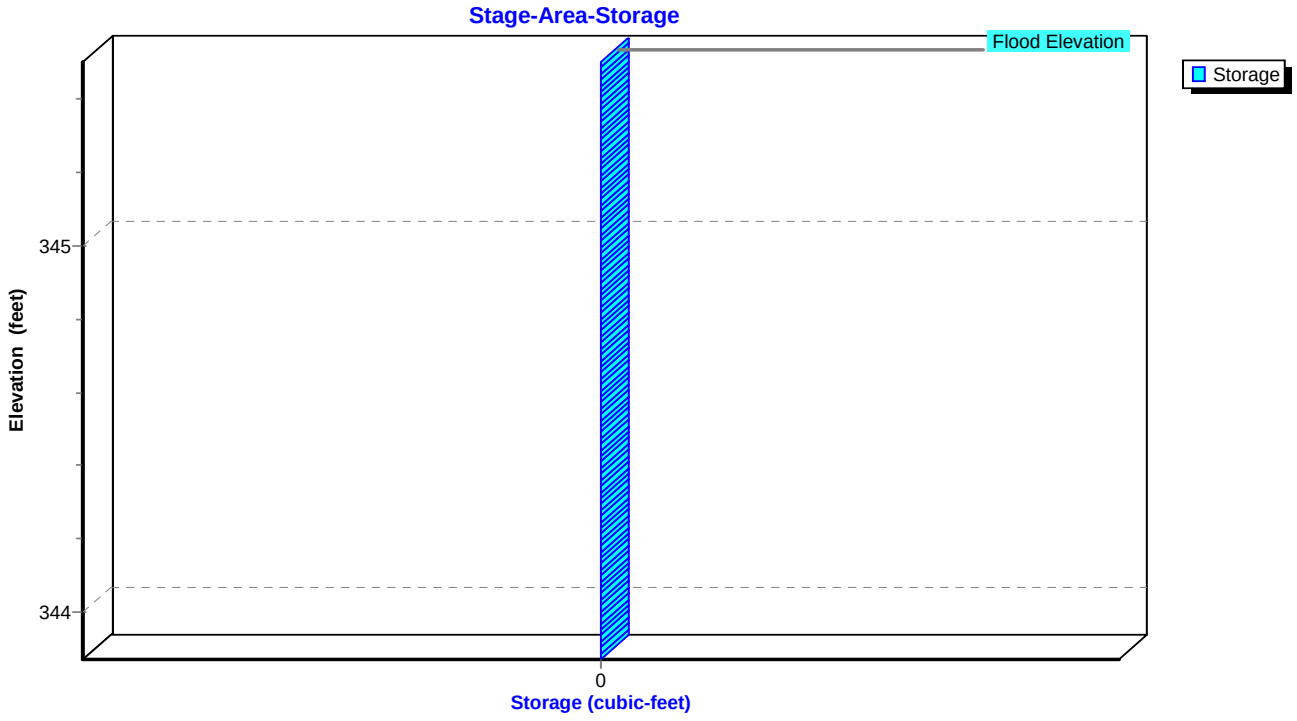
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

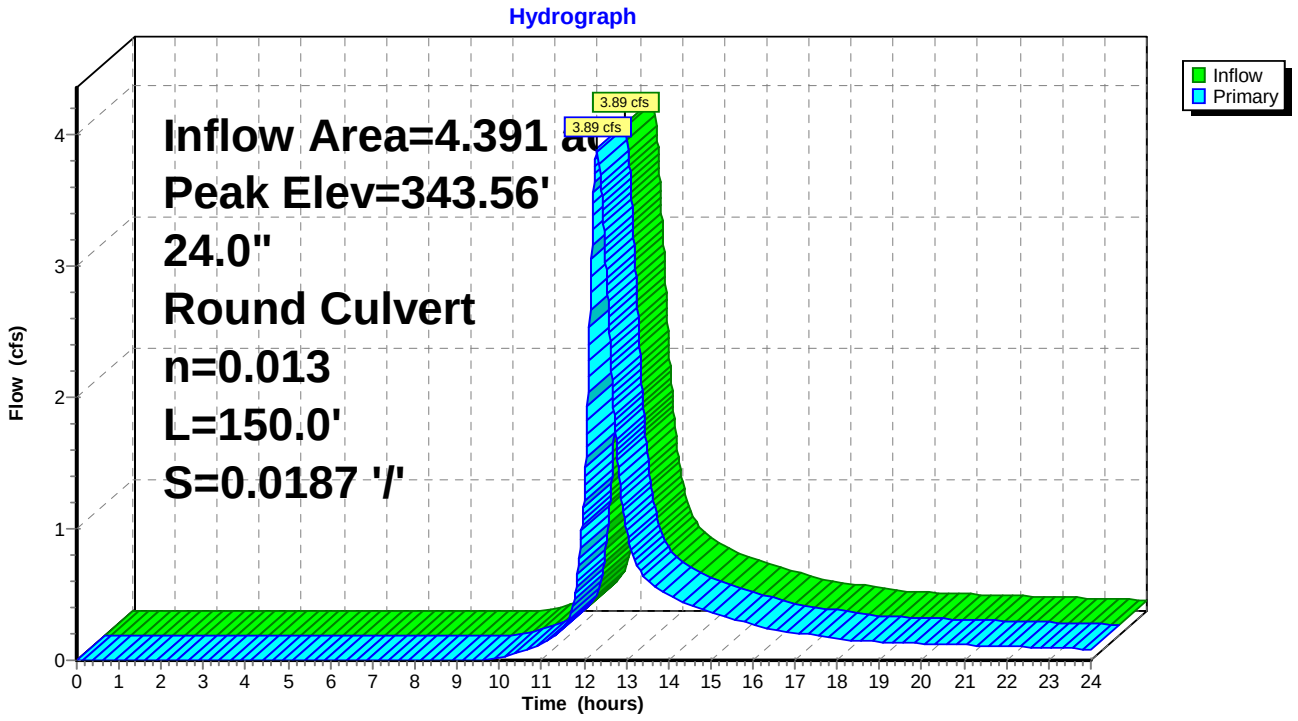
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af
Outflow = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af, Atten= 0%, Lag= 0.0 min
Primary = 3.89 cfs @ 12.31 hrs, Volume= 0.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.56' @ 12.31 hrs
Flood Elev= 347.00'

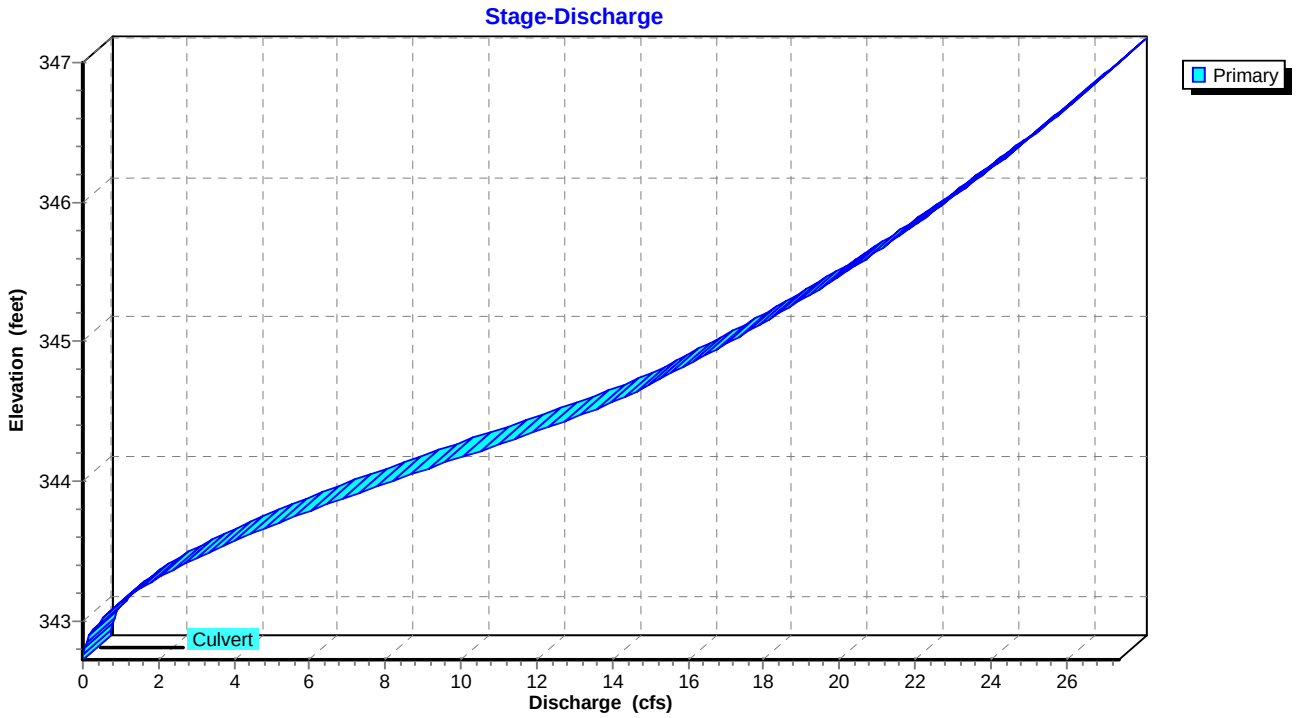
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.89 cfs @ 12.31 hrs HW=343.56' TW=340.67' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.89 cfs @ 3.12 fps)

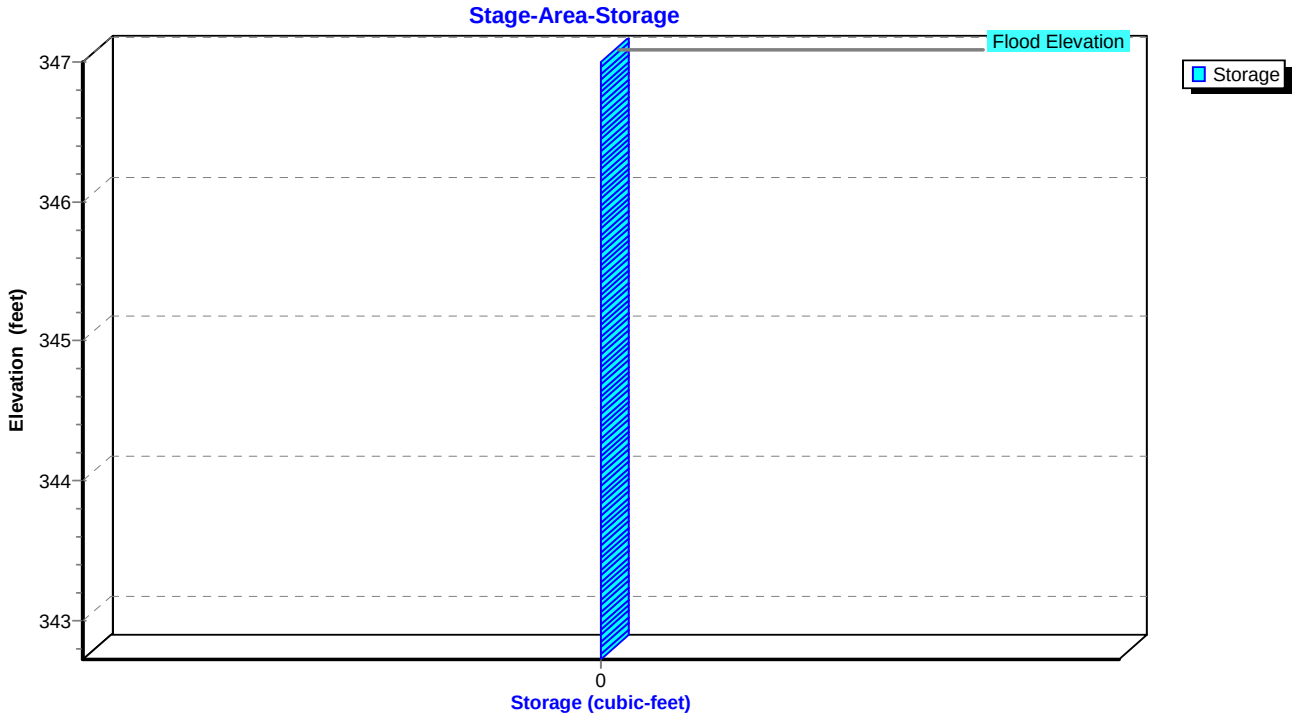
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.00	342.72	0.00
6.00	0.00	342.72	0.00
6.50	0.00	342.72	0.00
7.00	0.00	342.72	0.00
7.50	0.00	342.72	0.00
8.00	0.00	342.72	0.00
8.50	0.00	342.72	0.00
9.00	0.00	342.72	0.00
9.50	0.00	342.74	0.00
10.00	0.02	342.78	0.02
10.50	0.06	342.82	0.06
11.00	0.13	342.86	0.13
11.50	0.25	342.92	0.25
12.00	**1.21**	**343.17**	**1.21**
12.50	**3.15**	**343.47**	**3.15**
13.00	1.01	343.13	1.01
13.50	0.60	343.03	0.60
14.00	0.49	343.00	0.49
14.50	0.42	342.98	0.42
15.00	0.37	342.96	0.37
15.50	0.32	342.95	0.32
16.00	0.27	342.93	0.27
16.50	0.23	342.91	0.23
17.00	0.21	342.90	0.21
17.50	0.19	342.89	0.19
18.00	0.16	342.88	0.16
18.50	0.15	342.87	0.15
19.00	0.14	342.87	0.14
19.50	0.13	342.87	0.13
20.00	0.13	342.86	0.13
20.50	0.12	342.86	0.12
21.00	0.12	342.86	0.12
21.50	0.11	342.85	0.11
22.00	0.11	342.85	0.11
22.50	0.10	342.85	0.10
23.00	0.09	342.84	0.09
23.50	0.09	342.84	0.09
24.00	0.08	342.84	0.08

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

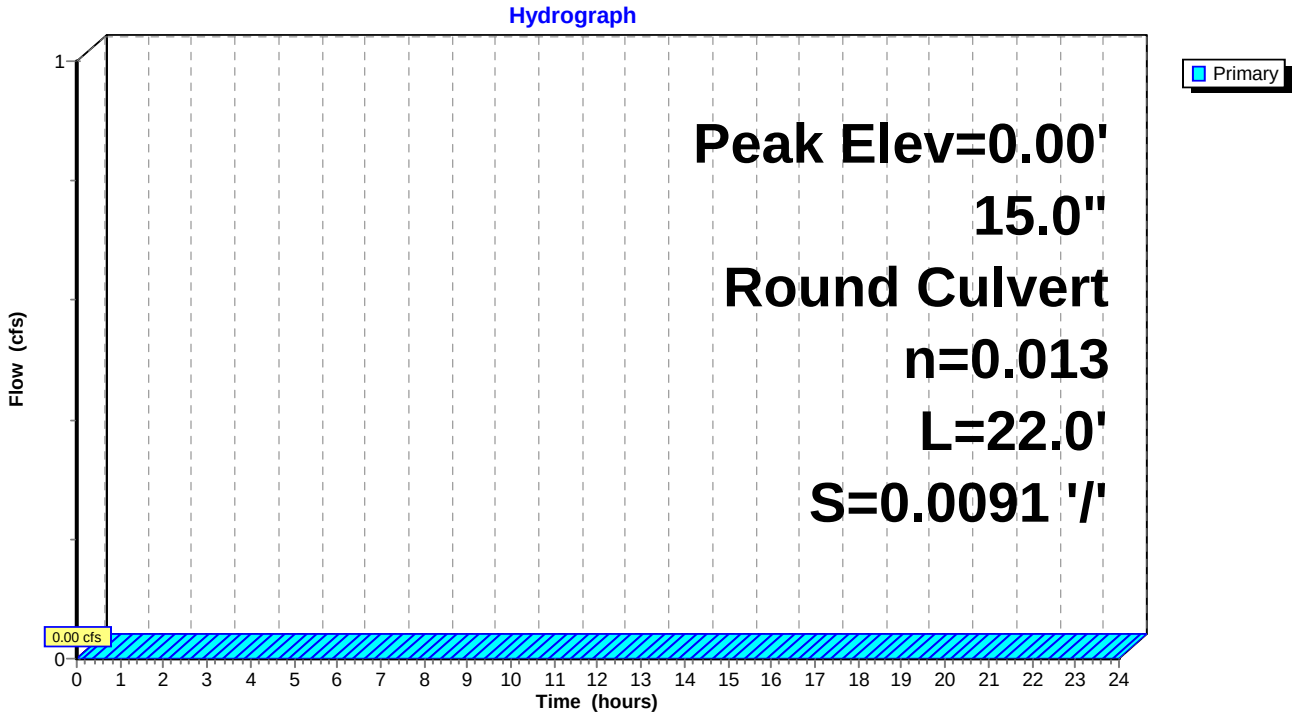
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

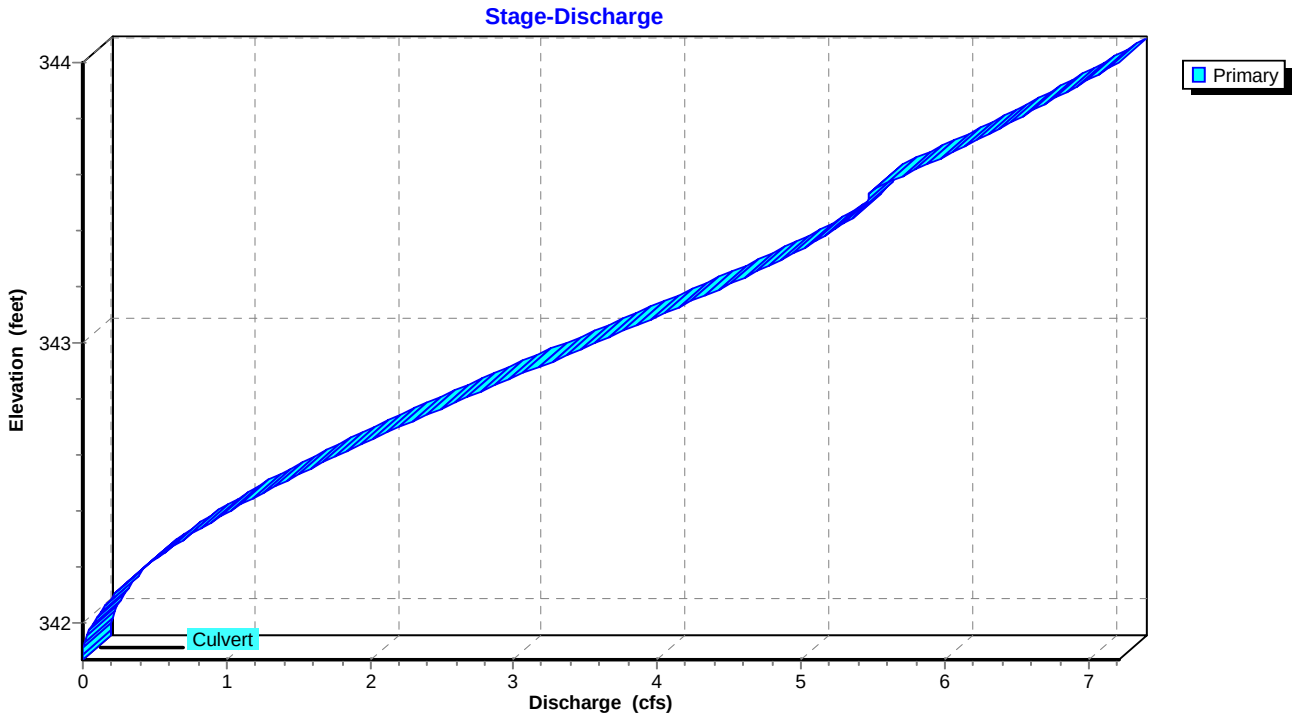
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

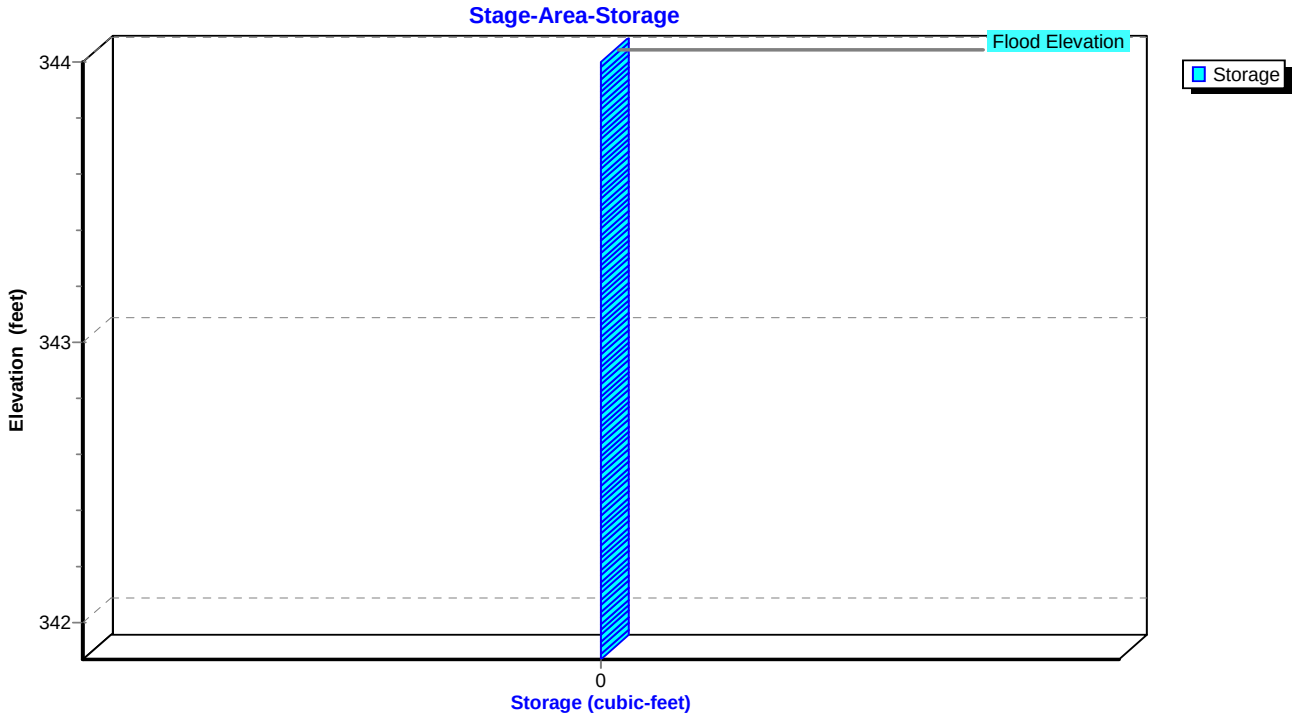
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

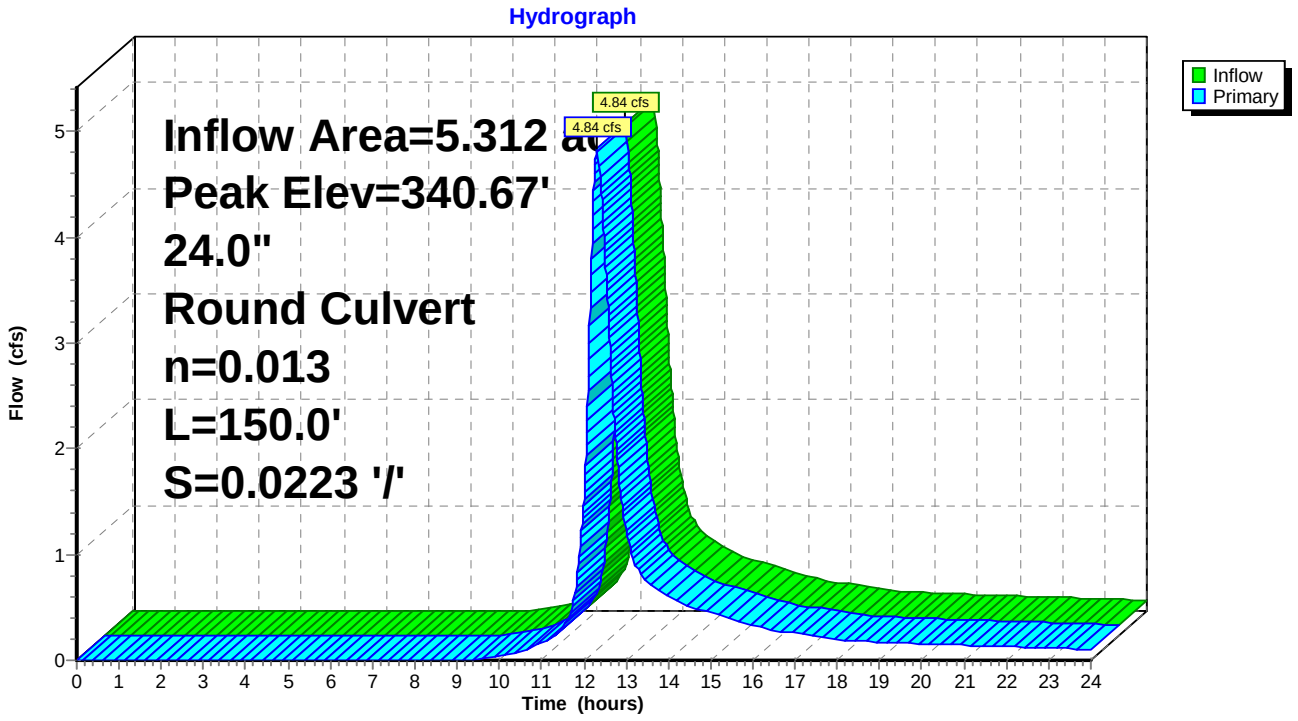
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.24" for 1-Year event
Inflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af
Outflow = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af, Atten= 0%, Lag= 0.0 min
Primary = 4.84 cfs @ 12.31 hrs, Volume= 0.548 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 340.67' @ 12.31 hrs
Flood Elev= 345.00'

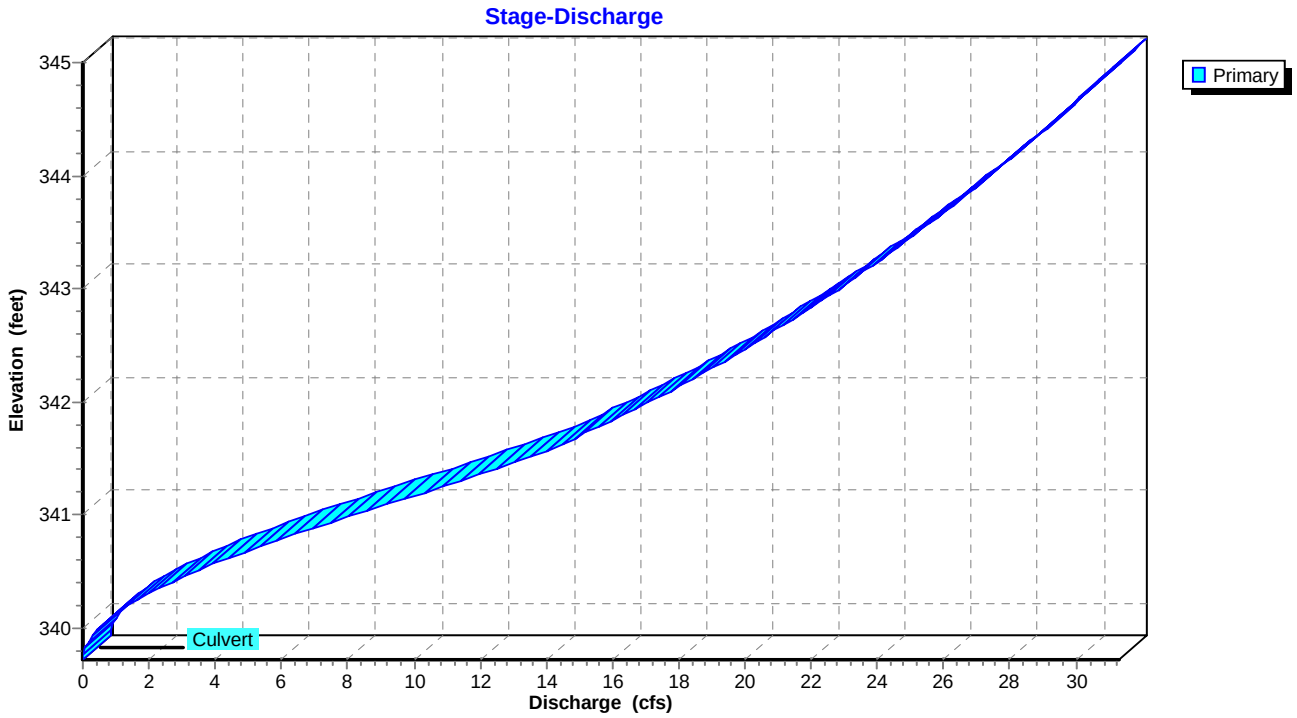
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.84 cfs @ 12.31 hrs HW=340.67' TW=335.27' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.84 cfs @ 3.31 fps)

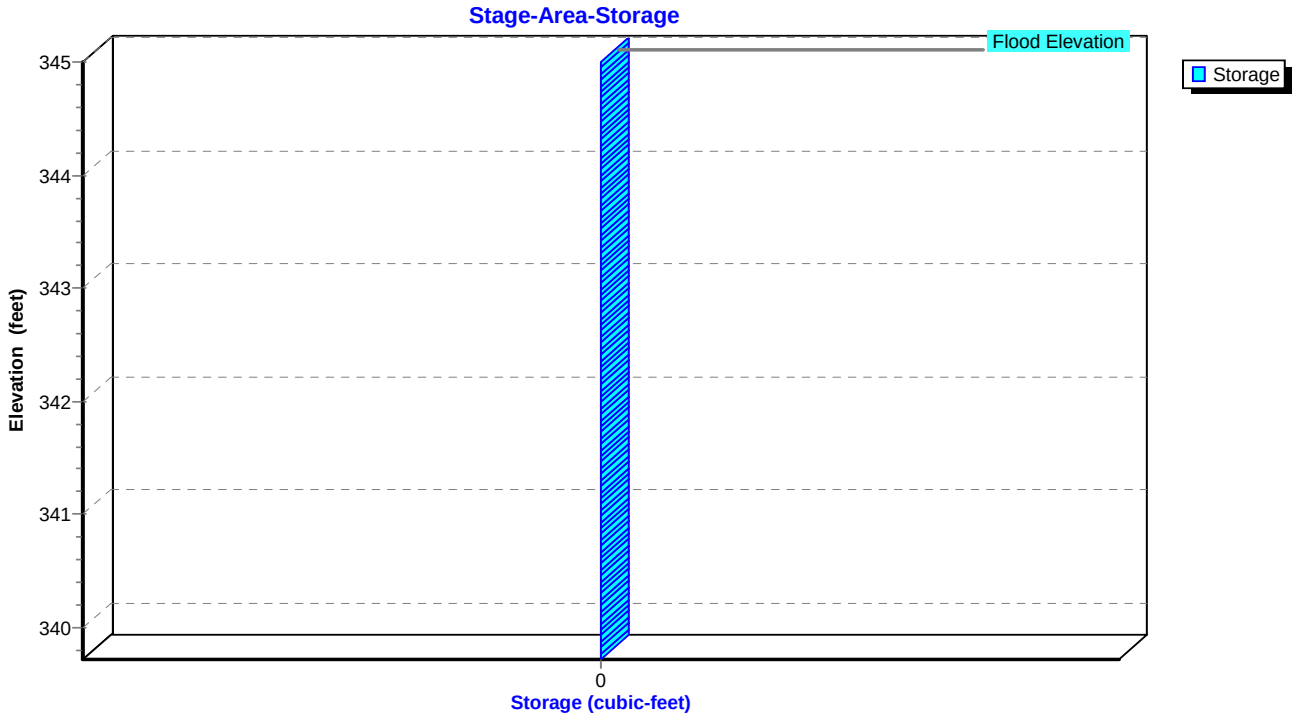
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.72	0.00
5.50	0.00	339.72	0.00
6.00	0.00	339.72	0.00
6.50	0.00	339.72	0.00
7.00	0.00	339.72	0.00
7.50	0.00	339.72	0.00
8.00	0.00	339.72	0.00
8.50	0.00	339.72	0.00
9.00	0.00	339.73	0.00
9.50	0.01	339.76	0.01
10.00	0.03	339.79	0.03
10.50	0.08	339.84	0.08
11.00	0.16	339.88	0.16
11.50	0.32	339.95	0.32
12.00	**1.53**	**340.23**	**1.53**
12.50	**3.86**	**340.55**	**3.86**
13.00	1.23	340.17	1.23
13.50	0.74	340.07	0.74
14.00	0.60	340.03	0.60
14.50	0.51	340.01	0.51
15.00	0.45	339.99	0.45
15.50	0.39	339.97	0.39
16.00	0.33	339.95	0.33
16.50	0.28	339.93	0.28
17.00	0.25	339.92	0.25
17.50	0.23	339.91	0.23
18.00	0.20	339.90	0.20
18.50	0.18	339.89	0.18
19.00	0.17	339.88	0.17
19.50	0.16	339.88	0.16
20.00	0.15	339.88	0.15
20.50	0.15	339.87	0.15
21.00	0.14	339.87	0.14
21.50	0.13	339.87	0.13
22.00	0.13	339.86	0.13
22.50	0.12	339.86	0.12
23.00	0.12	339.86	0.12
23.50	0.11	339.85	0.11
24.00	0.10	339.85	0.10

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

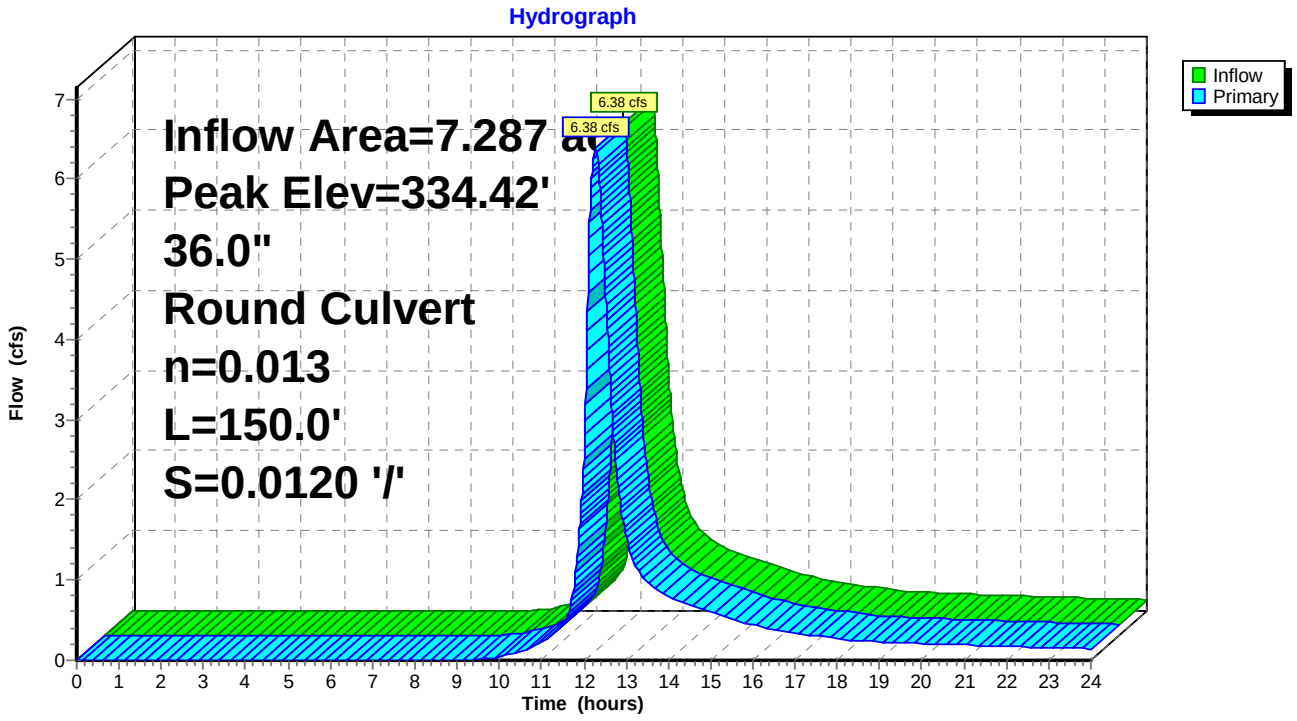
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.42' @ 12.27 hrs
Flood Elev= 337.75'

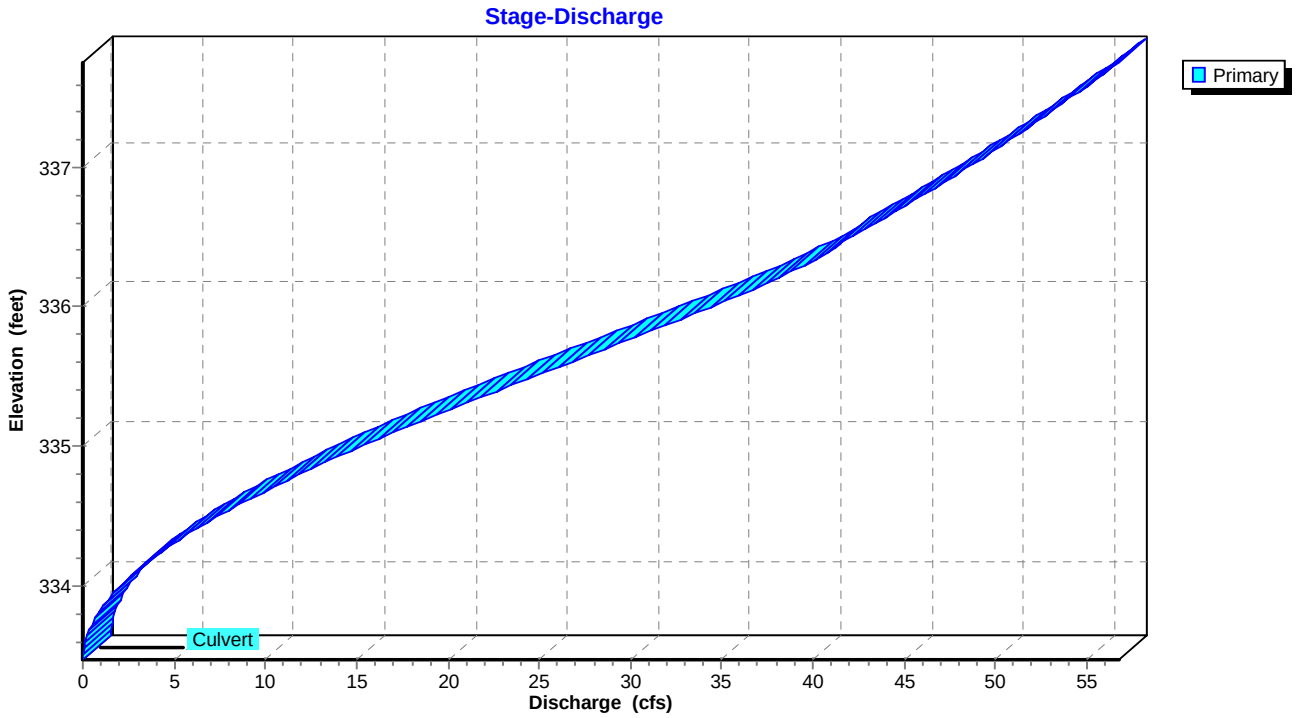
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=334.42' TW=331.05' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.38 cfs @ 3.32 fps)

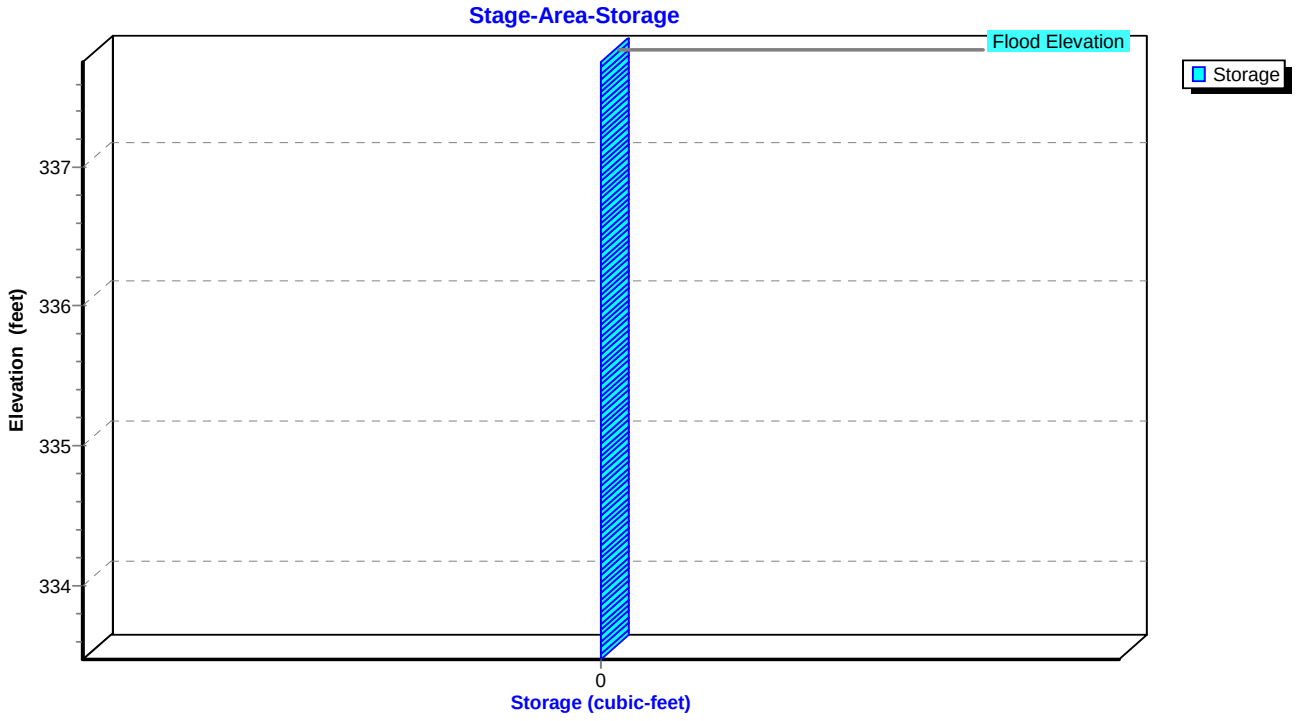
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.00	333.47	0.00
8.00	0.00	333.47	0.00
8.50	0.00	333.47	0.00
9.00	0.00	333.48	0.00
9.50	0.01	333.50	0.01
10.00	0.04	333.55	0.04
10.50	0.11	333.59	0.11
11.00	0.22	333.64	0.22
11.50	0.45	333.71	0.45
12.00	**2.51**	**334.05**	**2.51**
12.50	**4.74**	**334.28**	**4.74**
13.00	1.55	333.92	1.55
13.50	0.98	333.83	0.98
14.00	0.80	333.79	0.80
14.50	0.68	333.77	0.68
15.00	0.60	333.75	0.60
15.50	0.52	333.73	0.52
16.00	0.44	333.71	0.44
16.50	0.38	333.69	0.38
17.00	0.34	333.68	0.34
17.50	0.30	333.67	0.30
18.00	0.27	333.66	0.27
18.50	0.24	333.65	0.24
19.00	0.23	333.64	0.23
19.50	0.22	333.64	0.22
20.00	0.21	333.63	0.21
20.50	0.20	333.63	0.20
21.00	0.19	333.63	0.19
21.50	0.18	333.62	0.18
22.00	0.17	333.62	0.17
22.50	0.16	333.62	0.16
23.00	0.16	333.61	0.16
23.50	0.15	333.61	0.15
24.00	0.14	333.60	0.14

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

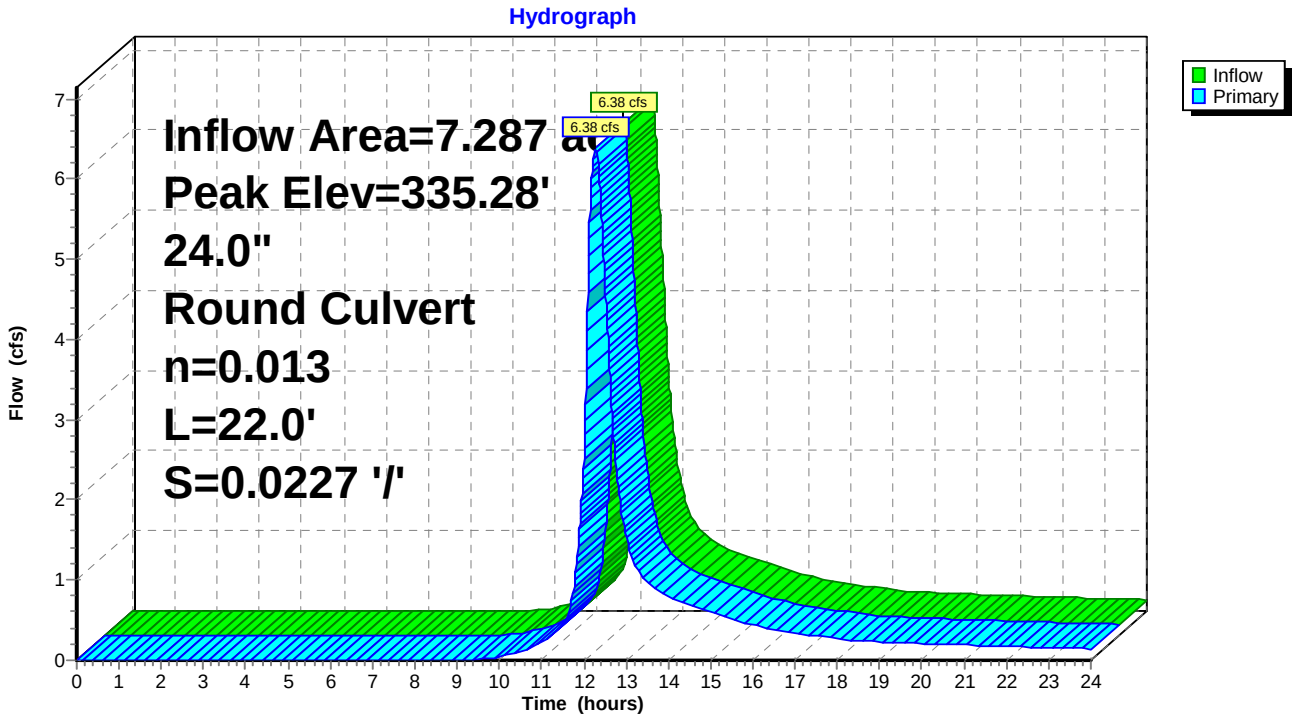
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.22" for 1-Year event
Inflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af
Outflow = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af, Atten= 0%, Lag= 0.0 min
Primary = 6.38 cfs @ 12.27 hrs, Volume= 0.739 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.28' @ 12.27 hrs
Flood Elev= 339.50'

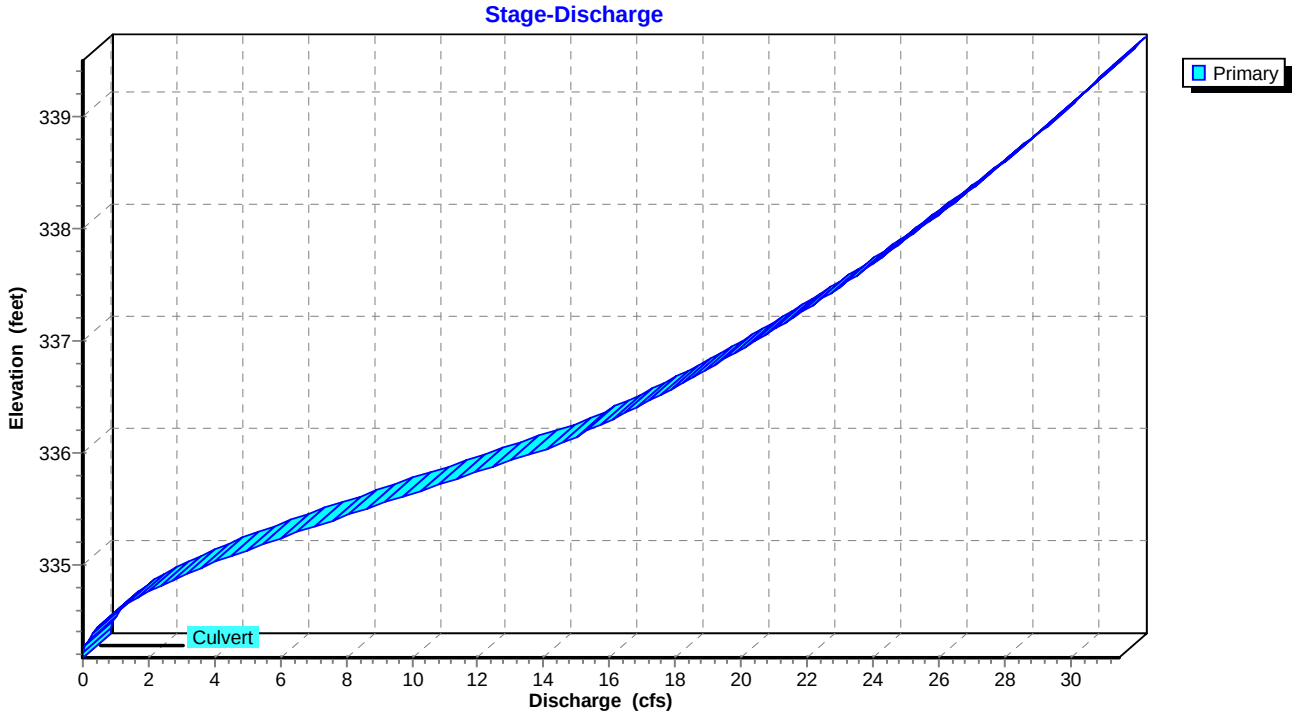
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.38 cfs @ 12.27 hrs HW=335.28' TW=334.42' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.38 cfs @ 3.58 fps)

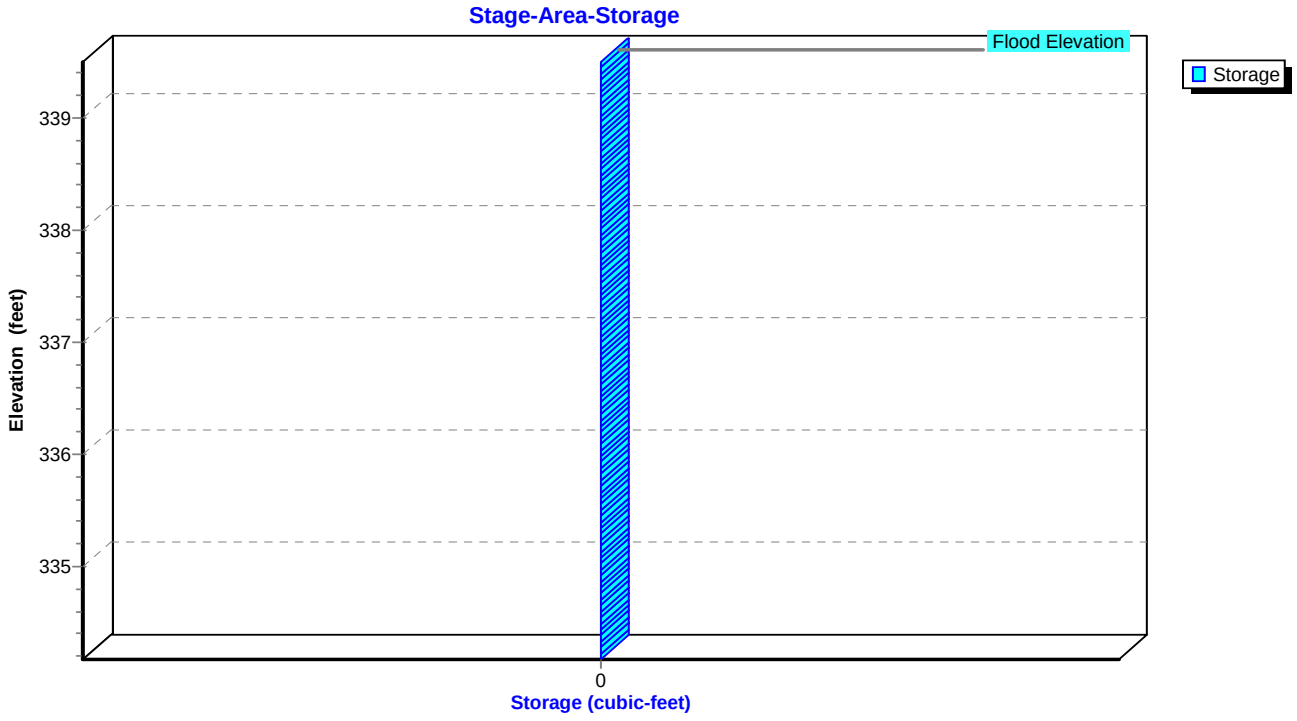
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.17	0.00
5.50	0.00	334.17	0.00
6.00	0.00	334.17	0.00
6.50	0.00	334.17	0.00
7.00	0.00	334.17	0.00
7.50	0.00	334.17	0.00
8.00	0.00	334.17	0.00
8.50	0.00	334.17	0.00
9.00	0.00	334.18	0.00
9.50	0.01	334.21	0.01
10.00	0.04	334.25	0.04
10.50	0.11	334.30	0.11
11.00	0.22	334.36	0.22
11.50	0.45	334.44	0.45
12.00	**2.51**	**334.83**	**2.51**
12.50	**4.74**	**335.11**	**4.74**
13.00	1.55	334.68	1.55
13.50	0.98	334.57	0.98
14.00	0.80	334.53	0.80
14.50	0.68	334.50	0.68
15.00	0.60	334.48	0.60
15.50	0.52	334.46	0.52
16.00	0.44	334.44	0.44
16.50	0.38	334.42	0.38
17.00	0.34	334.40	0.34
17.50	0.30	334.39	0.30
18.00	0.27	334.38	0.27
18.50	0.24	334.37	0.24
19.00	0.23	334.36	0.23
19.50	0.22	334.36	0.22
20.00	0.21	334.35	0.21
20.50	0.20	334.35	0.20
21.00	0.19	334.34	0.19
21.50	0.18	334.34	0.18
22.00	0.17	334.34	0.17
22.50	0.16	334.33	0.16
23.00	0.16	334.33	0.16
23.50	0.15	334.32	0.15
24.00	0.14	334.32	0.14

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

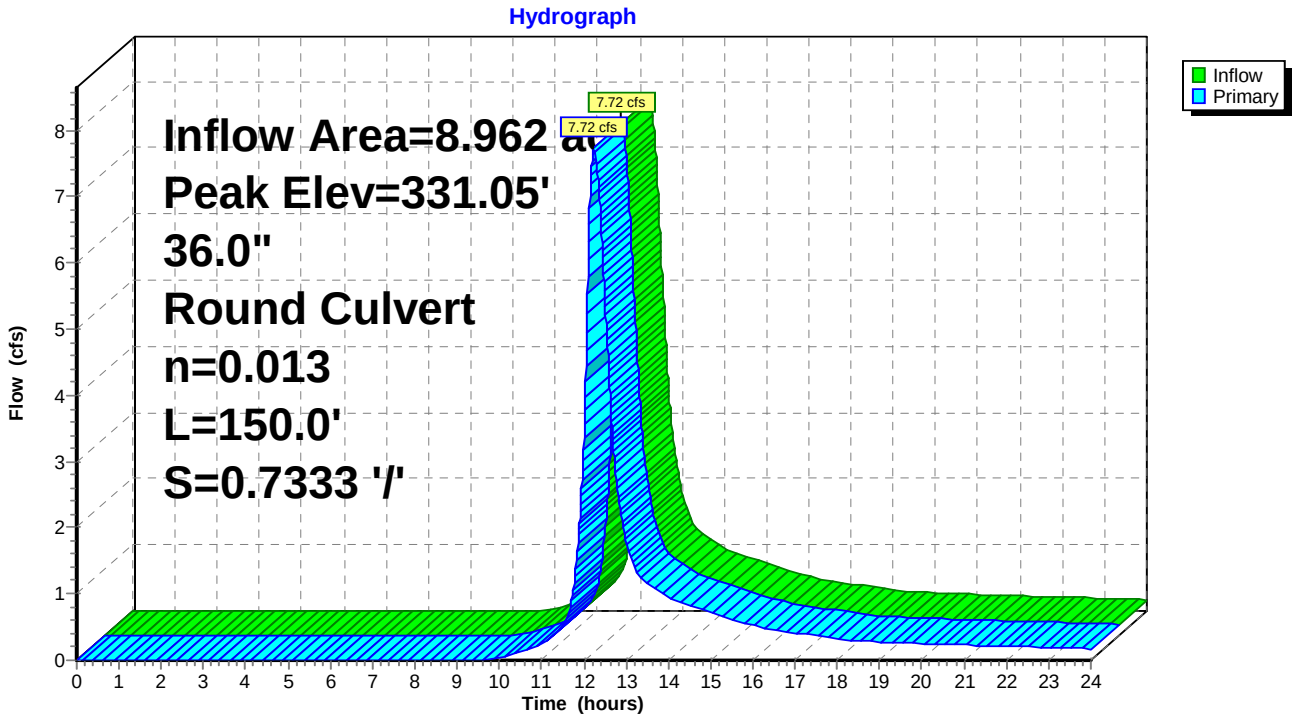
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.18" for 1-Year event
Inflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af
Outflow = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af, Atten= 0%, Lag= 0.0 min
Primary = 7.72 cfs @ 12.23 hrs, Volume= 0.884 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.05' @ 12.23 hrs
Flood Elev= 335.00'

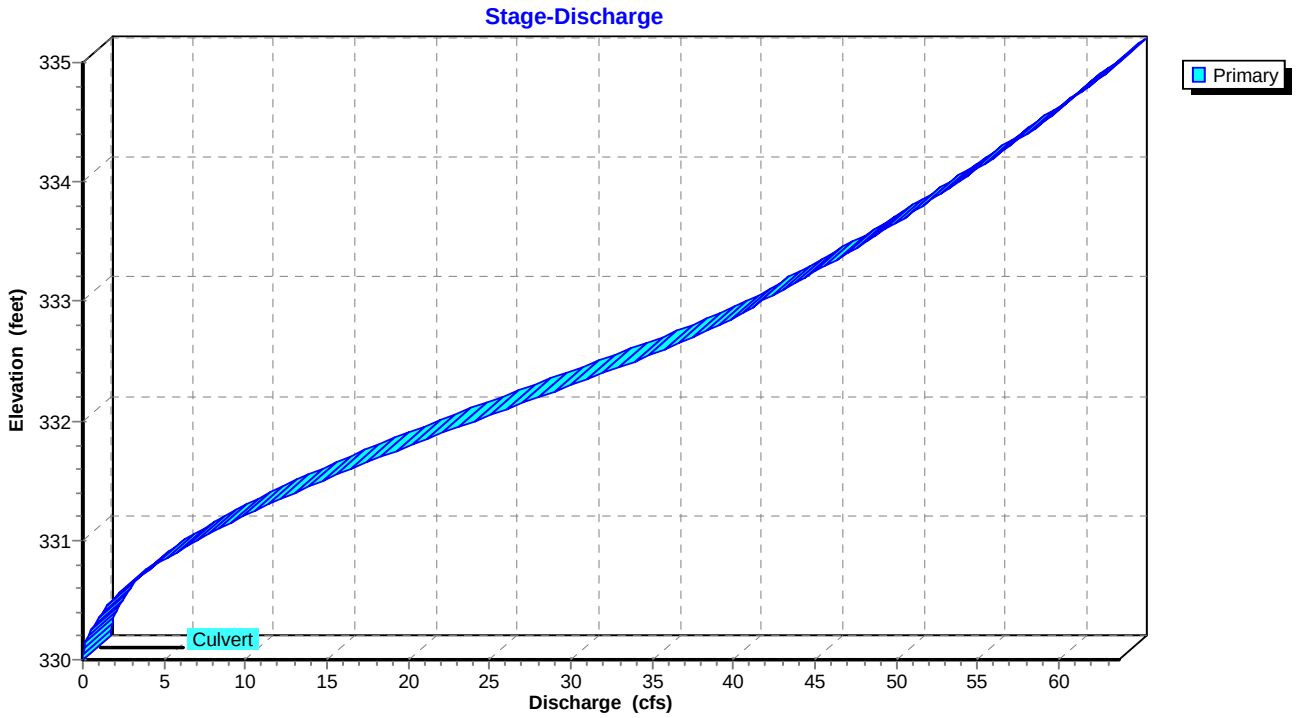
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=7.72 cfs @ 12.23 hrs HW=331.05' TW=0.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.72 cfs @ 3.49 fps)

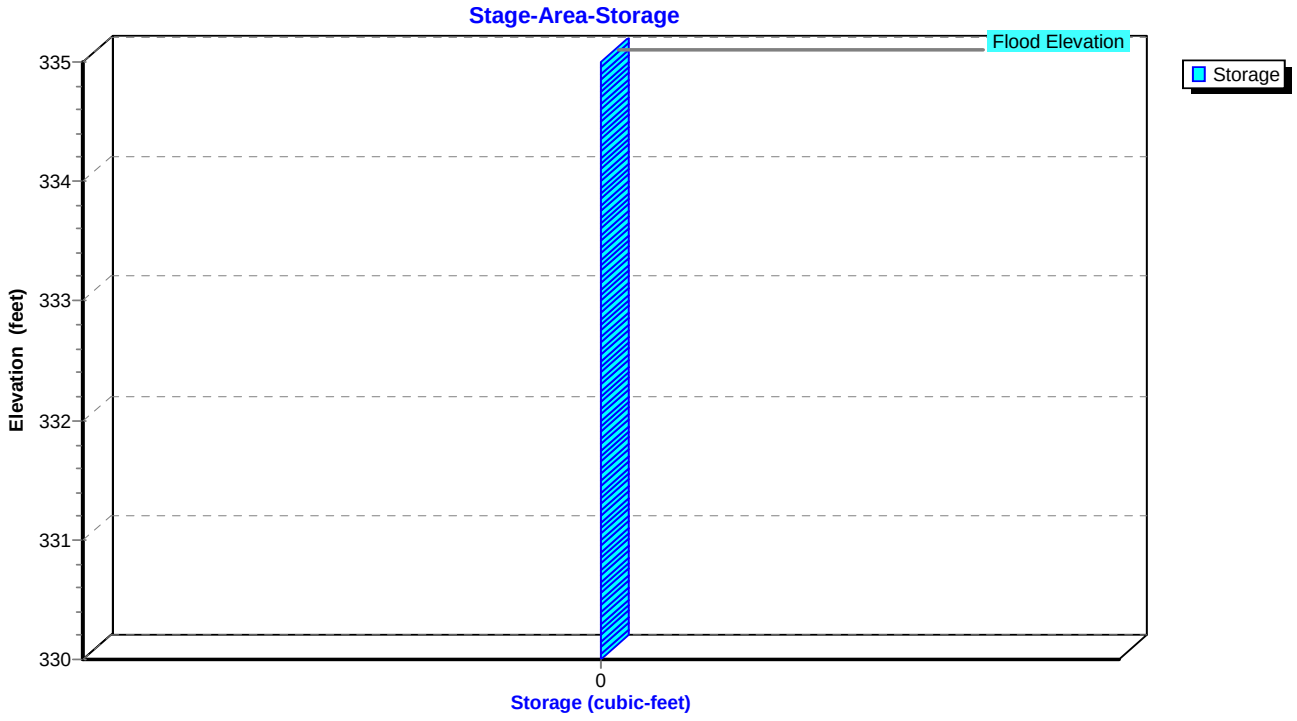
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.00	0.00
5.50	0.00	330.00	0.00
6.00	0.00	330.00	0.00
6.50	0.00	330.00	0.00
7.00	0.00	330.00	0.00
7.50	0.00	330.00	0.00
8.00	0.00	330.00	0.00
8.50	0.00	330.00	0.00
9.00	0.00	330.01	0.00
9.50	0.01	330.03	0.01
10.00	0.04	330.07	0.04
10.50	0.12	330.13	0.12
11.00	0.25	330.18	0.25
11.50	0.53	330.26	0.53
12.00	**3.37**	**330.68**	**3.37**
12.50	**5.46**	**330.87**	**5.46**
13.00	1.80	330.49	1.80
13.50	1.17	330.39	1.17
14.00	0.96	330.36	0.96
14.50	0.82	330.33	0.82
15.00	0.72	330.31	0.72
15.50	0.63	330.29	0.63
16.00	0.53	330.26	0.53
16.50	0.46	330.24	0.46
17.00	0.41	330.23	0.41
17.50	0.37	330.22	0.37
18.00	0.32	330.20	0.32
18.50	0.29	330.19	0.29
19.00	0.28	330.19	0.28
19.50	0.26	330.19	0.26
20.00	0.25	330.18	0.25
20.50	0.24	330.18	0.24
21.00	0.23	330.17	0.23
21.50	0.22	330.17	0.22
22.00	0.21	330.16	0.21
22.50	0.20	330.16	0.20
23.00	0.19	330.16	0.19
23.50	0.18	330.15	0.18
24.00	0.17	330.15	0.17

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

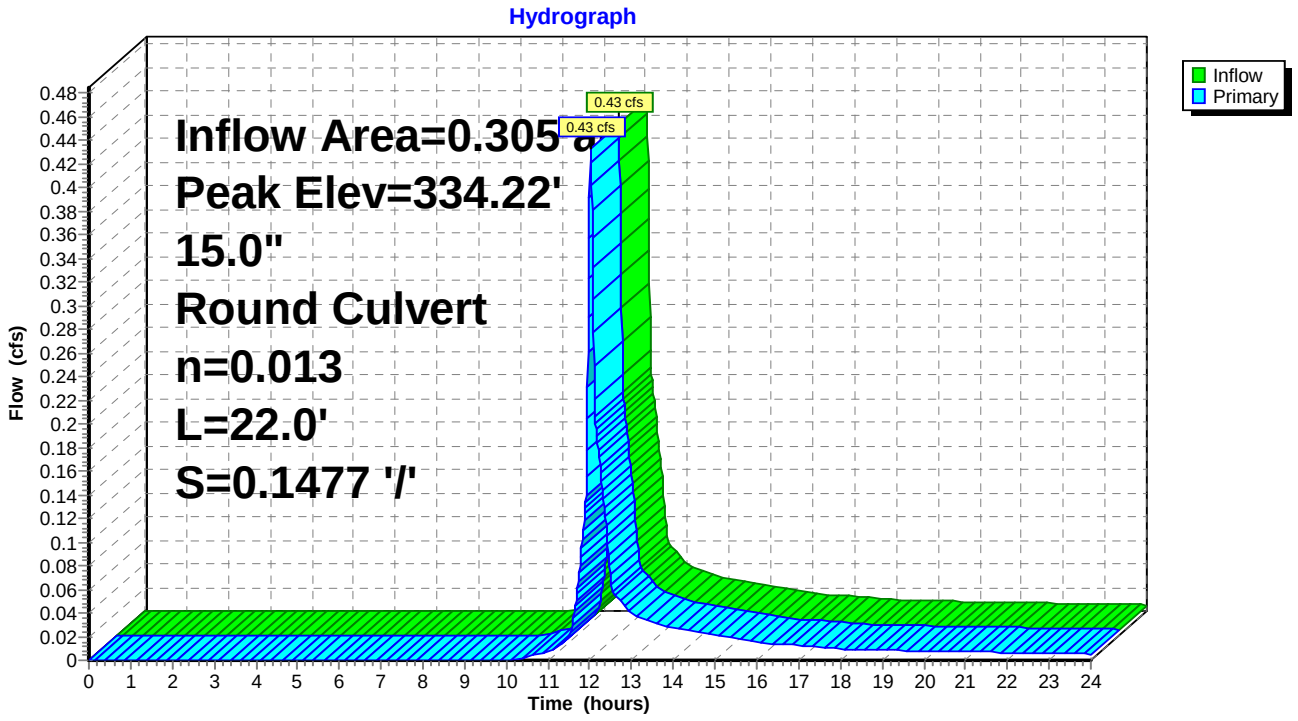
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af
Outflow = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.02 hrs, Volume= 0.027 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.22' @ 12.02 hrs
Flood Elev= 336.50'

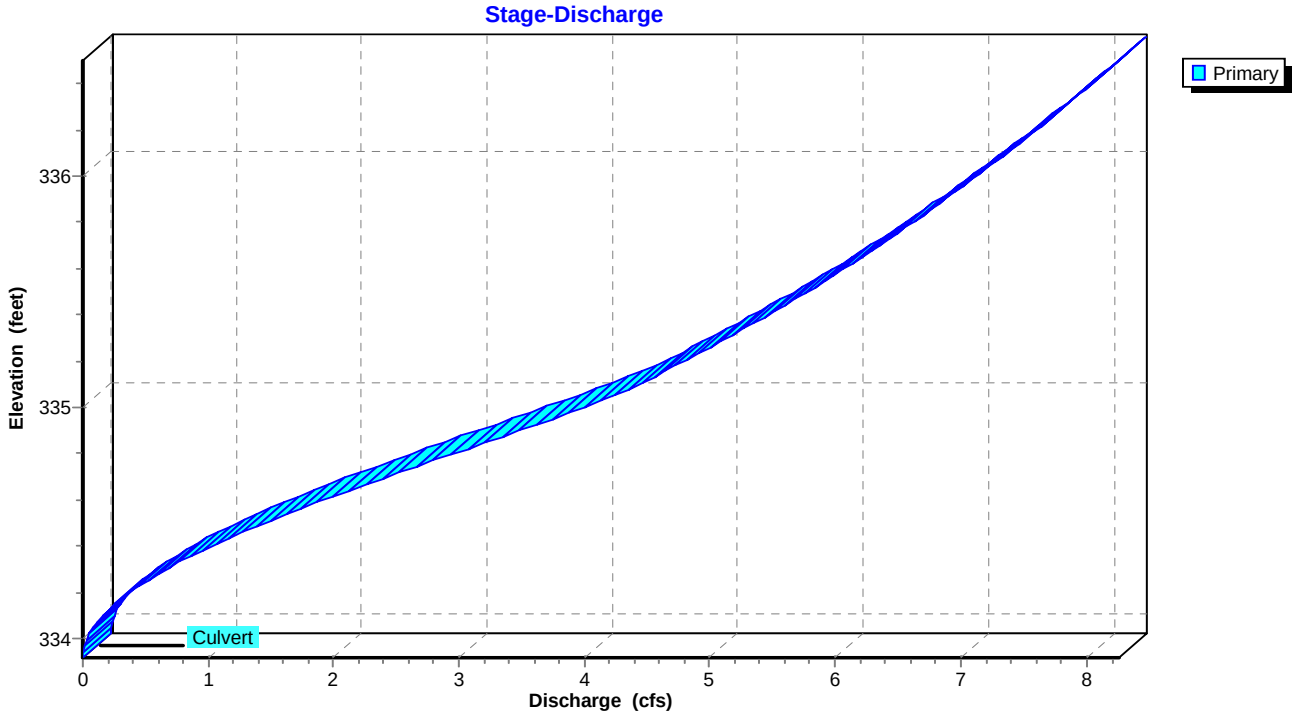
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.43 cfs @ 12.02 hrs HW=334.22' TW=330.72' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.43 cfs @ 1.88 fps)

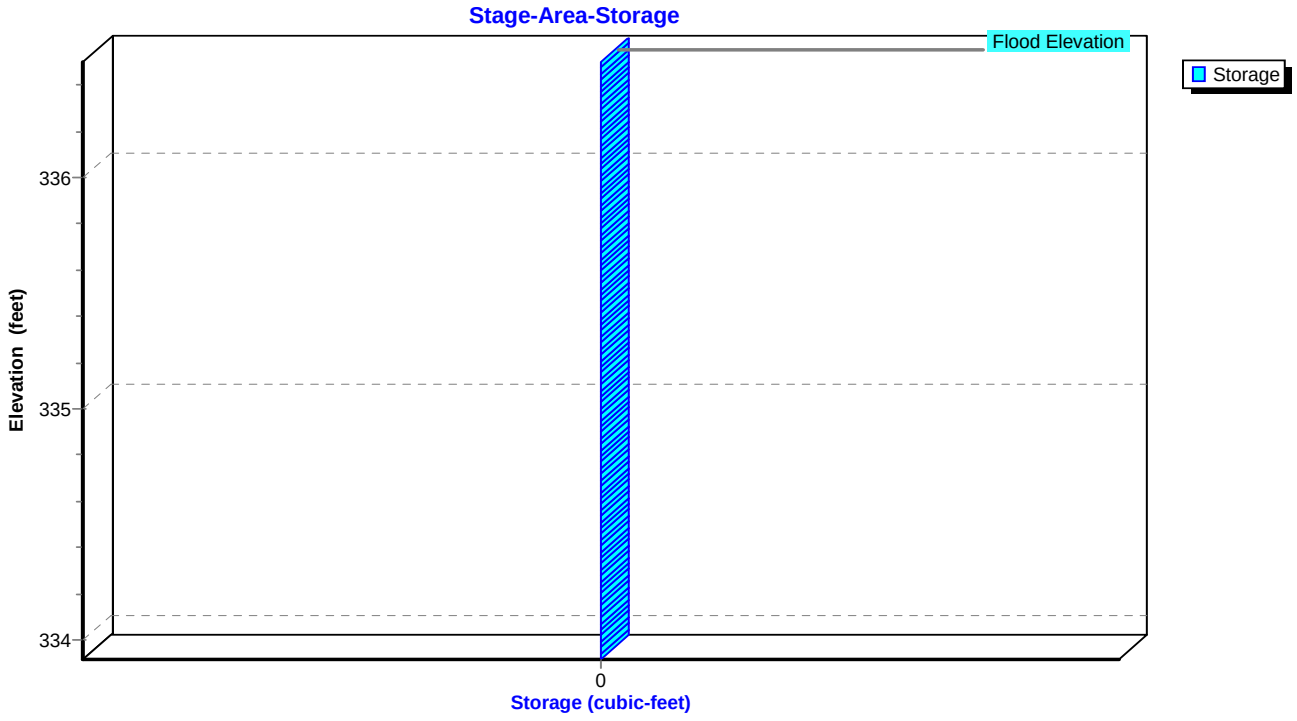
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.92	0.00
10.00	0.00	333.92	0.00
10.50	0.00	333.94	0.00
11.00	0.01	333.96	0.01
11.50	0.02	333.98	0.02
12.00	**0.39**	**334.21**	**0.39**
12.50	**0.07**	**334.04**	**0.07**
13.00	0.04	334.01	0.04
13.50	0.03	334.00	0.03
14.00	0.03	333.99	0.03
14.50	0.02	333.99	0.02
15.00	0.02	333.99	0.02
15.50	0.02	333.98	0.02
16.00	0.02	333.97	0.02
16.50	0.01	333.97	0.01
17.00	0.01	333.97	0.01
17.50	0.01	333.97	0.01
18.00	0.01	333.96	0.01
18.50	0.01	333.96	0.01
19.00	0.01	333.96	0.01
19.50	0.01	333.96	0.01
20.00	0.01	333.96	0.01
20.50	0.01	333.96	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.96	0.01
22.50	0.01	333.96	0.01
23.00	0.01	333.95	0.01
23.50	0.01	333.95	0.01
24.00	0.01	333.95	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

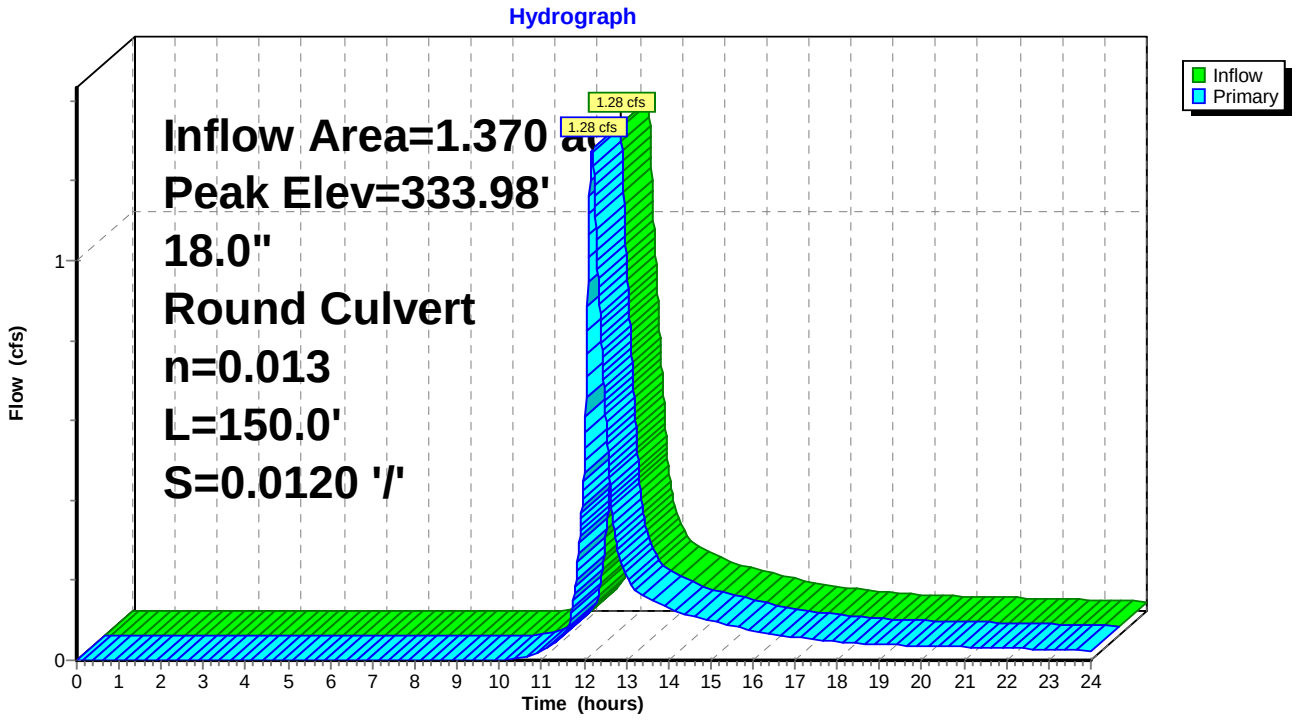
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af
Outflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.98' @ 12.19 hrs
Flood Elev= 337.00'

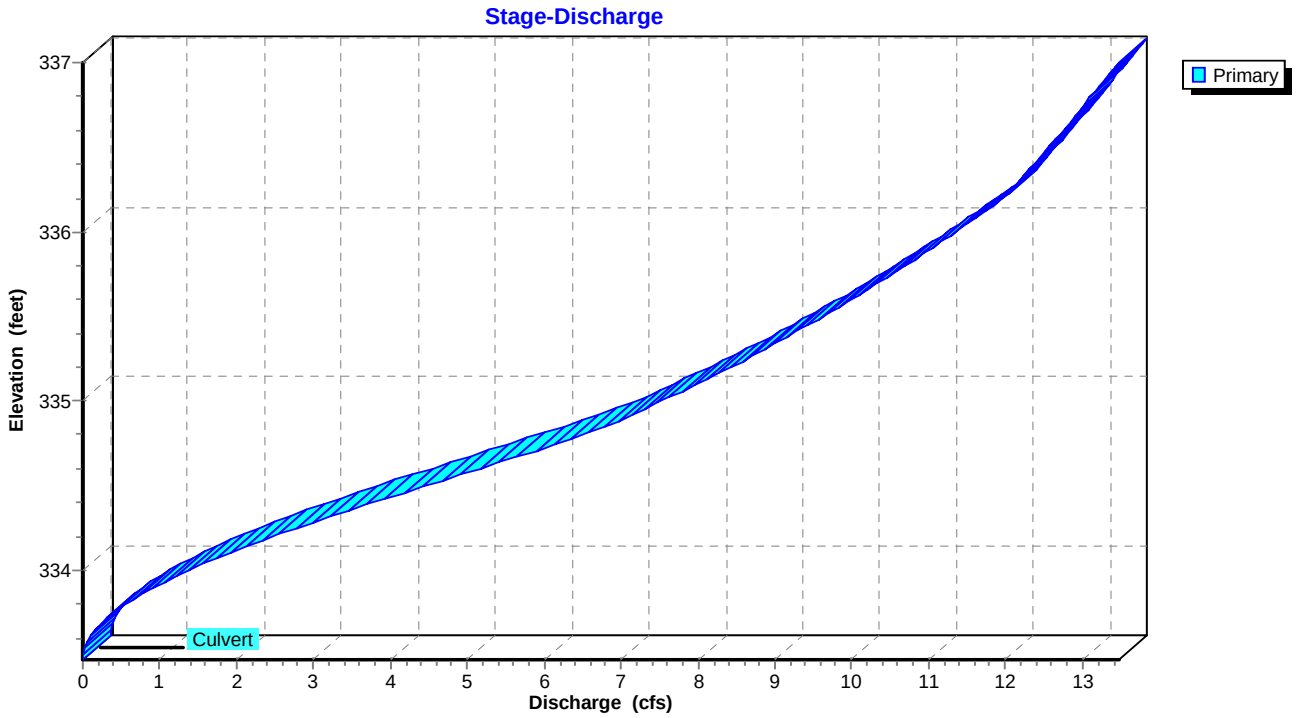
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.28 cfs @ 12.19 hrs HW=333.98' TW=331.04' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.28 cfs @ 2.43 fps)

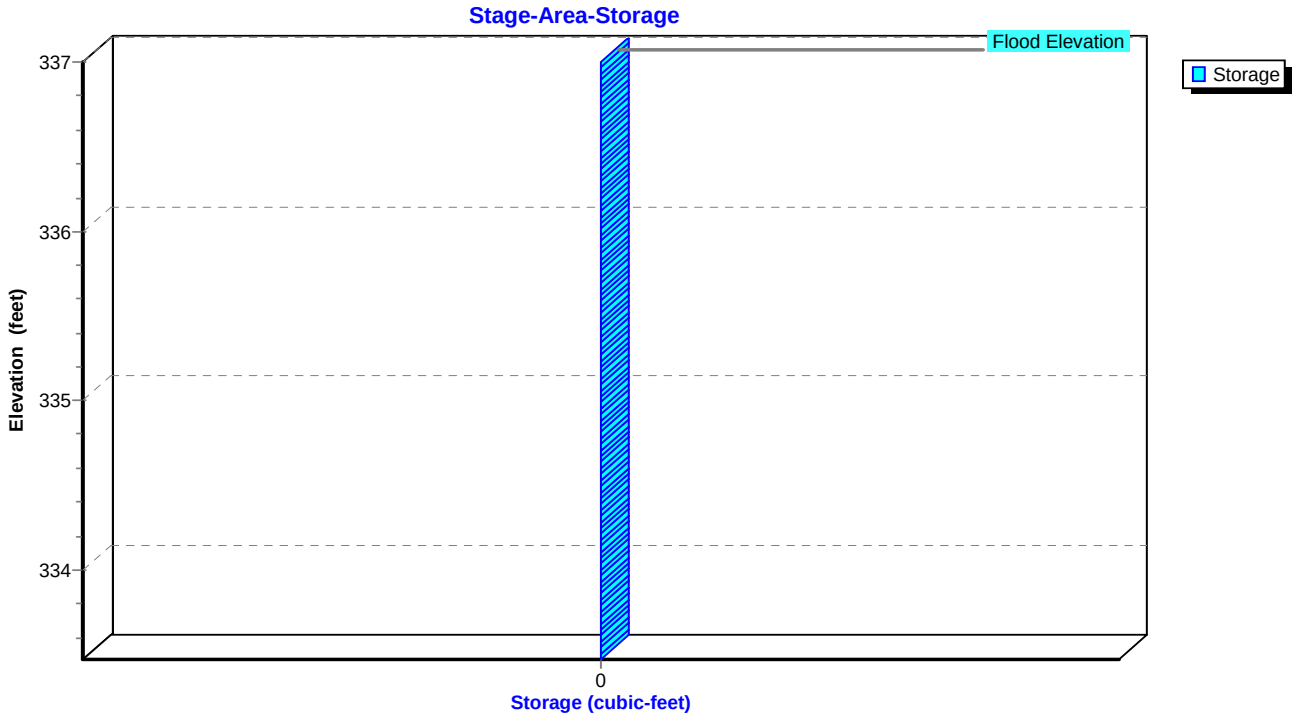
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.00	333.47	0.00
8.00	0.00	333.47	0.00
8.50	0.00	333.47	0.00
9.00	0.00	333.47	0.00
9.50	0.00	333.47	0.00
10.00	0.00	333.47	0.00
10.50	0.01	333.51	0.01
11.00	0.02	333.54	0.02
11.50	0.06	333.58	0.06
12.00	**0.47**	**333.77**	**0.47**
12.50	**0.65**	**333.82**	**0.65**
13.00	0.21	333.67	0.21
13.50	0.16	333.64	0.16
14.00	0.13	333.63	0.13
14.50	0.11	333.61	0.11
15.00	0.10	333.61	0.10
15.50	0.09	333.60	0.09
16.00	0.07	333.59	0.07
16.50	0.06	333.58	0.06
17.00	0.06	333.57	0.06
17.50	0.05	333.57	0.05
18.00	0.04	333.56	0.04
18.50	0.04	333.56	0.04
19.00	0.04	333.56	0.04
19.50	0.04	333.55	0.04
20.00	0.04	333.55	0.04
20.50	0.03	333.55	0.03
21.00	0.03	333.55	0.03
21.50	0.03	333.55	0.03
22.00	0.03	333.55	0.03
22.50	0.03	333.54	0.03
23.00	0.03	333.54	0.03
23.50	0.03	333.54	0.03
24.00	0.02	333.54	0.02

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)
333.47	**0**
333.52	0
333.57	0
333.62	0
333.67	0
333.72	0
333.77	0
333.82	0
333.87	0
333.92	0
333.97	0
334.02	0
334.07	0
334.12	0
334.17	0
334.22	0
334.27	0
334.32	0
334.37	0
334.42	0
334.47	0
334.52	0
334.57	0
334.62	0
334.67	0
334.72	0
334.77	0
334.82	0
334.87	0
334.92	0
334.97	0
335.02	0
335.07	0
335.12	0
335.17	0
335.22	0
335.27	0
335.32	0
335.37	0
335.42	0
335.47	0
335.52	0
335.57	0
335.62	0
335.67	0
335.72	0
335.77	0
335.82	0
335.87	0
335.92	0
335.97	0

Elevation (feet)	Storage (cubic-feet)
336.02	0
336.07	0
336.12	0
336.17	0
336.22	0
336.27	0
336.32	0
336.37	0
336.42	0
336.47	0
336.52	0
336.57	0
336.62	0
336.67	0
336.72	0
336.77	0
336.82	0
336.87	0
336.92	0
336.97	0

Summary for Pond CB6-1: CB1-1

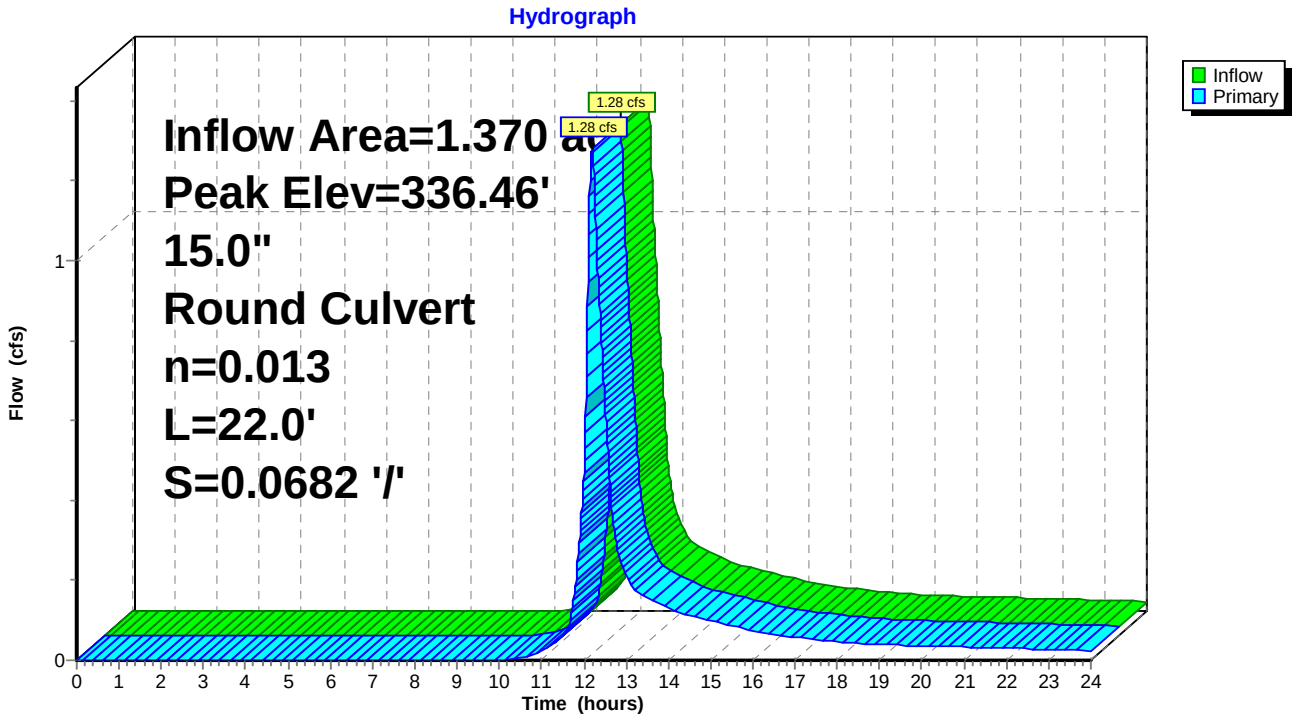
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af
Outflow = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af, Atten= 0%, Lag= 0.0 min
Primary = 1.28 cfs @ 12.19 hrs, Volume= 0.119 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.46' @ 12.19 hrs
Flood Elev= 338.50'

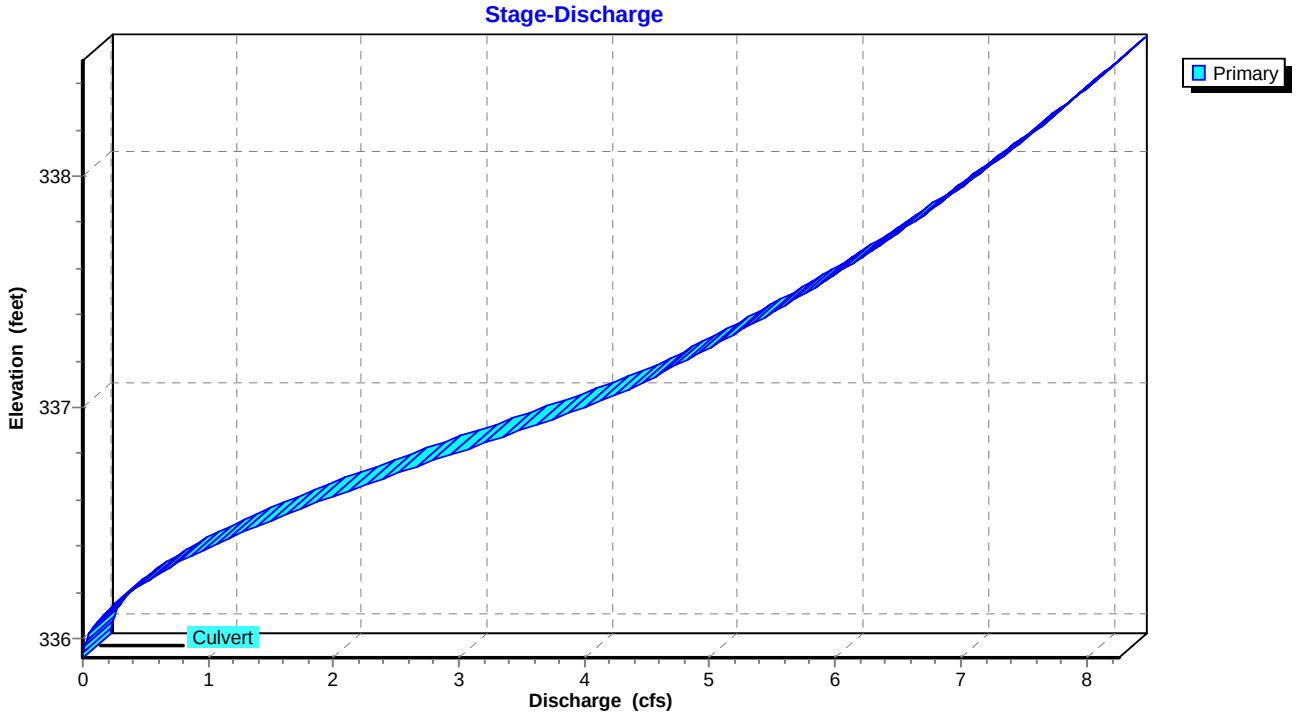
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.28 cfs @ 12.19 hrs HW=336.46' TW=333.98' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.28 cfs @ 2.51 fps)

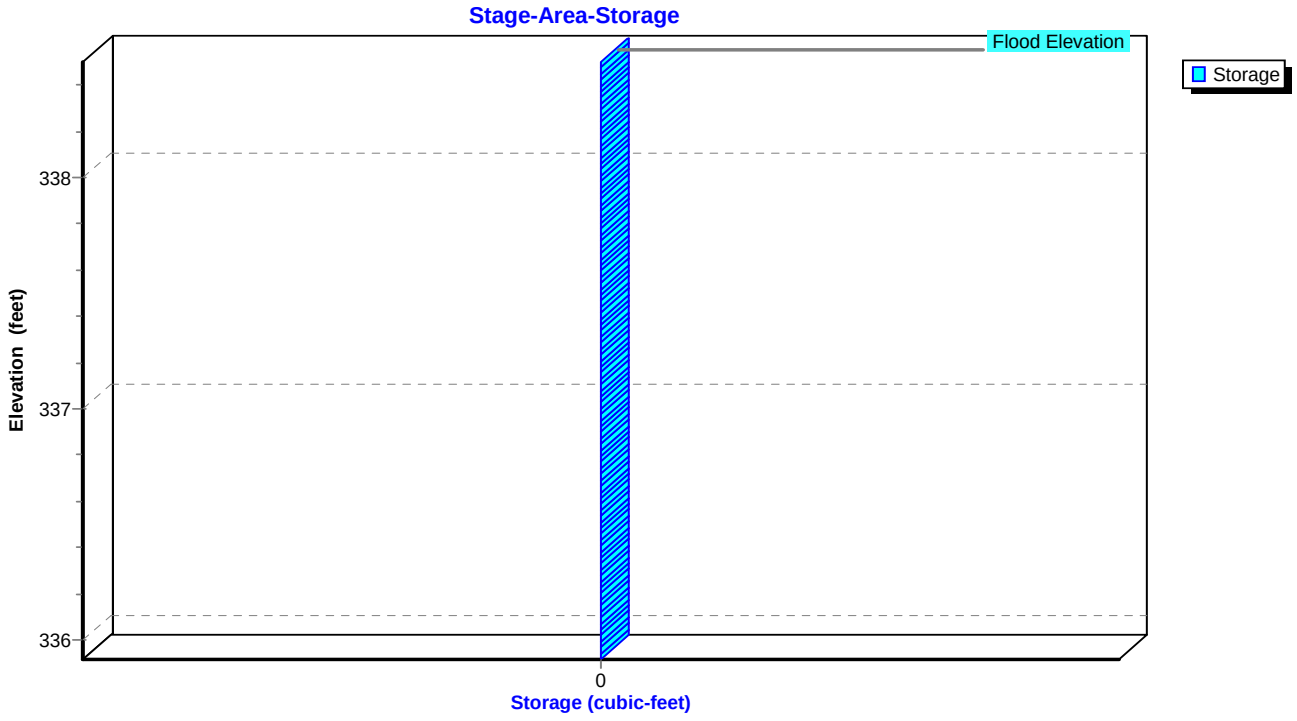
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.92	0.00
10.00	0.00	335.92	0.00
10.50	0.01	335.96	0.01
11.00	0.02	335.99	0.02
11.50	0.06	336.03	0.06
12.00	**0.47**	**336.24**	**0.47**
12.50	**0.65**	**336.30**	**0.65**
13.00	0.21	336.13	0.21
13.50	0.16	336.10	0.16
14.00	0.13	336.08	0.13
14.50	0.11	336.07	0.11
15.00	0.10	336.06	0.10
15.50	0.09	336.05	0.09
16.00	0.07	336.04	0.07
16.50	0.06	336.03	0.06
17.00	0.06	336.03	0.06
17.50	0.05	336.02	0.05
18.00	0.04	336.02	0.04
18.50	0.04	336.01	0.04
19.00	0.04	336.01	0.04
19.50	0.04	336.01	0.04
20.00	0.04	336.00	0.04
20.50	0.03	336.00	0.03
21.00	0.03	336.00	0.03
21.50	0.03	336.00	0.03
22.00	0.03	336.00	0.03
22.50	0.03	336.00	0.03
23.00	0.03	335.99	0.03
23.50	0.03	335.99	0.03
24.00	0.02	335.99	0.02

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

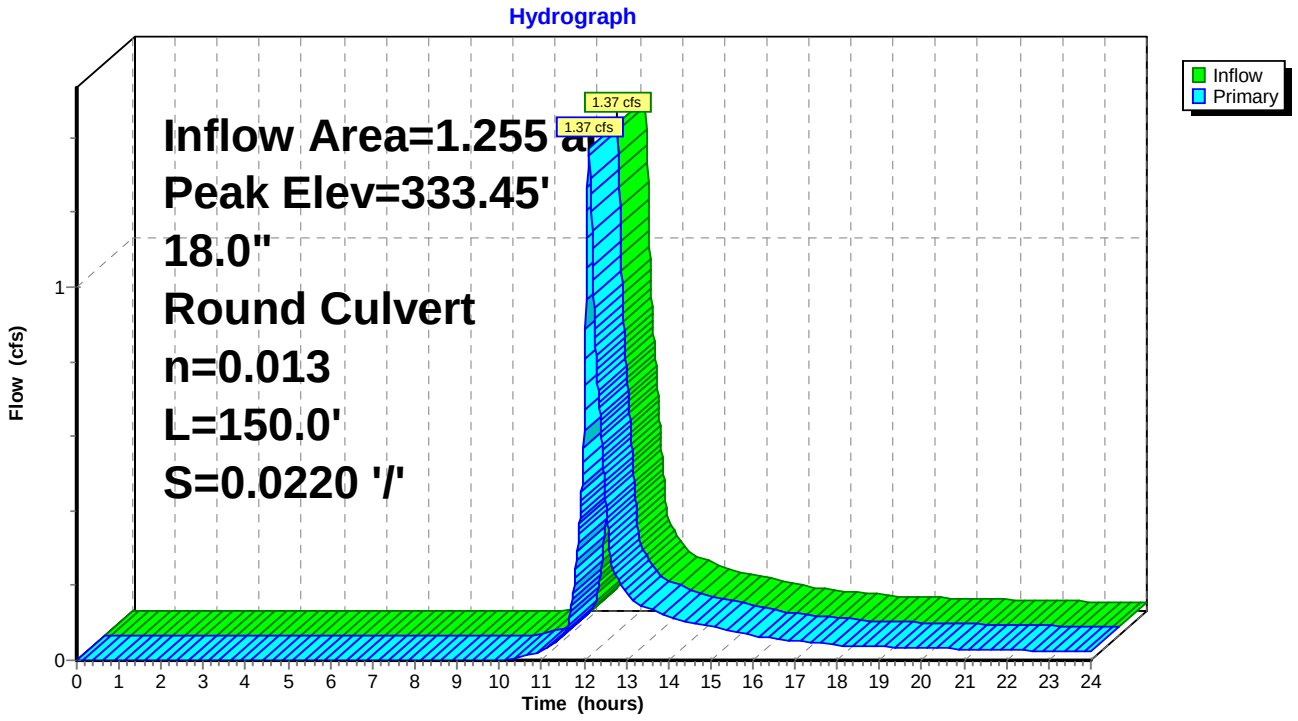
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af
Outflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.45' @ 12.13 hrs
Flood Elev= 335.75'

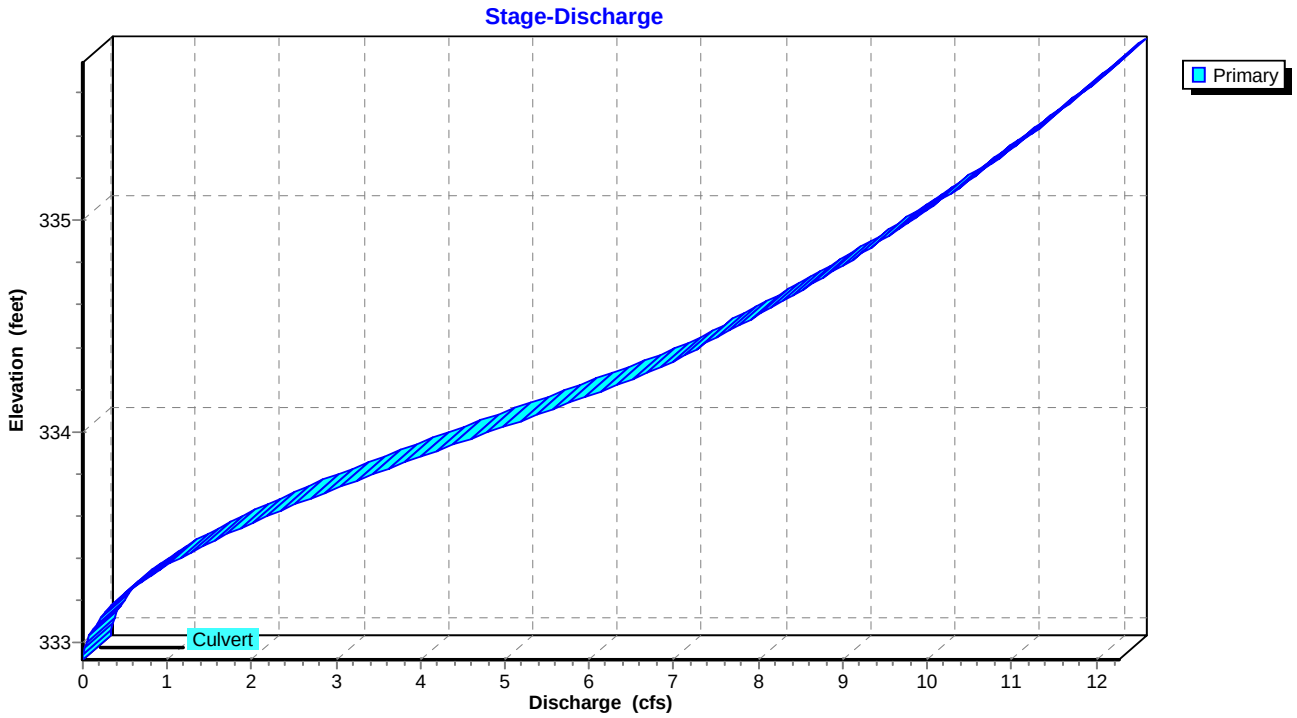
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.37 cfs @ 12.13 hrs HW=333.45' TW=330.02' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.37 cfs @ 2.47 fps)

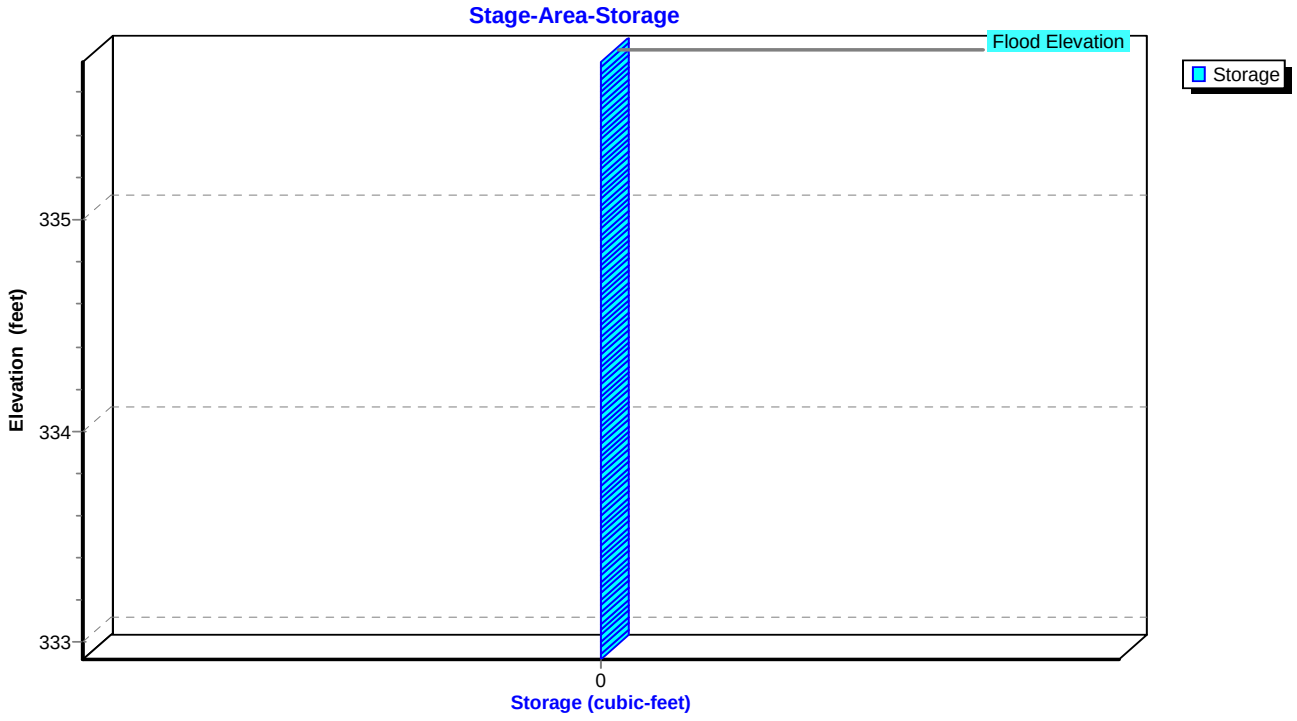
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.00	332.92	0.00
7.00	0.00	332.92	0.00
7.50	0.00	332.92	0.00
8.00	0.00	332.92	0.00
8.50	0.00	332.92	0.00
9.00	0.00	332.92	0.00
9.50	0.00	332.92	0.00
10.00	0.00	332.92	0.00
10.50	0.01	332.96	0.01
11.00	0.02	332.99	0.02
11.50	0.07	333.03	0.07
12.00	**0.62**	**333.27**	**0.62**
12.50	**0.46**	**333.22**	**0.46**
13.00	0.18	333.10	0.18
13.50	0.14	333.08	0.14
14.00	0.12	333.07	0.12
14.50	0.10	333.06	0.10
15.00	0.09	333.05	0.09
15.50	0.08	333.04	0.08
16.00	0.06	333.03	0.06
16.50	0.06	333.02	0.06
17.00	0.05	333.02	0.05
17.50	0.05	333.01	0.05
18.00	0.04	333.01	0.04
18.50	0.04	333.00	0.04
19.00	0.04	333.00	0.04
19.50	0.03	333.00	0.03
20.00	0.03	333.00	0.03
20.50	0.03	333.00	0.03
21.00	0.03	332.99	0.03
21.50	0.03	332.99	0.03
22.00	0.03	332.99	0.03
22.50	0.03	332.99	0.03
23.00	0.02	332.99	0.02
23.50	0.02	332.98	0.02
24.00	0.02	332.98	0.02

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

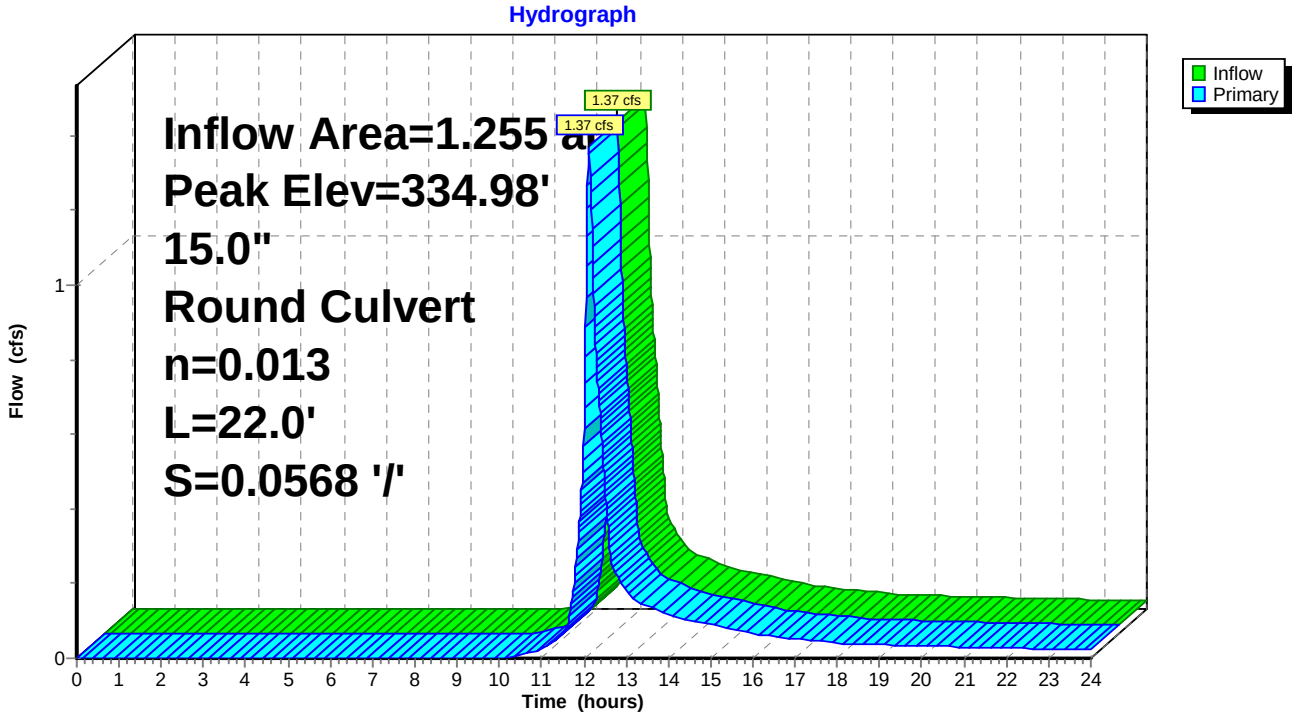
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.04" for 1-Year event
Inflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af
Outflow = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af, Atten= 0%, Lag= 0.0 min
Primary = 1.37 cfs @ 12.13 hrs, Volume= 0.109 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.98' @ 12.13 hrs
Flood Elev= 337.00'

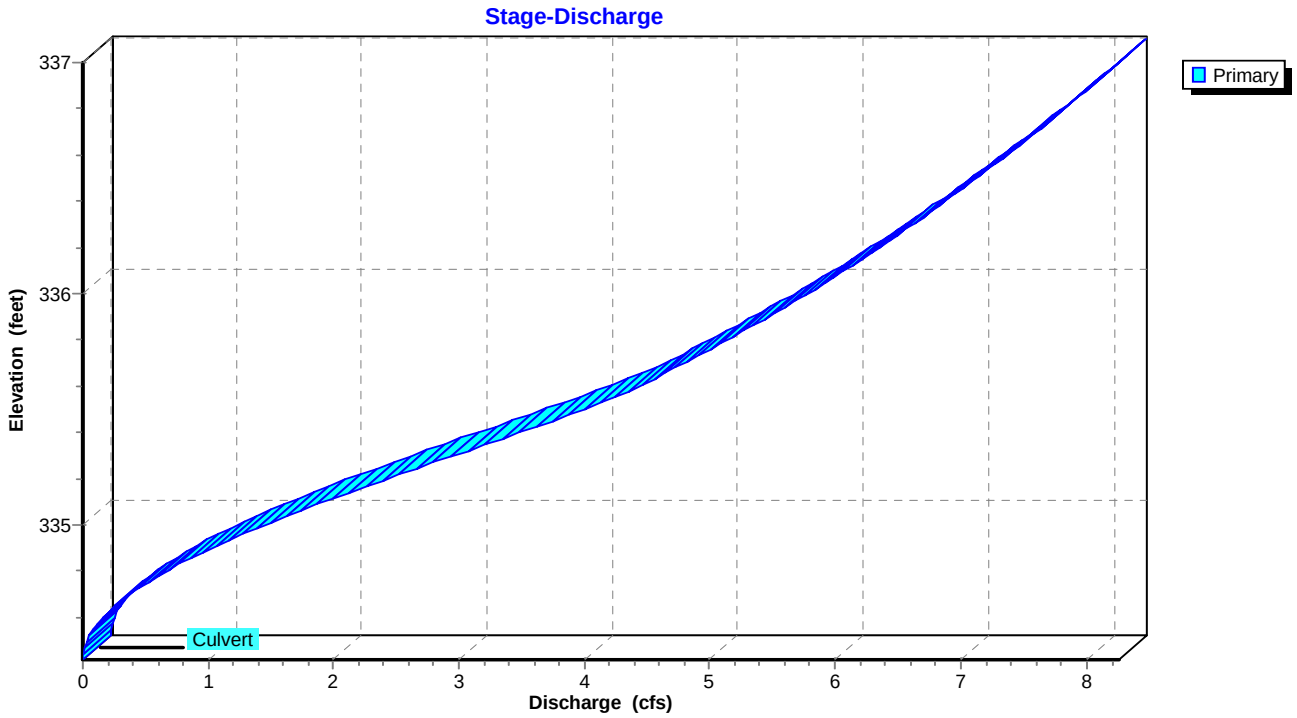
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.37 cfs @ 12.13 hrs HW=334.98' TW=333.45' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.37 cfs @ 2.55 fps)

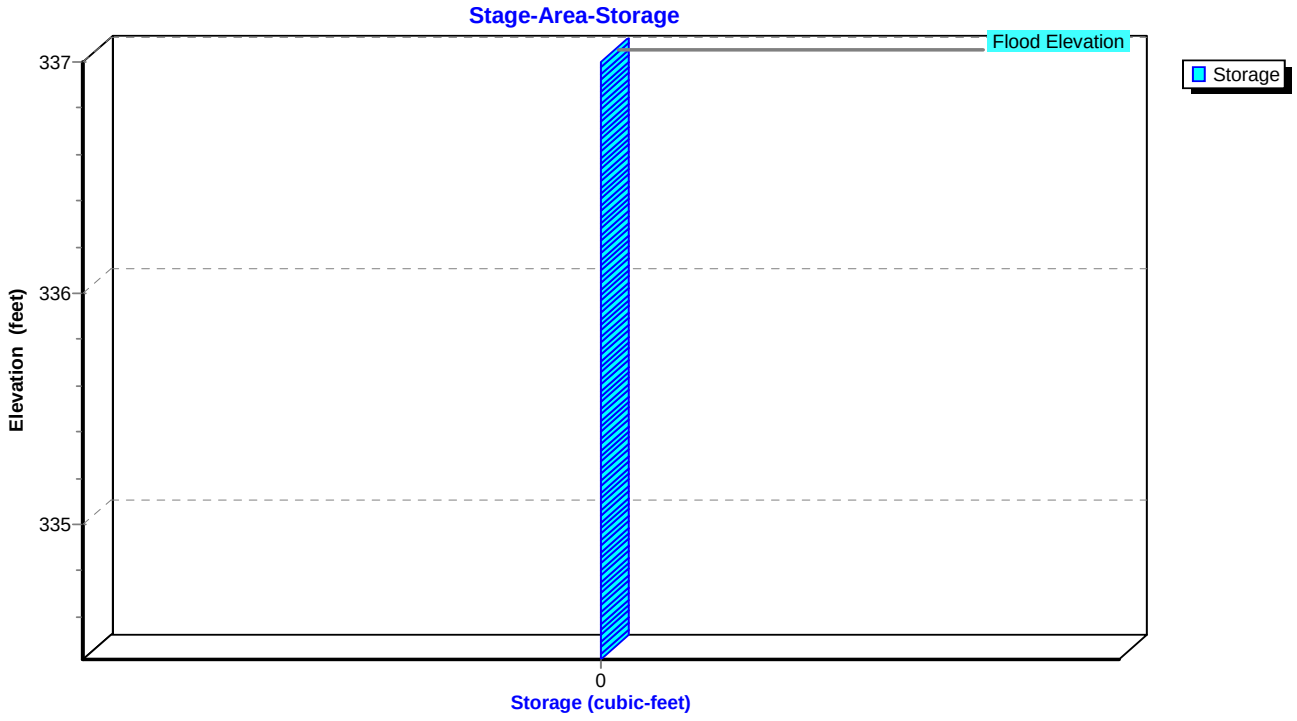
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.42	0.00
10.00	0.00	334.42	0.00
10.50	0.01	334.46	0.01
11.00	0.02	334.49	0.02
11.50	0.07	334.53	0.07
12.00	**0.62**	**334.79**	**0.62**
12.50	**0.46**	**334.74**	**0.46**
13.00	0.18	334.61	0.18
13.50	0.14	334.59	0.14
14.00	0.12	334.57	0.12
14.50	0.10	334.56	0.10
15.00	0.09	334.56	0.09
15.50	0.08	334.55	0.08
16.00	0.06	334.53	0.06
16.50	0.06	334.53	0.06
17.00	0.05	334.52	0.05
17.50	0.05	334.52	0.05
18.00	0.04	334.51	0.04
18.50	0.04	334.51	0.04
19.00	0.04	334.50	0.04
19.50	0.03	334.50	0.03
20.00	0.03	334.50	0.03
20.50	0.03	334.50	0.03
21.00	0.03	334.50	0.03
21.50	0.03	334.50	0.03
22.00	0.03	334.49	0.03
22.50	0.03	334.49	0.03
23.00	0.02	334.49	0.02
23.50	0.02	334.49	0.02
24.00	0.02	334.49	0.02

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

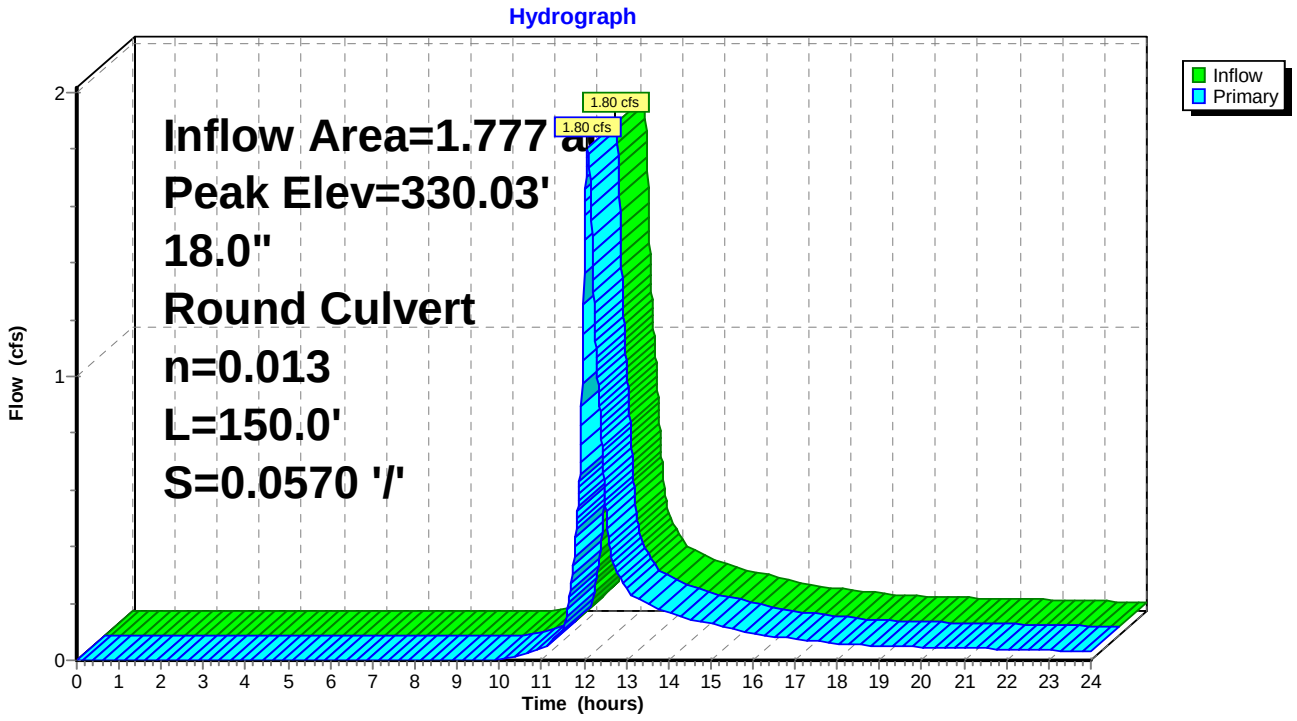
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 1.08" for 1-Year event
Inflow = 1.80 cfs @ 12.09 hrs, Volume= 0.160 af
Outflow = 1.80 cfs @ 12.09 hrs, Volume= 0.160 af, Atten= 0%, Lag= 0.0 min
Primary = 1.80 cfs @ 12.09 hrs, Volume= 0.160 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.03' @ 12.09 hrs
Flood Elev= 332.25'

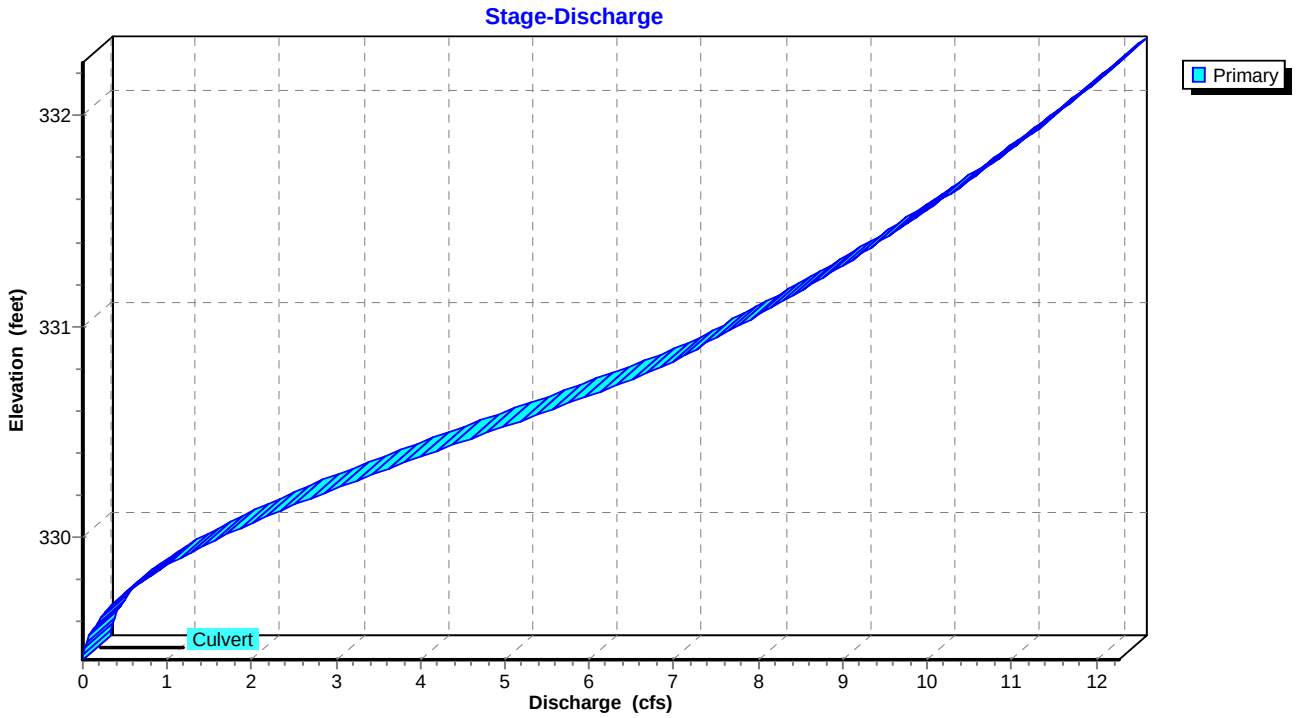
Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.80 cfs @ 12.09 hrs HW=330.03' TW=321.38' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.80 cfs @ 2.66 fps)

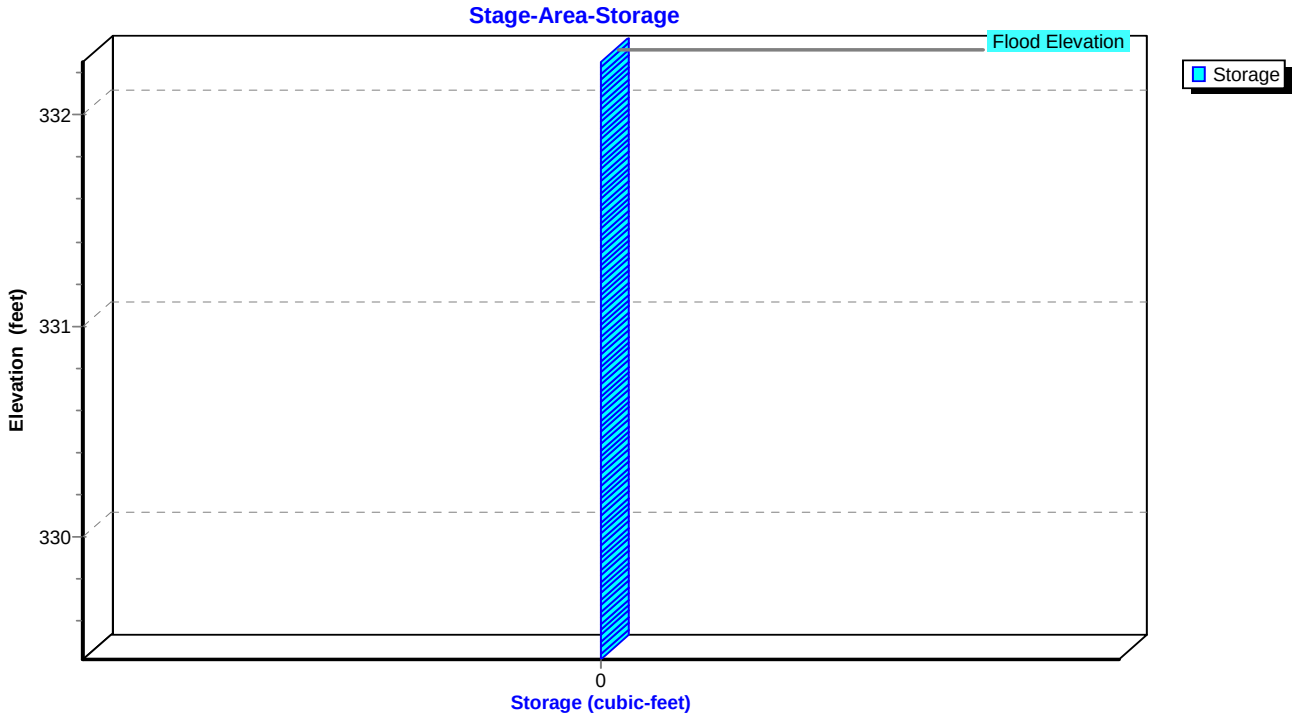
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.42	0.00
6.00	0.00	329.42	0.00
6.50	0.00	329.42	0.00
7.00	0.00	329.42	0.00
7.50	0.00	329.42	0.00
8.00	0.00	329.42	0.00
8.50	0.00	329.42	0.00
9.00	0.00	329.42	0.00
9.50	0.00	329.42	0.00
10.00	0.00	329.44	0.00
10.50	0.02	329.48	0.02
11.00	0.04	329.51	0.04
11.50	0.11	329.56	0.11
12.00	**1.37**	**329.95**	**1.37**
12.50	**0.59**	**329.76**	**0.59**
13.00	0.25	329.64	0.25
13.50	0.20	329.61	0.20
14.00	0.17	329.60	0.17
14.50	0.15	329.58	0.15
15.00	0.13	329.57	0.13
15.50	0.11	329.56	0.11
16.00	0.09	329.55	0.09
16.50	0.08	329.54	0.08
17.00	0.07	329.54	0.07
17.50	0.07	329.53	0.07
18.00	0.06	329.52	0.06
18.50	0.05	329.52	0.05
19.00	0.05	329.52	0.05
19.50	0.05	329.51	0.05
20.00	0.05	329.51	0.05
20.50	0.04	329.51	0.04
21.00	0.04	329.51	0.04
21.50	0.04	329.51	0.04
22.00	0.04	329.50	0.04
22.50	0.04	329.50	0.04
23.00	0.04	329.50	0.04
23.50	0.03	329.50	0.03
24.00	0.03	329.50	0.03

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

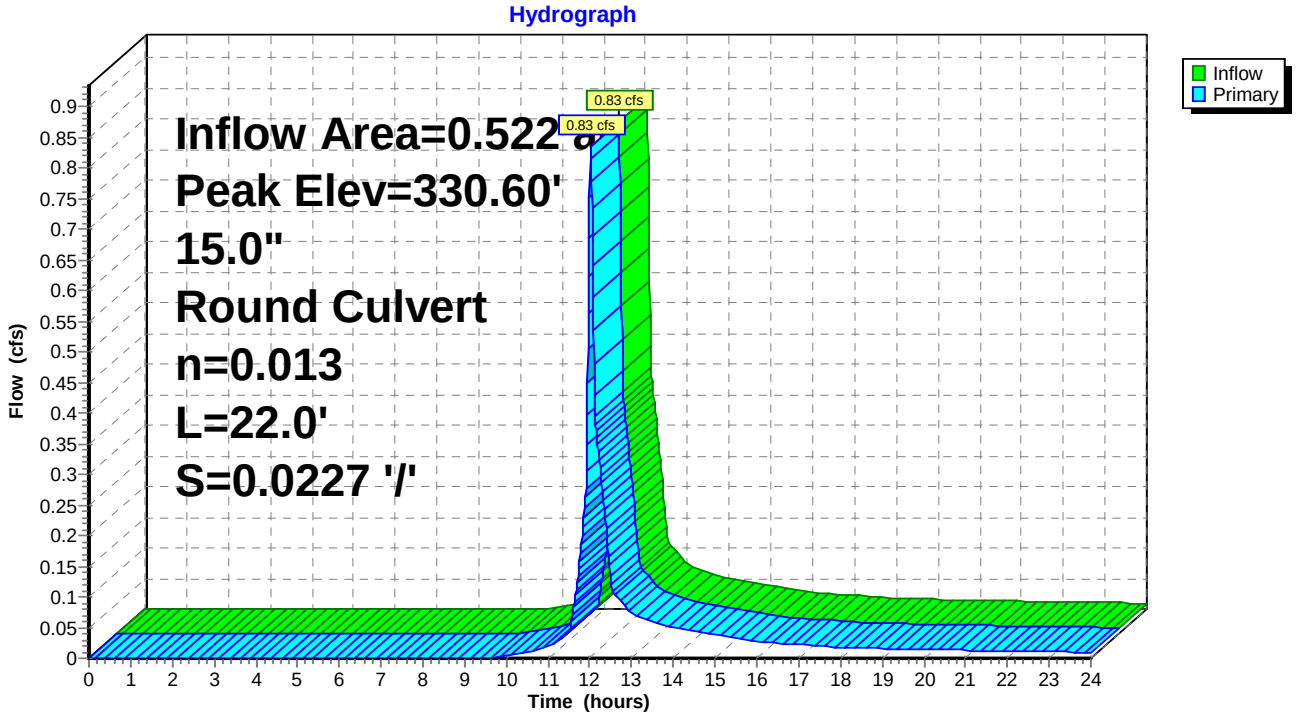
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.16" for 1-Year event
Inflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af
Outflow = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af, Atten= 0%, Lag= 0.0 min
Primary = 0.83 cfs @ 12.02 hrs, Volume= 0.051 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.60' @ 12.02 hrs
Flood Elev= 332.80'

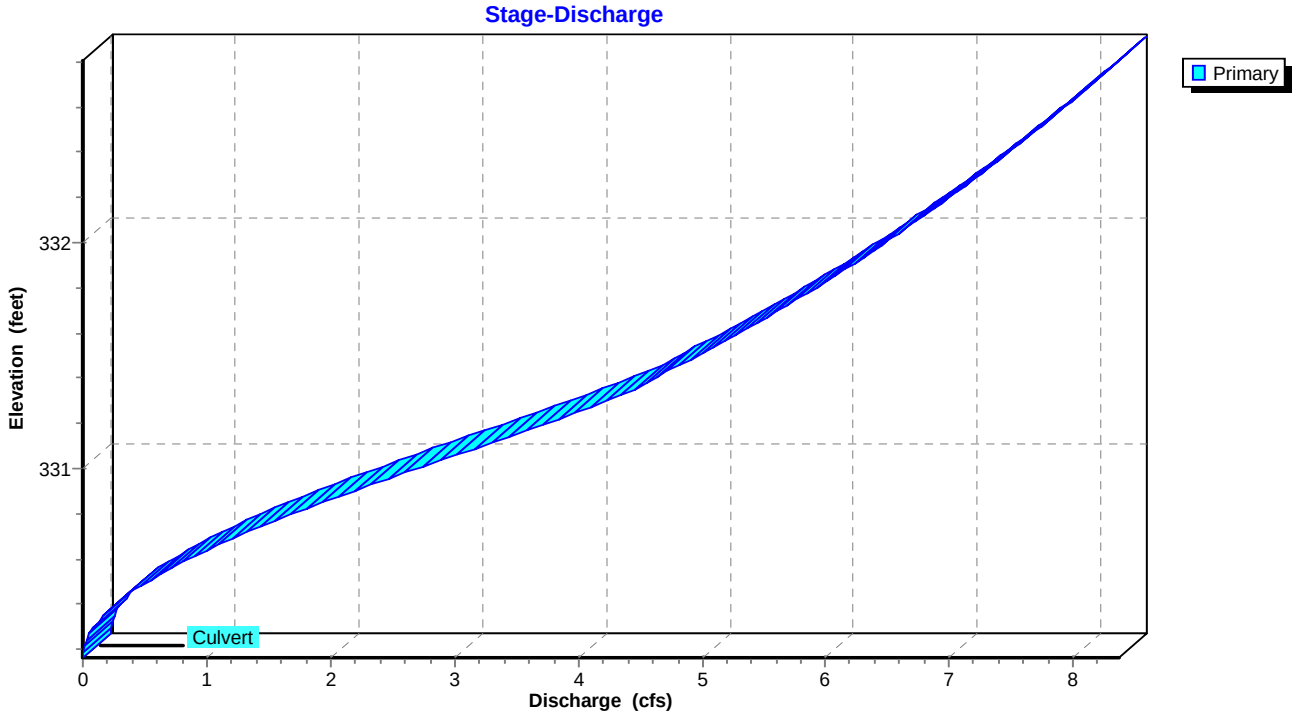
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.83 cfs @ 12.02 hrs HW=330.60' TW=329.99' (Dynamic Tailwater)
1=Culvert (Inlet Controls 0.83 cfs @ 2.23 fps)

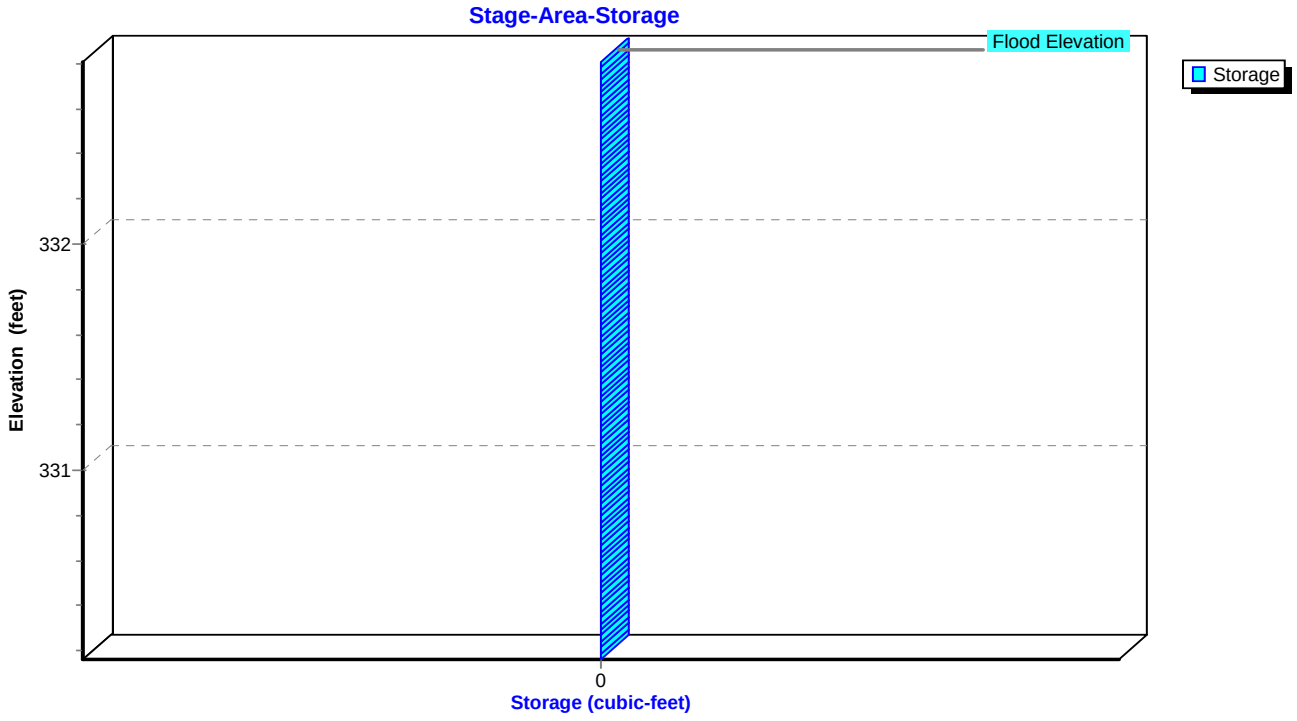
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.17	0.00
9.50	0.00	330.17	0.00
10.00	0.00	330.20	0.00
10.50	0.01	330.21	0.01
11.00	0.02	330.23	0.02
11.50	0.04	330.26	0.04
12.00	**0.75**	**330.58**	**0.75**
12.50	**0.12**	**330.33**	**0.12**
13.00	0.07	330.29	0.07
13.50	0.06	330.28	0.06
14.00	0.05	330.27	0.05
14.50	0.04	330.26	0.04
15.00	0.04	330.26	0.04
15.50	0.03	330.25	0.03
16.00	0.03	330.24	0.03
16.50	0.02	330.24	0.02
17.00	0.02	330.24	0.02
17.50	0.02	330.23	0.02
18.00	0.02	330.23	0.02
18.50	0.02	330.23	0.02
19.00	0.02	330.23	0.02
19.50	0.01	330.22	0.01
20.00	0.01	330.22	0.01
20.50	0.01	330.22	0.01
21.00	0.01	330.22	0.01
21.50	0.01	330.22	0.01
22.00	0.01	330.22	0.01
22.50	0.01	330.22	0.01
23.00	0.01	330.22	0.01
23.50	0.01	330.21	0.01
24.00	0.01	330.21	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

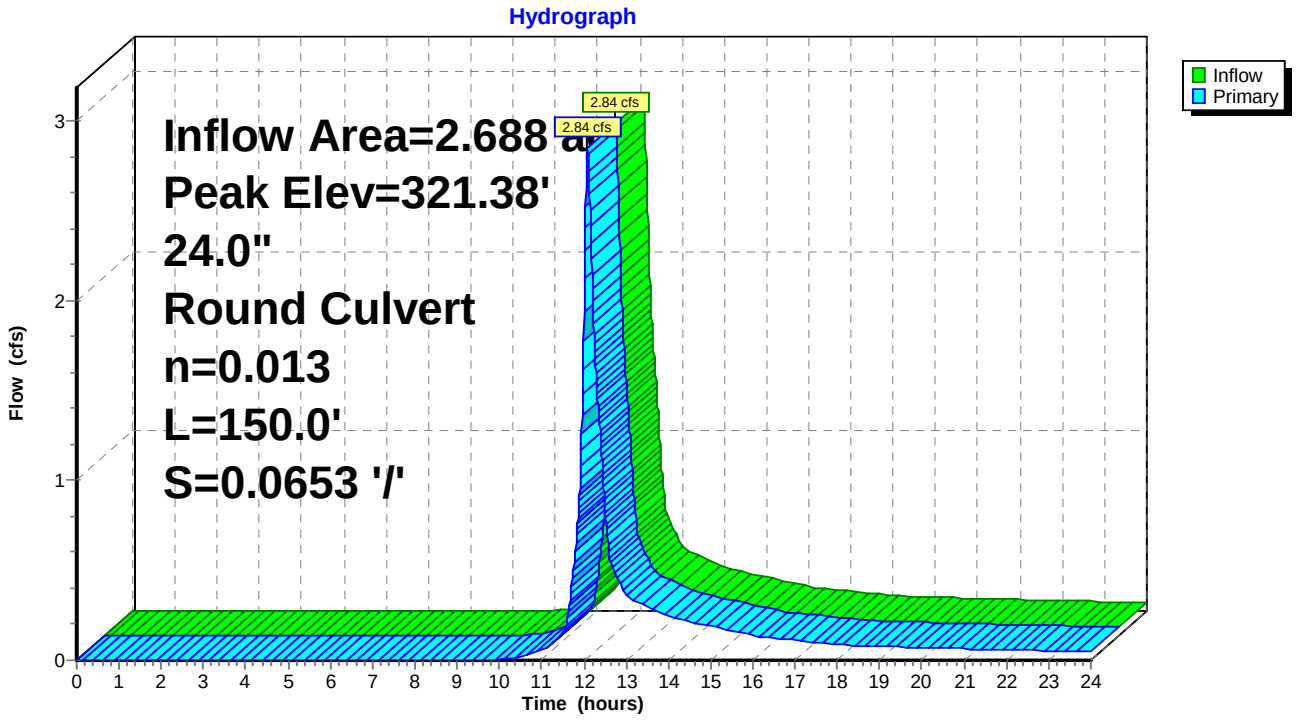
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 1.05" for 1-Year event
Inflow = 2.84 cfs @ 12.09 hrs, Volume= 0.234 af
Outflow = 2.84 cfs @ 12.09 hrs, Volume= 0.234 af, Atten= 0%, Lag= 0.0 min
Primary = 2.84 cfs @ 12.09 hrs, Volume= 0.234 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.38' @ 12.09 hrs
Flood Elev= 338.50'

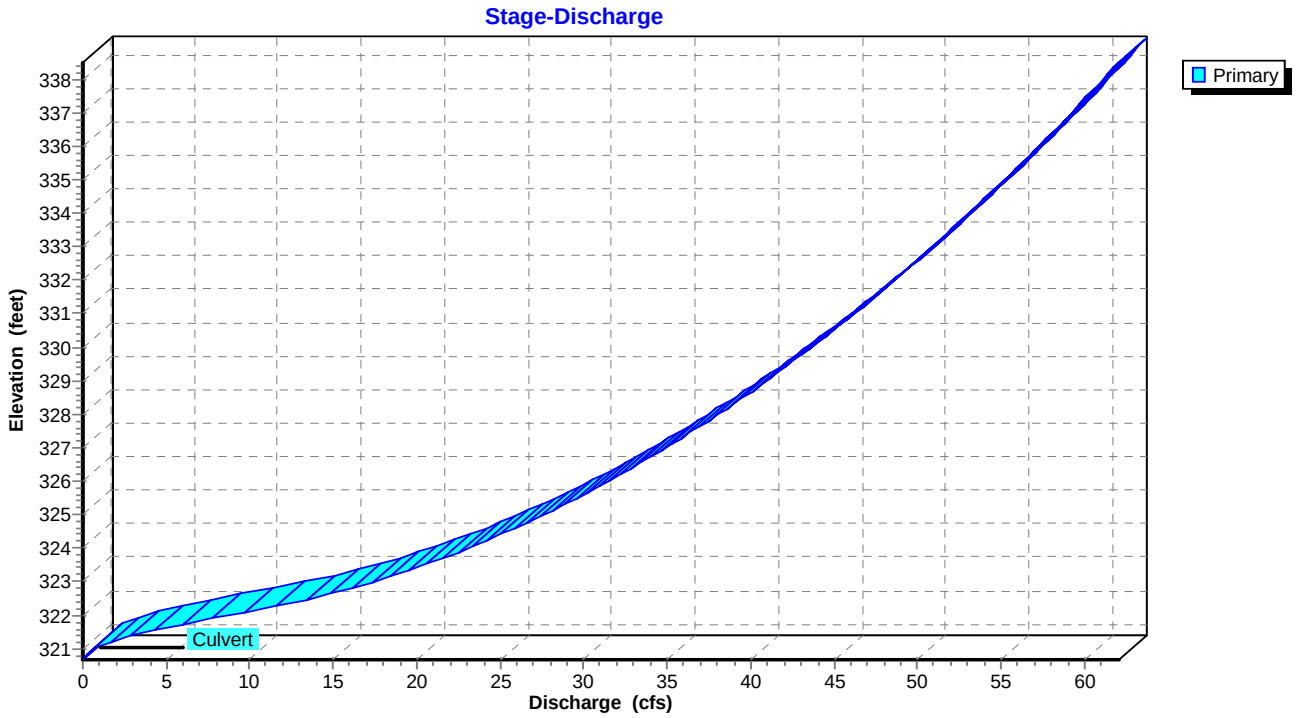
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=2.84 cfs @ 12.09 hrs HW=321.38' TW=311.47' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.84 cfs @ 2.86 fps)

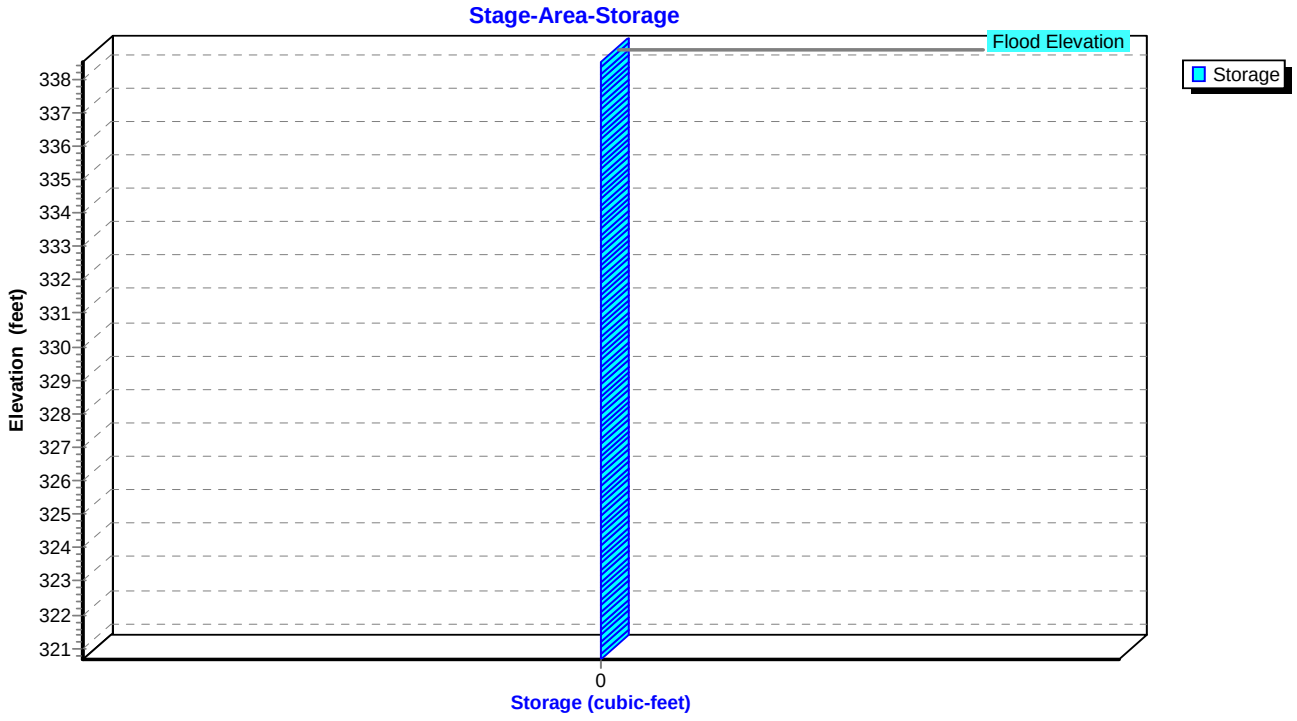
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.67	0.00
6.00	0.00	320.67	0.00
6.50	0.00	320.67	0.00
7.00	0.00	320.67	0.00
7.50	0.00	320.67	0.00
8.00	0.00	320.67	0.00
8.50	0.00	320.67	0.00
9.00	0.00	320.67	0.00
9.50	0.00	320.67	0.00
10.00	0.00	320.69	0.00
10.50	0.02	320.73	0.02
11.00	0.06	320.77	0.06
11.50	0.15	320.83	0.15
12.00	**1.94**	**321.25**	**1.94**
12.50	**0.86**	**321.05**	**0.86**
13.00	0.37	320.92	0.37
13.50	0.30	320.89	0.30
14.00	0.25	320.87	0.25
14.50	0.22	320.86	0.22
15.00	0.19	320.84	0.19
15.50	0.16	320.83	0.16
16.00	0.14	320.82	0.14
16.50	0.12	320.81	0.12
17.00	0.11	320.80	0.11
17.50	0.10	320.79	0.10
18.00	0.09	320.79	0.09
18.50	0.08	320.78	0.08
19.00	0.08	320.78	0.08
19.50	0.07	320.78	0.07
20.00	0.07	320.77	0.07
20.50	0.07	320.77	0.07
21.00	0.06	320.77	0.06
21.50	0.06	320.77	0.06
22.00	0.06	320.77	0.06
22.50	0.06	320.76	0.06
23.00	0.05	320.76	0.05
23.50	0.05	320.76	0.05
24.00	0.05	320.76	0.05

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

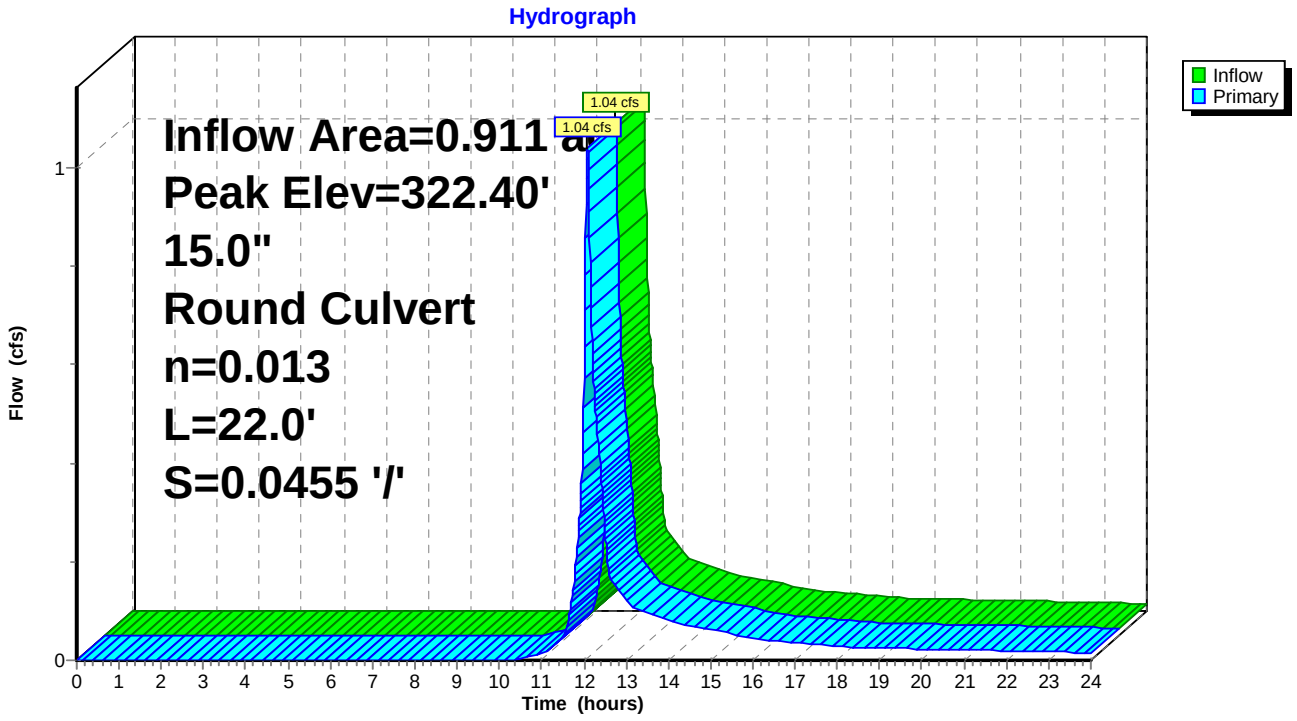
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 0.99" for 1-Year event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 0.075 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.40' @ 12.09 hrs
Flood Elev= 324.50'

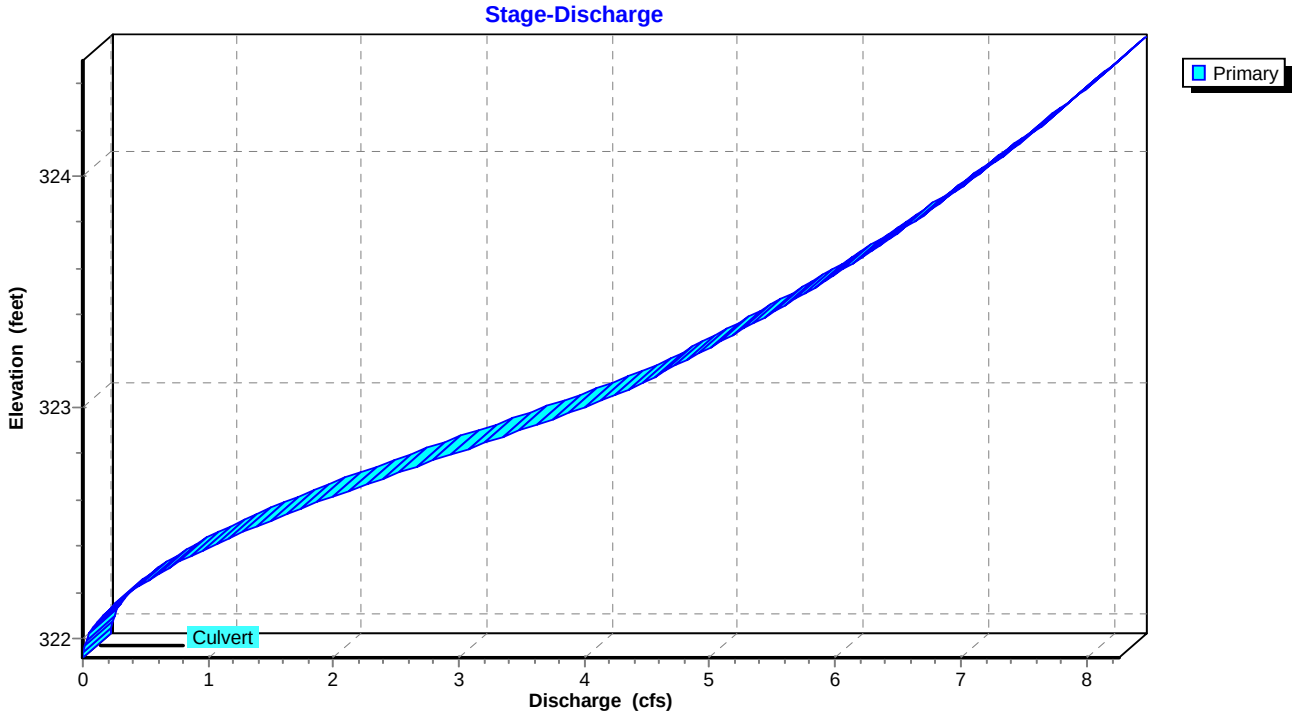
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.04 cfs @ 12.09 hrs HW=322.40' TW=321.38' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.04 cfs @ 2.37 fps)

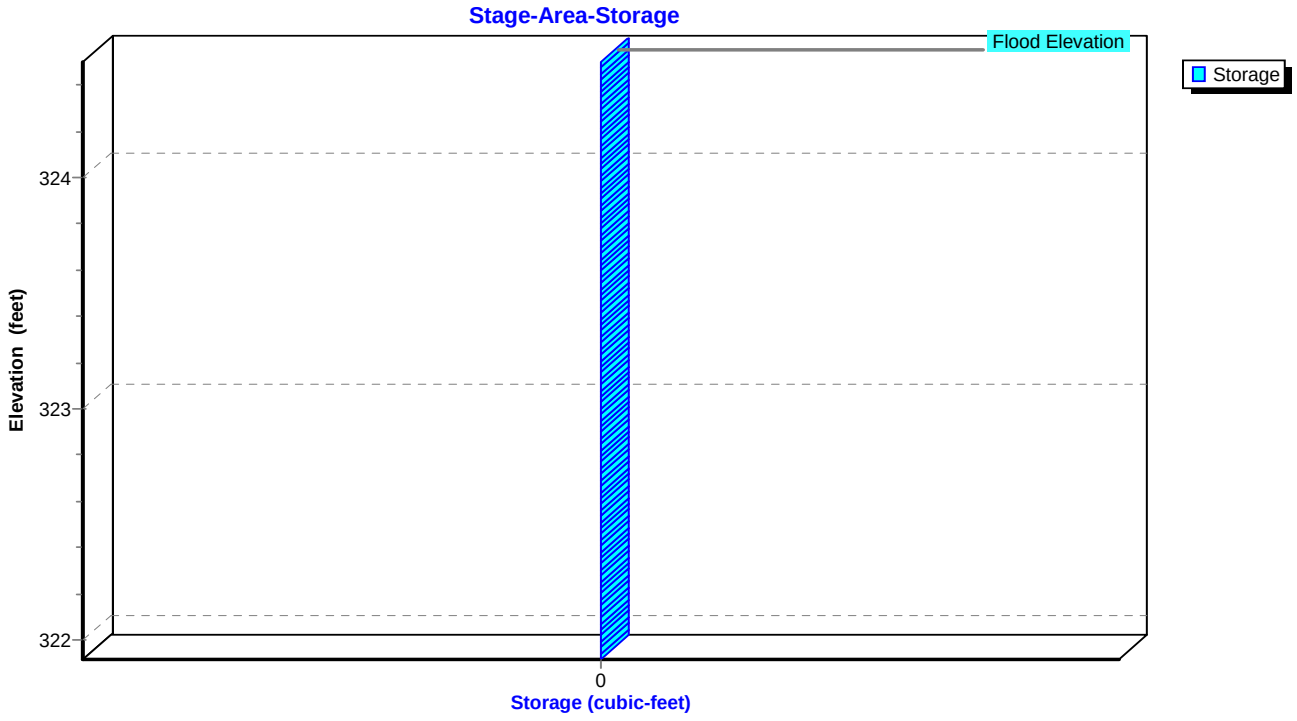
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.92	0.00
10.00	0.00	321.92	0.00
10.50	0.00	321.94	0.00
11.00	0.01	321.97	0.01
11.50	0.04	322.01	0.04
12.00	**0.57**	**322.27**	**0.57**
12.50	**0.27**	**322.16**	**0.27**
13.00	0.12	322.08	0.12
13.50	0.10	322.06	0.10
14.00	0.08	322.05	0.08
14.50	0.07	322.04	0.07
15.00	0.06	322.03	0.06
15.50	0.05	322.02	0.05
16.00	0.04	322.01	0.04
16.50	0.04	322.01	0.04
17.00	0.04	322.01	0.04
17.50	0.03	322.00	0.03
18.00	0.03	321.99	0.03
18.50	0.03	321.99	0.03
19.00	0.03	321.99	0.03
19.50	0.02	321.99	0.02
20.00	0.02	321.99	0.02
20.50	0.02	321.99	0.02
21.00	0.02	321.98	0.02
21.50	0.02	321.98	0.02
22.00	0.02	321.98	0.02
22.50	0.02	321.98	0.02
23.00	0.02	321.98	0.02
23.50	0.02	321.98	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.70' Inflow=2.76 cfs 0.324 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=2.76 cfs 0.324 af

Pond CB10: Catchbasin Peak Elev=311.69' Inflow=5.50 cfs 0.445 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=5.50 cfs 0.445 af

Pond CB10-1: CB1-1 Peak Elev=312.52' Inflow=1.56 cfs 0.093 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.56 cfs 0.093 af

Pond CB11: Catchbasin Peak Elev=301.05' Inflow=5.50 cfs 0.445 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=5.50 cfs 0.445 af

Pond CB11-1: CB1-1 Peak Elev=300.16' Inflow=6.33 cfs 0.532 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=6.33 cfs 0.532 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=299.10' Inflow=8.39 cfs 0.702 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=8.39 cfs 0.702 af

Pond CB13: Catchbasin Peak Elev=294.35' Inflow=9.48 cfs 0.814 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=9.48 cfs 0.814 af

Pond CB13-1: CB1-1 Peak Elev=295.85' Inflow=9.48 cfs 0.814 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=9.48 cfs 0.814 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=343.76' Inflow=5.75 cfs 0.648 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=5.75 cfs 0.648 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=340.90' Inflow=7.11 cfs 0.796 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=7.11 cfs 0.796 af

Pond CB4: Catchbasin Peak Elev=334.64' Inflow=9.40 cfs 1.077 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=9.40 cfs 1.077 af

Pond CB4-1: CB1-1 Peak Elev=335.58' Inflow=9.40 cfs 1.077 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=9.40 cfs 1.077 af

Pond CB5: Catchbasin Peak Elev=331.31' Inflow=11.49 cfs 1.295 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=11.49 cfs 1.295 af

Pond CB5-1: CB1-1 Peak Elev=334.30' Inflow=0.66 cfs 0.040 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=0.66 cfs 0.040 af

Pond CB6: Catchbasin Peak Elev=334.11' Inflow=1.96 cfs 0.178 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=1.96 cfs 0.178 af

Pond CB6-1: CB1-1 Peak Elev=336.61' Inflow=1.96 cfs 0.178 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=1.96 cfs 0.178 af

Pond CB7: Catchbasin Peak Elev=333.59' Inflow=2.10 cfs 0.163 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=2.10 cfs 0.163 af

Pond CB7-1: CB1-1 Peak Elev=335.14' Inflow=2.10 cfs 0.163 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=2.10 cfs 0.163 af

Pond CB8: Catchbasin Peak Elev=330.19' Inflow=2.75 cfs 0.238 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=2.75 cfs 0.238 af

Pond CB8-1: CB1-1 Peak Elev=330.70' Inflow=1.24 cfs 0.074 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.24 cfs 0.074 af

Pond CB9: Catchbasin Peak Elev=321.56' Inflow=4.36 cfs 0.351 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=4.36 cfs 0.351 af

Pond CB9-1: CB1-1 Peak Elev=322.54' Inflow=1.61 cfs 0.114 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=1.61 cfs 0.114 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

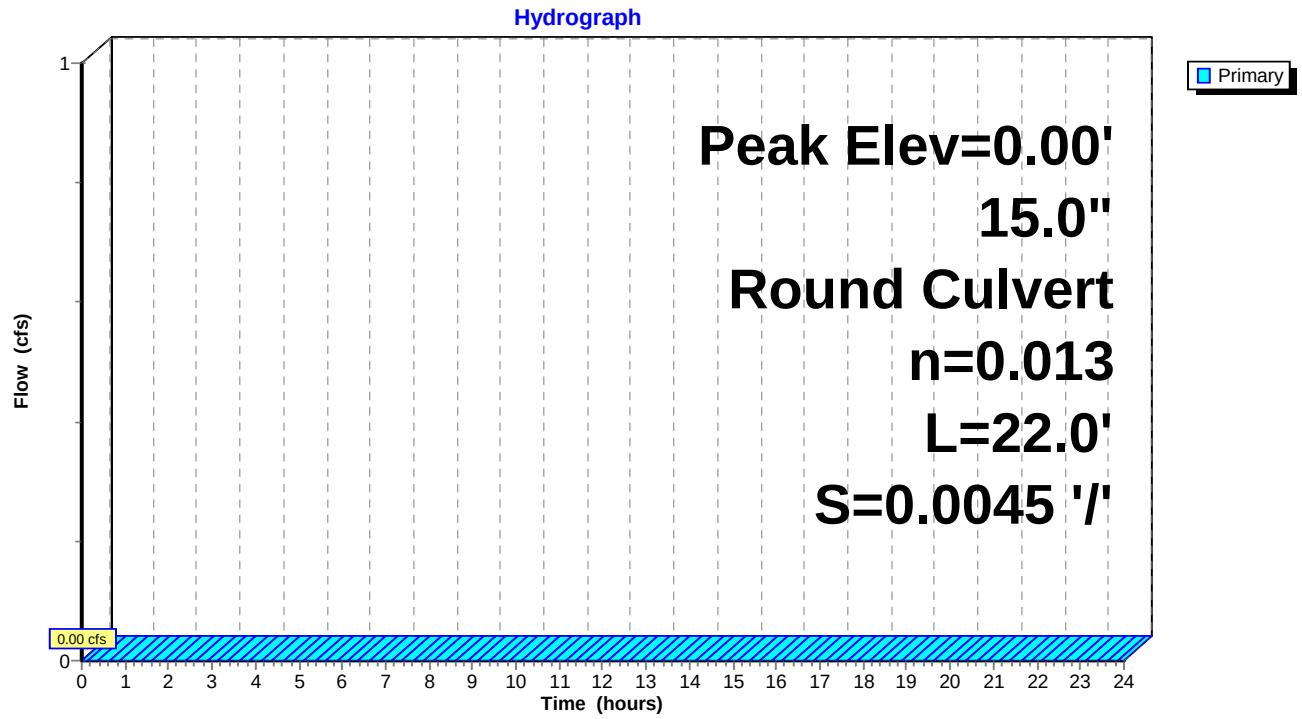
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

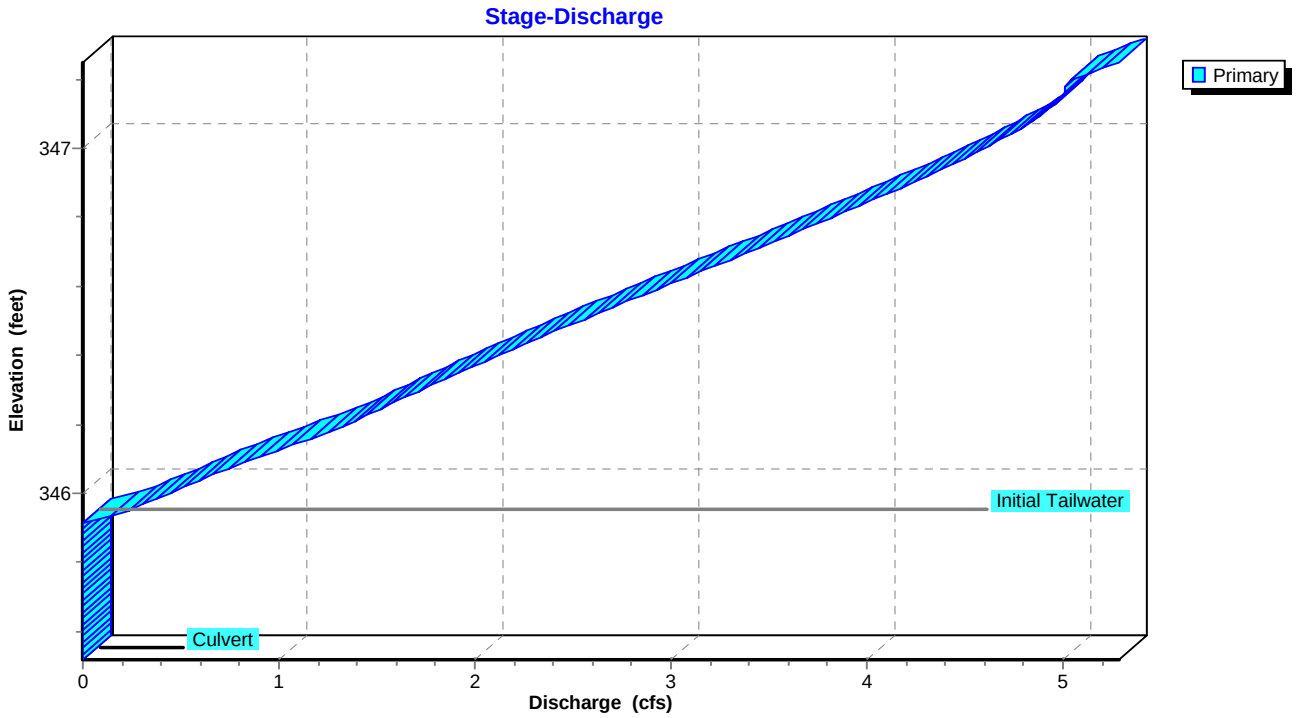
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

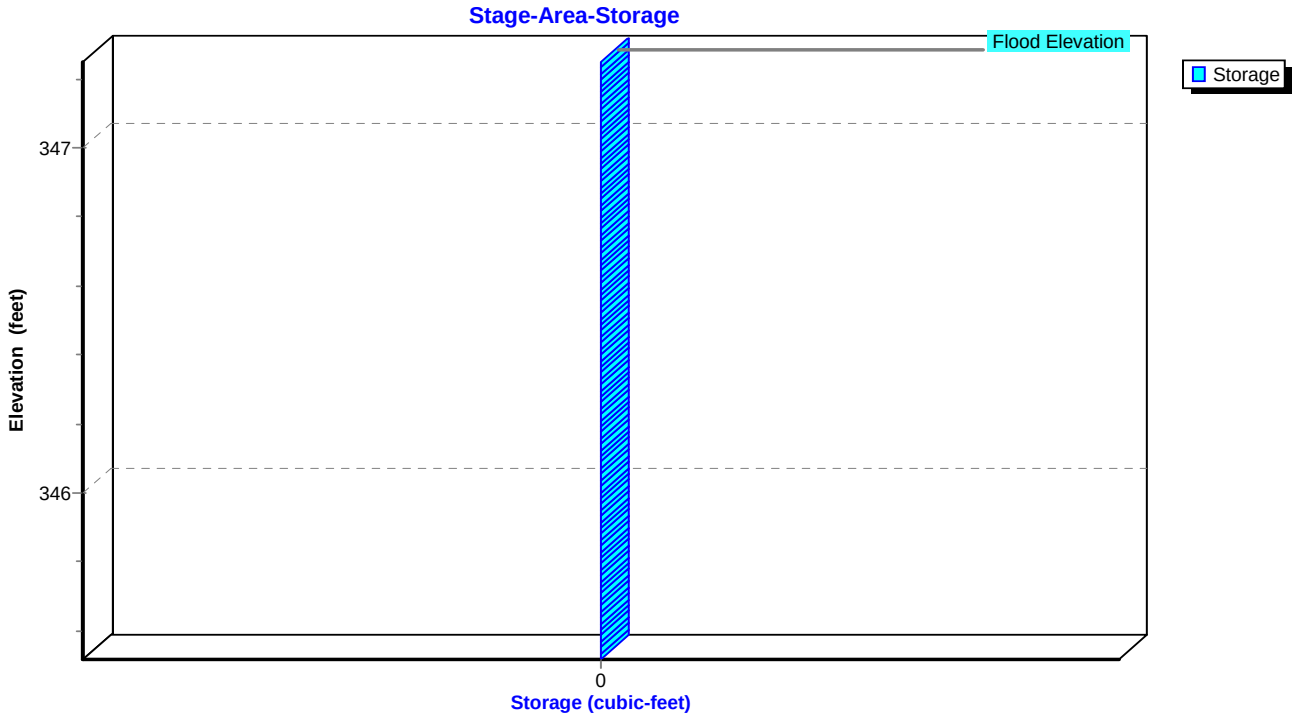
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

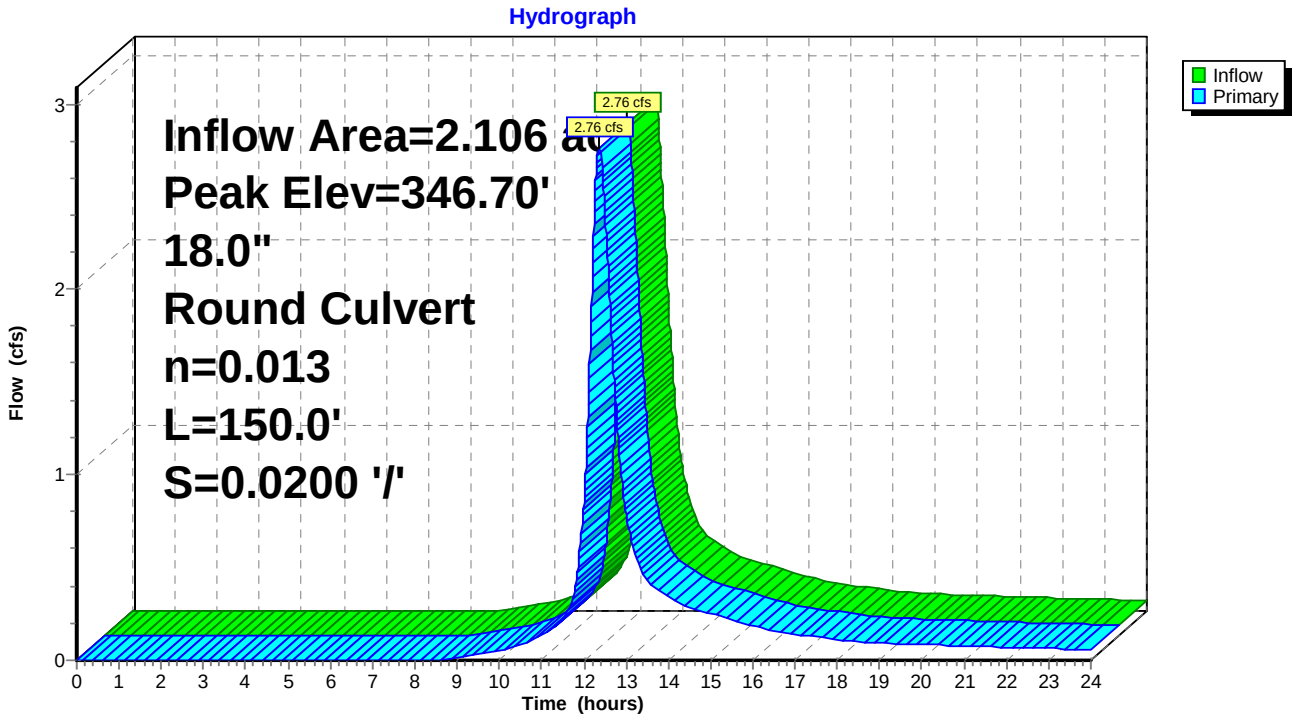
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 1.85" for 2-Year event
Inflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af
Outflow = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af, Atten= 0%, Lag= 0.0 min
Primary = 2.76 cfs @ 12.36 hrs, Volume= 0.324 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.70' @ 12.36 hrs
Flood Elev= 348.80'

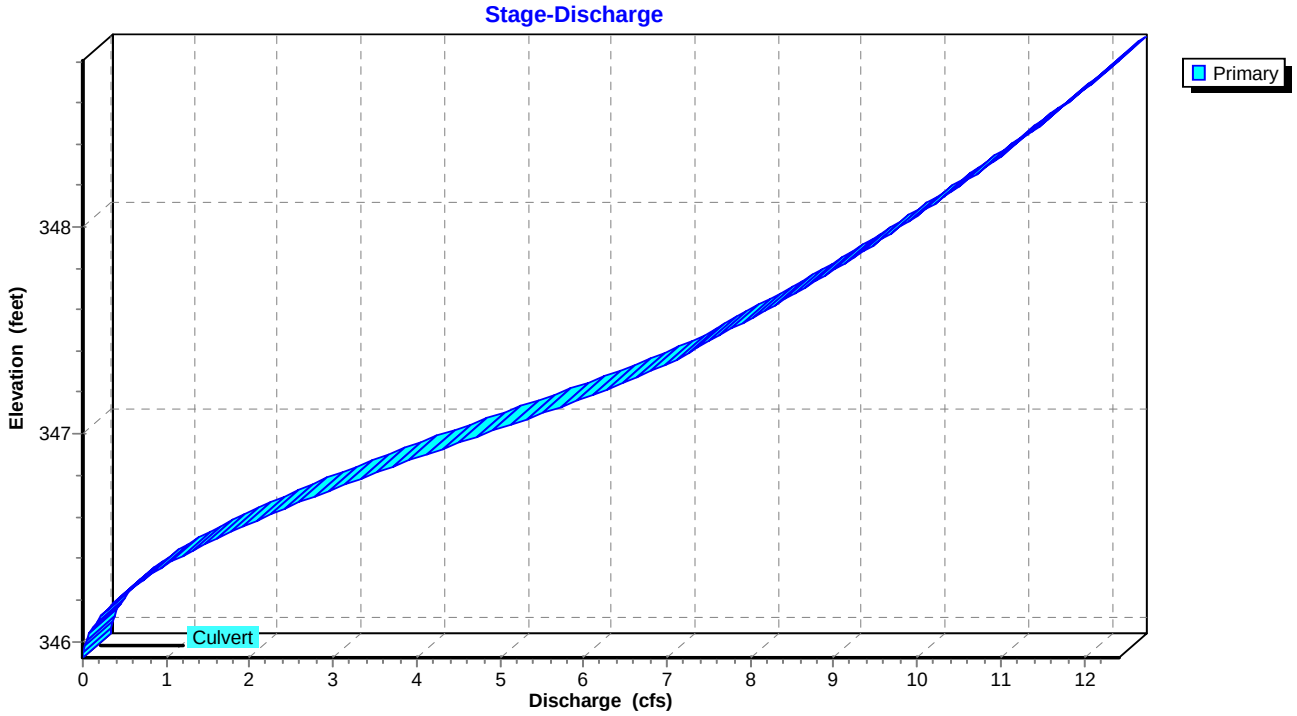
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=2.76 cfs @ 12.36 hrs HW=346.69' TW=343.74' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.76 cfs @ 3.00 fps)

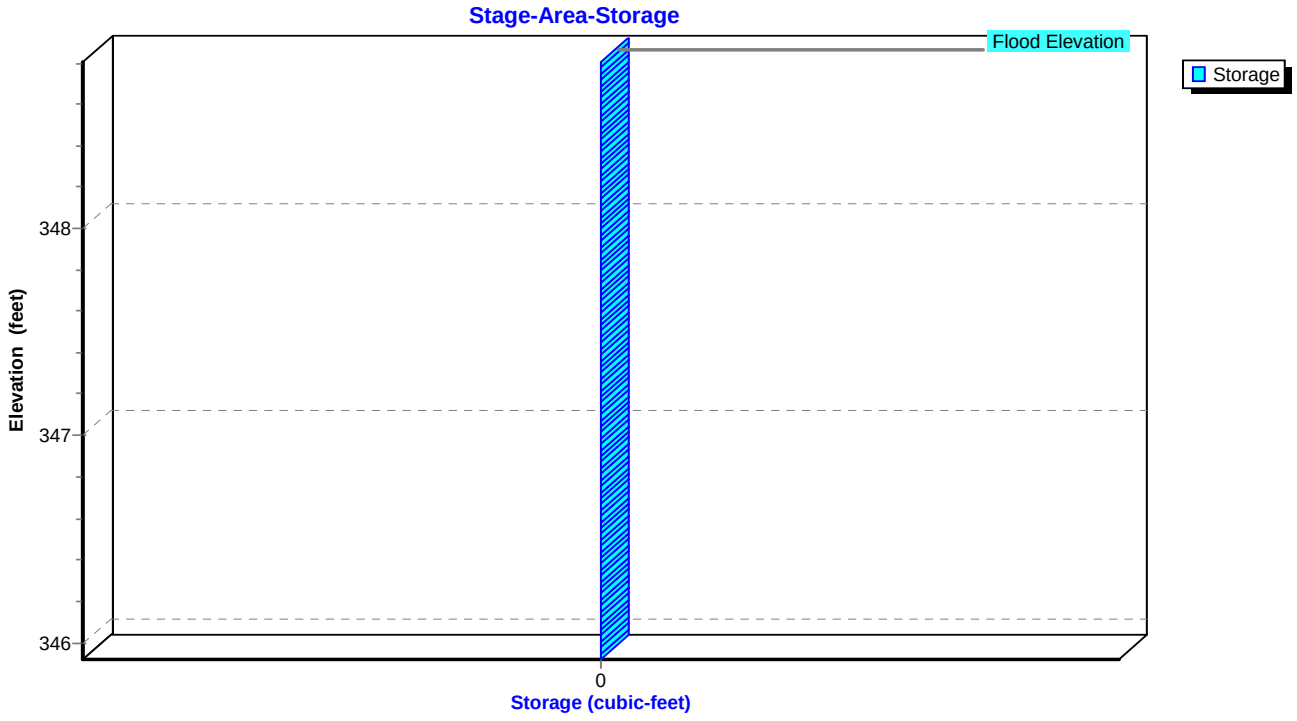
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.00	345.92	0.00
6.00	0.00	345.92	0.00
6.50	0.00	345.92	0.00
7.00	0.00	345.92	0.00
7.50	0.00	345.92	0.00
8.00	0.00	345.92	0.00
8.50	0.00	345.94	0.00
9.00	0.01	345.97	0.01
9.50	0.03	345.99	0.03
10.00	0.05	346.02	0.05
10.50	0.09	346.05	0.09
11.00	0.13	346.08	0.13
11.50	0.22	346.12	0.22
12.00	**0.85**	**346.33**	**0.85**
12.50	**2.43**	**346.64**	**2.43**
13.00	0.79	346.31	0.79
13.50	0.43	346.21	0.43
14.00	0.34	346.17	0.34
14.50	0.28	346.15	0.28
15.00	0.25	346.14	0.25
15.50	0.22	346.12	0.22
16.00	0.18	346.11	0.18
16.50	0.16	346.09	0.16
17.00	0.14	346.08	0.14
17.50	0.12	346.07	0.12
18.00	0.11	346.06	0.11
18.50	0.10	346.05	0.10
19.00	0.09	346.05	0.09
19.50	0.09	346.05	0.09
20.00	0.08	346.04	0.08
20.50	0.08	346.04	0.08
21.00	0.08	346.04	0.08
21.50	0.07	346.04	0.07
22.00	0.07	346.03	0.07
22.50	0.07	346.03	0.07
23.00	0.06	346.03	0.06
23.50	0.06	346.02	0.06
24.00	0.06	346.02	0.06

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

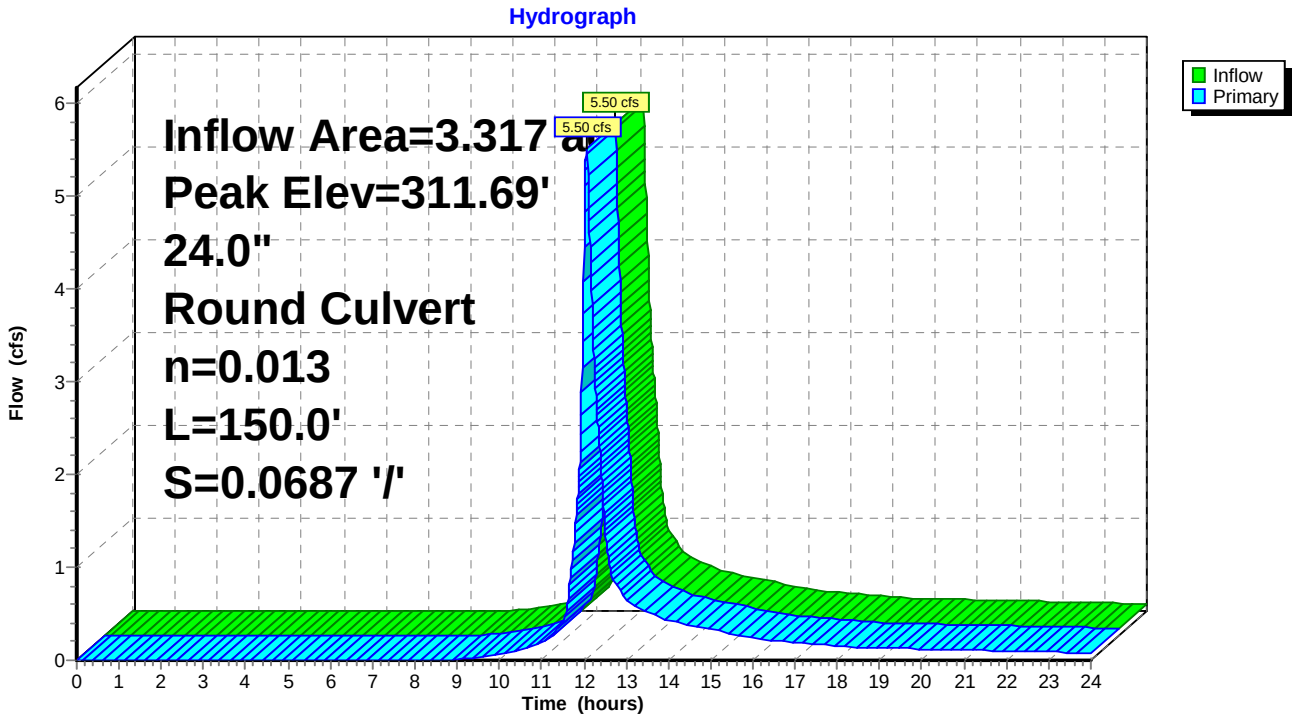
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 1.61" for 2-Year event
Inflow = 5.50 cfs @ 12.07 hrs, Volume= 0.445 af
Outflow = 5.50 cfs @ 12.07 hrs, Volume= 0.445 af, Atten= 0%, Lag= 0.0 min
Primary = 5.50 cfs @ 12.07 hrs, Volume= 0.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.69' @ 12.07 hrs
Flood Elev= 313.50'

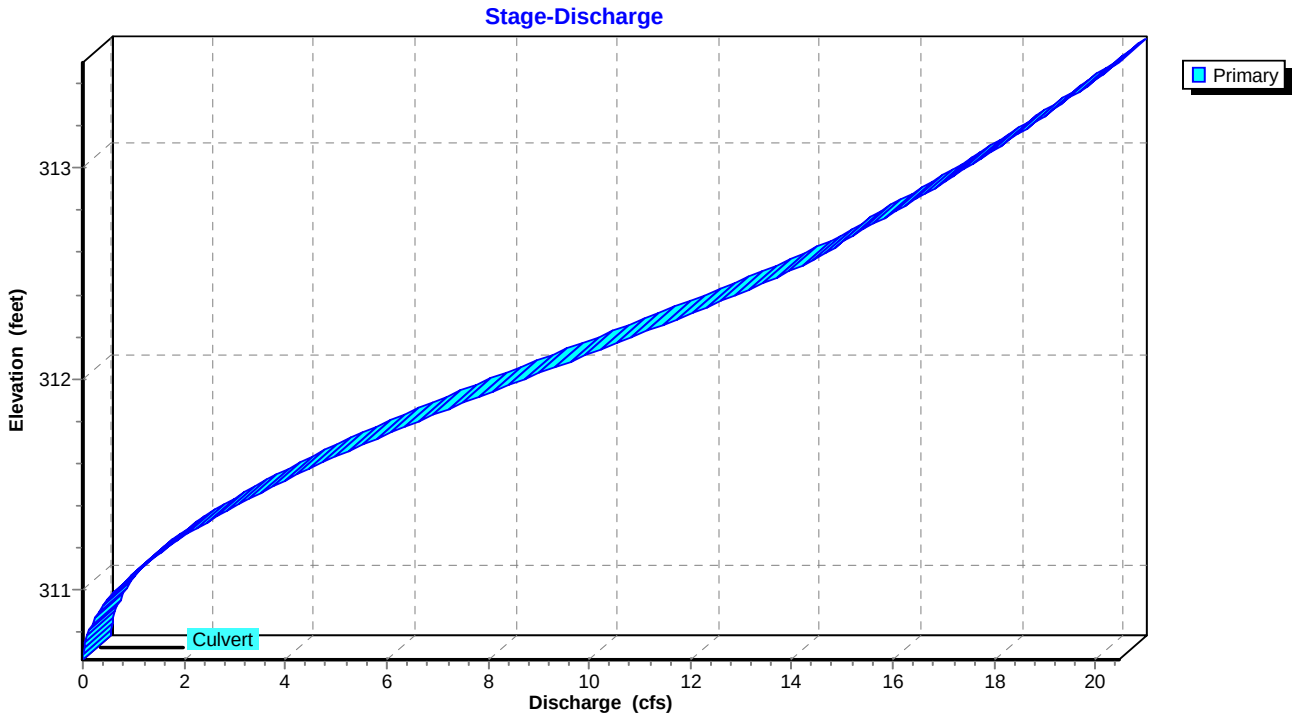
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.50 cfs @ 12.07 hrs HW=311.69' TW=301.05' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.50 cfs @ 3.43 fps)

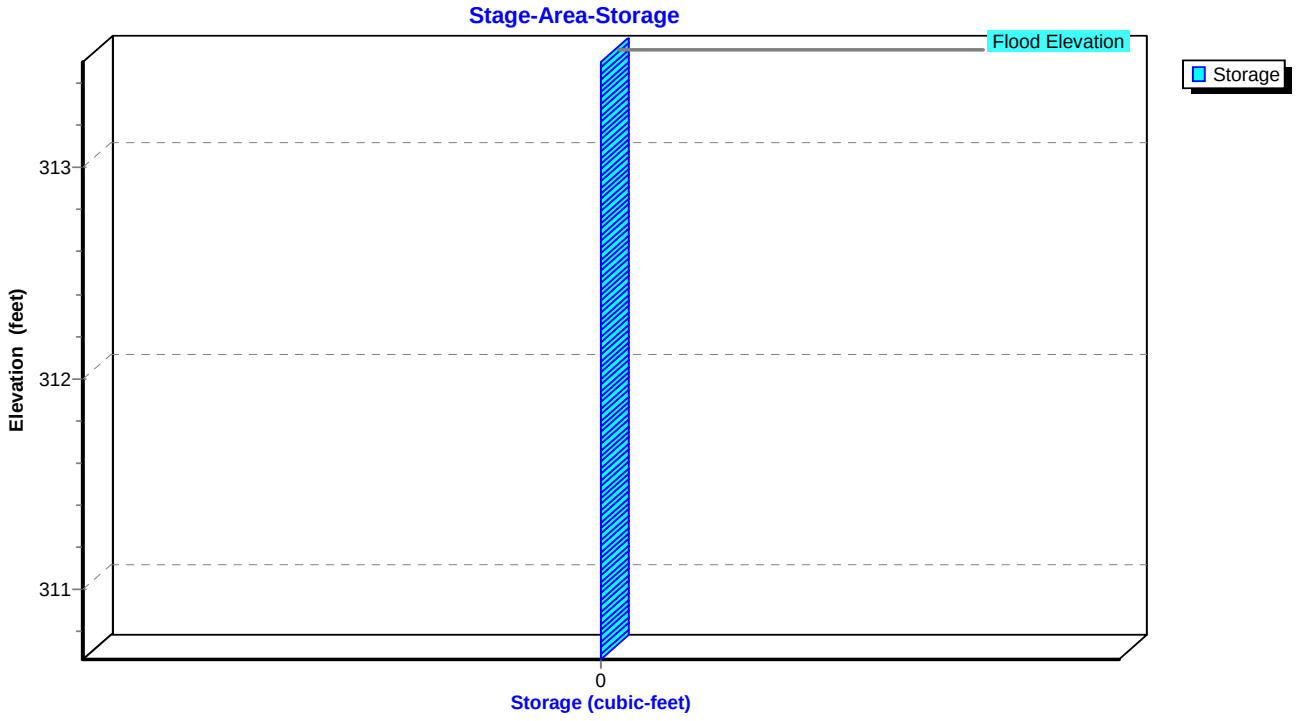
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.67	0.00
6.00	0.00	310.67	0.00
6.50	0.00	310.67	0.00
7.00	0.00	310.67	0.00
7.50	0.00	310.67	0.00
8.00	0.00	310.67	0.00
8.50	0.00	310.68	0.00
9.00	0.01	310.70	0.01
9.50	0.02	310.73	0.02
10.00	0.06	310.76	0.06
10.50	0.11	310.80	0.11
11.00	0.19	310.84	0.19
11.50	0.40	310.92	0.40
12.00	**4.45**	**311.57**	**4.45**
12.50	**1.46**	**311.17**	**1.46**
13.00	0.65	311.00	0.65
13.50	0.52	310.96	0.52
14.00	0.43	310.93	0.43
14.50	0.38	310.92	0.38
15.00	0.33	310.90	0.33
15.50	0.29	310.88	0.29
16.00	0.24	310.86	0.24
16.50	0.21	310.85	0.21
17.00	0.19	310.84	0.19
17.50	0.17	310.83	0.17
18.00	0.15	310.82	0.15
18.50	0.14	310.82	0.14
19.00	0.13	310.81	0.13
19.50	0.13	310.81	0.13
20.00	0.12	310.81	0.12
20.50	0.11	310.80	0.11
21.00	0.11	310.80	0.11
21.50	0.10	310.80	0.10
22.00	0.10	310.80	0.10
22.50	0.09	310.79	0.09
23.00	0.09	310.79	0.09
23.50	0.08	310.79	0.08
24.00	0.08	310.78	0.08

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

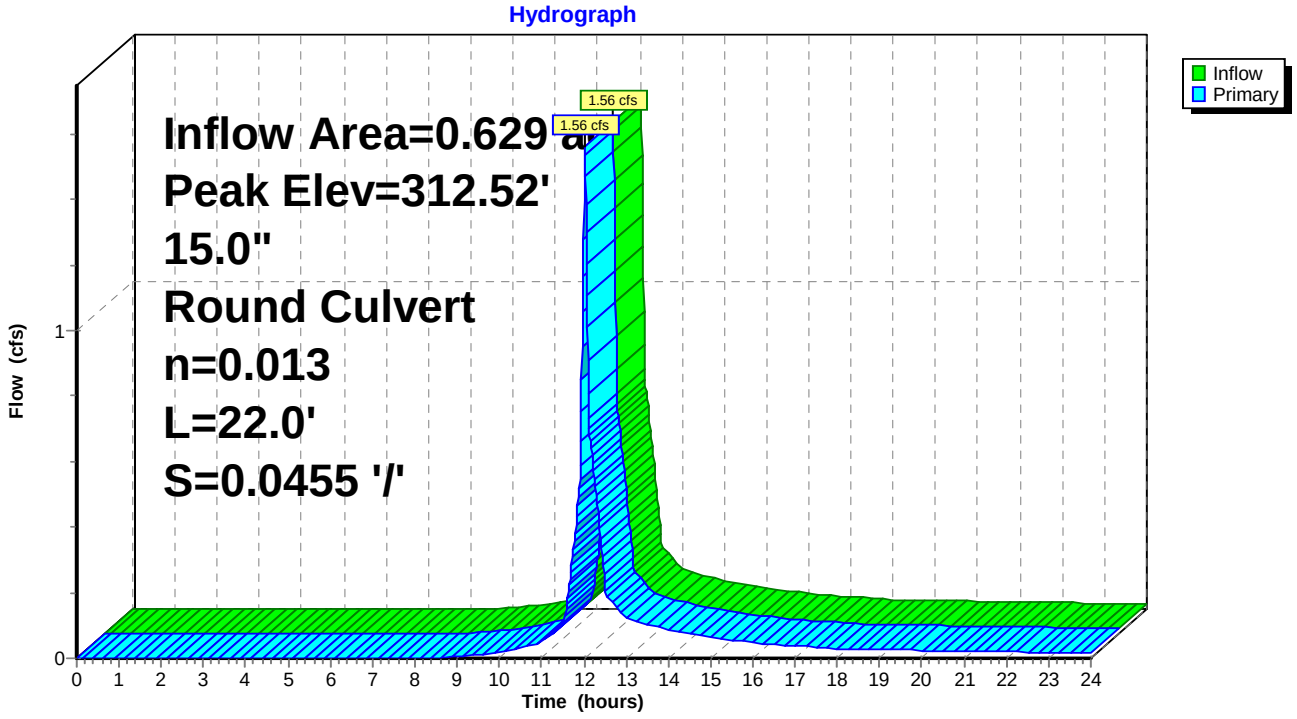
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 1.78" for 2-Year event
Inflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.52' @ 12.02 hrs
Flood Elev= 314.50'

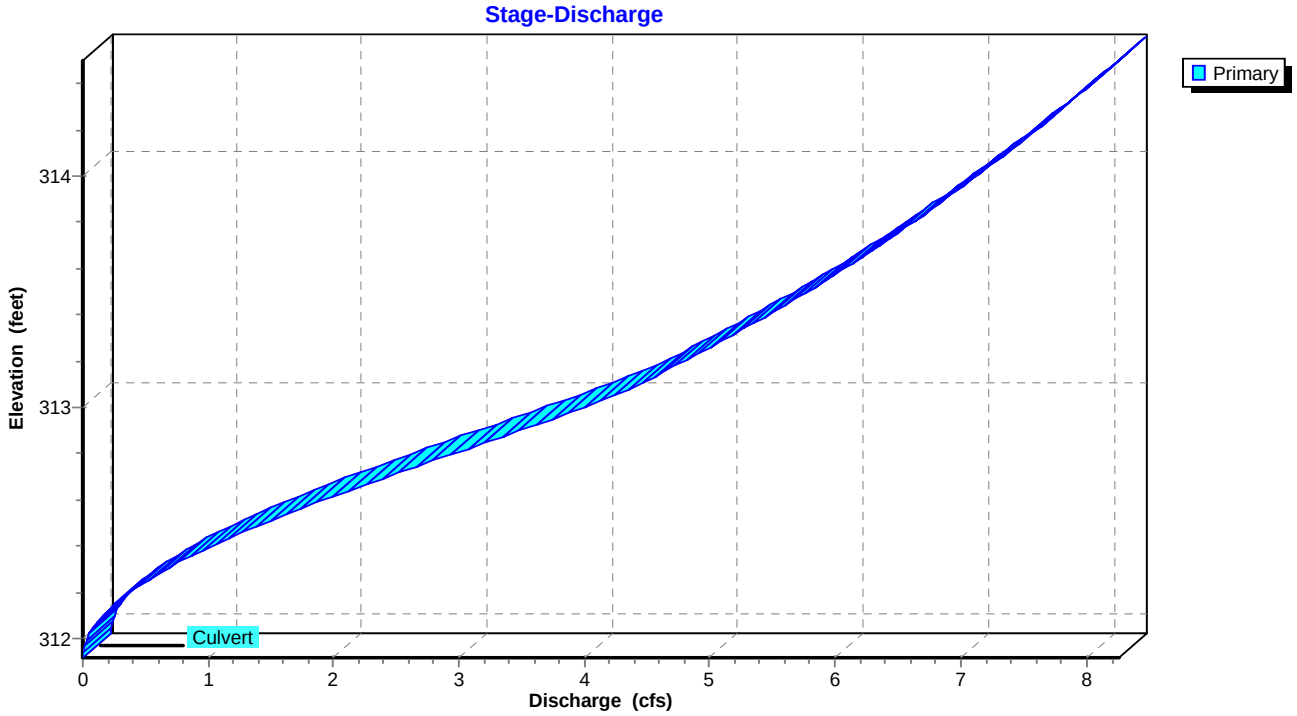
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.55 cfs @ 12.02 hrs HW=312.52' TW=311.65' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.55 cfs @ 2.64 fps)

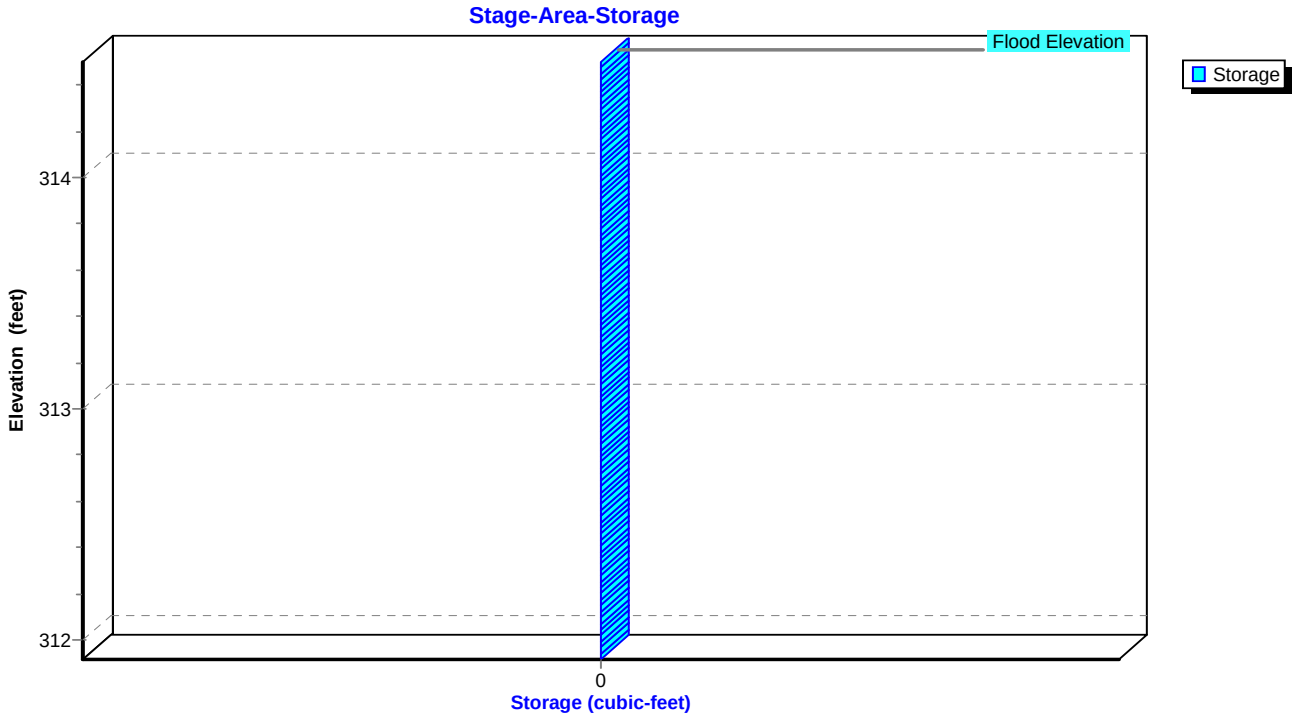
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.92	0.00
8.00	0.00	311.92	0.00
8.50	0.00	311.93	0.00
9.00	0.00	311.95	0.00
9.50	0.01	311.97	0.01
10.00	0.02	311.98	0.02
10.50	0.03	312.00	0.03
11.00	0.05	312.02	0.05
11.50	0.10	312.06	0.10
12.00	**1.39**	**312.49**	**1.39**
12.50	**0.22**	**312.13**	**0.22**
13.00	0.12	312.08	0.12
13.50	0.10	312.07	0.10
14.00	0.08	312.05	0.08
14.50	0.08	312.04	0.08
15.00	0.07	312.04	0.07
15.50	0.06	312.03	0.06
16.00	0.05	312.02	0.05
16.50	0.04	312.01	0.04
17.00	0.04	312.01	0.04
17.50	0.03	312.00	0.03
18.00	0.03	312.00	0.03
18.50	0.03	311.99	0.03
19.00	0.03	311.99	0.03
19.50	0.02	311.99	0.02
20.00	0.02	311.99	0.02
20.50	0.02	311.99	0.02
21.00	0.02	311.99	0.02
21.50	0.02	311.98	0.02
22.00	0.02	311.98	0.02
22.50	0.02	311.98	0.02
23.00	0.02	311.98	0.02
23.50	0.02	311.98	0.02
24.00	0.02	311.98	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

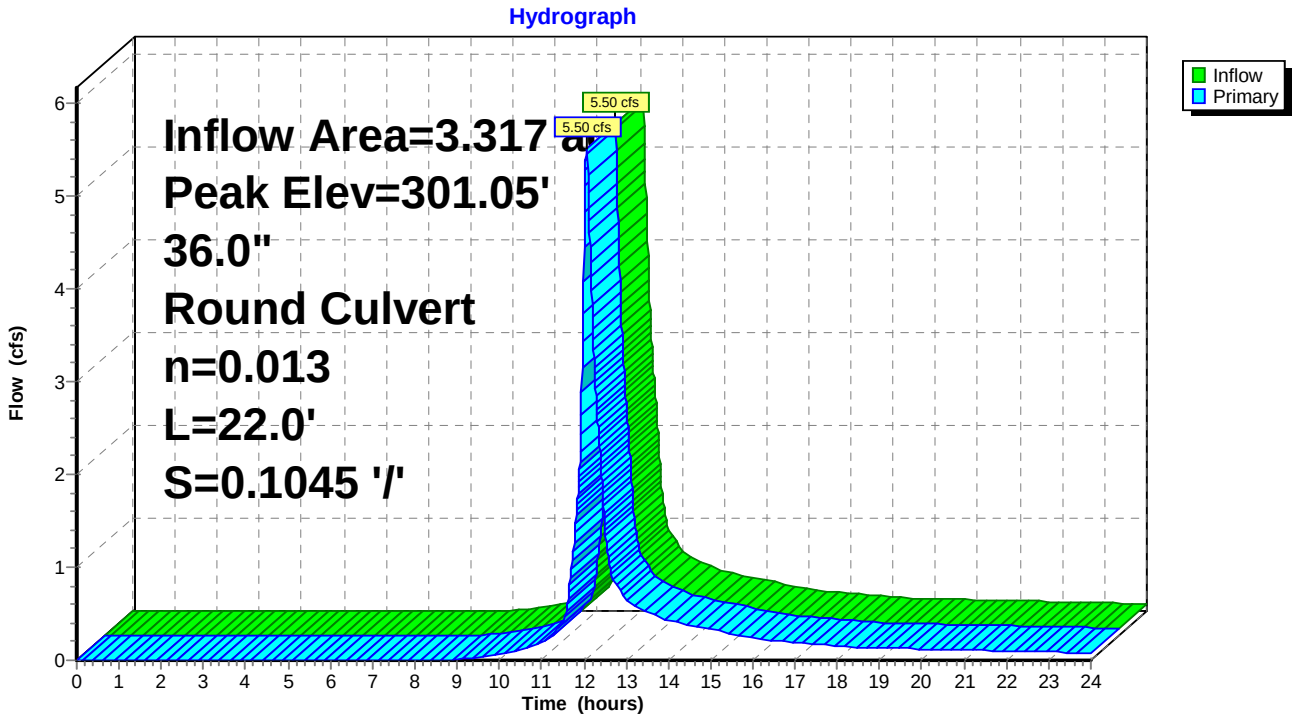
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 1.61" for 2-Year event
Inflow = 5.50 cfs @ 12.07 hrs, Volume= 0.445 af
Outflow = 5.50 cfs @ 12.07 hrs, Volume= 0.445 af, Atten= 0%, Lag= 0.0 min
Primary = 5.50 cfs @ 12.07 hrs, Volume= 0.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.05' @ 12.07 hrs
Flood Elev= 302.00'

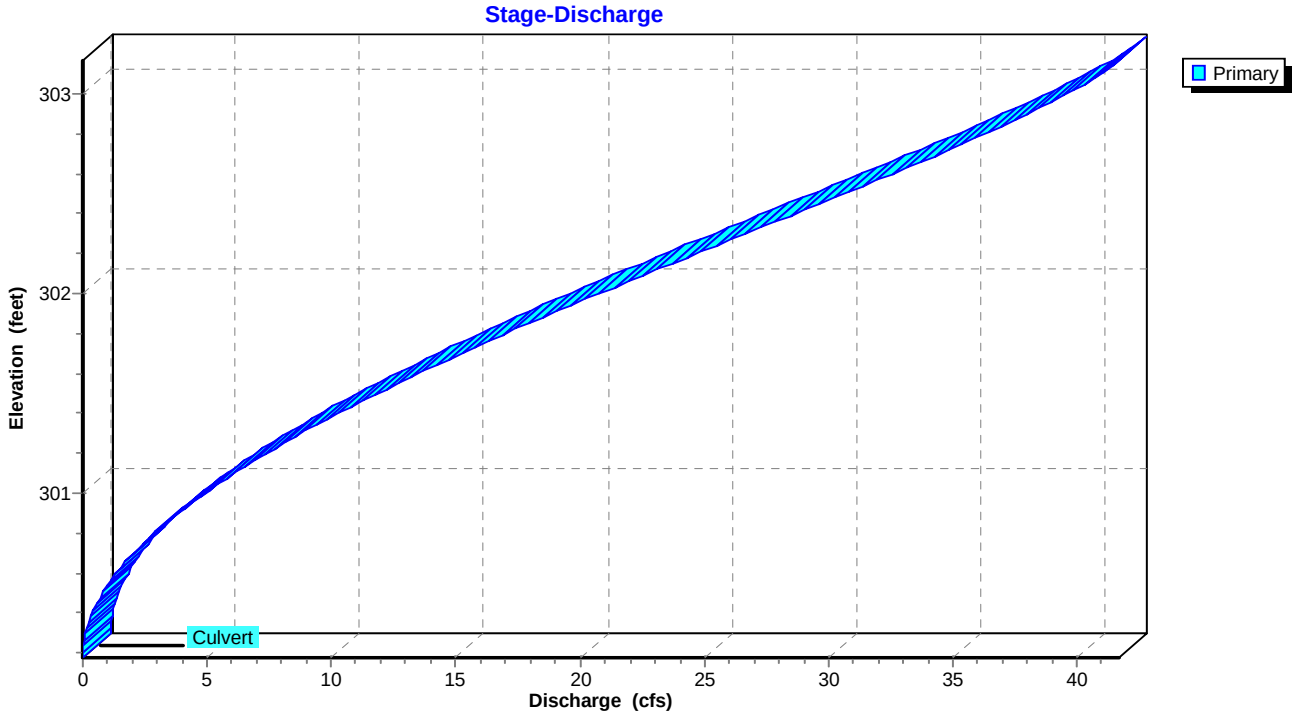
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=5.50 cfs @ 12.07 hrs HW=301.05' TW=300.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.50 cfs @ 3.19 fps)

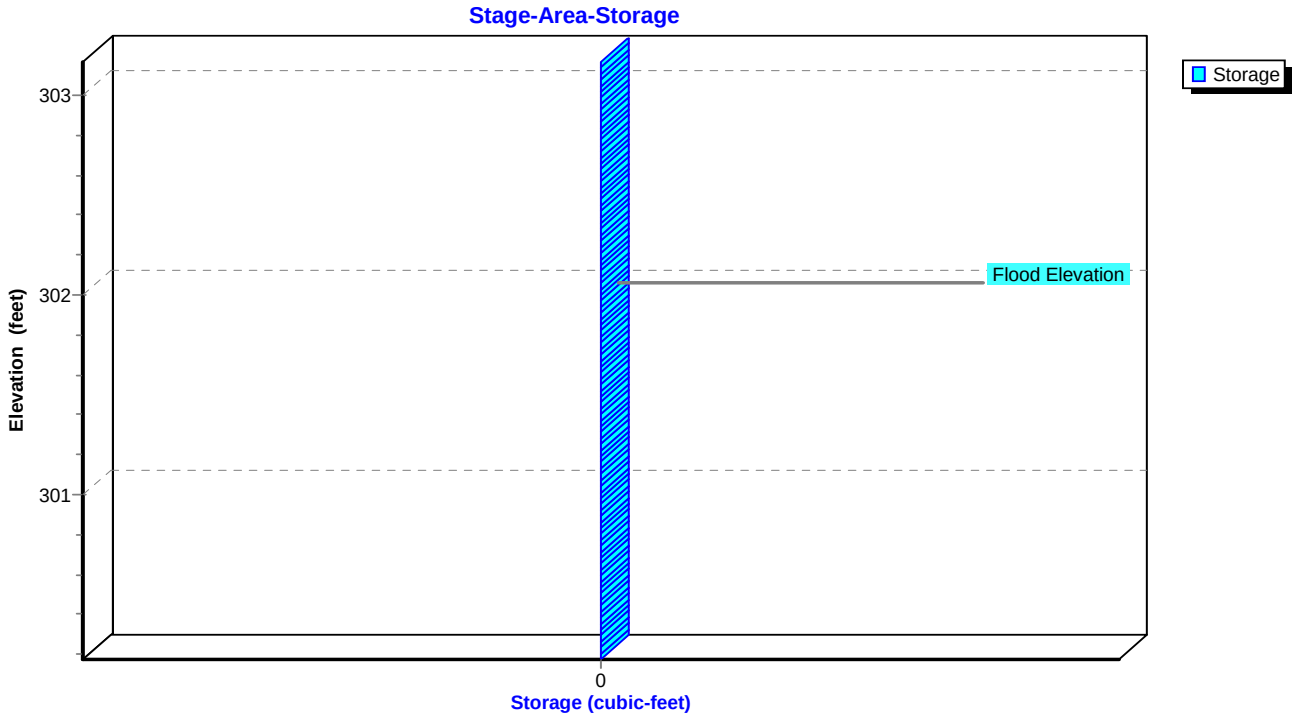
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.17	0.00
6.00	0.00	300.17	0.00
6.50	0.00	300.17	0.00
7.00	0.00	300.17	0.00
7.50	0.00	300.17	0.00
8.00	0.00	300.17	0.00
8.50	0.00	300.18	0.00
9.00	0.01	300.20	0.01
9.50	0.02	300.22	0.02
10.00	0.06	300.26	0.06
10.50	0.11	300.29	0.11
11.00	0.19	300.33	0.19
11.50	0.40	300.40	0.40
12.00	**4.45**	**300.96**	**4.45**
12.50	**1.46**	**300.61**	**1.46**
13.00	0.65	300.46	0.65
13.50	0.52	300.43	0.52
14.00	0.43	300.41	0.43
14.50	0.38	300.39	0.38
15.00	0.33	300.38	0.33
15.50	0.29	300.36	0.29
16.00	0.24	300.35	0.24
16.50	0.21	300.34	0.21
17.00	0.19	300.33	0.19
17.50	0.17	300.32	0.17
18.00	0.15	300.31	0.15
18.50	0.14	300.30	0.14
19.00	0.13	300.30	0.13
19.50	0.13	300.30	0.13
20.00	0.12	300.29	0.12
20.50	0.11	300.29	0.11
21.00	0.11	300.29	0.11
21.50	0.10	300.29	0.10
22.00	0.10	300.28	0.10
22.50	0.09	300.28	0.09
23.00	0.09	300.28	0.09
23.50	0.08	300.27	0.08
24.00	0.08	300.27	0.08

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

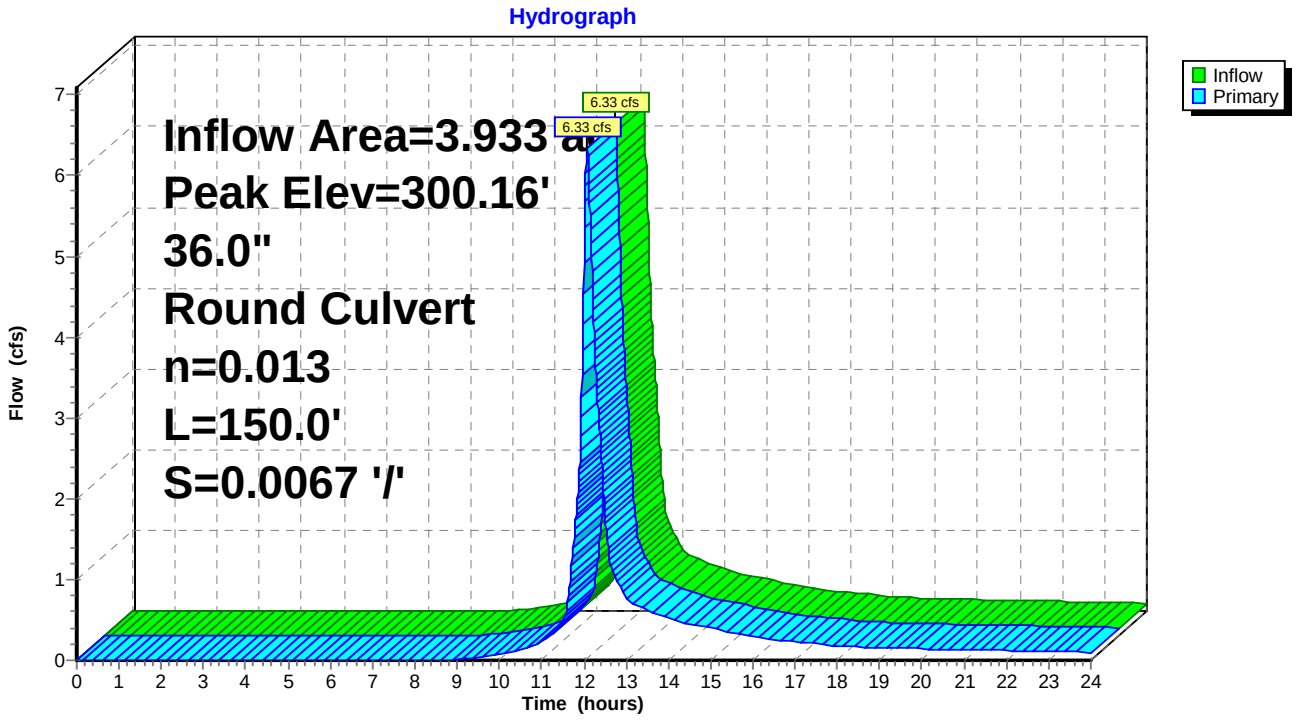
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 1.62" for 2-Year event
Inflow = 6.33 cfs @ 12.08 hrs, Volume= 0.532 af
Outflow = 6.33 cfs @ 12.08 hrs, Volume= 0.532 af, Atten= 0%, Lag= 0.0 min
Primary = 6.33 cfs @ 12.08 hrs, Volume= 0.532 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.16' @ 12.08 hrs
Flood Elev= 304.80'

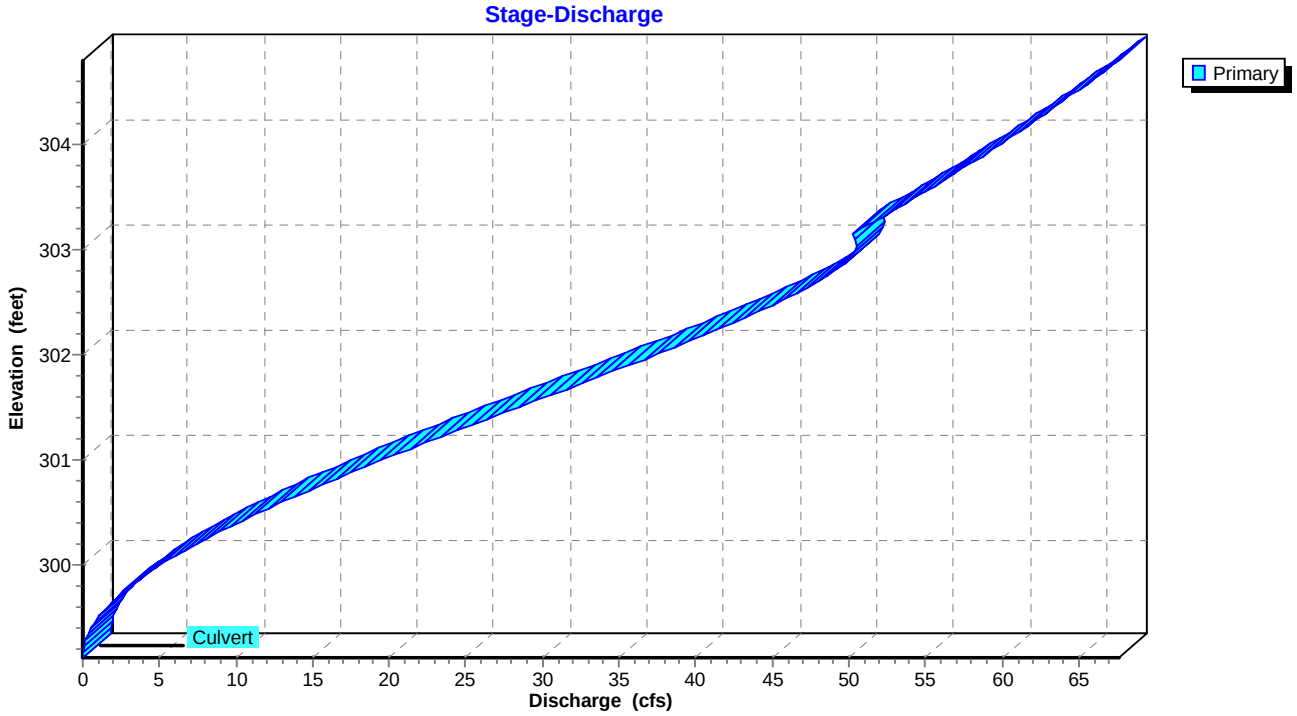
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=6.30 cfs @ 12.08 hrs HW=300.16' TW=299.09' (Dynamic Tailwater)
1=Culvert (Outlet Controls 6.30 cfs @ 4.34 fps)

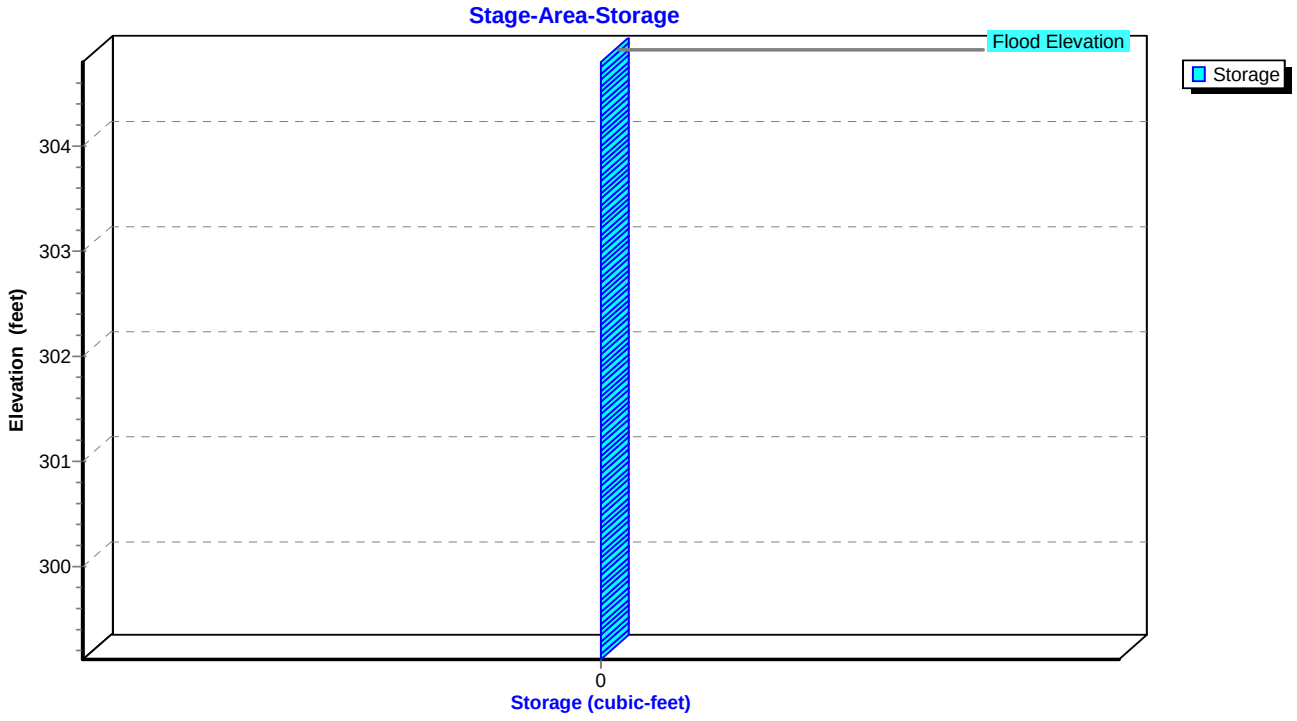
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.12	0.00
6.00	0.00	299.12	0.00
6.50	0.00	299.12	0.00
7.00	0.00	299.12	0.00
7.50	0.00	299.12	0.00
8.00	0.00	299.12	0.00
8.50	0.00	299.13	0.00
9.00	0.01	299.16	0.01
9.50	0.03	299.19	0.03
10.00	0.07	299.23	0.07
10.50	0.13	299.27	0.13
11.00	0.22	299.31	0.22
11.50	0.47	299.39	0.47
12.00	**4.93**	**300.01**	**4.93**
12.50	**1.84**	**299.65**	**1.84**
13.00	0.79	299.46	0.79
13.50	0.63	299.43	0.63
14.00	0.52	299.40	0.52
14.50	0.45	299.38	0.45
15.00	0.40	299.37	0.40
15.50	0.34	299.35	0.34
16.00	0.28	299.33	0.28
16.50	0.25	299.32	0.25
17.00	0.23	299.31	0.23
17.50	0.20	299.30	0.20
18.00	0.18	299.29	0.18
18.50	0.16	299.28	0.16
19.00	0.16	299.28	0.16
19.50	0.15	299.28	0.15
20.00	0.14	299.27	0.14
20.50	0.14	299.27	0.14
21.00	0.13	299.27	0.13
21.50	0.12	299.26	0.12
22.00	0.12	299.26	0.12
22.50	0.11	299.26	0.11
23.00	0.11	299.25	0.11
23.50	0.10	299.25	0.10
24.00	0.09	299.24	0.09

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

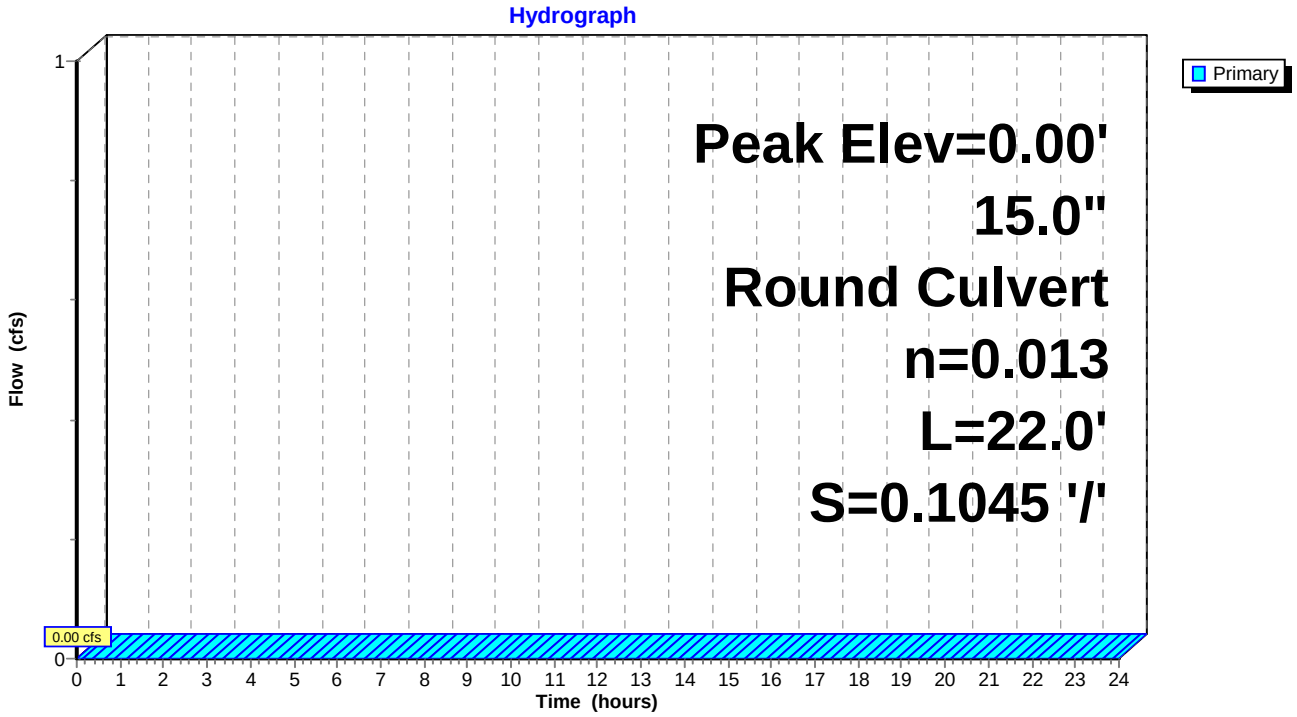
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

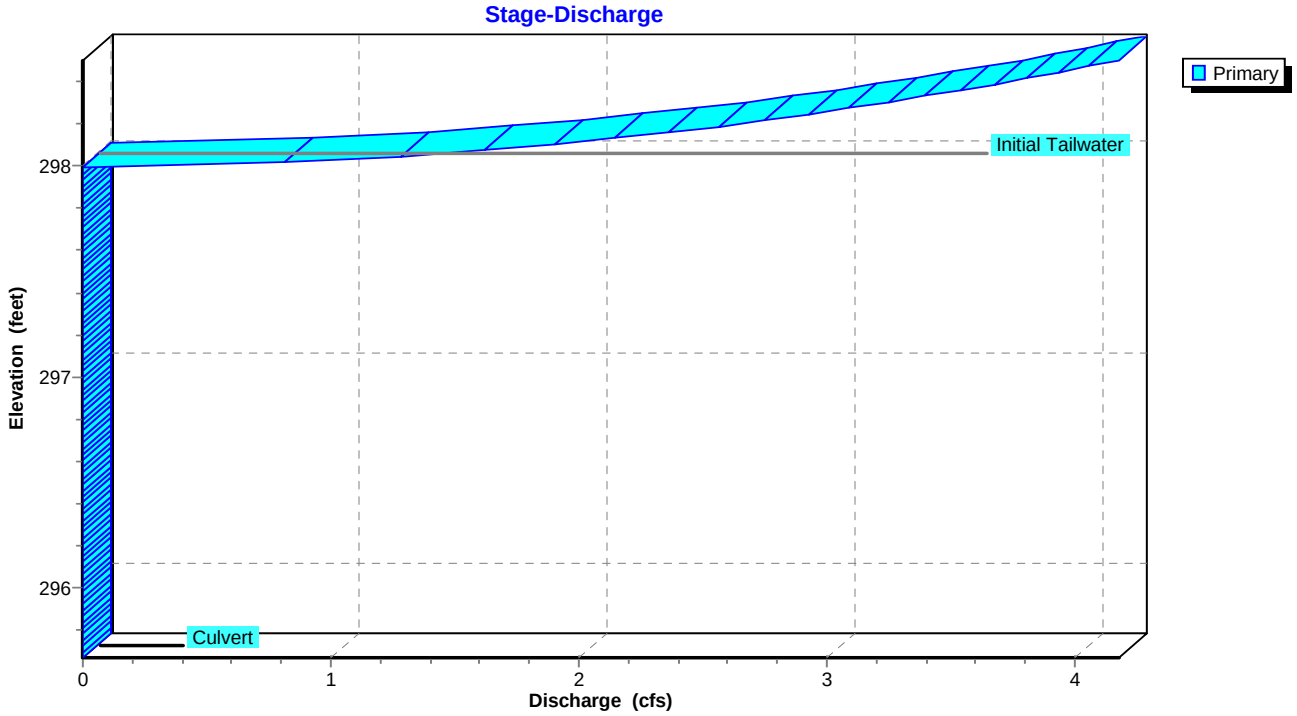
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

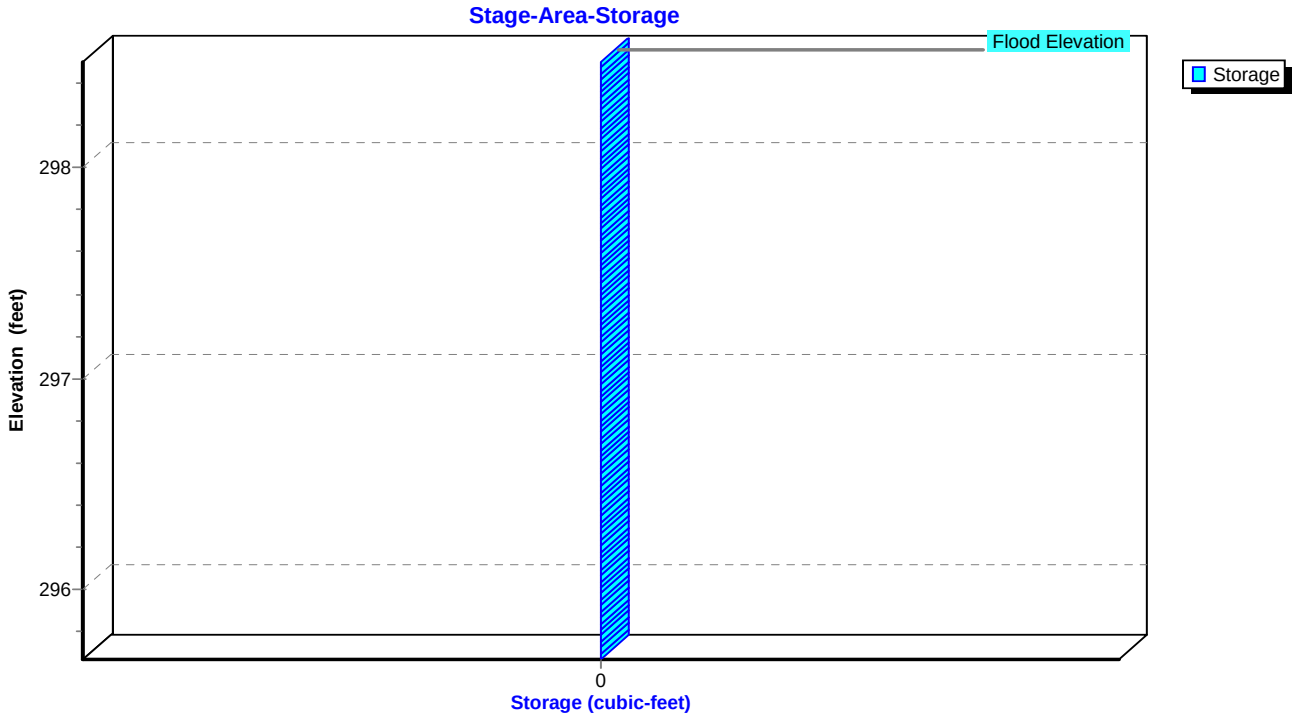
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

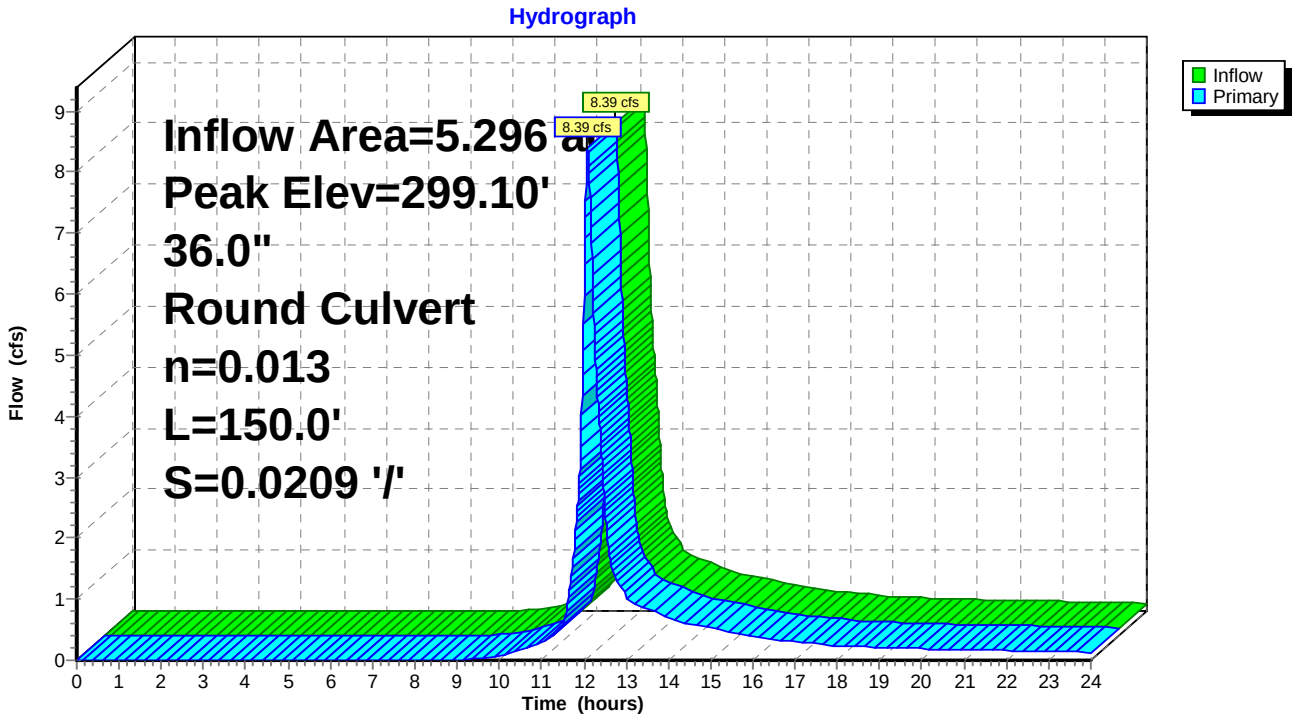
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 1.59" for 2-Year event
Inflow = 8.39 cfs @ 12.09 hrs, Volume= 0.702 af
Outflow = 8.39 cfs @ 12.09 hrs, Volume= 0.702 af, Atten= 0%, Lag= 0.0 min
Primary = 8.39 cfs @ 12.09 hrs, Volume= 0.702 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.10' @ 12.09 hrs
Flood Elev= 302.30'

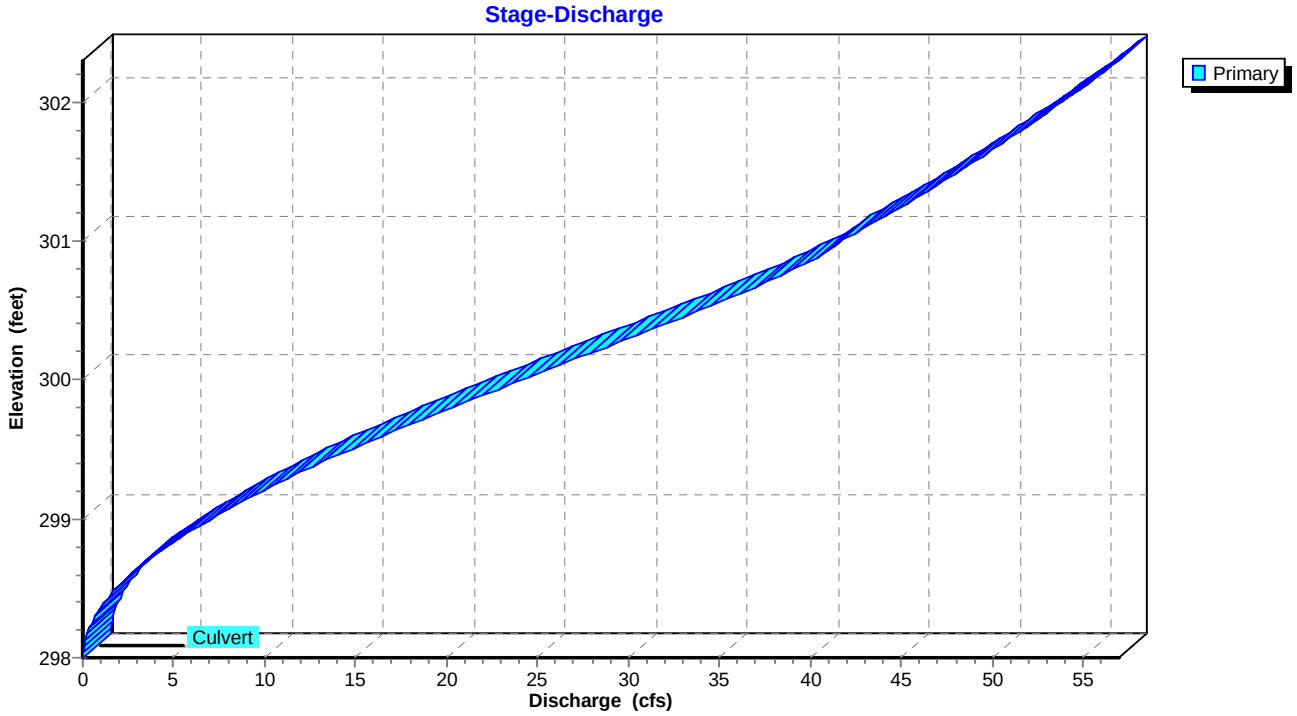
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.38 cfs @ 12.09 hrs HW=299.10' TW=295.84' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.38 cfs @ 3.57 fps)

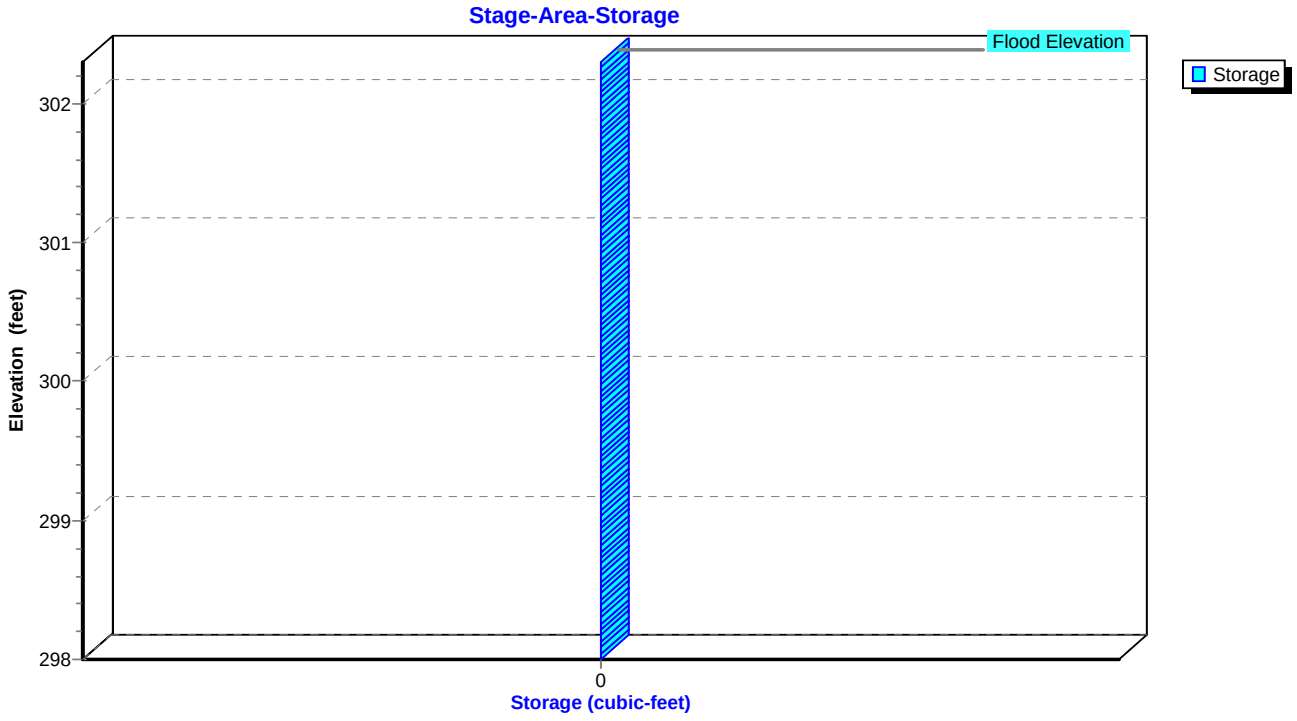
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.00	0.00
6.00	0.00	298.00	0.00
6.50	0.00	298.00	0.00
7.00	0.00	298.00	0.00
7.50	0.00	298.00	0.00
8.00	0.00	298.00	0.00
8.50	0.00	298.01	0.00
9.00	0.01	298.03	0.01
9.50	0.03	298.06	0.03
10.00	0.08	298.10	0.08
10.50	0.16	298.15	0.16
11.00	0.28	298.19	0.28
11.50	0.60	298.28	0.60
12.00	**5.99**	**298.92**	**5.99**
12.50	**2.53**	**298.59**	**2.53**
13.00	1.06	298.37	1.06
13.50	0.84	298.33	0.84
14.00	0.69	298.30	0.69
14.50	0.60	298.28	0.60
15.00	0.53	298.26	0.53
15.50	0.46	298.24	0.46
16.00	0.38	298.22	0.38
16.50	0.34	298.21	0.34
17.00	0.30	298.20	0.30
17.50	0.27	298.19	0.27
18.00	0.23	298.17	0.23
18.50	0.22	298.17	0.22
19.00	0.21	298.16	0.21
19.50	0.20	298.16	0.20
20.00	0.19	298.16	0.19
20.50	0.18	298.15	0.18
21.00	0.17	298.15	0.17
21.50	0.17	298.15	0.17
22.00	0.16	298.14	0.16
22.50	0.15	298.14	0.15
23.00	0.14	298.14	0.14
23.50	0.13	298.13	0.13
24.00	0.13	298.13	0.13

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

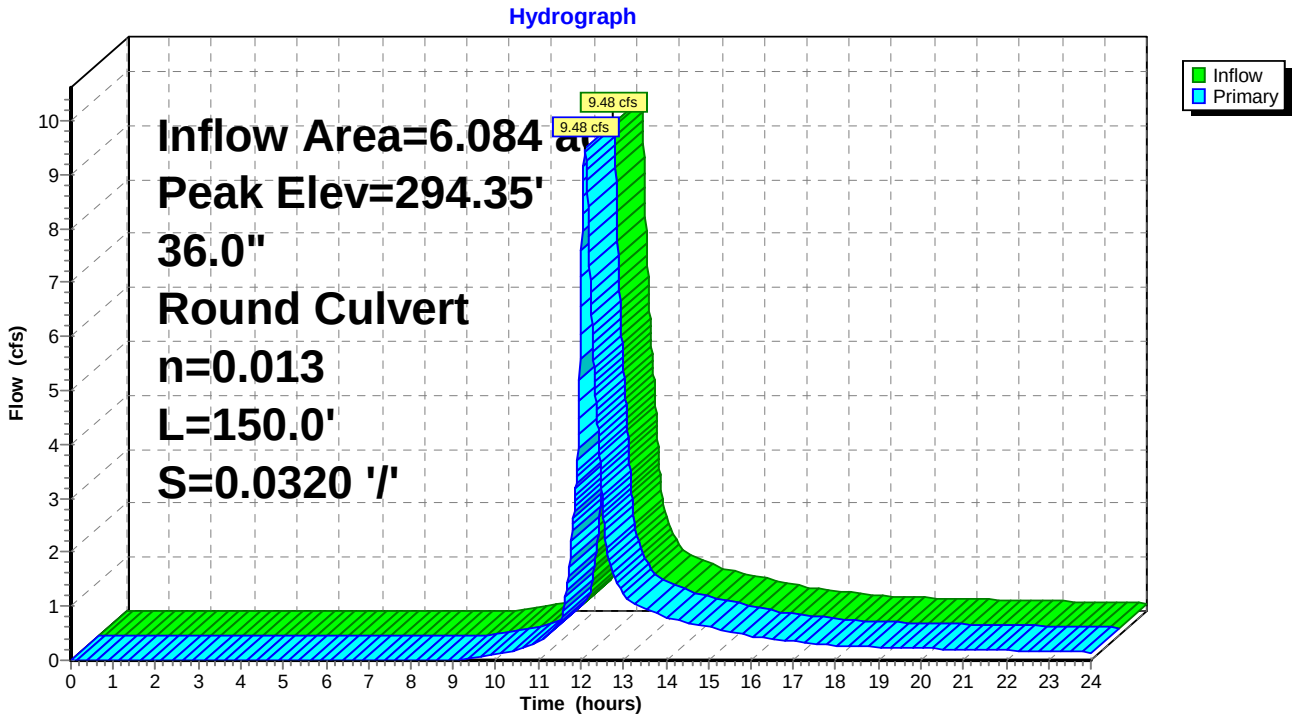
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 1.61" for 2-Year event
Inflow = 9.48 cfs @ 12.10 hrs, Volume= 0.814 af
Outflow = 9.48 cfs @ 12.10 hrs, Volume= 0.814 af, Atten= 0%, Lag= 0.0 min
Primary = 9.48 cfs @ 12.10 hrs, Volume= 0.814 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 294.35' @ 12.10 hrs
Flood Elev= 296.00'

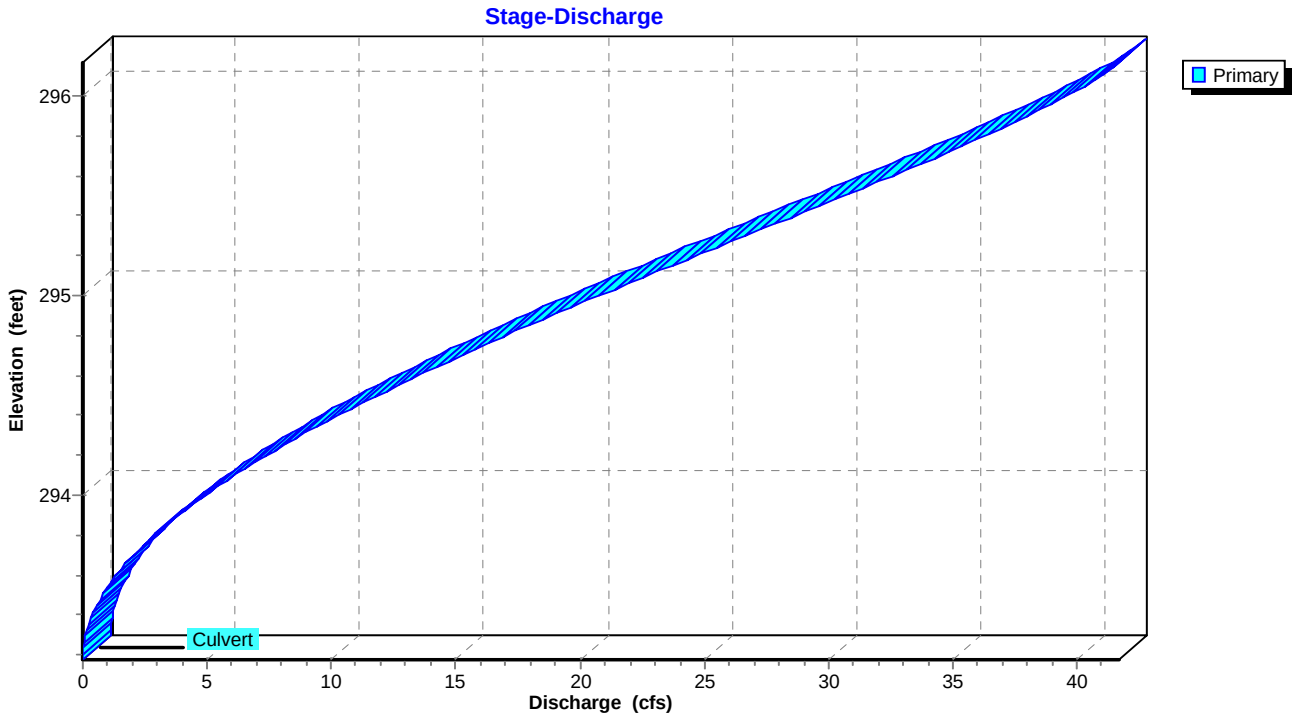
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.47 cfs @ 12.10 hrs HW=294.34' (Free Discharge)
1=Culvert (Inlet Controls 9.47 cfs @ 3.69 fps)

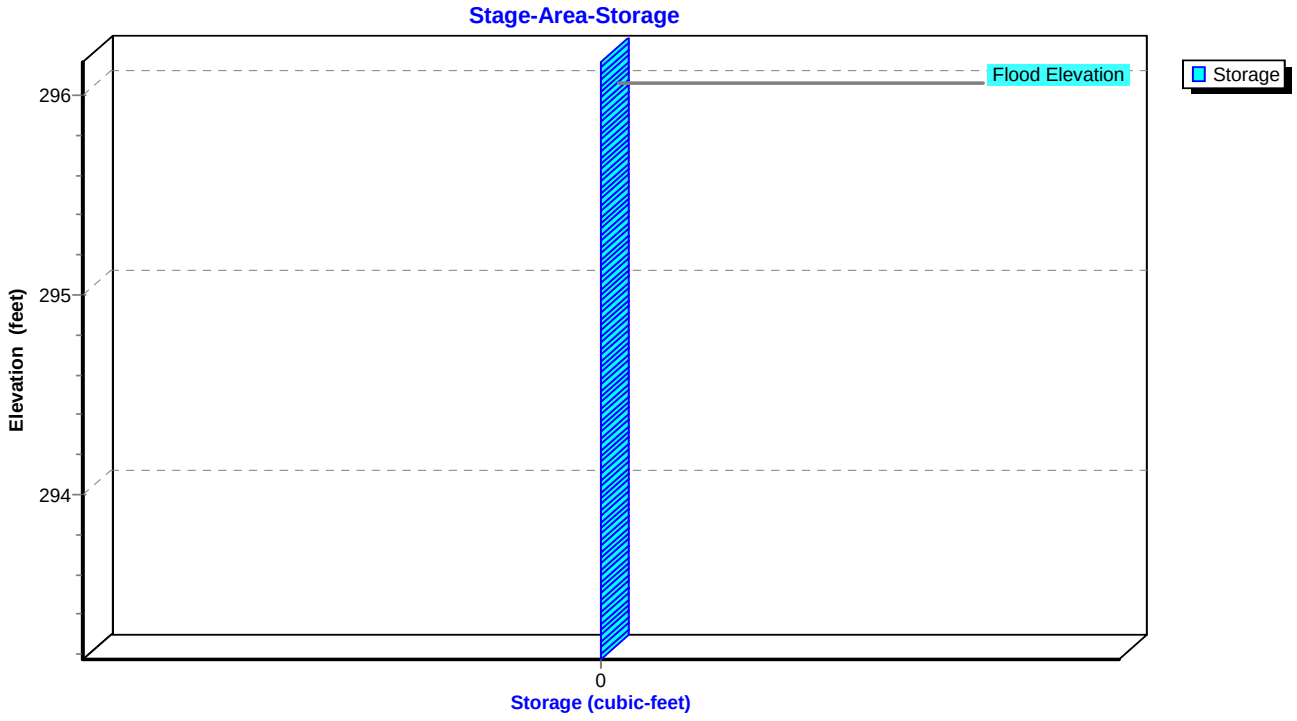
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.17	0.00
6.00	0.00	293.17	0.00
6.50	0.00	293.17	0.00
7.00	0.00	293.17	0.00
7.50	0.00	293.17	0.00
8.00	0.00	293.17	0.00
8.50	0.00	293.18	0.00
9.00	0.01	293.21	0.01
9.50	0.04	293.24	0.04
10.00	0.10	293.28	0.10
10.50	0.19	293.33	0.19
11.00	0.33	293.38	0.33
11.50	0.69	293.47	0.69
12.00	**6.56**	**294.13**	**6.56**
12.50	**3.06**	**293.82**	**3.06**
13.00	1.24	293.58	1.24
13.50	0.97	293.53	0.97
14.00	0.80	293.49	0.80
14.50	0.70	293.47	0.70
15.00	0.61	293.45	0.61
15.50	0.53	293.43	0.53
16.00	0.44	293.41	0.44
16.50	0.39	293.40	0.39
17.00	0.35	293.38	0.35
17.50	0.31	293.37	0.31
18.00	0.27	293.36	0.27
18.50	0.25	293.35	0.25
19.00	0.24	293.35	0.24
19.50	0.23	293.34	0.23
20.00	0.22	293.34	0.22
20.50	0.21	293.33	0.21
21.00	0.20	293.33	0.20
21.50	0.19	293.33	0.19
22.00	0.18	293.32	0.18
22.50	0.17	293.32	0.17
23.00	0.16	293.32	0.16
23.50	0.15	293.31	0.15
24.00	0.15	293.31	0.15

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

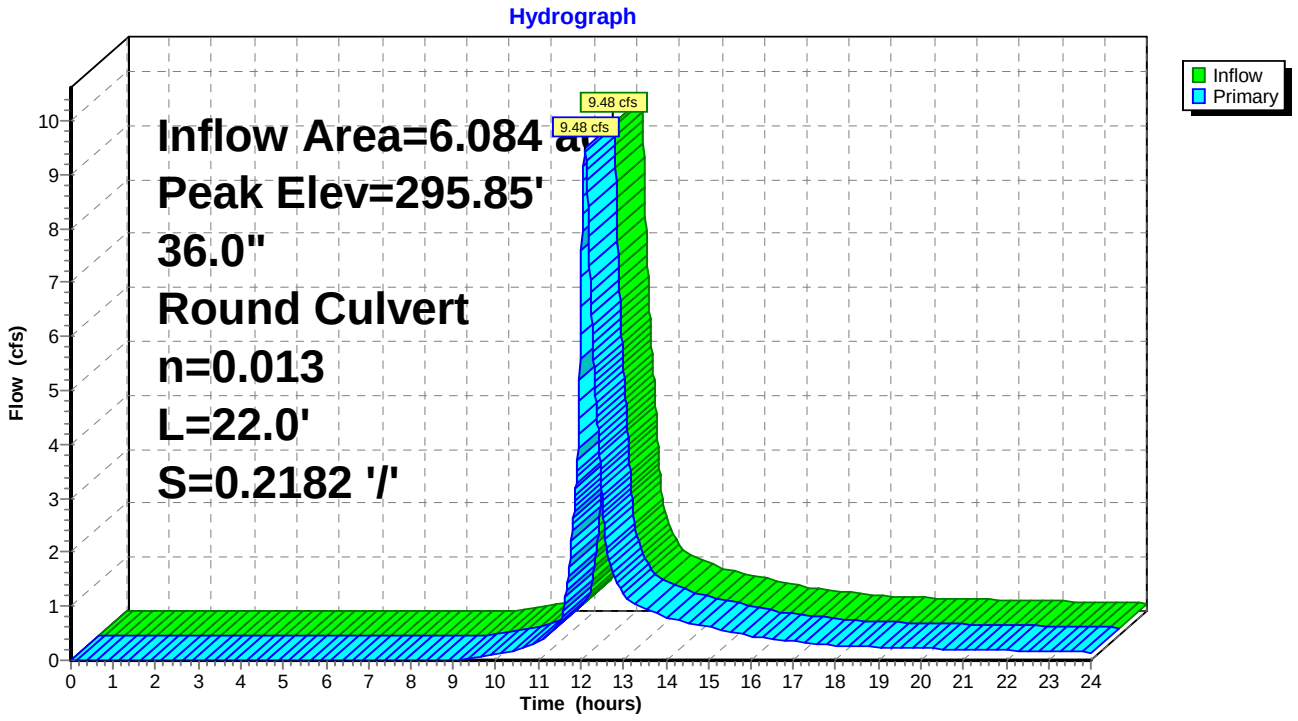
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 1.61" for 2-Year event
Inflow = 9.48 cfs @ 12.10 hrs, Volume= 0.814 af
Outflow = 9.48 cfs @ 12.10 hrs, Volume= 0.814 af, Atten= 0%, Lag= 0.0 min
Primary = 9.48 cfs @ 12.10 hrs, Volume= 0.814 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.85' @ 12.10 hrs
Flood Elev= 299.00'

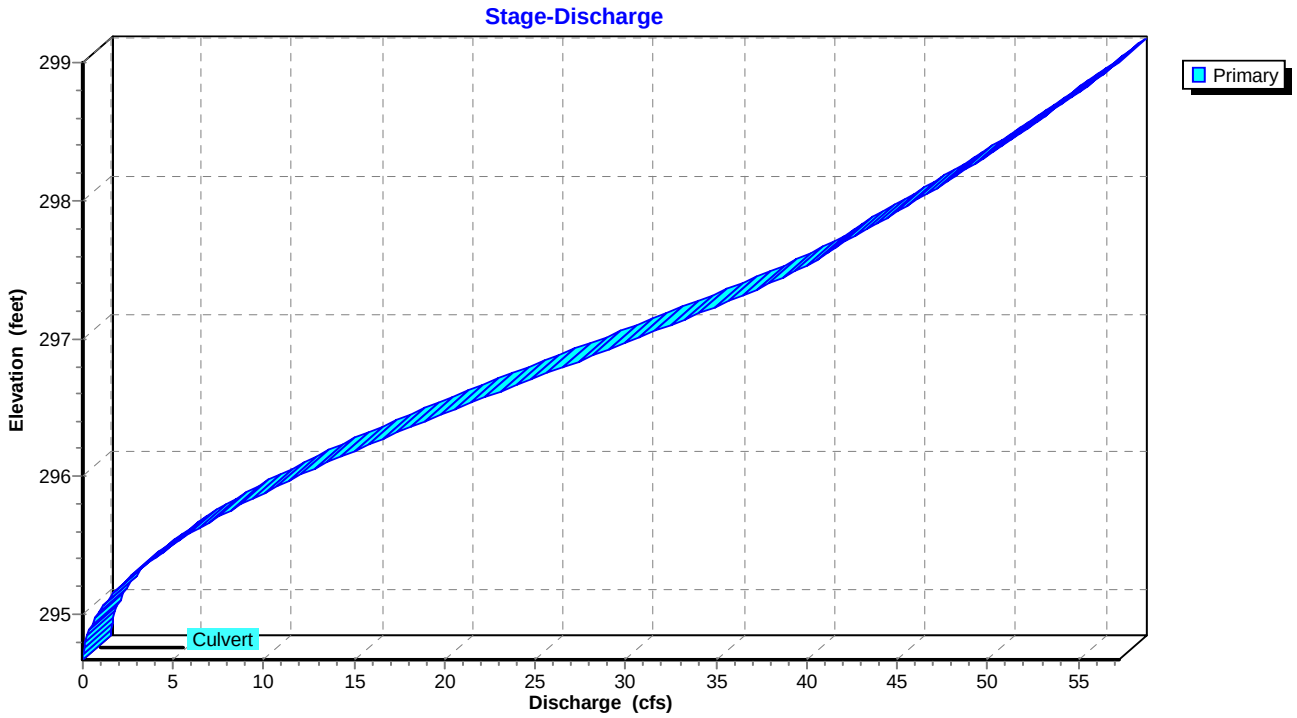
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.47 cfs @ 12.10 hrs HW=295.84' TW=294.34' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.47 cfs @ 3.69 fps)

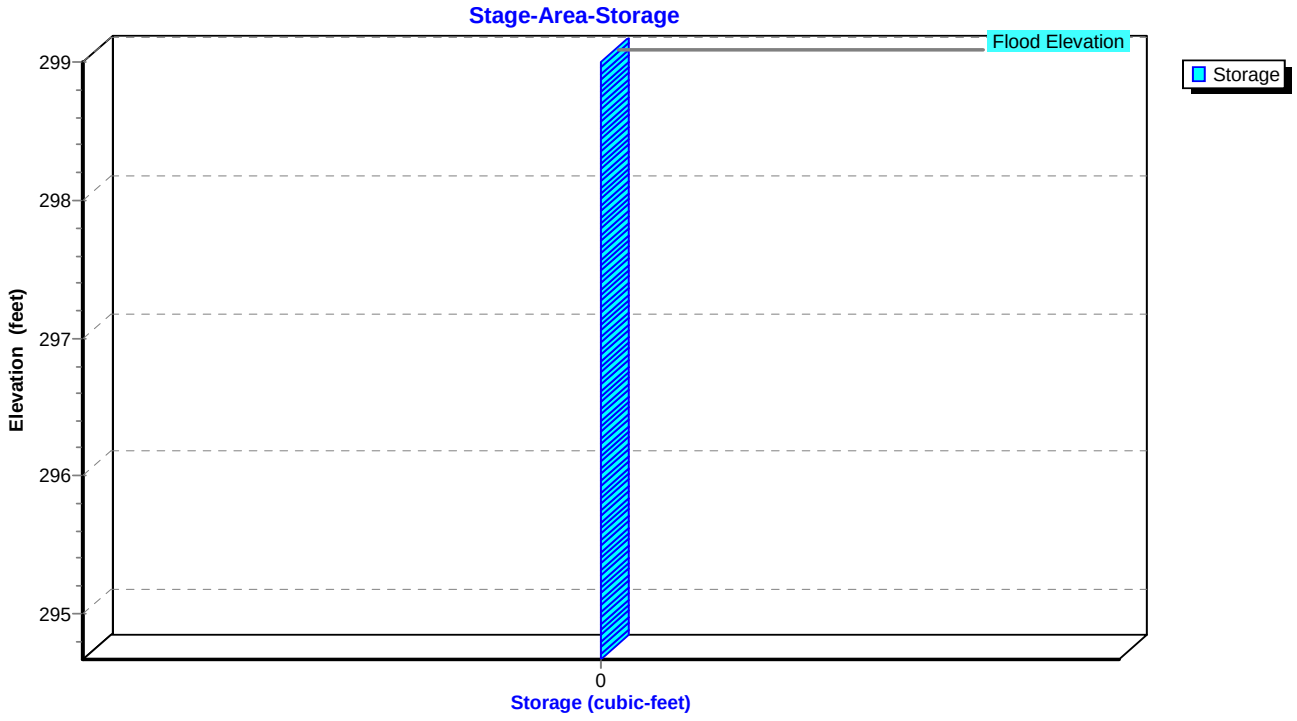
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.67	0.00
6.00	0.00	294.67	0.00
6.50	0.00	294.67	0.00
7.00	0.00	294.67	0.00
7.50	0.00	294.67	0.00
8.00	0.00	294.67	0.00
8.50	0.00	294.68	0.00
9.00	0.01	294.71	0.01
9.50	0.04	294.74	0.04
10.00	0.10	294.78	0.10
10.50	0.19	294.83	0.19
11.00	0.33	294.88	0.33
11.50	0.69	294.97	0.69
12.00	**6.56**	**295.63**	**6.56**
12.50	**3.06**	**295.32**	**3.06**
13.00	1.24	295.08	1.24
13.50	0.97	295.03	0.97
14.00	0.80	294.99	0.80
14.50	0.70	294.97	0.70
15.00	0.61	294.95	0.61
15.50	0.53	294.93	0.53
16.00	0.44	294.91	0.44
16.50	0.39	294.90	0.39
17.00	0.35	294.88	0.35
17.50	0.31	294.87	0.31
18.00	0.27	294.86	0.27
18.50	0.25	294.85	0.25
19.00	0.24	294.85	0.24
19.50	0.23	294.84	0.23
20.00	0.22	294.84	0.22
20.50	0.21	294.83	0.21
21.00	0.20	294.83	0.20
21.50	0.19	294.83	0.19
22.00	0.18	294.82	0.18
22.50	0.17	294.82	0.17
23.00	0.16	294.82	0.16
23.50	0.15	294.81	0.15
24.00	0.15	294.81	0.15

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

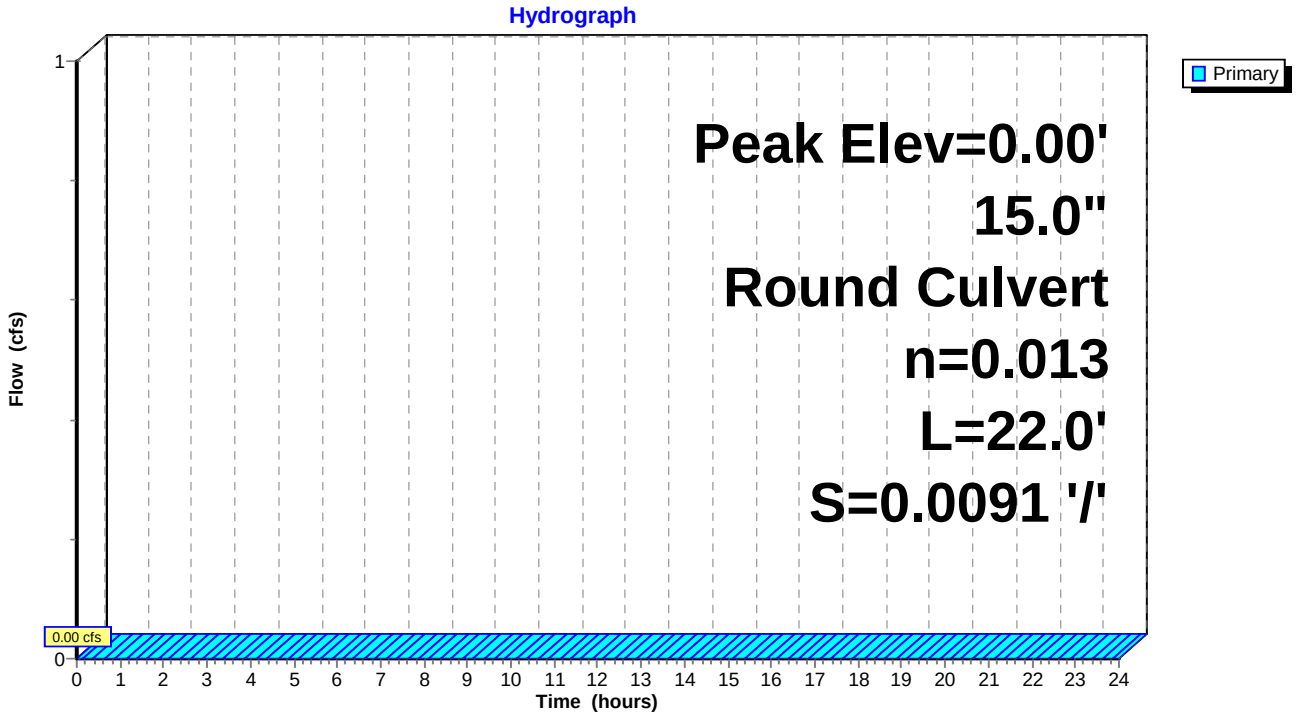
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

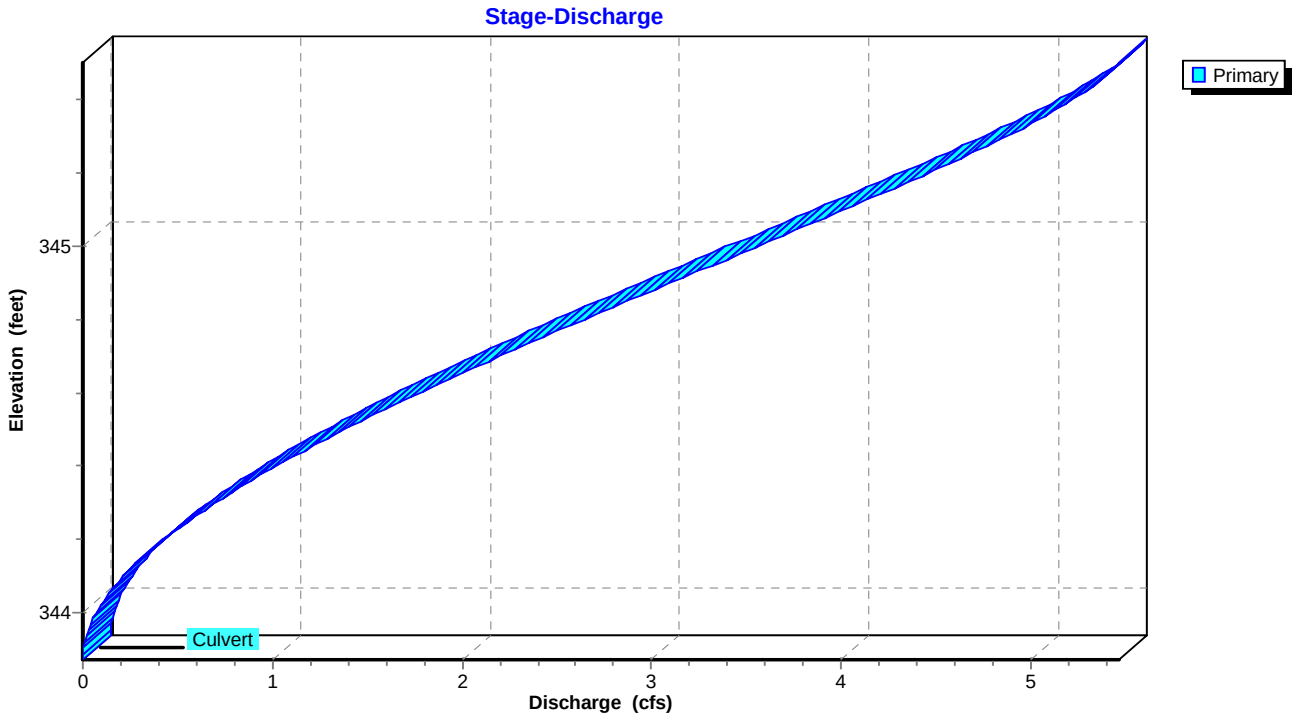
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

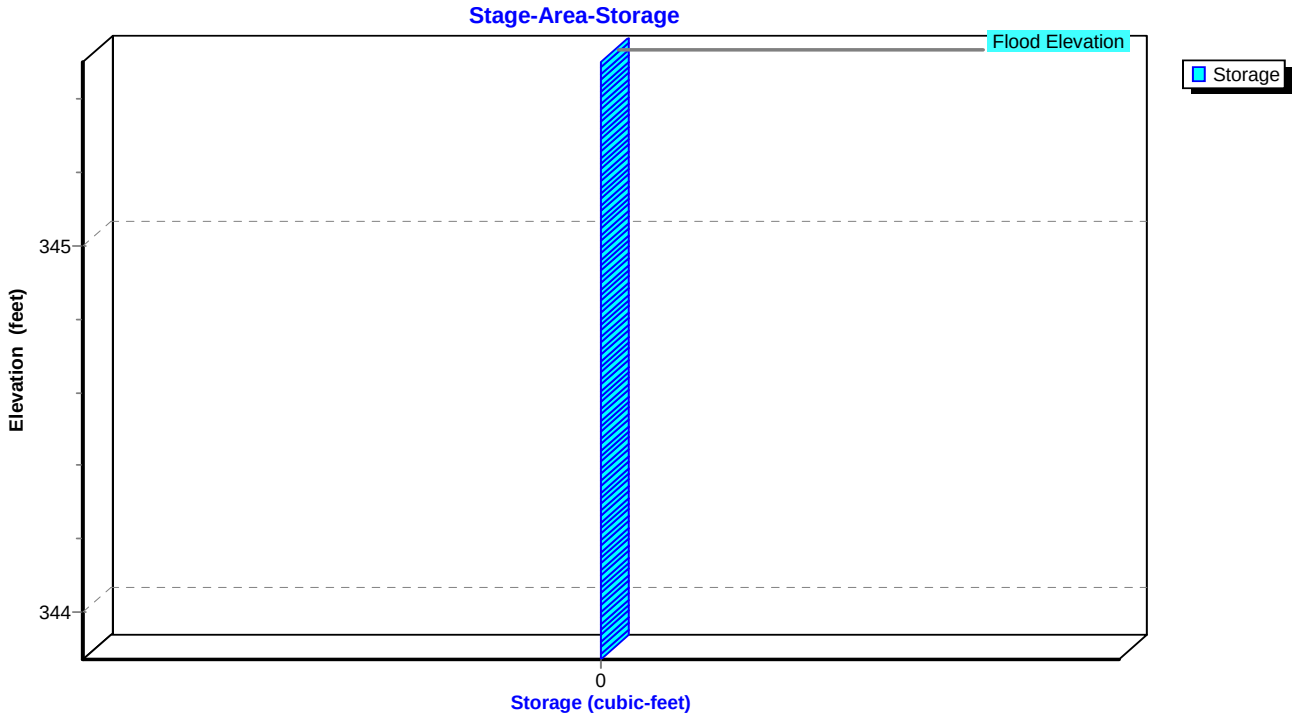
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

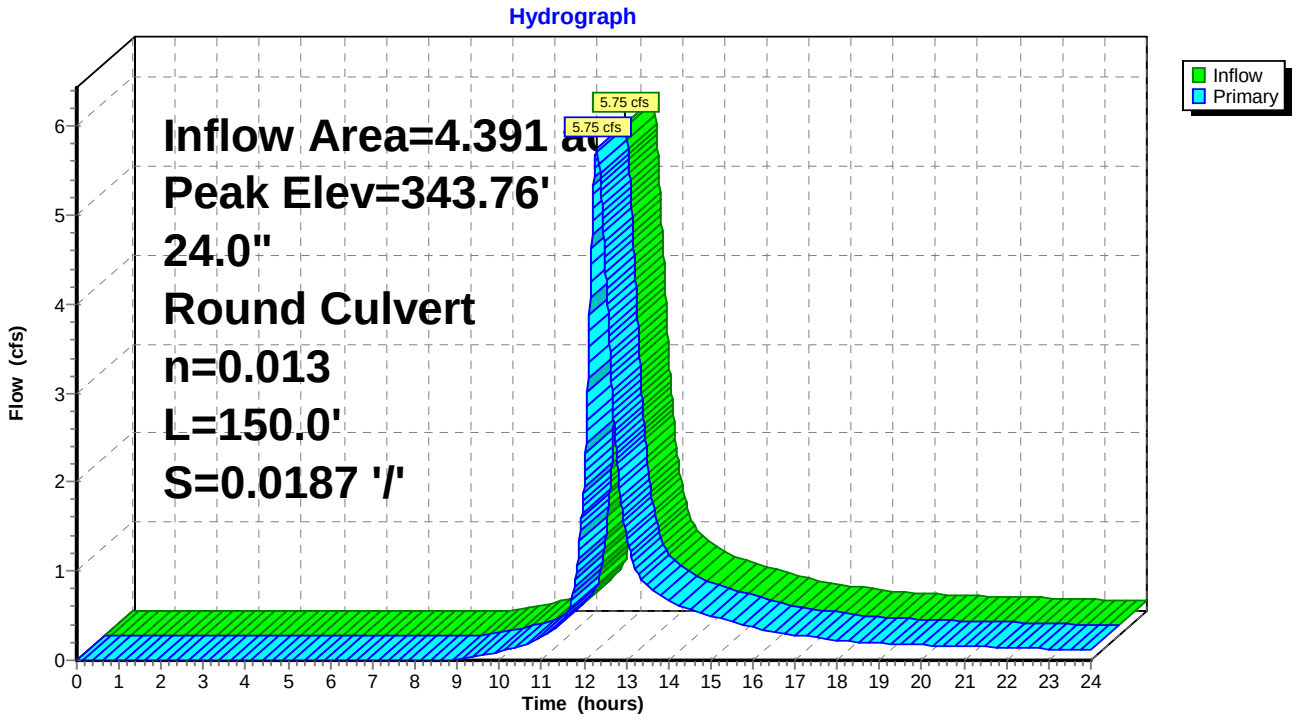
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af
Outflow = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af, Atten= 0%, Lag= 0.0 min
Primary = 5.75 cfs @ 12.31 hrs, Volume= 0.648 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 343.76' @ 12.31 hrs
Flood Elev= 347.00'

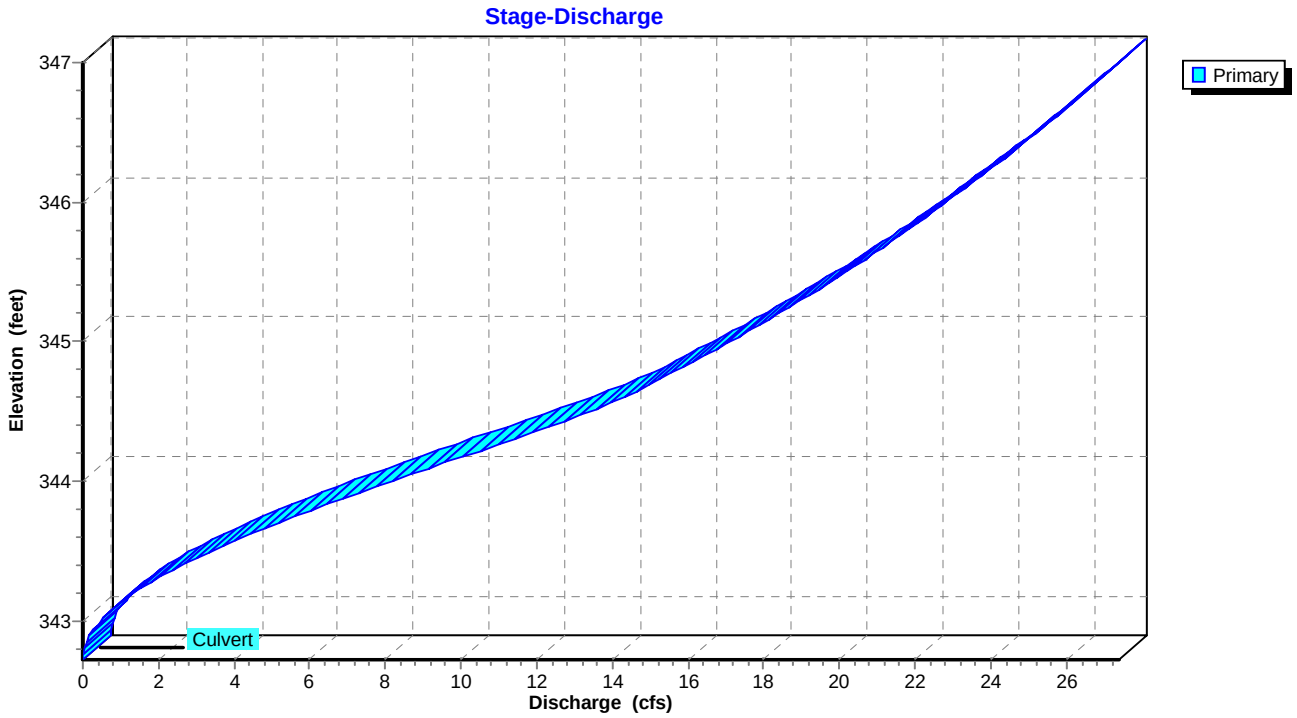
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=5.74 cfs @ 12.31 hrs HW=343.76' TW=340.90' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.74 cfs @ 3.47 fps)

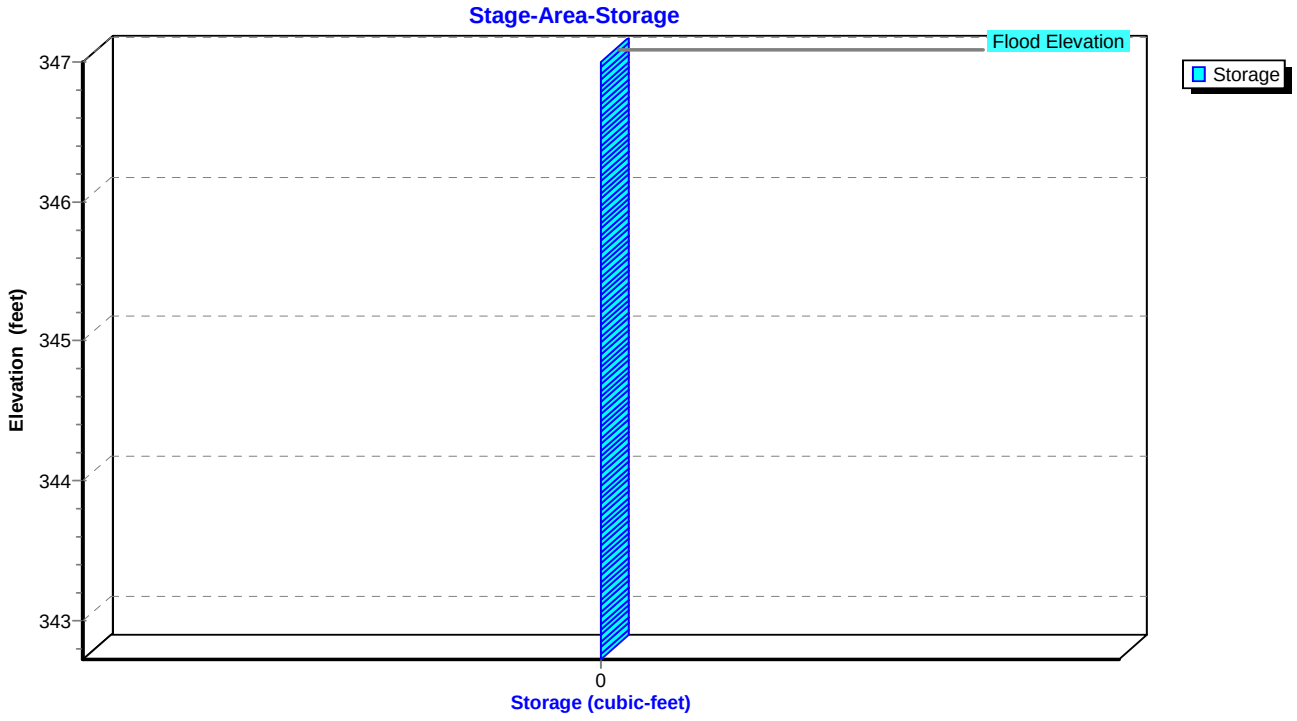
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.00	342.72	0.00
6.00	0.00	342.72	0.00
6.50	0.00	342.72	0.00
7.00	0.00	342.72	0.00
7.50	0.00	342.72	0.00
8.00	0.00	342.72	0.00
8.50	0.00	342.73	0.00
9.00	0.01	342.77	0.01
9.50	0.05	342.81	0.05
10.00	0.09	342.84	0.09
10.50	0.16	342.88	0.16
11.00	0.26	342.92	0.26
11.50	0.45	342.99	0.45
12.00	**1.95**	**343.30**	**1.95**
12.50	**4.53**	**343.63**	**4.53**
13.00	1.42	343.21	1.42
13.50	0.84	343.09	0.84
14.00	0.68	343.05	0.68
14.50	0.57	343.03	0.57
15.00	0.50	343.01	0.50
15.50	0.44	342.99	0.44
16.00	0.37	342.96	0.37
16.50	0.31	342.94	0.31
17.00	0.28	342.93	0.28
17.50	0.25	342.92	0.25
18.00	0.22	342.91	0.22
18.50	0.20	342.90	0.20
19.00	0.19	342.89	0.19
19.50	0.18	342.89	0.18
20.00	0.17	342.88	0.17
20.50	0.16	342.88	0.16
21.00	0.16	342.88	0.16
21.50	0.15	342.87	0.15
22.00	0.14	342.87	0.14
22.50	0.13	342.87	0.13
23.00	0.13	342.86	0.13
23.50	0.12	342.86	0.12
24.00	0.11	342.85	0.11

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

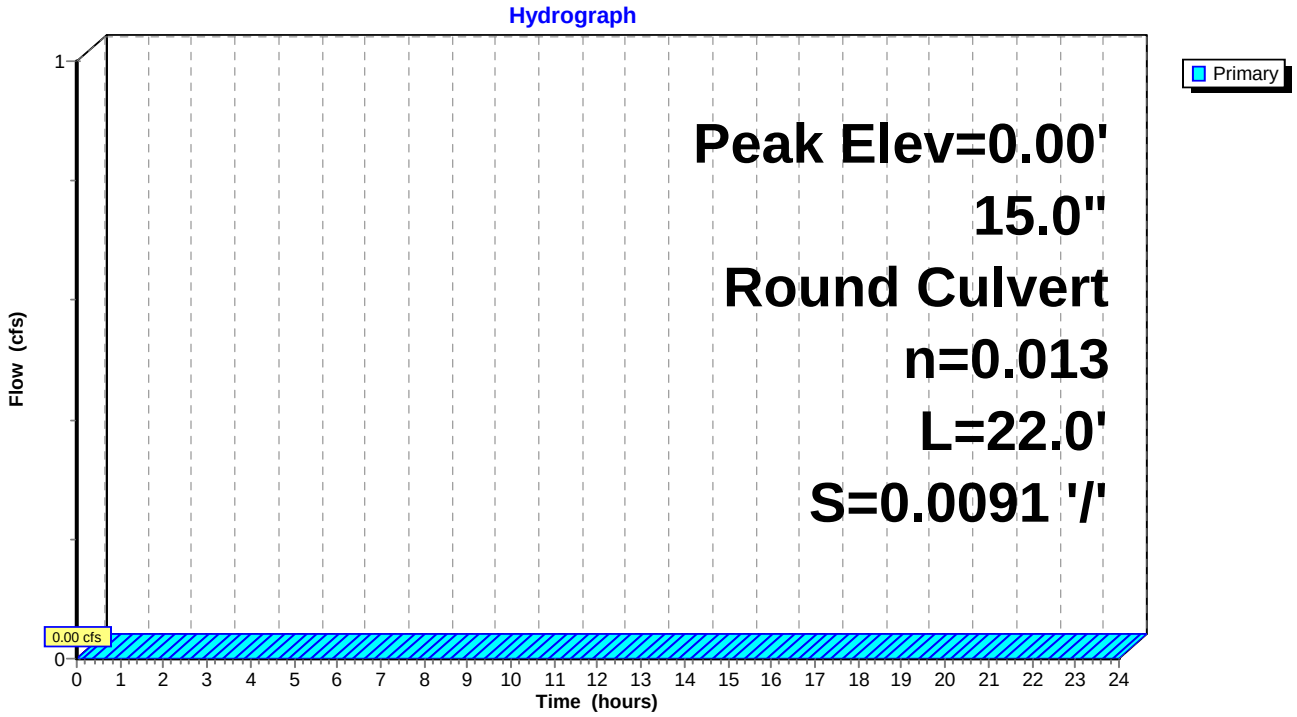
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

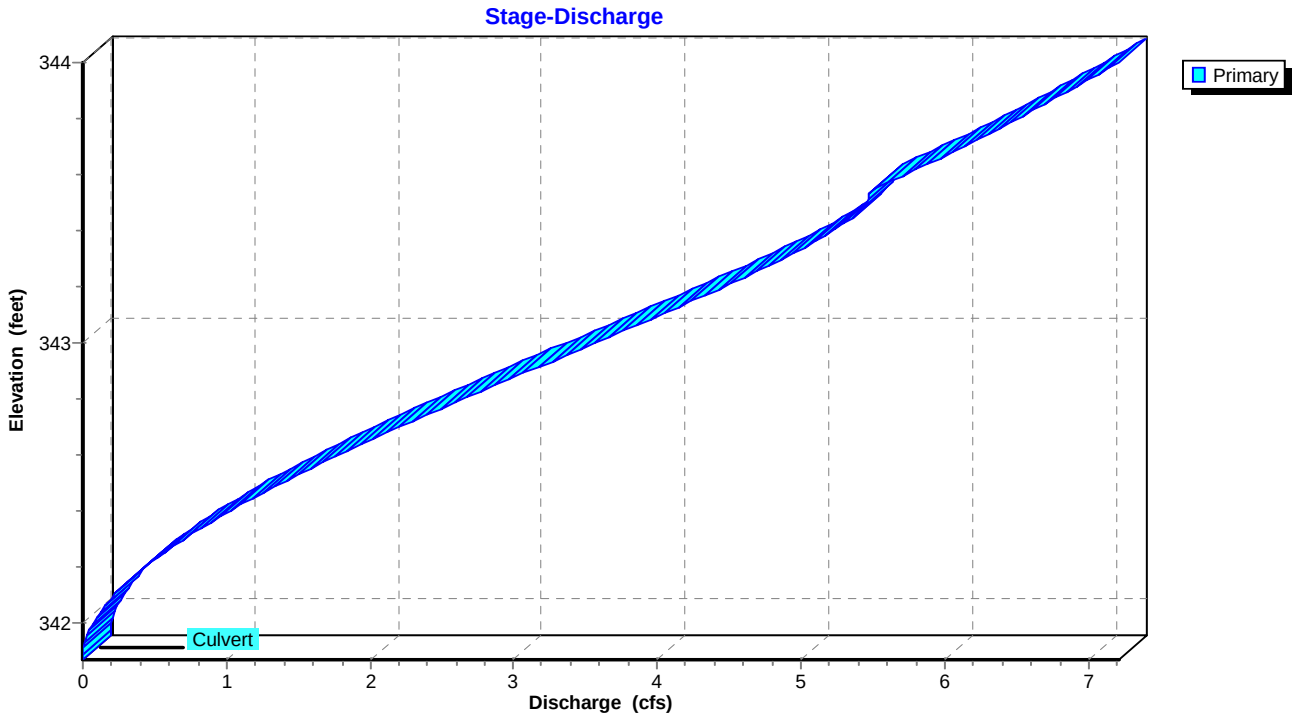
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

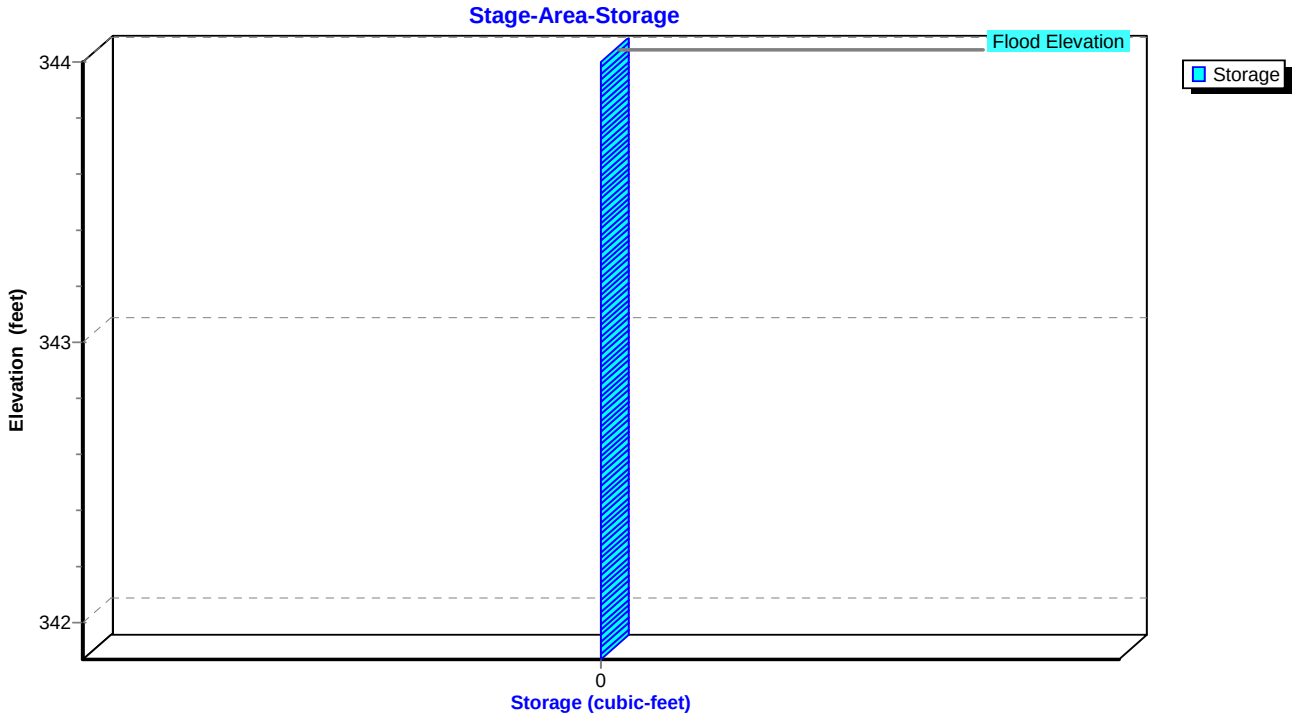
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

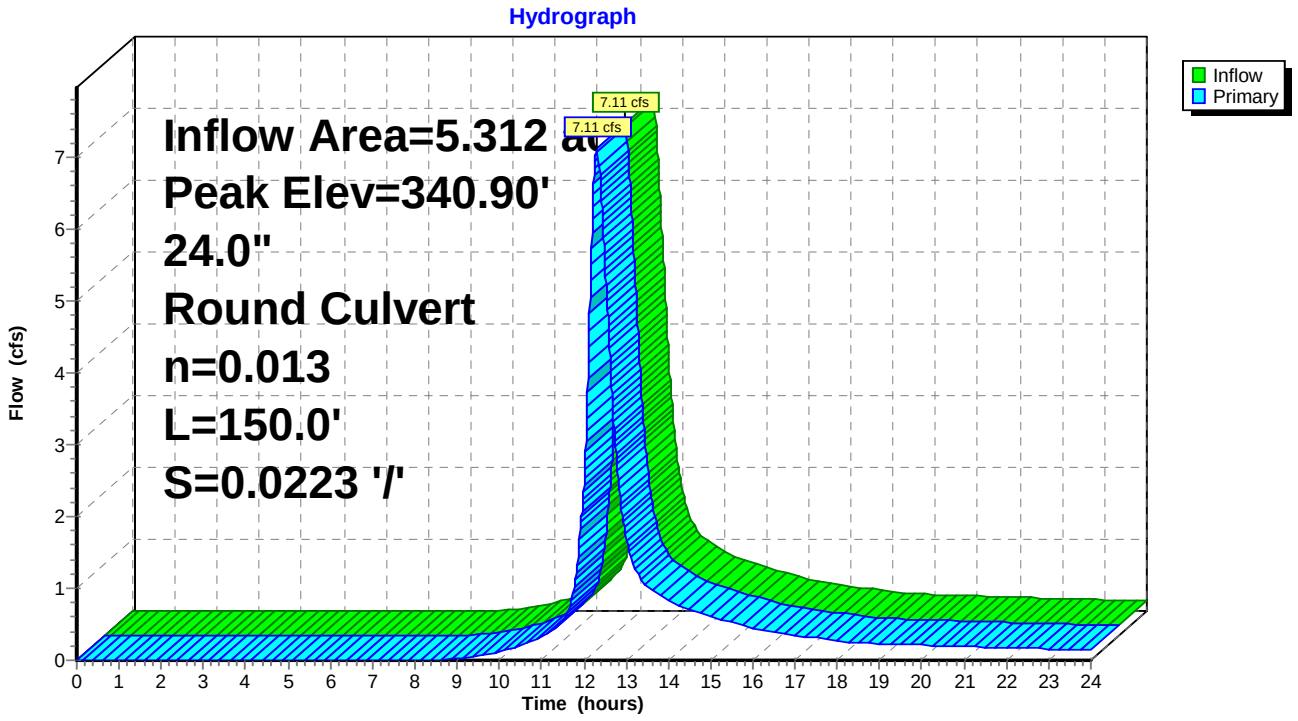
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 1.80" for 2-Year event
Inflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af
Outflow = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af, Atten= 0%, Lag= 0.0 min
Primary = 7.11 cfs @ 12.31 hrs, Volume= 0.796 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 340.90' @ 12.31 hrs
Flood Elev= 345.00'

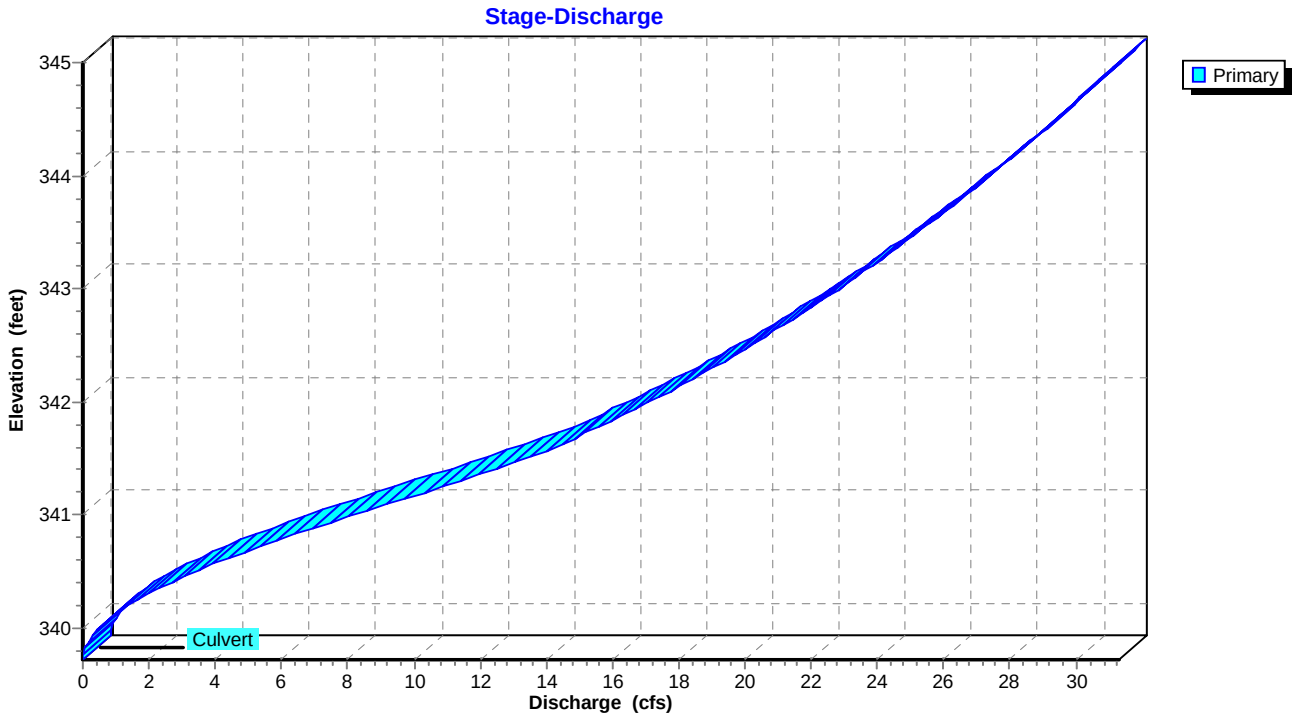
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.11 cfs @ 12.31 hrs HW=340.90' TW=335.56' (Dynamic Tailwater)
1=Culvert (Inlet Controls 7.11 cfs @ 3.69 fps)

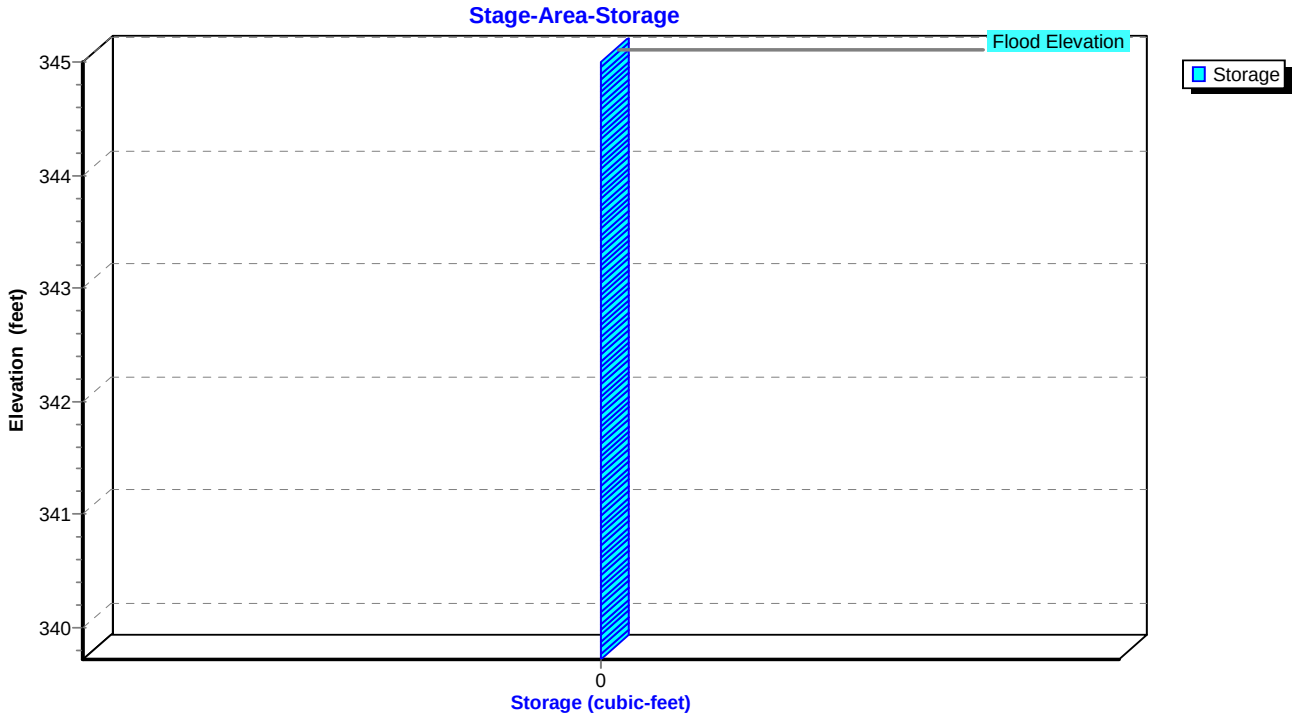
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.72	0.00
5.50	0.00	339.72	0.00
6.00	0.00	339.72	0.00
6.50	0.00	339.72	0.00
7.00	0.00	339.72	0.00
7.50	0.00	339.72	0.00
8.00	0.00	339.72	0.00
8.50	0.00	339.75	0.00
9.00	0.02	339.78	0.02
9.50	0.07	339.82	0.07
10.00	0.12	339.86	0.12
10.50	0.20	339.90	0.20
11.00	0.33	339.95	0.33
11.50	0.57	340.02	0.57
12.00	**2.43**	**340.37**	**2.43**
12.50	**5.54**	**340.74**	**5.54**
13.00	1.72	340.26	1.72
13.50	1.02	340.13	1.02
14.00	0.83	340.09	0.83
14.50	0.69	340.06	0.69
15.00	0.61	340.04	0.61
15.50	0.53	340.01	0.53
16.00	0.45	339.99	0.45
16.50	0.38	339.97	0.38
17.00	0.34	339.96	0.34
17.50	0.31	339.94	0.31
18.00	0.27	339.93	0.27
18.50	0.24	339.92	0.24
19.00	0.23	339.91	0.23
19.50	0.22	339.91	0.22
20.00	0.21	339.90	0.21
20.50	0.20	339.90	0.20
21.00	0.19	339.89	0.19
21.50	0.18	339.89	0.18
22.00	0.17	339.89	0.17
22.50	0.16	339.88	0.16
23.00	0.16	339.88	0.16
23.50	0.15	339.87	0.15
24.00	0.14	339.87	0.14

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

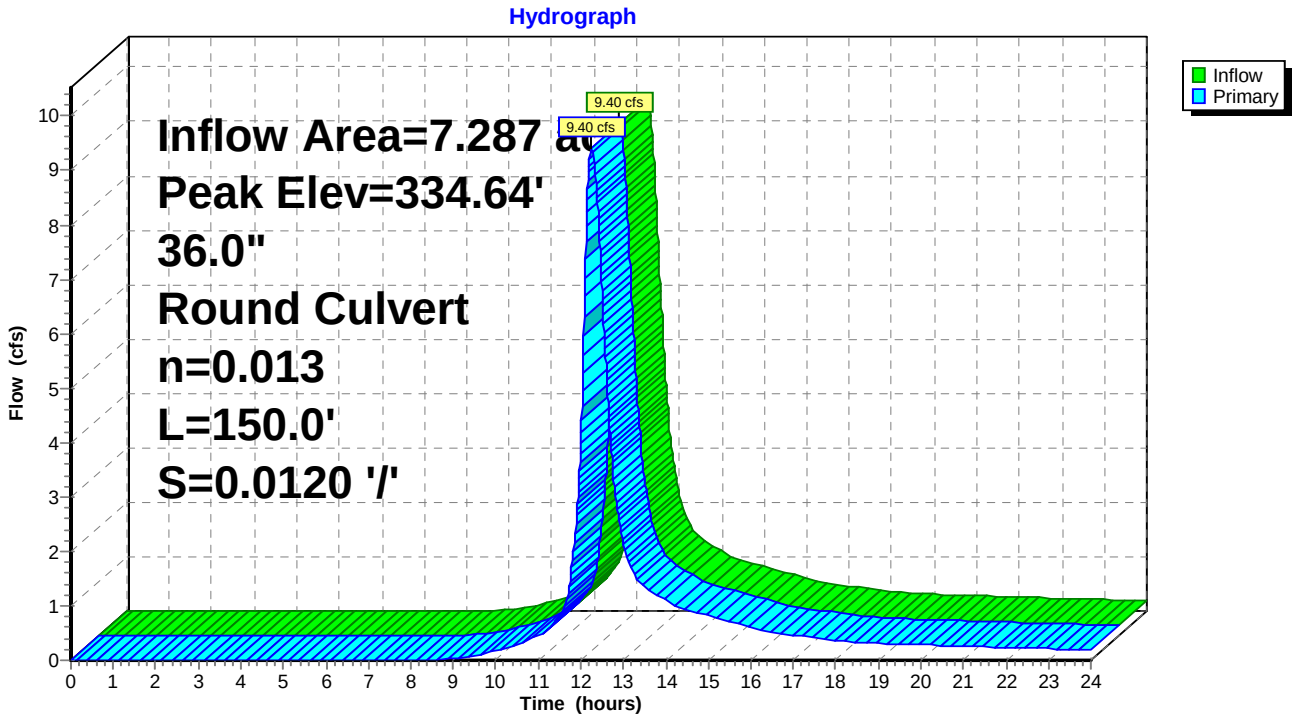
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.64' @ 12.26 hrs
Flood Elev= 337.75'

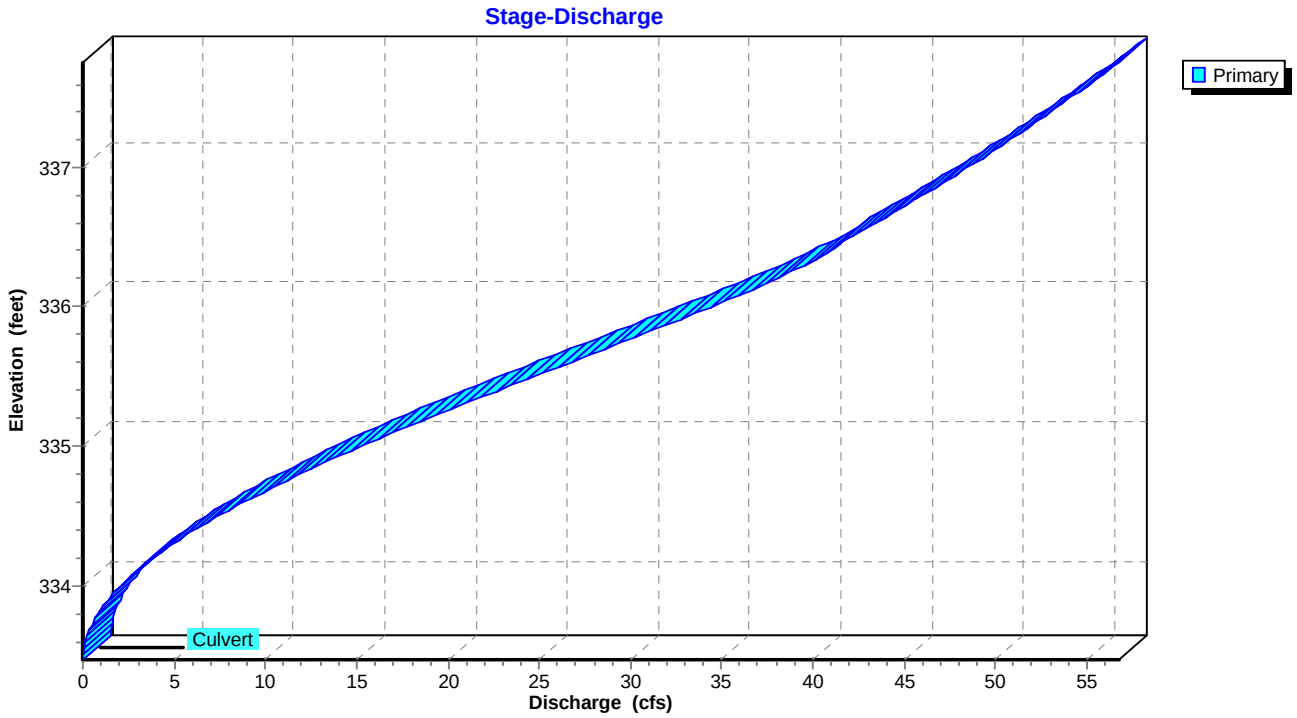
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=334.64' TW=331.30' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 9.40 cfs @ 3.68 fps)

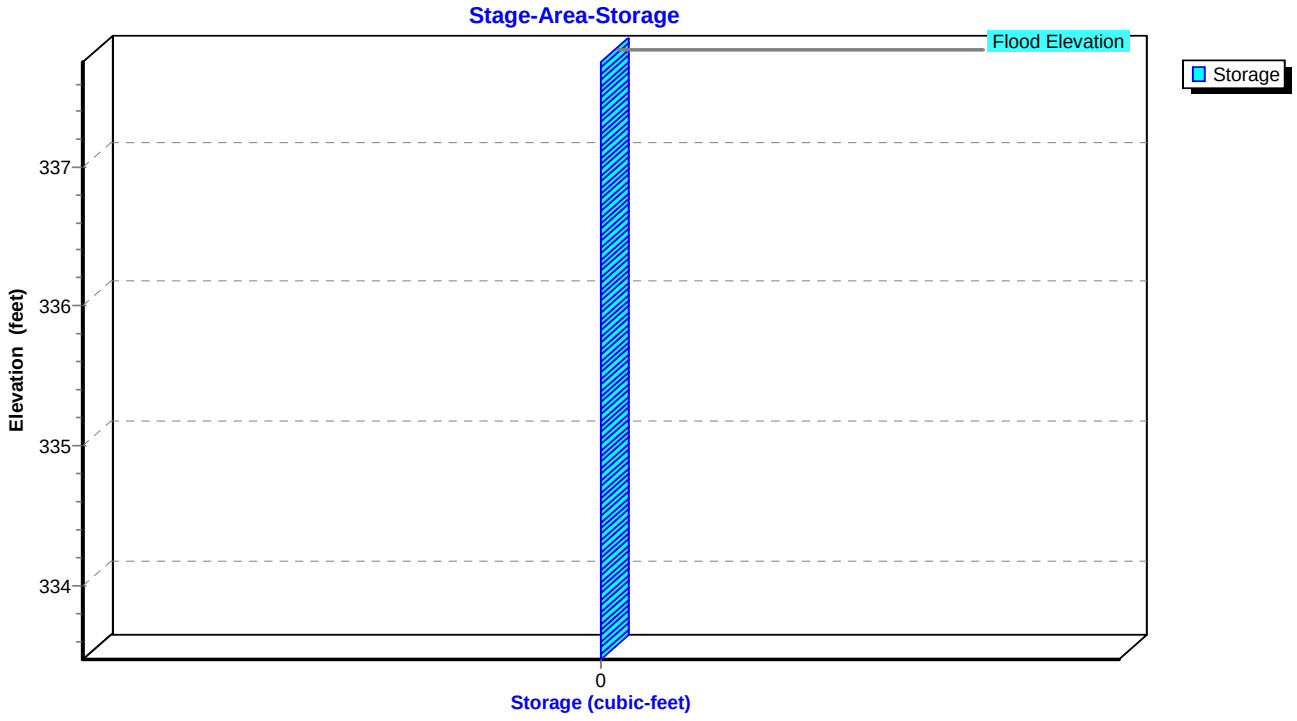
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.00	333.47	0.00
8.00	0.00	333.47	0.00
8.50	0.00	333.50	0.00
9.00	0.03	333.53	0.03
9.50	0.09	333.58	0.09
10.00	0.17	333.62	0.17
10.50	0.28	333.66	0.28
11.00	0.45	333.71	0.45
11.50	0.81	333.80	0.81
12.00	**3.98**	**334.21**	**3.98**
12.50	**6.79**	**334.45**	**6.79**
13.00	2.16	334.01	2.16
13.50	1.35	333.89	1.35
14.00	1.10	333.85	1.10
14.50	0.93	333.82	0.93
15.00	0.82	333.80	0.82
15.50	0.71	333.78	0.71
16.00	0.60	333.75	0.60
16.50	0.51	333.73	0.51
17.00	0.46	333.72	0.46
17.50	0.41	333.70	0.41
18.00	0.36	333.69	0.36
18.50	0.33	333.68	0.33
19.00	0.31	333.67	0.31
19.50	0.30	333.67	0.30
20.00	0.28	333.66	0.28
20.50	0.27	333.66	0.27
21.00	0.26	333.65	0.26
21.50	0.24	333.65	0.24
22.00	0.23	333.64	0.23
22.50	0.22	333.64	0.22
23.00	0.21	333.63	0.21
23.50	0.20	333.63	0.20
24.00	0.19	333.63	0.19

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

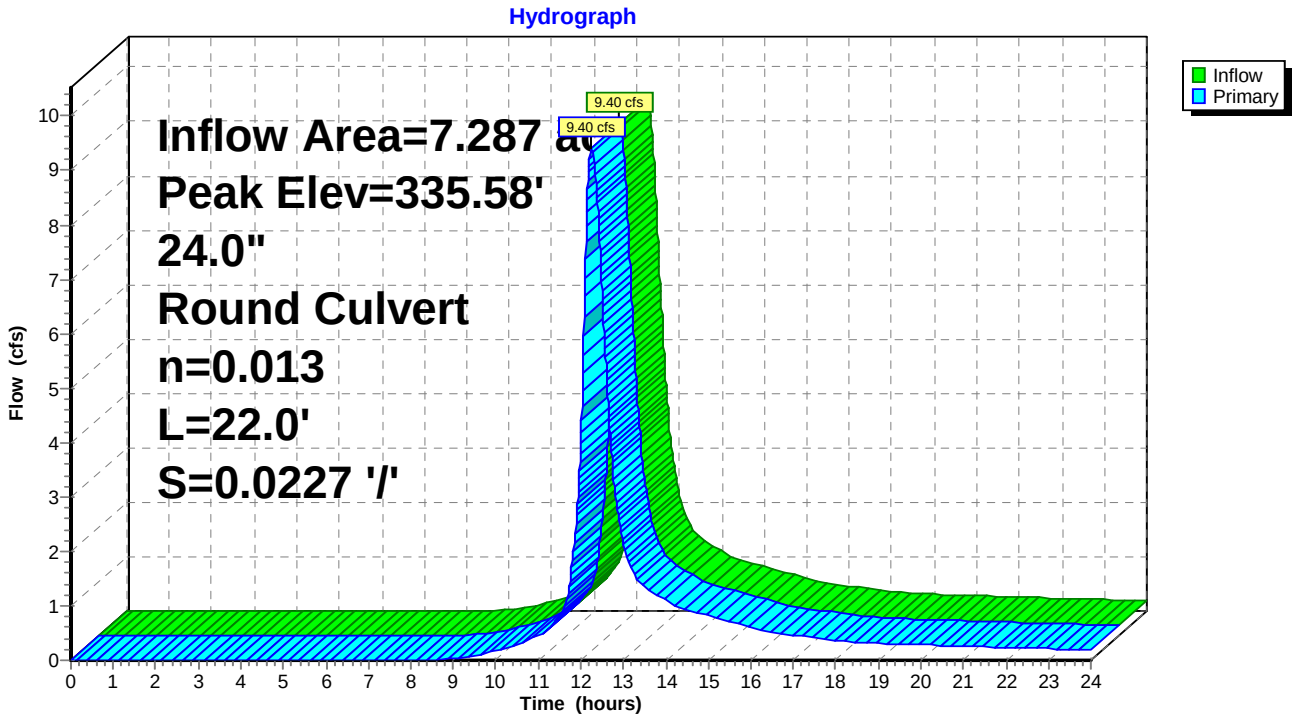
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 1.77" for 2-Year event
Inflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af
Outflow = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af, Atten= 0%, Lag= 0.0 min
Primary = 9.40 cfs @ 12.26 hrs, Volume= 1.077 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.58' @ 12.26 hrs
Flood Elev= 339.50'

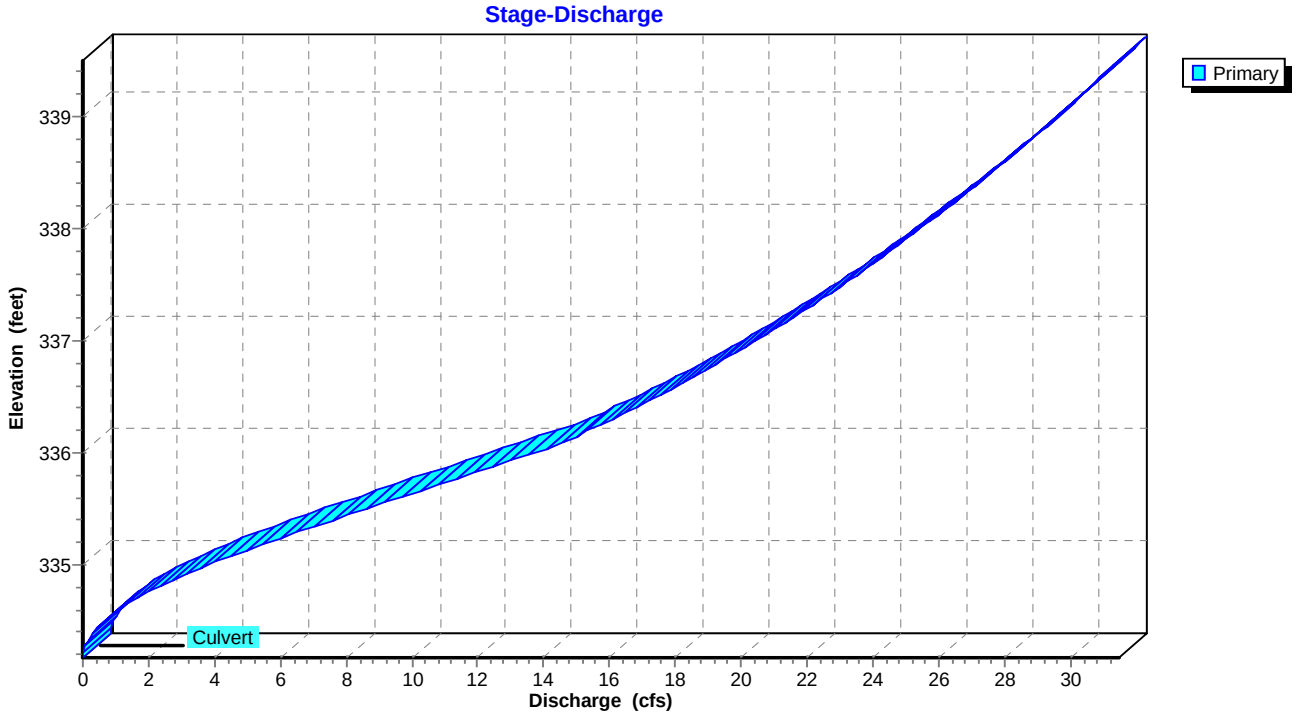
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.40 cfs @ 12.26 hrs HW=335.58' TW=334.64' (Dynamic Tailwater)
└**1=Culvert** (Barrel Controls 9.40 cfs @ 5.58 fps)

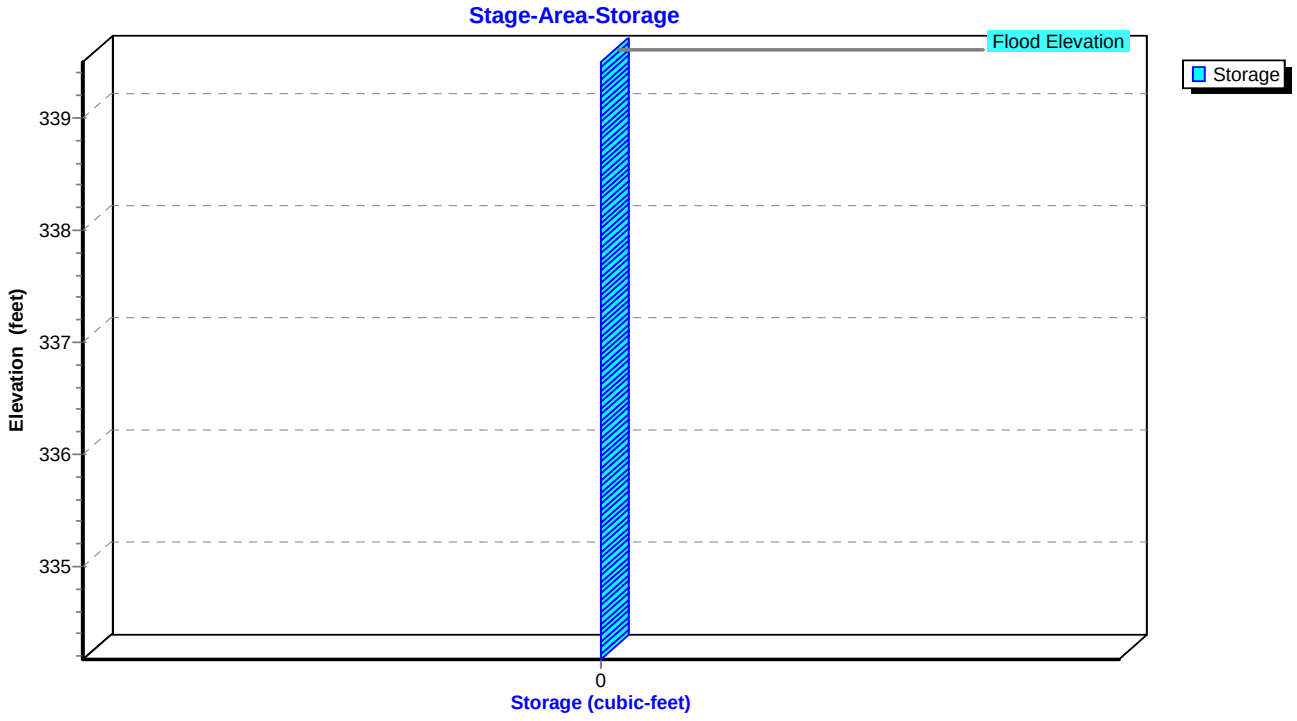
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.17	0.00
5.50	0.00	334.17	0.00
6.00	0.00	334.17	0.00
6.50	0.00	334.17	0.00
7.00	0.00	334.17	0.00
7.50	0.00	334.17	0.00
8.00	0.00	334.17	0.00
8.50	0.00	334.20	0.00
9.00	0.03	334.24	0.03
9.50	0.09	334.29	0.09
10.00	0.17	334.33	0.17
10.50	0.28	334.38	0.28
11.00	0.45	334.44	0.45
11.50	0.81	334.54	0.81
12.00	**3.98**	**335.02**	**3.98**
12.50	**6.79**	**335.32**	**6.79**
13.00	2.16	334.78	2.16
13.50	1.35	334.65	1.35
14.00	1.10	334.60	1.10
14.50	0.93	334.56	0.93
15.00	0.82	334.54	0.82
15.50	0.71	334.51	0.71
16.00	0.60	334.48	0.60
16.50	0.51	334.46	0.51
17.00	0.46	334.44	0.46
17.50	0.41	334.43	0.41
18.00	0.36	334.41	0.36
18.50	0.33	334.40	0.33
19.00	0.31	334.39	0.31
19.50	0.30	334.39	0.30
20.00	0.28	334.38	0.28
20.50	0.27	334.38	0.27
21.00	0.26	334.37	0.26
21.50	0.24	334.37	0.24
22.00	0.23	334.36	0.23
22.50	0.22	334.36	0.22
23.00	0.21	334.35	0.21
23.50	0.20	334.35	0.20
24.00	0.19	334.34	0.19

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

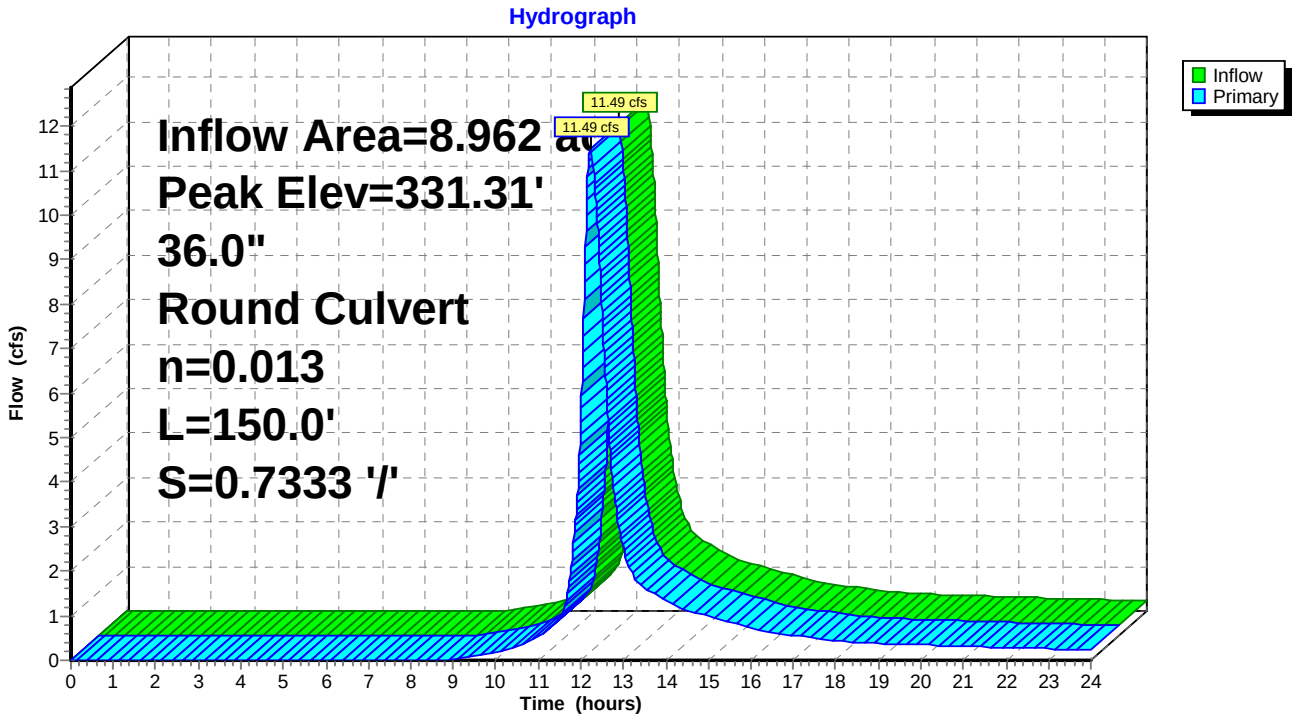
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 1.73" for 2-Year event
Inflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af
Outflow = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af, Atten= 0%, Lag= 0.0 min
Primary = 11.49 cfs @ 12.22 hrs, Volume= 1.295 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.31' @ 12.22 hrs
Flood Elev= 335.00'

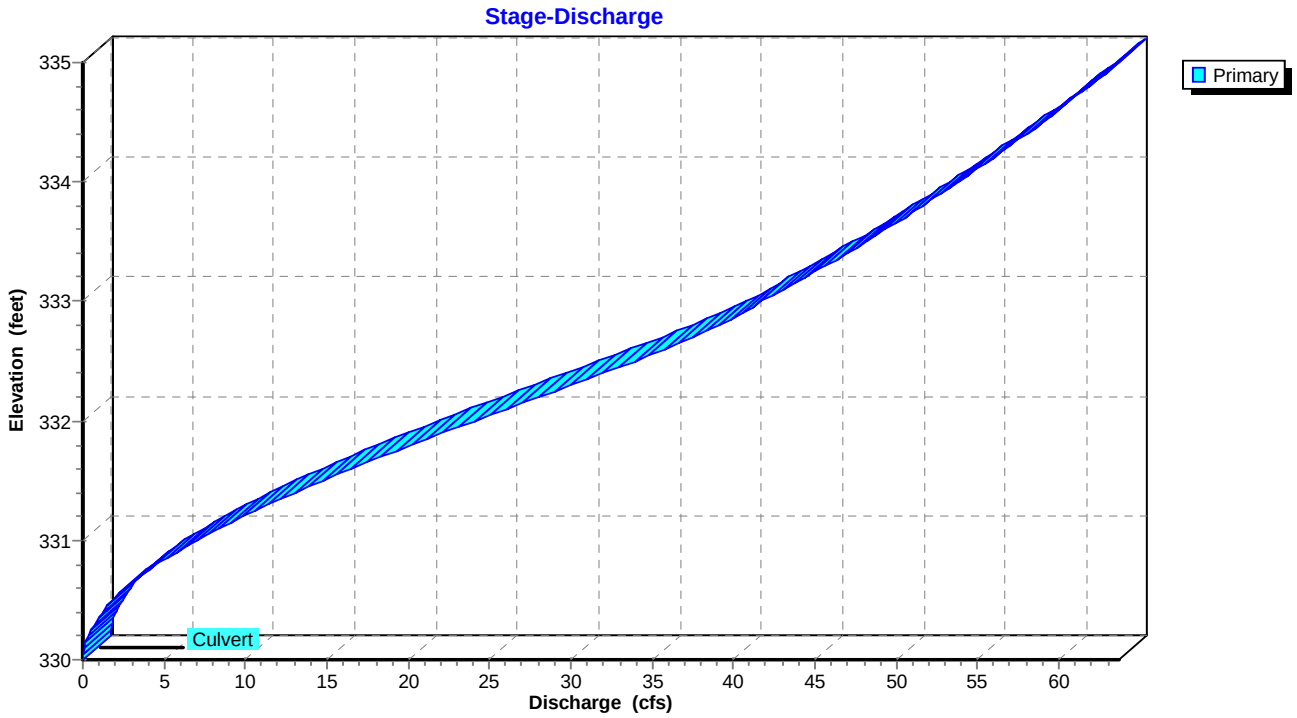
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=11.49 cfs @ 12.22 hrs HW=331.31' TW=0.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 11.49 cfs @ 3.89 fps)

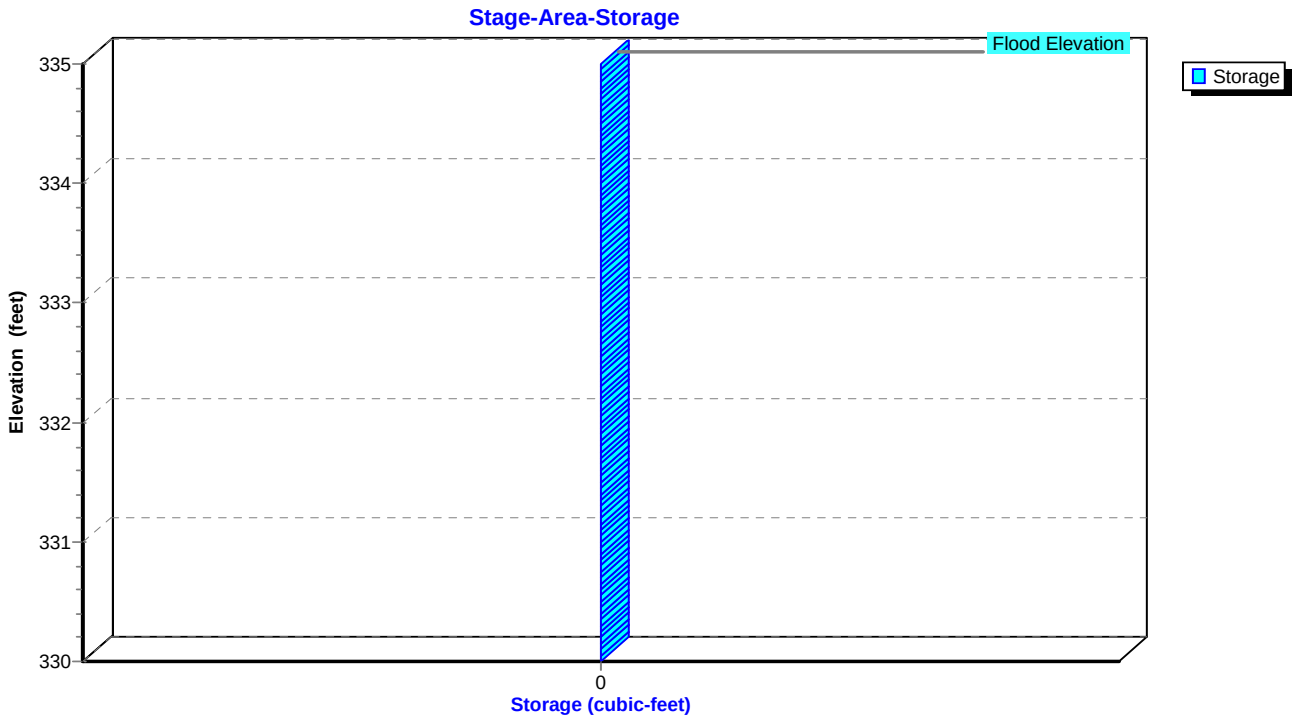
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.00	0.00
5.50	0.00	330.00	0.00
6.00	0.00	330.00	0.00
6.50	0.00	330.00	0.00
7.00	0.00	330.00	0.00
7.50	0.00	330.00	0.00
8.00	0.00	330.00	0.00
8.50	0.00	330.02	0.00
9.00	0.03	330.06	0.03
9.50	0.09	330.11	0.09
10.00	0.19	330.16	0.19
10.50	0.32	330.20	0.32
11.00	0.53	330.26	0.53
11.50	0.97	330.36	0.97
12.00	**5.37**	**330.87**	**5.37**
12.50	**7.83**	**331.06**	**7.83**
13.00	2.52	330.58	2.52
13.50	1.62	330.47	1.62
14.00	1.33	330.42	1.33
14.50	1.13	330.39	1.13
15.00	0.99	330.36	0.99
15.50	0.86	330.34	0.86
16.00	0.72	330.31	0.72
16.50	0.62	330.29	0.62
17.00	0.56	330.27	0.56
17.50	0.50	330.26	0.50
18.00	0.44	330.24	0.44
18.50	0.40	330.23	0.40
19.00	0.38	330.22	0.38
19.50	0.36	330.22	0.36
20.00	0.34	330.21	0.34
20.50	0.32	330.21	0.32
21.00	0.31	330.20	0.31
21.50	0.30	330.20	0.30
22.00	0.28	330.19	0.28
22.50	0.27	330.19	0.27
23.00	0.26	330.18	0.26
23.50	0.24	330.18	0.24
24.00	0.23	330.17	0.23

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

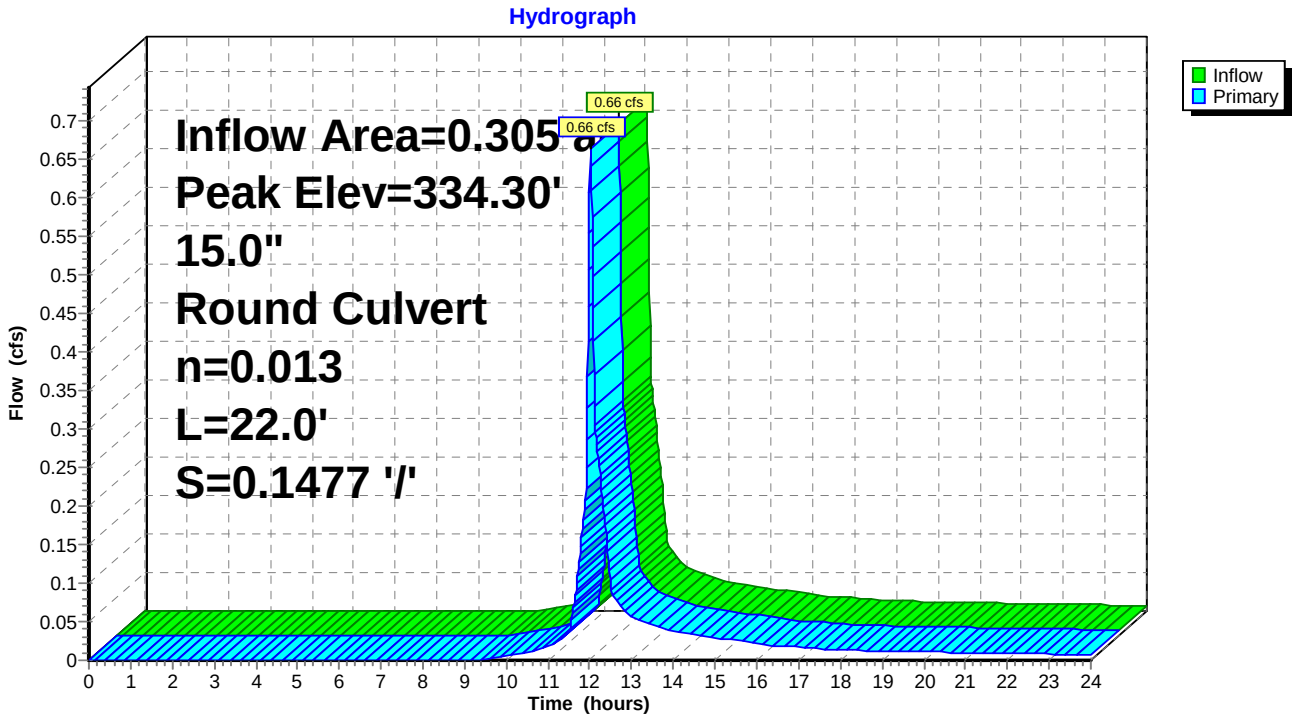
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 1.57" for 2-Year event
Inflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af
Outflow = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.02 hrs, Volume= 0.040 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.30' @ 12.02 hrs
Flood Elev= 336.50'

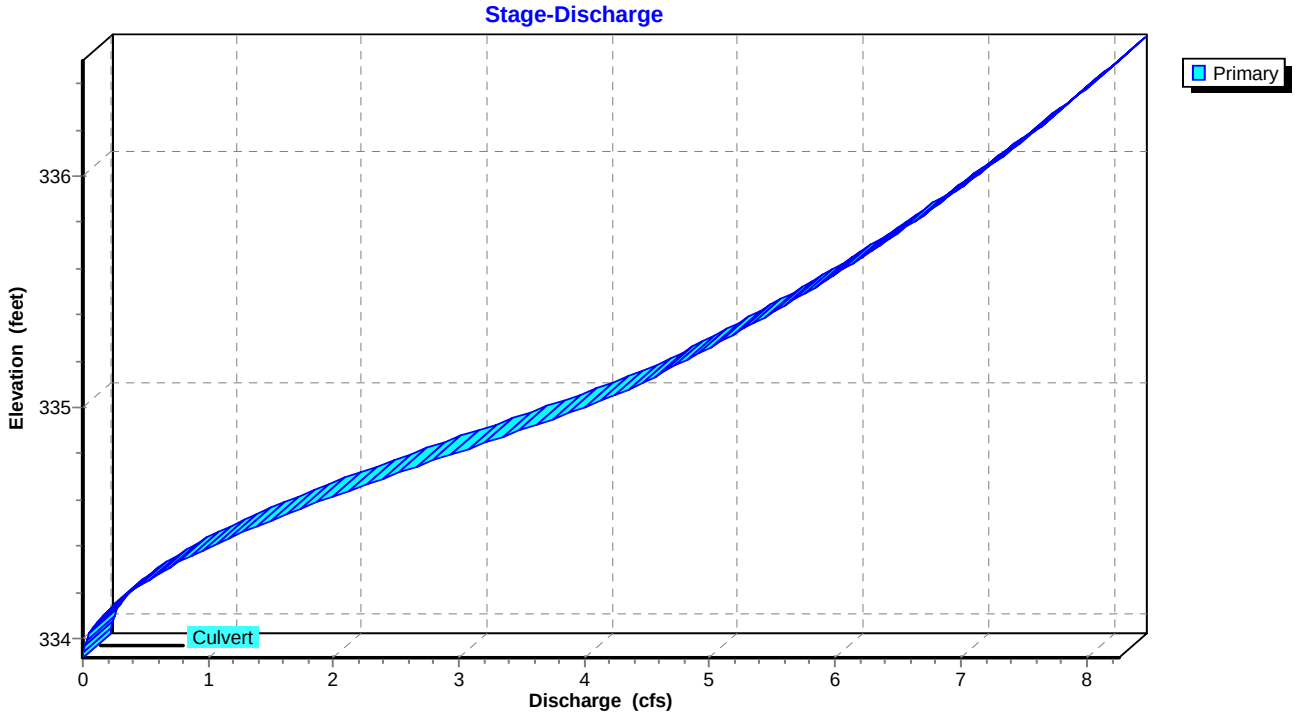
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.66 cfs @ 12.02 hrs HW=334.30' TW=330.91' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 0.66 cfs @ 2.10 fps)

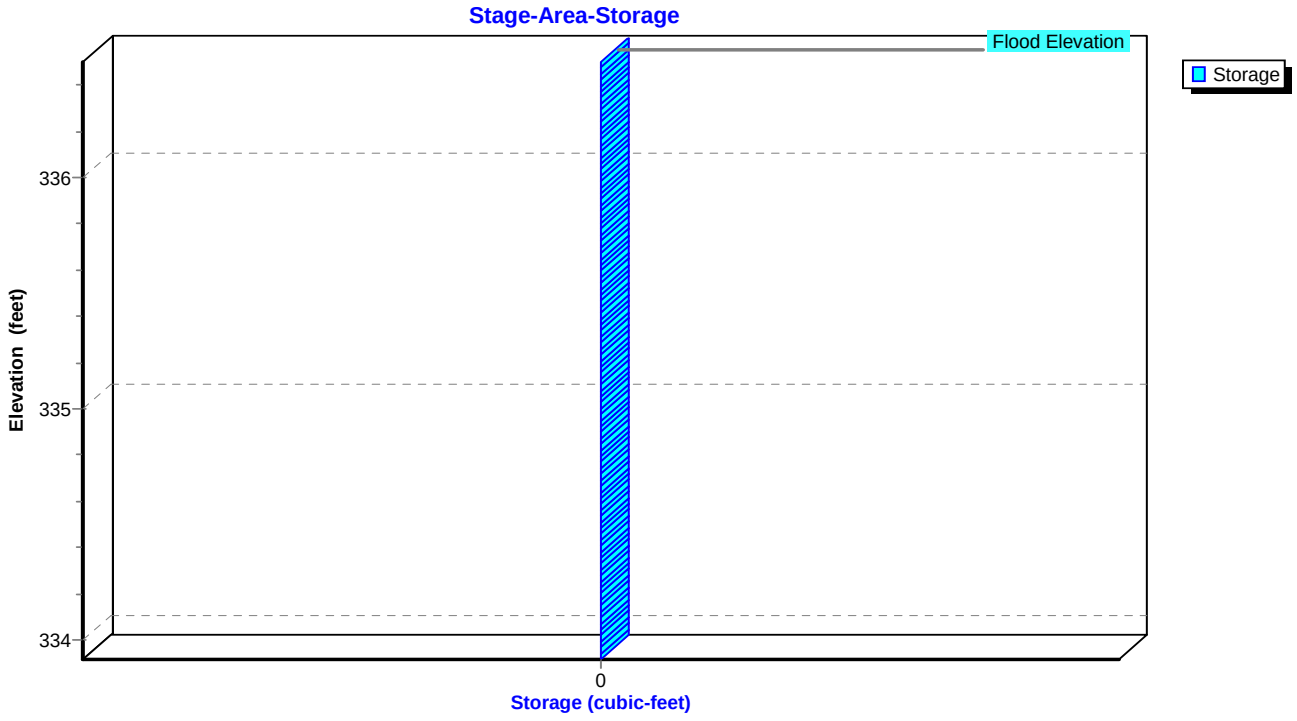
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.92	0.00
9.00	0.00	333.92	0.00
9.50	0.00	333.94	0.00
10.00	0.00	333.95	0.00
10.50	0.01	333.96	0.01
11.00	0.02	333.98	0.02
11.50	0.04	334.01	0.04
12.00	**0.61**	**334.28**	**0.61**
12.50	**0.09**	**334.06**	**0.09**
13.00	0.05	334.03	0.05
13.50	0.05	334.02	0.05
14.00	0.04	334.01	0.04
14.50	0.03	334.00	0.03
15.00	0.03	334.00	0.03
15.50	0.03	333.99	0.03
16.00	0.02	333.98	0.02
16.50	0.02	333.98	0.02
17.00	0.02	333.98	0.02
17.50	0.02	333.97	0.02
18.00	0.01	333.97	0.01
18.50	0.01	333.97	0.01
19.00	0.01	333.97	0.01
19.50	0.01	333.97	0.01
20.00	0.01	333.97	0.01
20.50	0.01	333.97	0.01
21.00	0.01	333.96	0.01
21.50	0.01	333.96	0.01
22.00	0.01	333.96	0.01
22.50	0.01	333.96	0.01
23.00	0.01	333.96	0.01
23.50	0.01	333.96	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

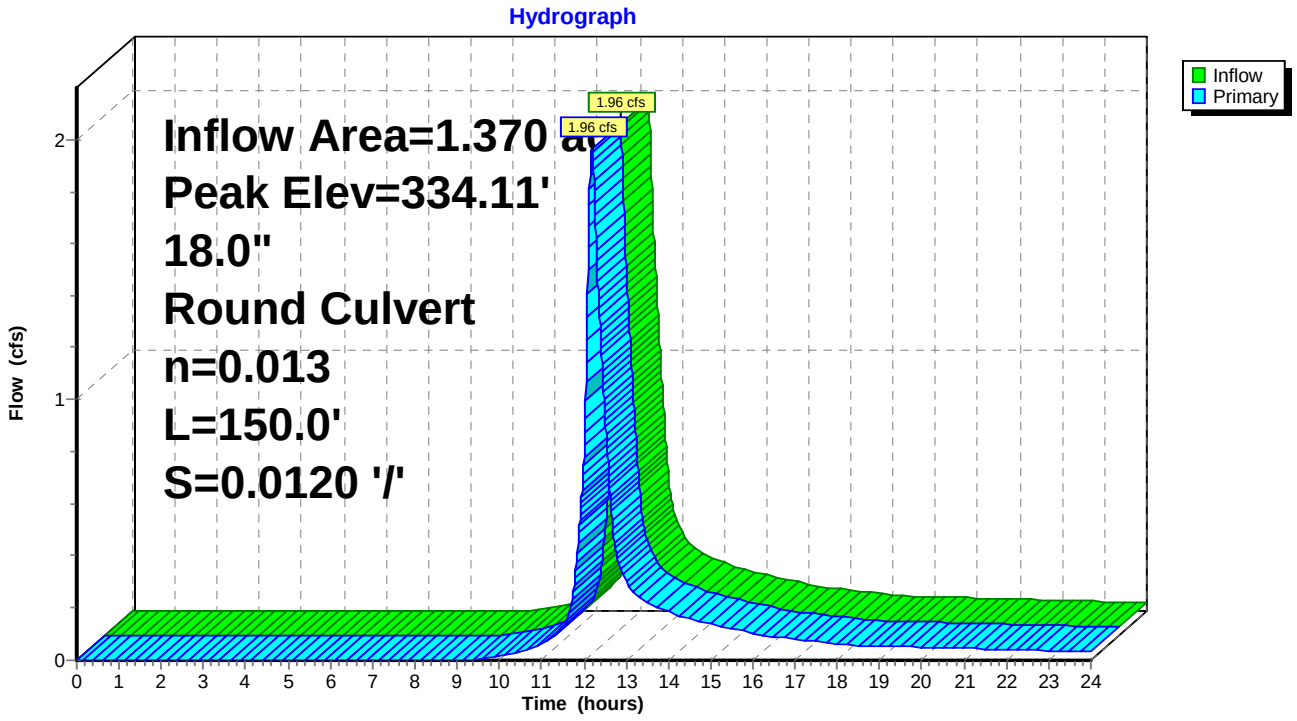
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af
Outflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.11' @ 12.19 hrs
Flood Elev= 337.00'

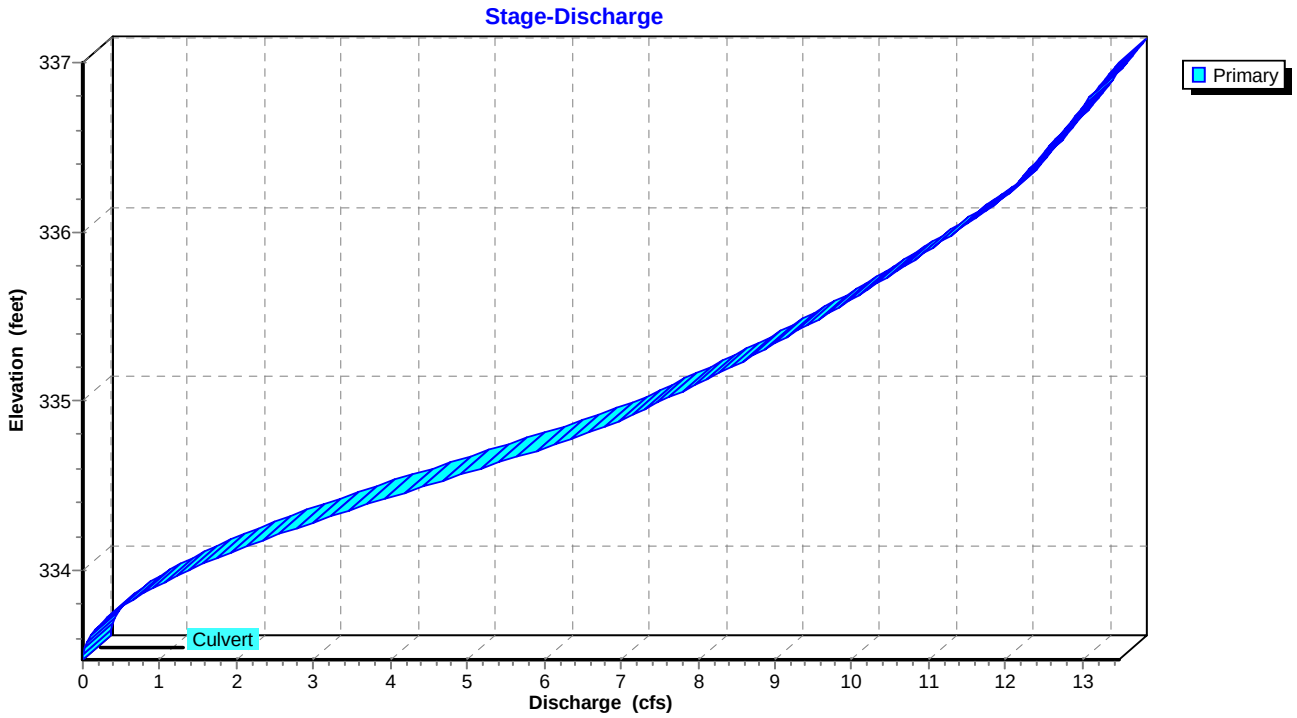
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.96 cfs @ 12.19 hrs HW=334.11' TW=331.30' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.96 cfs @ 2.73 fps)

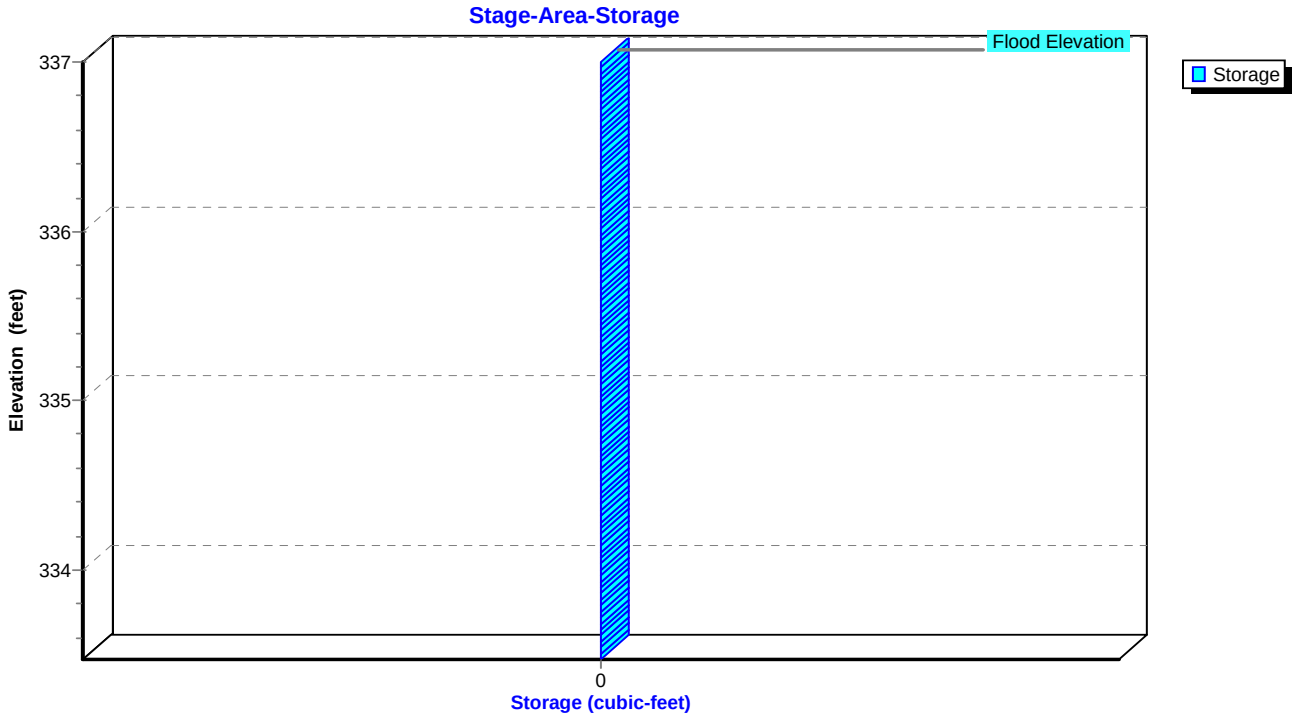
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.00	333.47	0.00
8.00	0.00	333.47	0.00
8.50	0.00	333.47	0.00
9.00	0.00	333.47	0.00
9.50	0.00	333.50	0.00
10.00	0.02	333.53	0.02
10.50	0.03	333.55	0.03
11.00	0.06	333.58	0.06
11.50	0.13	333.62	0.13
12.00	**0.78**	**333.86**	**0.78**
12.50	**0.95**	**333.90**	**0.95**
13.00	0.30	333.71	0.30
13.50	0.22	333.67	0.22
14.00	0.18	333.66	0.18
14.50	0.16	333.64	0.16
15.00	0.14	333.63	0.14
15.50	0.12	333.62	0.12
16.00	0.10	333.61	0.10
16.50	0.09	333.60	0.09
17.00	0.08	333.59	0.08
17.50	0.07	333.58	0.07
18.00	0.06	333.58	0.06
18.50	0.06	333.57	0.06
19.00	0.05	333.57	0.05
19.50	0.05	333.57	0.05
20.00	0.05	333.57	0.05
20.50	0.05	333.56	0.05
21.00	0.04	333.56	0.04
21.50	0.04	333.56	0.04
22.00	0.04	333.56	0.04
22.50	0.04	333.56	0.04
23.00	0.04	333.55	0.04
23.50	0.03	333.55	0.03
24.00	0.03	333.55	0.03

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)
333.47	**0**
333.52	0
333.57	0
333.62	0
333.67	0
333.72	0
333.77	0
333.82	0
333.87	0
333.92	0
333.97	0
334.02	0
334.07	0
334.12	0
334.17	0
334.22	0
334.27	0
334.32	0
334.37	0
334.42	0
334.47	0
334.52	0
334.57	0
334.62	0
334.67	0
334.72	0
334.77	0
334.82	0
334.87	0
334.92	0
334.97	0
335.02	0
335.07	0
335.12	0
335.17	0
335.22	0
335.27	0
335.32	0
335.37	0
335.42	0
335.47	0
335.52	0
335.57	0
335.62	0
335.67	0
335.72	0
335.77	0
335.82	0
335.87	0
335.92	0
335.97	0

Elevation (feet)	Storage (cubic-feet)
336.02	0
336.07	0
336.12	0
336.17	0
336.22	0
336.27	0
336.32	0
336.37	0
336.42	0
336.47	0
336.52	0
336.57	0
336.62	0
336.67	0
336.72	0
336.77	0
336.82	0
336.87	0
336.92	0
336.97	0

Summary for Pond CB6-1: CB1-1

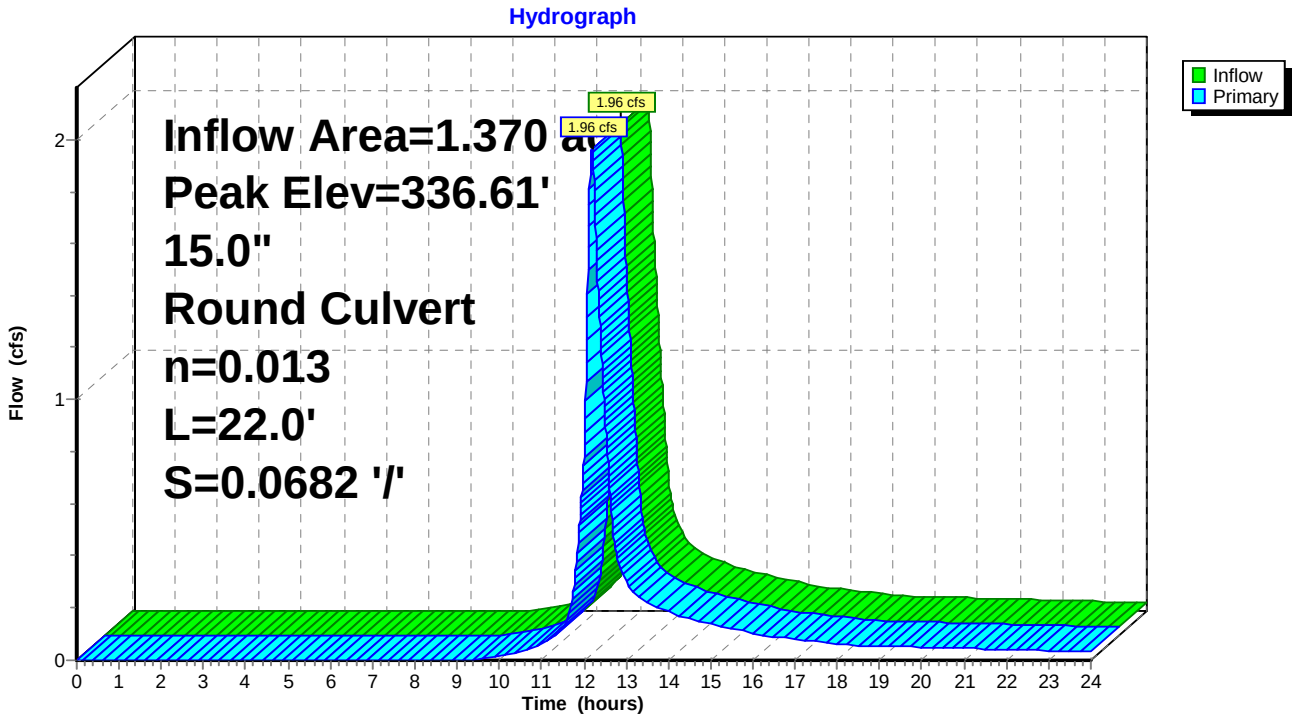
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af
Outflow = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.19 hrs, Volume= 0.178 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.61' @ 12.19 hrs
Flood Elev= 338.50'

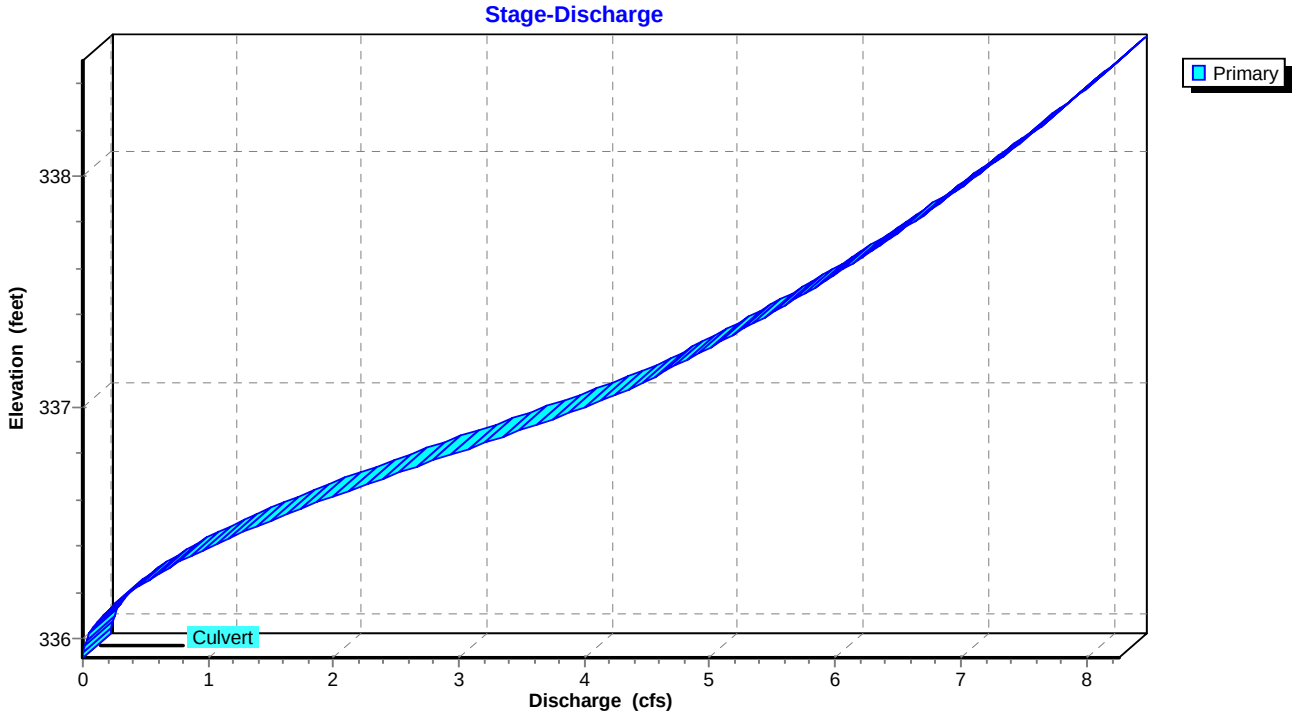
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.96 cfs @ 12.19 hrs HW=336.61' TW=334.11' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.96 cfs @ 2.83 fps)

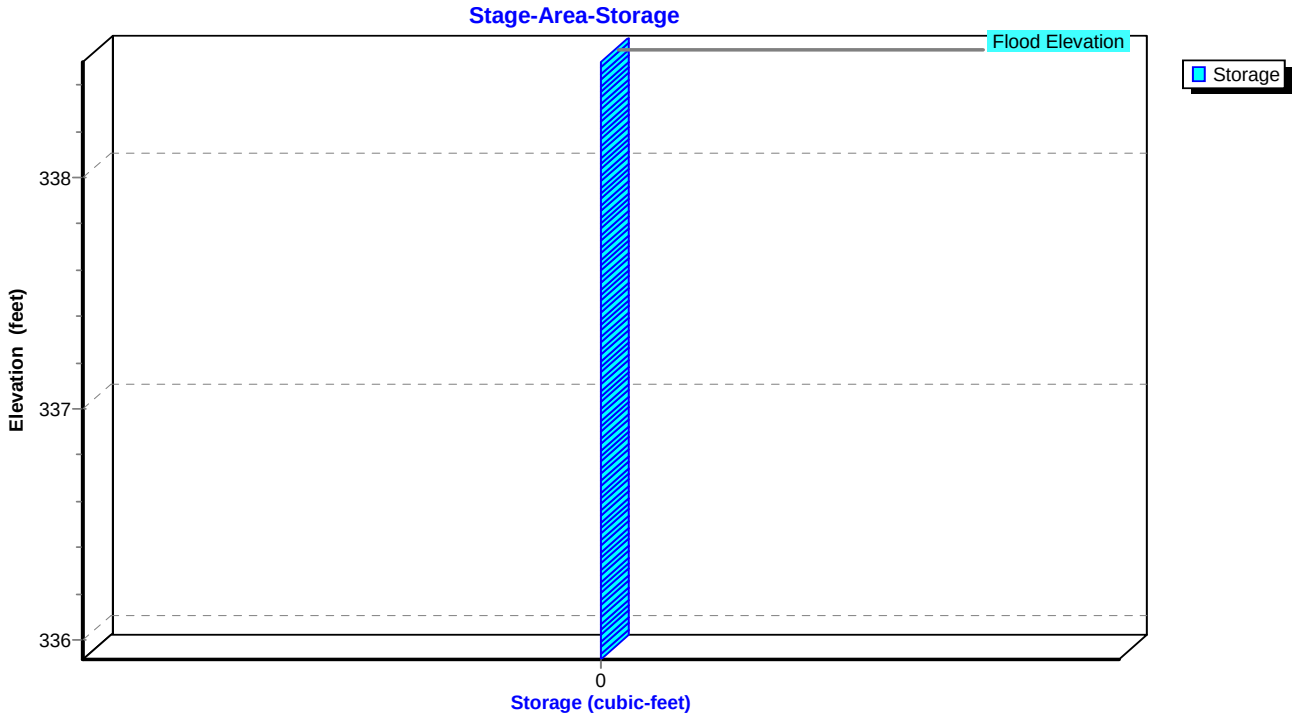
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.92	0.00
9.00	0.00	335.92	0.00
9.50	0.00	335.94	0.00
10.00	0.02	335.98	0.02
10.50	0.03	336.00	0.03
11.00	0.06	336.03	0.06
11.50	0.13	336.08	0.13
12.00	**0.78**	**336.34**	**0.78**
12.50	**0.95**	**336.38**	**0.95**
13.00	0.30	336.17	0.30
13.50	0.22	336.14	0.22
14.00	0.18	336.12	0.18
14.50	0.16	336.10	0.16
15.00	0.14	336.09	0.14
15.50	0.12	336.08	0.12
16.00	0.10	336.06	0.10
16.50	0.09	336.05	0.09
17.00	0.08	336.05	0.08
17.50	0.07	336.04	0.07
18.00	0.06	336.03	0.06
18.50	0.06	336.03	0.06
19.00	0.05	336.02	0.05
19.50	0.05	336.02	0.05
20.00	0.05	336.02	0.05
20.50	0.05	336.02	0.05
21.00	0.04	336.02	0.04
21.50	0.04	336.01	0.04
22.00	0.04	336.01	0.04
22.50	0.04	336.01	0.04
23.00	0.04	336.01	0.04
23.50	0.03	336.00	0.03
24.00	0.03	336.00	0.03

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

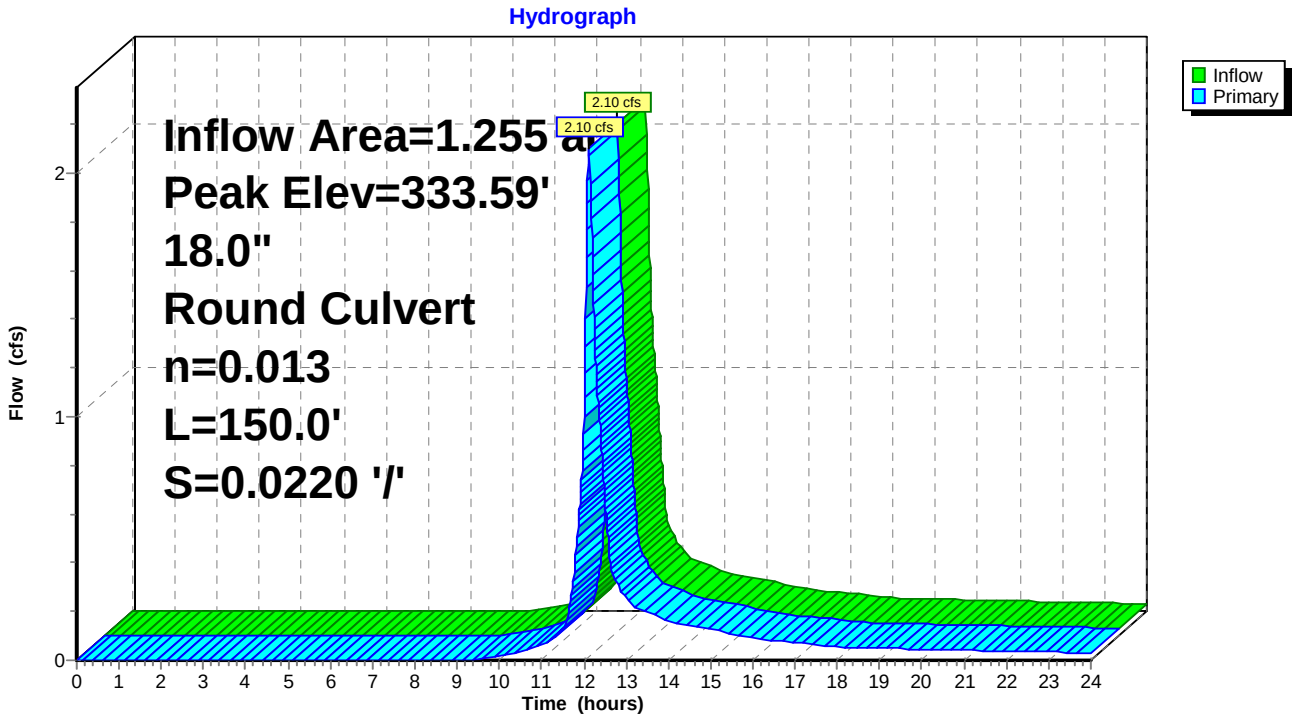
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af
Outflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.59' @ 12.12 hrs
Flood Elev= 335.75'

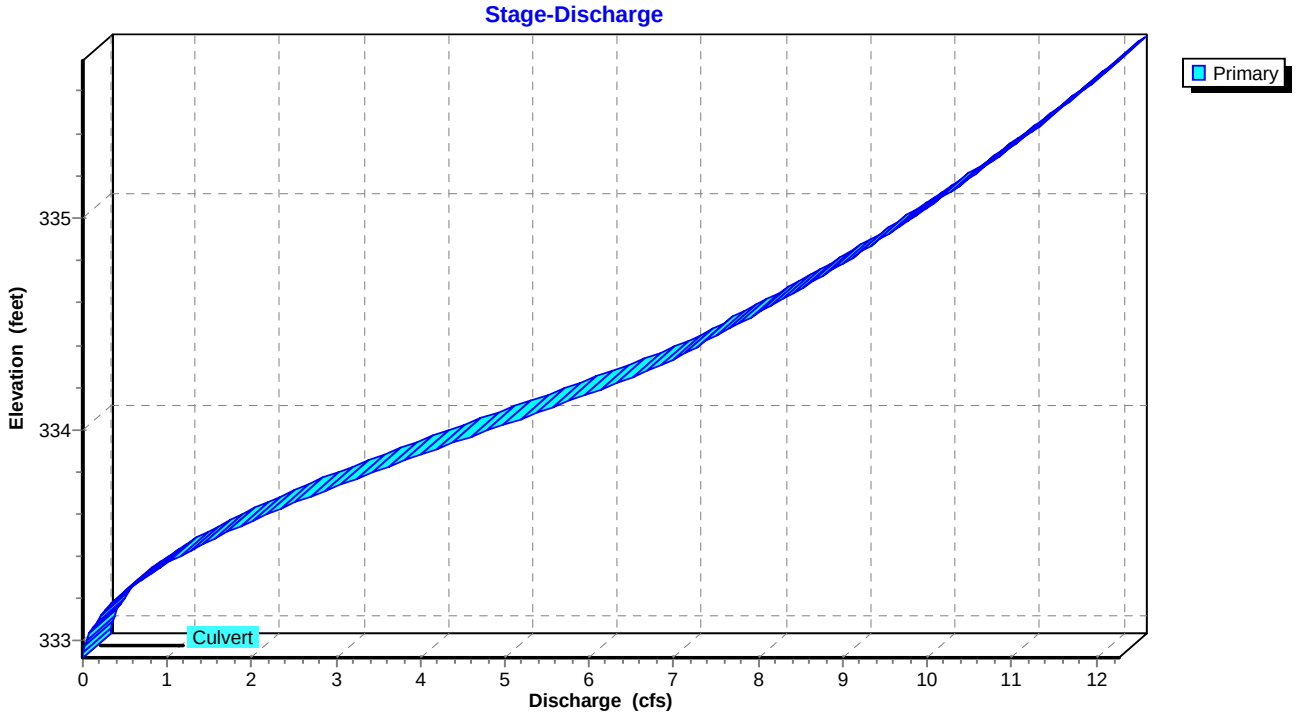
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.10 cfs @ 12.12 hrs HW=333.58' TW=330.18' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.10 cfs @ 2.78 fps)

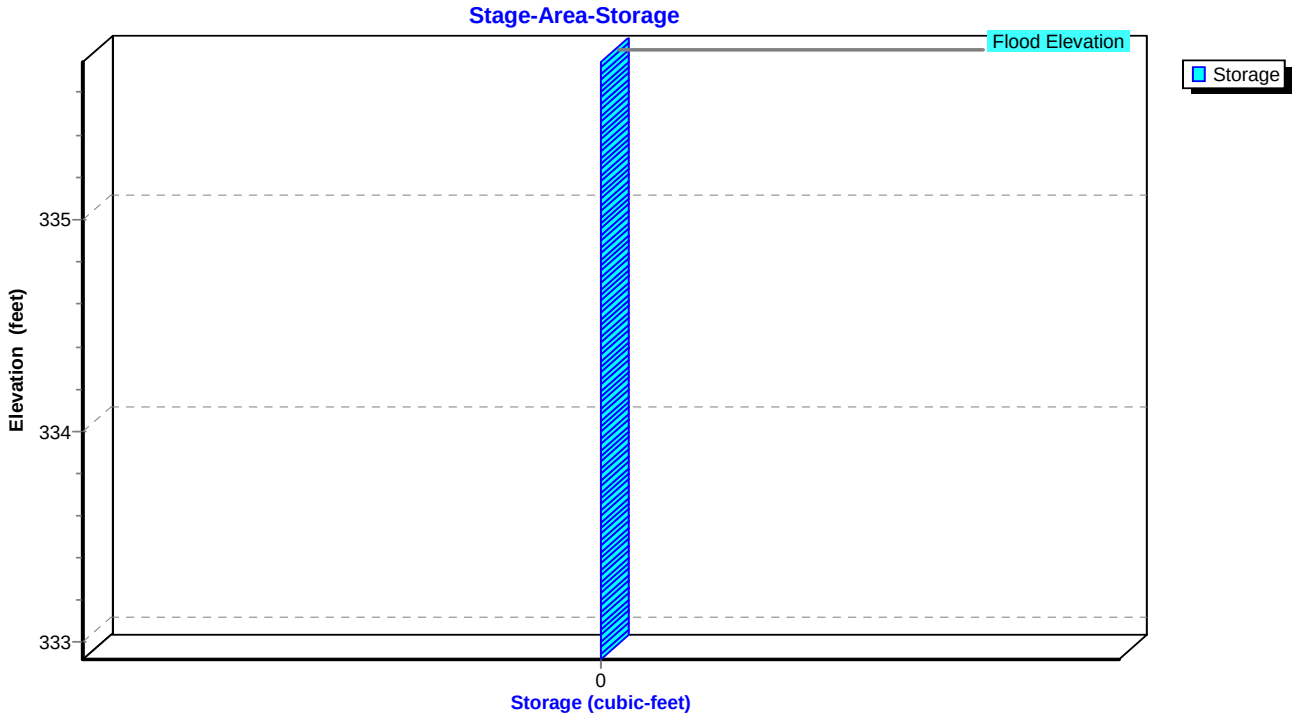
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.00	332.92	0.00
7.00	0.00	332.92	0.00
7.50	0.00	332.92	0.00
8.00	0.00	332.92	0.00
8.50	0.00	332.92	0.00
9.00	0.00	332.92	0.00
9.50	0.00	332.95	0.00
10.00	0.02	332.97	0.02
10.50	0.03	333.00	0.03
11.00	0.06	333.03	0.06
11.50	0.13	333.08	0.13
12.00	**1.00**	**333.36**	**1.00**
12.50	**0.67**	**333.28**	**0.67**
13.00	0.26	333.14	0.26
13.50	0.20	333.11	0.20
14.00	0.16	333.09	0.16
14.50	0.14	333.08	0.14
15.00	0.13	333.07	0.13
15.50	0.11	333.06	0.11
16.00	0.09	333.05	0.09
16.50	0.08	333.04	0.08
17.00	0.07	333.03	0.07
17.50	0.06	333.03	0.06
18.00	0.06	333.02	0.06
18.50	0.05	333.02	0.05
19.00	0.05	333.02	0.05
19.50	0.05	333.01	0.05
20.00	0.04	333.01	0.04
20.50	0.04	333.01	0.04
21.00	0.04	333.01	0.04
21.50	0.04	333.00	0.04
22.00	0.04	333.00	0.04
22.50	0.04	333.00	0.04
23.00	0.03	333.00	0.03
23.50	0.03	333.00	0.03
24.00	0.03	332.99	0.03

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

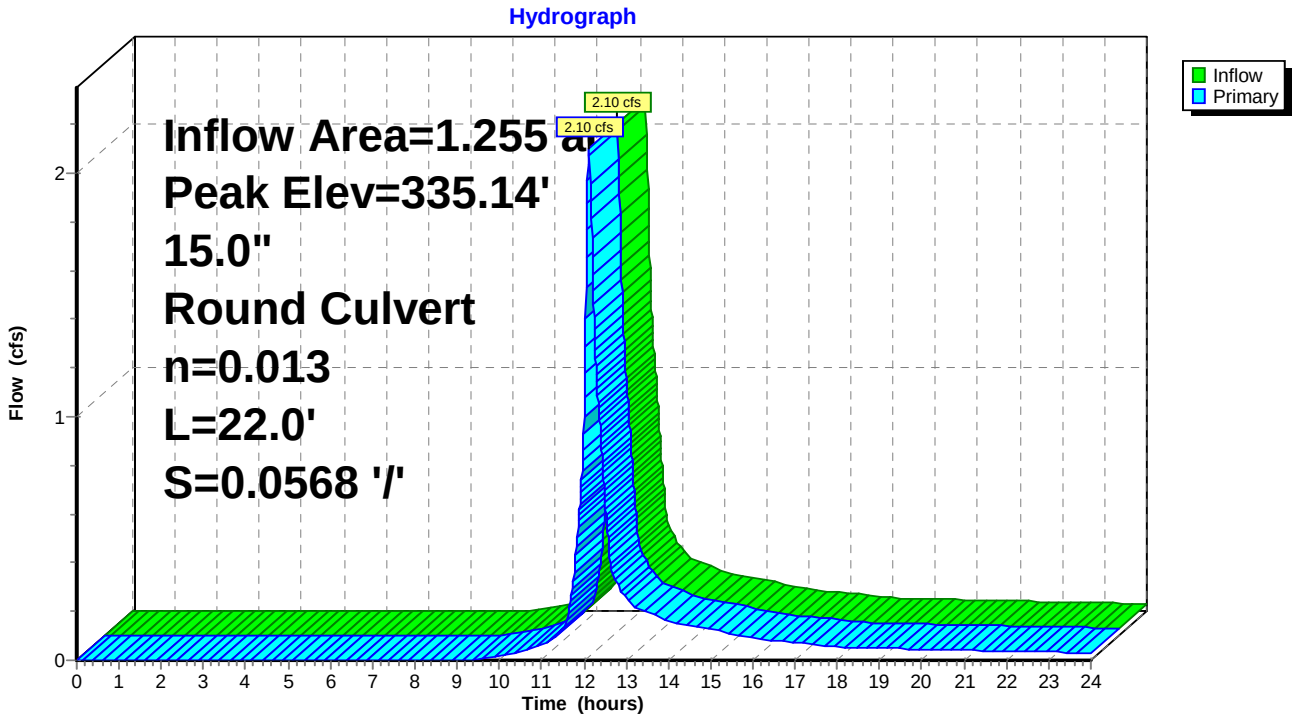
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 1.56" for 2-Year event
Inflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af
Outflow = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af, Atten= 0%, Lag= 0.0 min
Primary = 2.10 cfs @ 12.12 hrs, Volume= 0.163 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.14' @ 12.12 hrs
Flood Elev= 337.00'

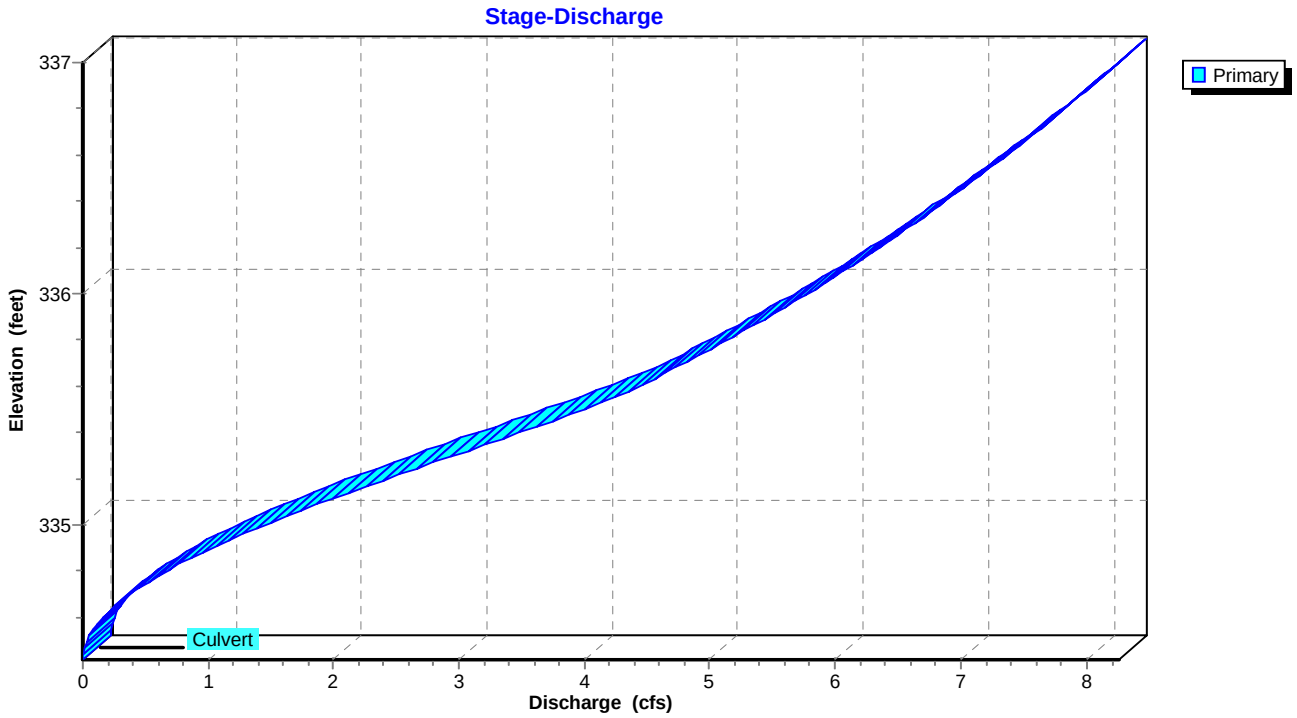
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.10 cfs @ 12.12 hrs HW=335.14' TW=333.58' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.10 cfs @ 2.88 fps)

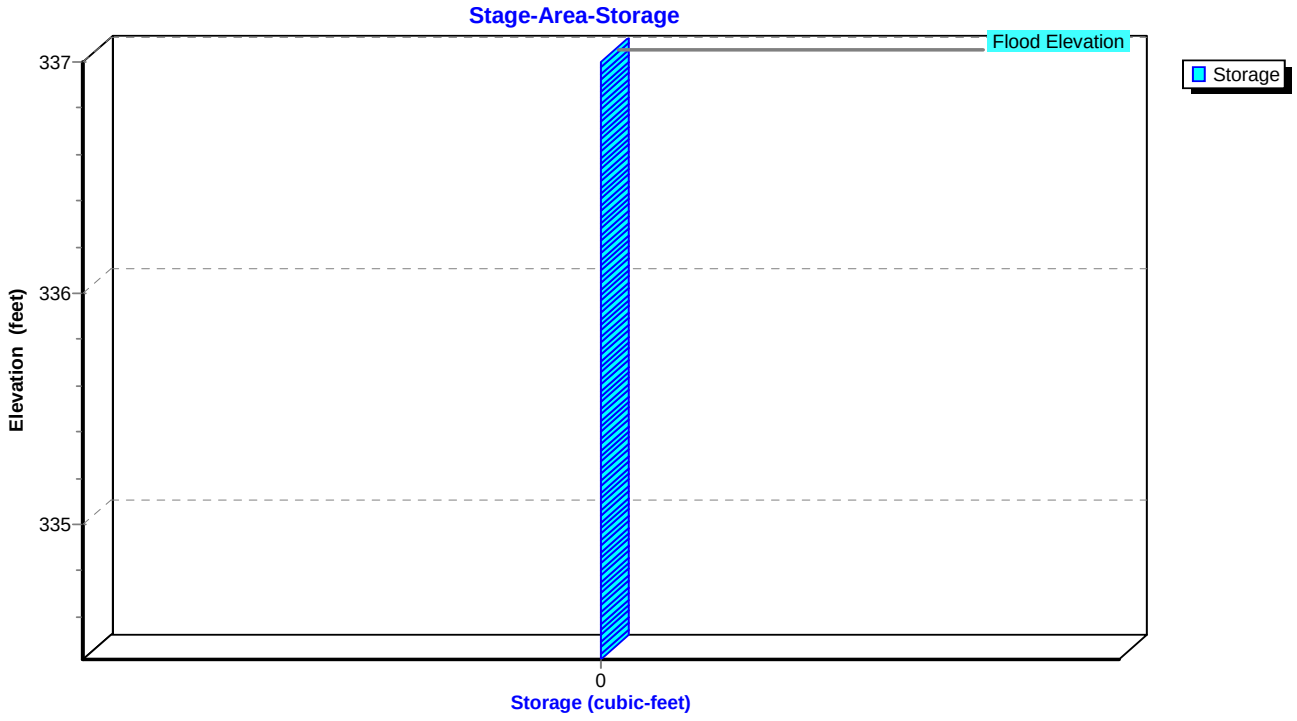
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.42	0.00
9.00	0.00	334.42	0.00
9.50	0.00	334.45	0.00
10.00	0.02	334.48	0.02
10.50	0.03	334.50	0.03
11.00	0.06	334.53	0.06
11.50	0.13	334.58	0.13
12.00	**1.00**	**334.89**	**1.00**
12.50	**0.67**	**334.80**	**0.67**
13.00	0.26	334.65	0.26
13.50	0.20	334.62	0.20
14.00	0.16	334.60	0.16
14.50	0.14	334.59	0.14
15.00	0.13	334.58	0.13
15.50	0.11	334.57	0.11
16.00	0.09	334.56	0.09
16.50	0.08	334.55	0.08
17.00	0.07	334.54	0.07
17.50	0.06	334.53	0.06
18.00	0.06	334.53	0.06
18.50	0.05	334.52	0.05
19.00	0.05	334.52	0.05
19.50	0.05	334.52	0.05
20.00	0.04	334.51	0.04
20.50	0.04	334.51	0.04
21.00	0.04	334.51	0.04
21.50	0.04	334.51	0.04
22.00	0.04	334.51	0.04
22.50	0.04	334.50	0.04
23.00	0.03	334.50	0.03
23.50	0.03	334.50	0.03
24.00	0.03	334.50	0.03

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

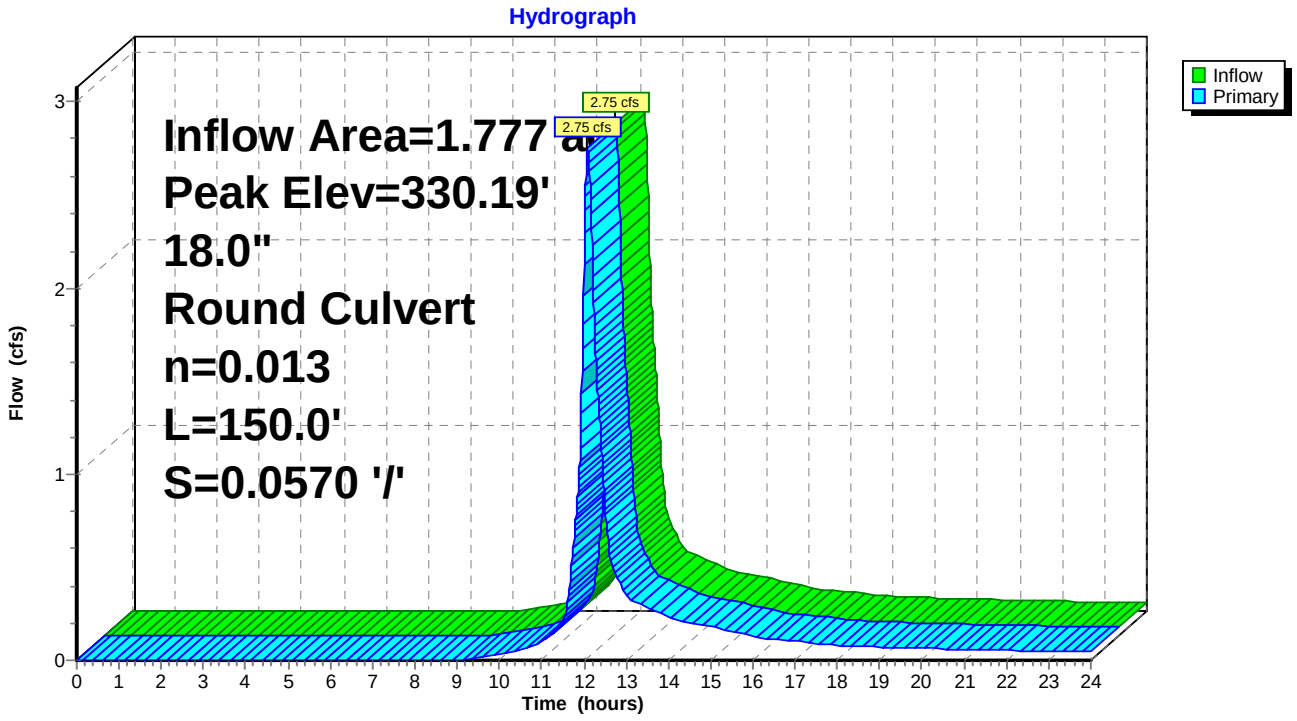
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 1.61" for 2-Year event
Inflow = 2.75 cfs @ 12.09 hrs, Volume= 0.238 af
Outflow = 2.75 cfs @ 12.09 hrs, Volume= 0.238 af, Atten= 0%, Lag= 0.0 min
Primary = 2.75 cfs @ 12.09 hrs, Volume= 0.238 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.19' @ 12.09 hrs
Flood Elev= 332.25'

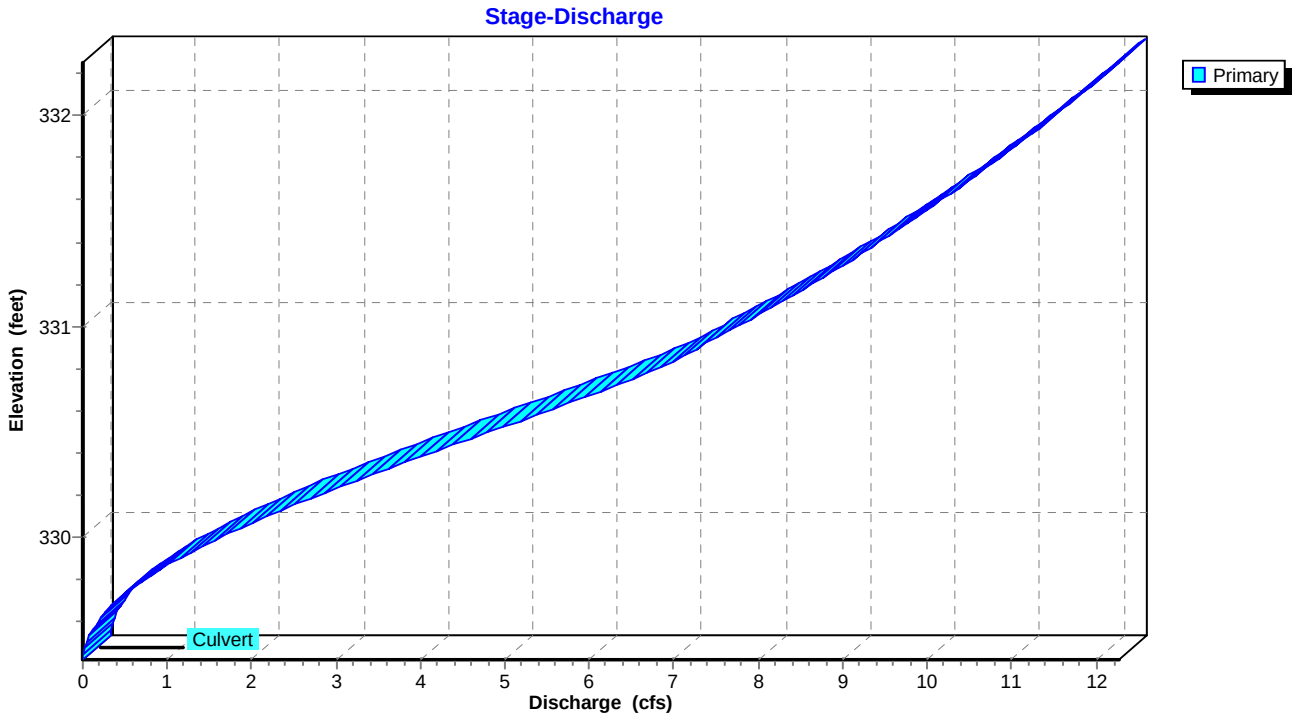
Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.75 cfs @ 12.09 hrs HW=330.19' TW=321.56' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.75 cfs @ 2.99 fps)

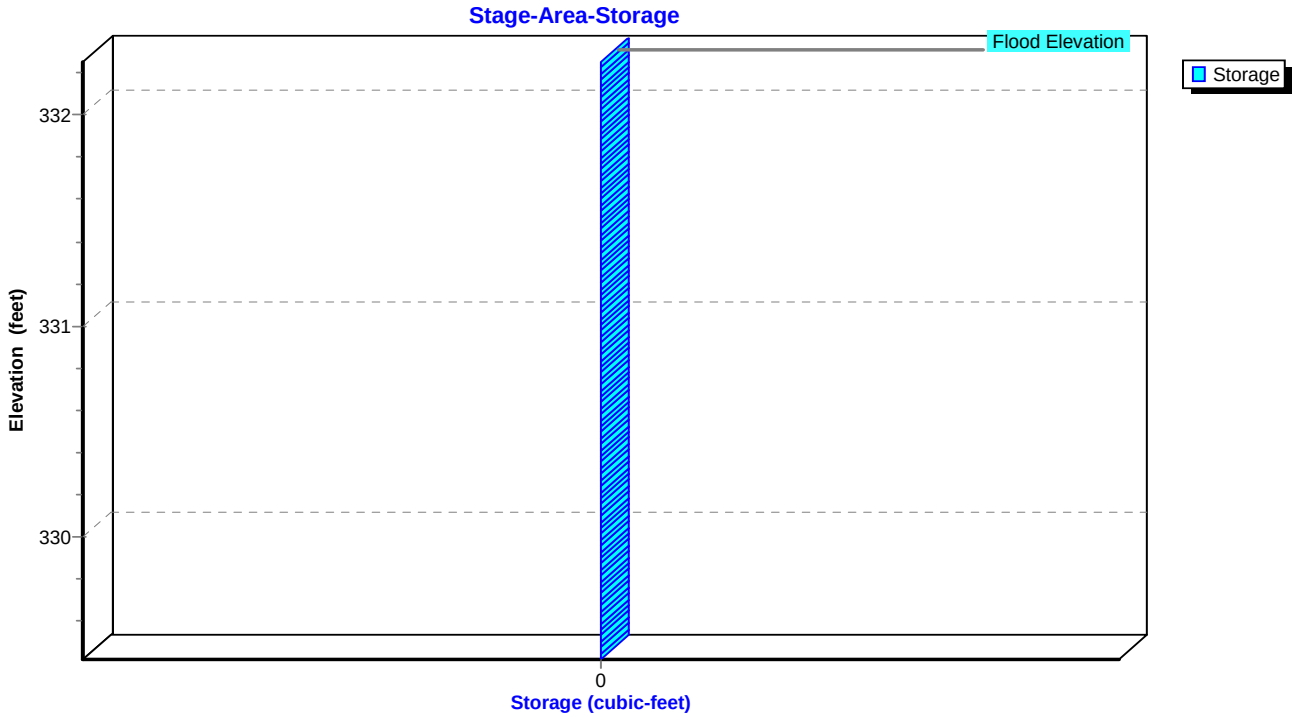
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.42	0.00
6.00	0.00	329.42	0.00
6.50	0.00	329.42	0.00
7.00	0.00	329.42	0.00
7.50	0.00	329.42	0.00
8.00	0.00	329.42	0.00
8.50	0.00	329.42	0.00
9.00	0.00	329.44	0.00
9.50	0.01	329.46	0.01
10.00	0.03	329.49	0.03
10.50	0.06	329.52	0.06
11.00	0.10	329.55	0.10
11.50	0.21	329.62	0.21
12.00	**2.13**	**330.09**	**2.13**
12.50	**0.85**	**329.83**	**0.85**
13.00	0.36	329.68	0.36
13.50	0.28	329.65	0.28
14.00	0.23	329.63	0.23
14.50	0.20	329.62	0.20
15.00	0.18	329.60	0.18
15.50	0.15	329.59	0.15
16.00	0.13	329.57	0.13
16.50	0.11	329.57	0.11
17.00	0.10	329.56	0.10
17.50	0.09	329.55	0.09
18.00	0.08	329.54	0.08
18.50	0.07	329.54	0.07
19.00	0.07	329.53	0.07
19.50	0.07	329.53	0.07
20.00	0.06	329.53	0.06
20.50	0.06	329.53	0.06
21.00	0.06	329.52	0.06
21.50	0.06	329.52	0.06
22.00	0.05	329.52	0.05
22.50	0.05	329.52	0.05
23.00	0.05	329.51	0.05
23.50	0.05	329.51	0.05
24.00	0.04	329.51	0.04

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

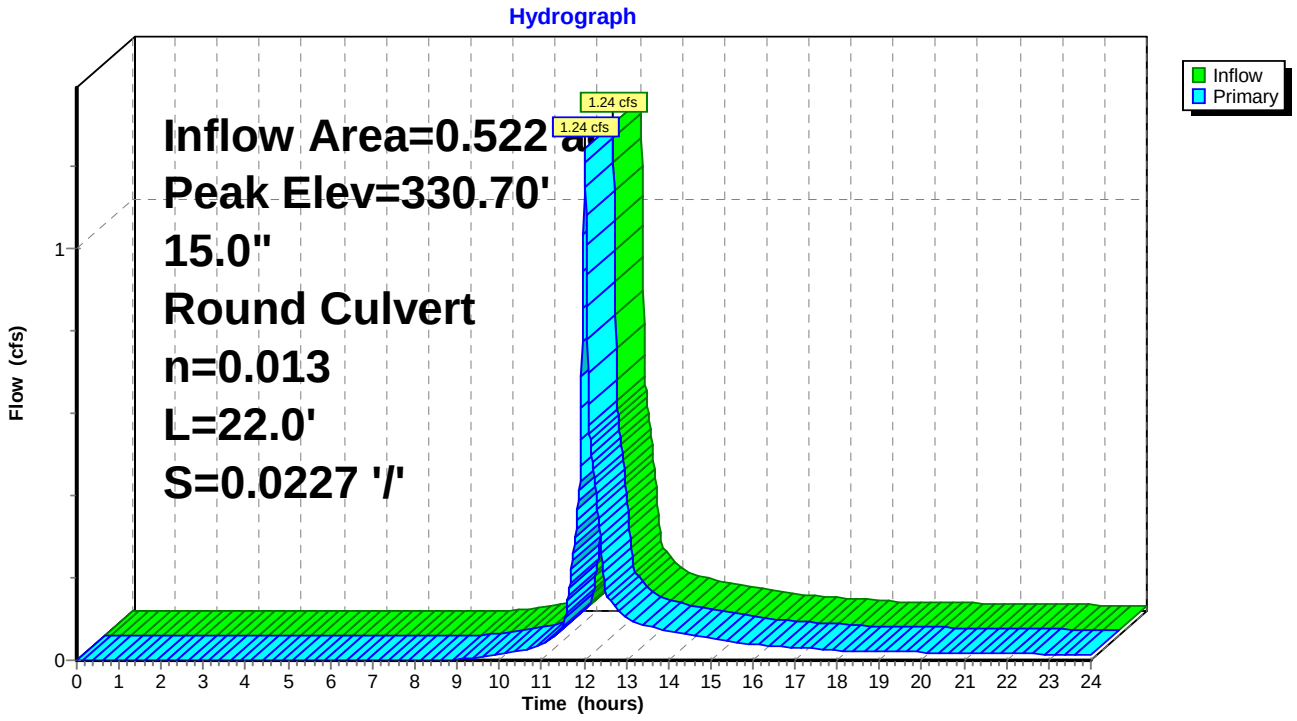
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 1.71" for 2-Year event
Inflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af
Outflow = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af, Atten= 0%, Lag= 0.0 min
Primary = 1.24 cfs @ 12.02 hrs, Volume= 0.074 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.70' @ 12.02 hrs
Flood Elev= 332.80'

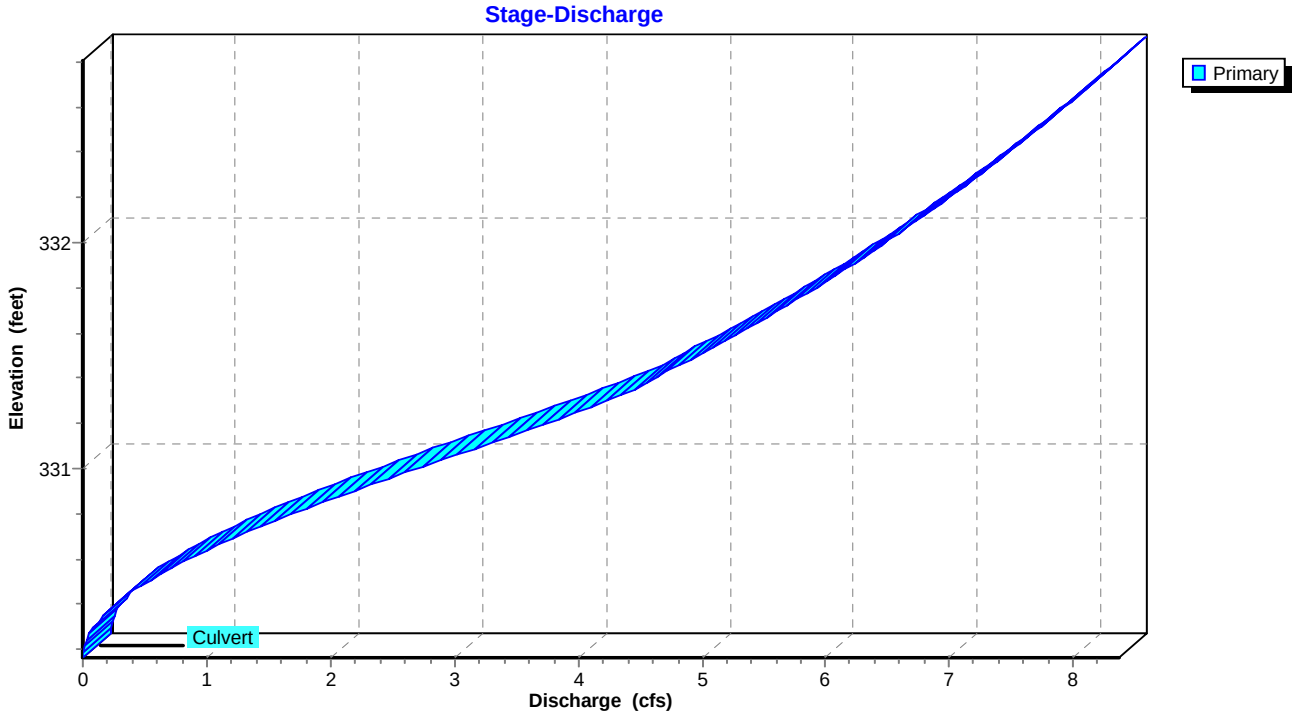
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.24 cfs @ 12.02 hrs HW=330.70' TW=330.14' (Dynamic Tailwater)
1=Culvert (Inlet Controls 1.24 cfs @ 2.49 fps)

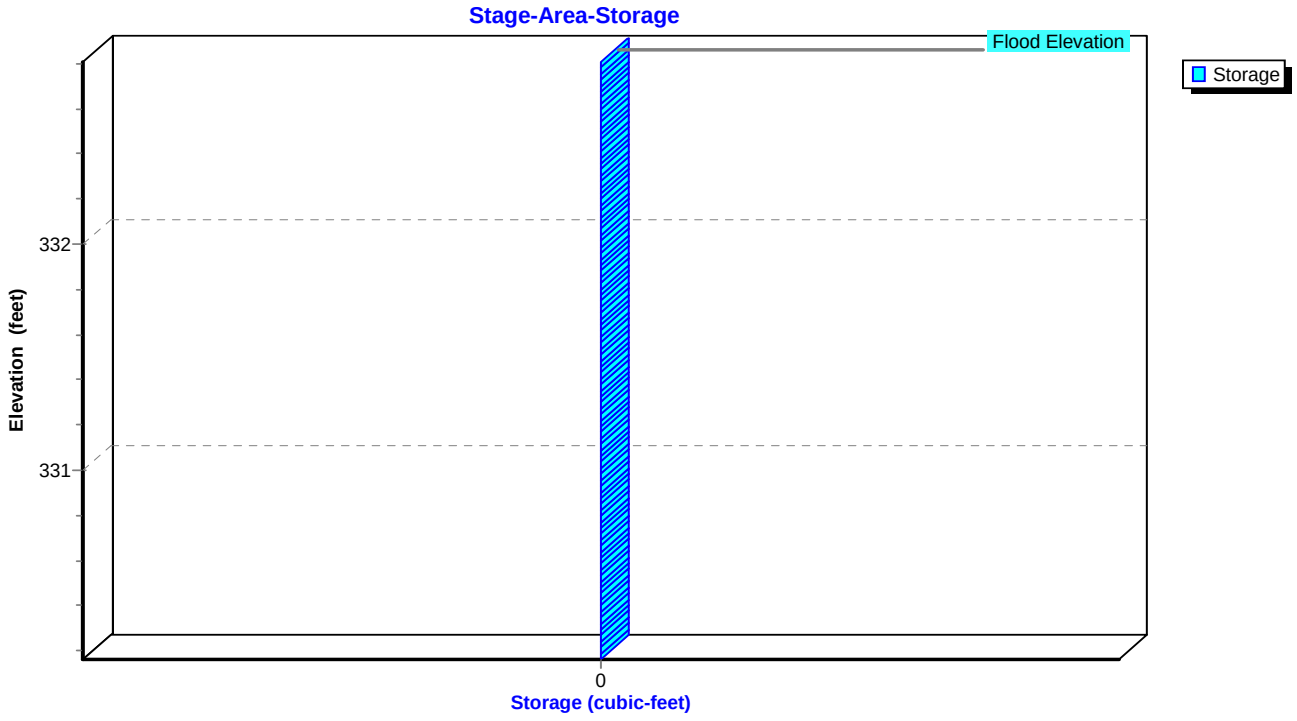
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.17	0.00
8.50	0.00	330.17	0.00
9.00	0.00	330.19	0.00
9.50	0.01	330.21	0.01
10.00	0.01	330.22	0.01
10.50	0.02	330.24	0.02
11.00	0.04	330.26	0.04
11.50	0.08	330.29	0.08
12.00	**1.13**	**330.68**	**1.13**
12.50	**0.17**	**330.36**	**0.17**
13.00	0.10	330.31	0.10
13.50	0.08	330.30	0.08
14.00	0.07	330.29	0.07
14.50	0.06	330.28	0.06
15.00	0.05	330.27	0.05
15.50	0.05	330.27	0.05
16.00	0.04	330.26	0.04
16.50	0.03	330.25	0.03
17.00	0.03	330.25	0.03
17.50	0.03	330.24	0.03
18.00	0.02	330.24	0.02
18.50	0.02	330.24	0.02
19.00	0.02	330.24	0.02
19.50	0.02	330.23	0.02
20.00	0.02	330.23	0.02
20.50	0.02	330.23	0.02
21.00	0.02	330.23	0.02
21.50	0.02	330.23	0.02
22.00	0.02	330.23	0.02
22.50	0.02	330.23	0.02
23.00	0.01	330.22	0.01
23.50	0.01	330.22	0.01
24.00	0.01	330.22	0.01

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

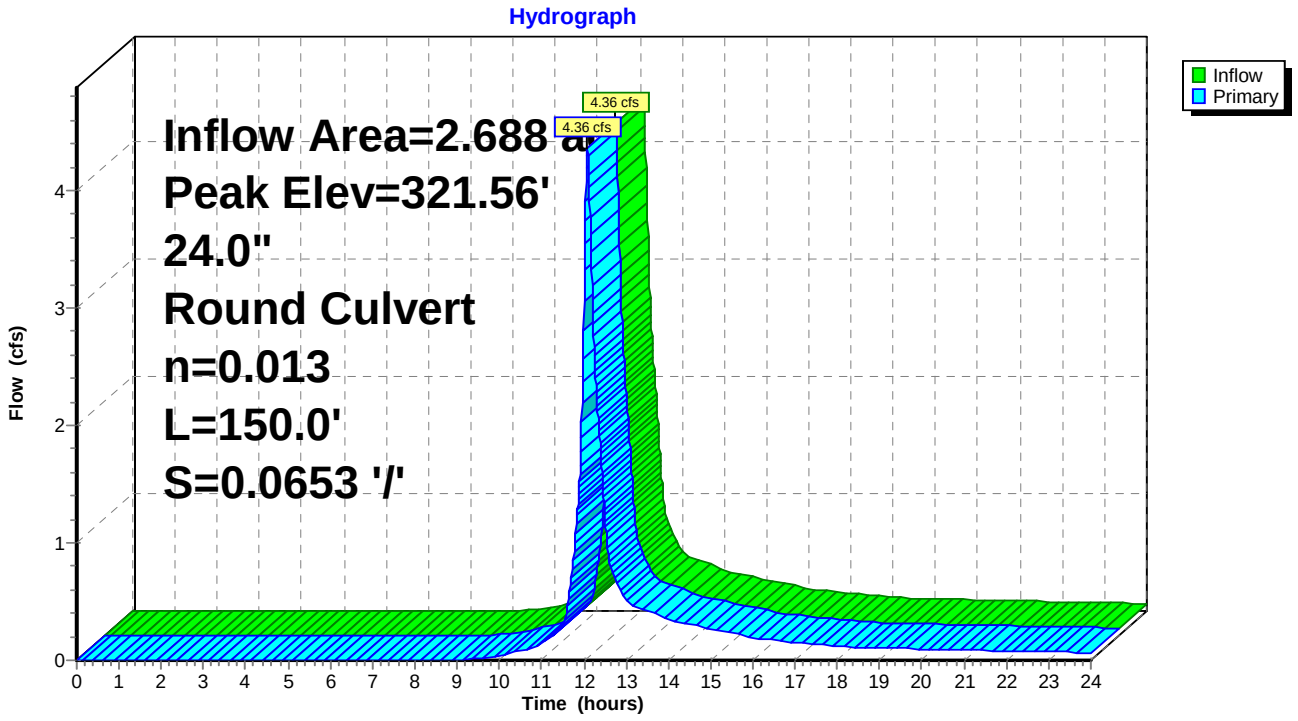
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 1.57" for 2-Year event
Inflow = 4.36 cfs @ 12.09 hrs, Volume= 0.351 af
Outflow = 4.36 cfs @ 12.09 hrs, Volume= 0.351 af, Atten= 0%, Lag= 0.0 min
Primary = 4.36 cfs @ 12.09 hrs, Volume= 0.351 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.56' @ 12.09 hrs
Flood Elev= 338.50'

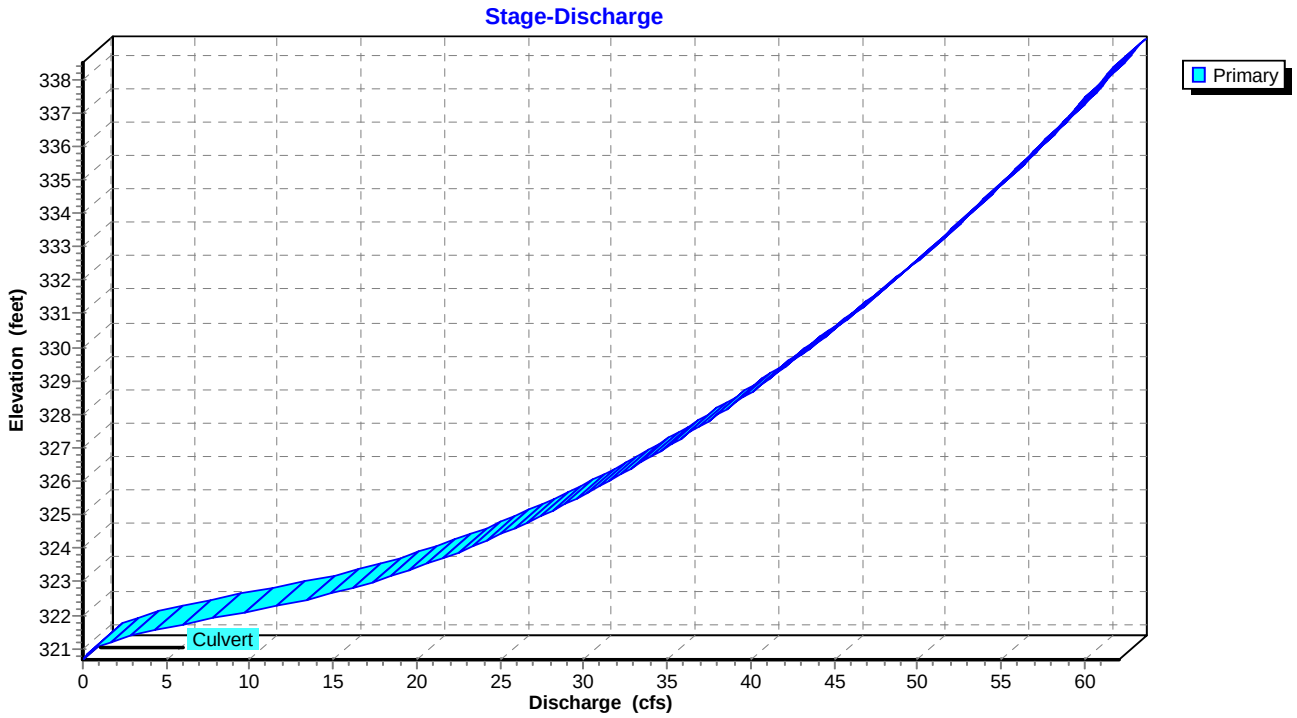
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.35 cfs @ 12.09 hrs HW=321.56' TW=311.68' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.35 cfs @ 3.21 fps)

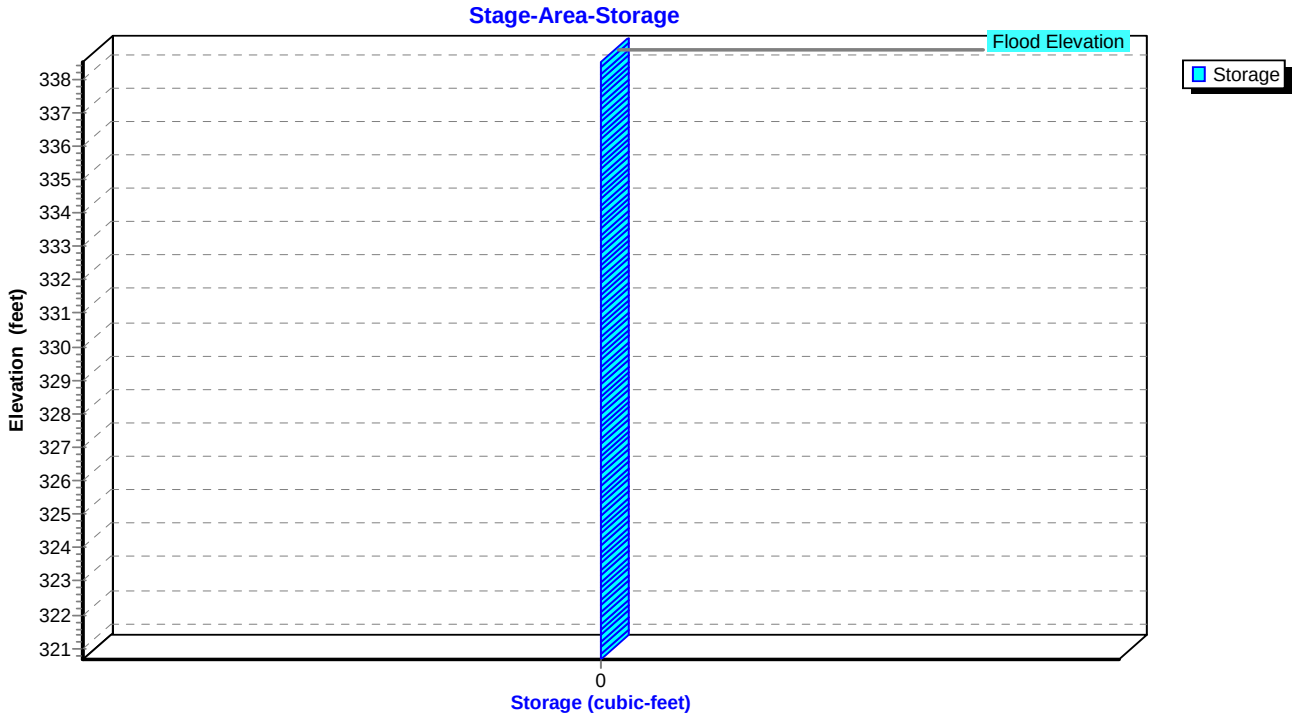
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.67	0.00
6.00	0.00	320.67	0.00
6.50	0.00	320.67	0.00
7.00	0.00	320.67	0.00
7.50	0.00	320.67	0.00
8.00	0.00	320.67	0.00
8.50	0.00	320.67	0.00
9.00	0.00	320.69	0.00
9.50	0.01	320.71	0.01
10.00	0.04	320.75	0.04
10.50	0.08	320.78	0.08
11.00	0.14	320.82	0.14
11.50	0.30	320.89	0.30
12.00	**3.06**	**321.41**	**3.06**
12.50	**1.24**	**321.13**	**1.24**
13.00	0.53	320.96	0.53
13.50	0.42	320.93	0.42
14.00	0.35	320.91	0.35
14.50	0.30	320.89	0.30
15.00	0.27	320.88	0.27
15.50	0.23	320.86	0.23
16.00	0.19	320.84	0.19
16.50	0.17	320.83	0.17
17.00	0.15	320.83	0.15
17.50	0.14	320.82	0.14
18.00	0.12	320.81	0.12
18.50	0.11	320.80	0.11
19.00	0.11	320.80	0.11
19.50	0.10	320.80	0.10
20.00	0.10	320.79	0.10
20.50	0.09	320.79	0.09
21.00	0.09	320.79	0.09
21.50	0.08	320.78	0.08
22.00	0.08	320.78	0.08
22.50	0.08	320.78	0.08
23.00	0.07	320.78	0.07
23.50	0.07	320.77	0.07
24.00	0.06	320.77	0.06

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

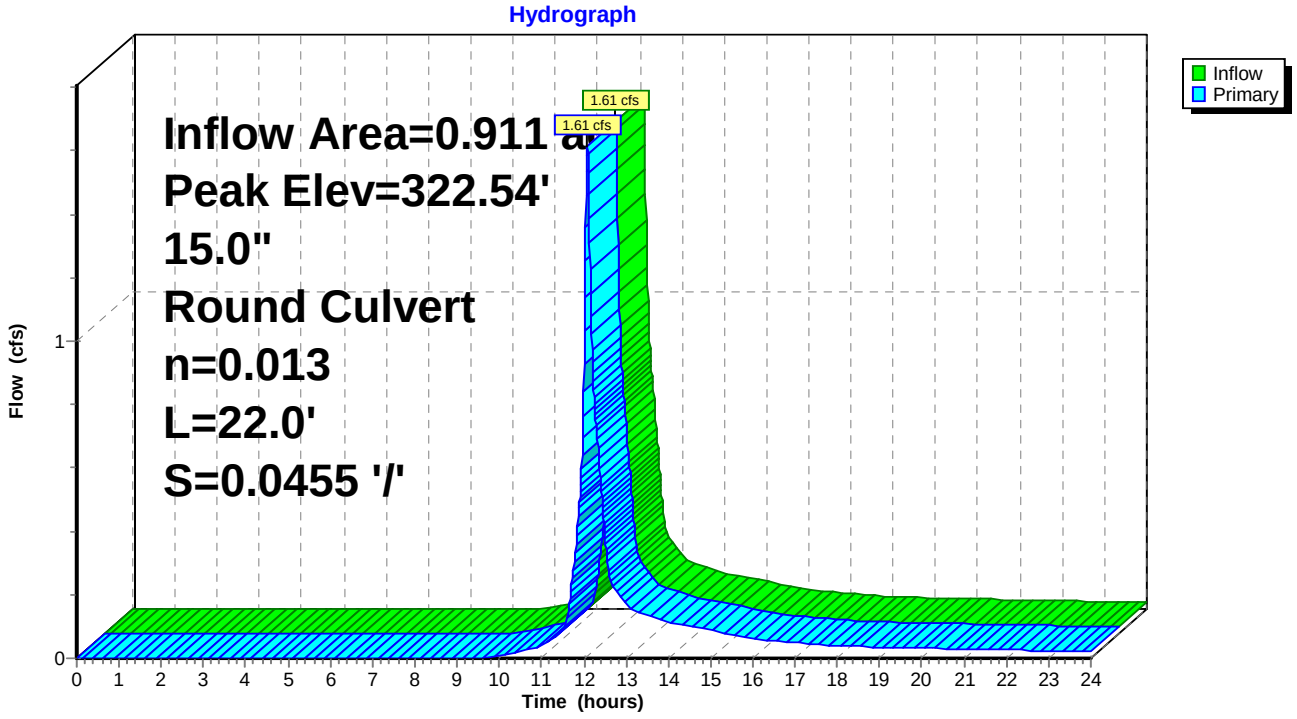
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 1.50" for 2-Year event
Inflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af
Outflow = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min
Primary = 1.61 cfs @ 12.08 hrs, Volume= 0.114 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.54' @ 12.08 hrs
Flood Elev= 324.50'

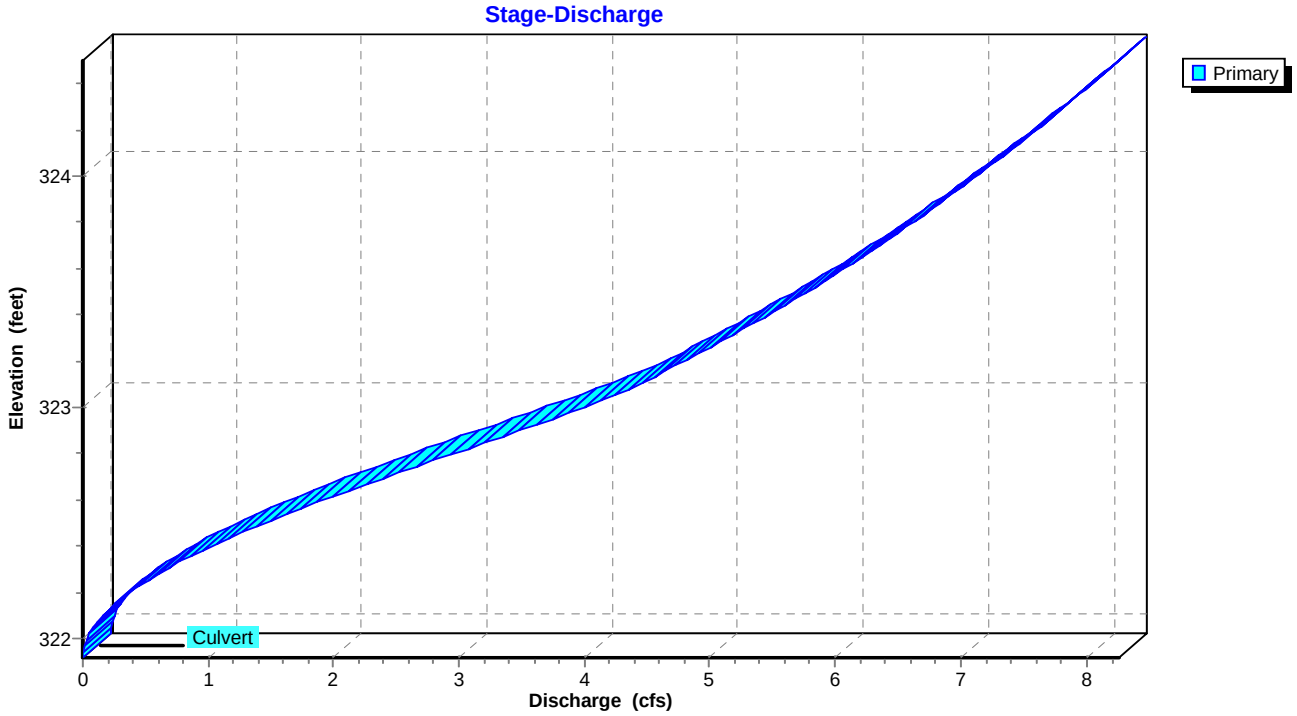
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.61 cfs @ 12.08 hrs HW=322.54' TW=321.56' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.61 cfs @ 2.67 fps)

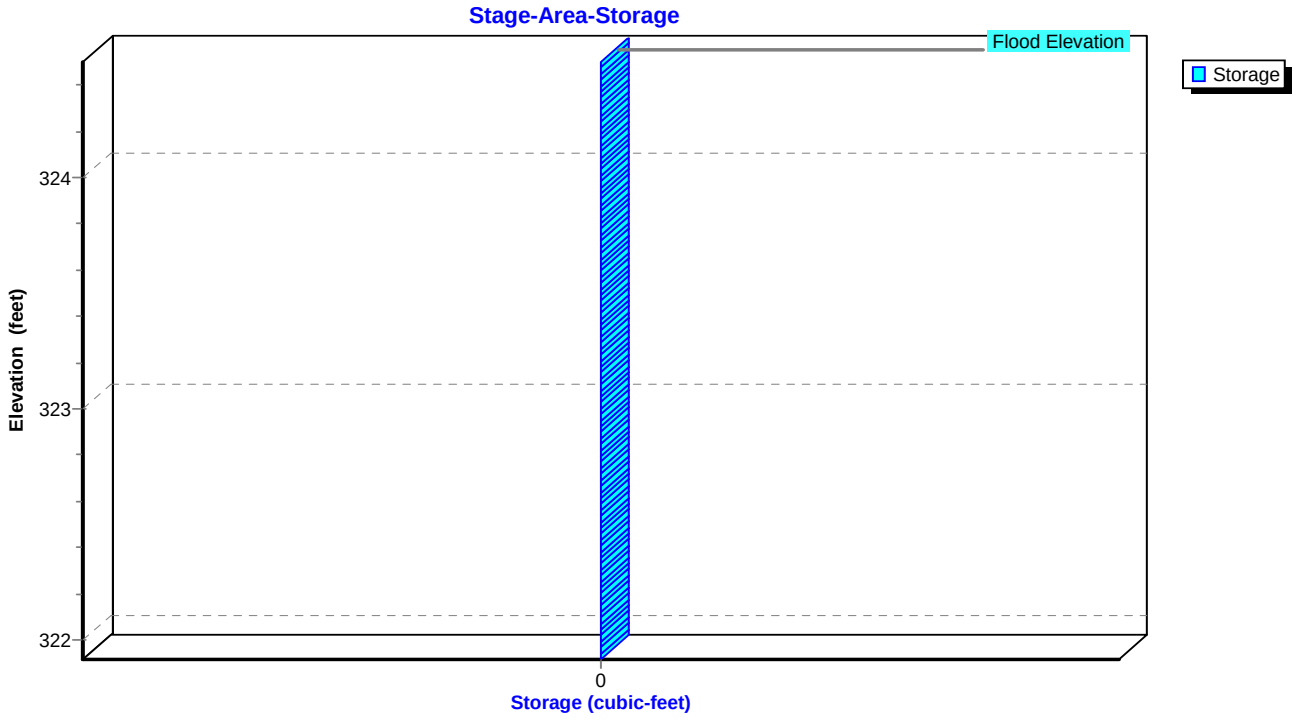
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.92	0.00
9.00	0.00	321.92	0.00
9.50	0.00	321.93	0.00
10.00	0.01	321.96	0.01
10.50	0.02	321.99	0.02
11.00	0.04	322.01	0.04
11.50	0.09	322.06	0.09
12.00	**0.93**	**322.38**	**0.93**
12.50	**0.39**	**322.21**	**0.39**
13.00	0.17	322.11	0.17
13.50	0.14	322.09	0.14
14.00	0.11	322.07	0.11
14.50	0.10	322.06	0.10
15.00	0.09	322.05	0.09
15.50	0.08	322.04	0.08
16.00	0.06	322.03	0.06
16.50	0.06	322.03	0.06
17.00	0.05	322.02	0.05
17.50	0.04	322.01	0.04
18.00	0.04	322.01	0.04
18.50	0.04	322.01	0.04
19.00	0.03	322.00	0.03
19.50	0.03	322.00	0.03
20.00	0.03	322.00	0.03
20.50	0.03	322.00	0.03
21.00	0.03	322.00	0.03
21.50	0.03	321.99	0.03
22.00	0.03	321.99	0.03
22.50	0.02	321.99	0.02
23.00	0.02	321.99	0.02
23.50	0.02	321.99	0.02
24.00	0.02	321.98	0.02

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.89' Inflow=4.05 cfs 0.476 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=4.05 cfs 0.476 af

Pond CB10: Catchbasin Peak Elev=311.97' Inflow=8.37 cfs 0.671 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=8.37 cfs 0.671 af

Pond CB10-1: CB1-1 Peak Elev=312.68' Inflow=2.30 cfs 0.138 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.30 cfs 0.138 af

Pond CB11: Catchbasin Peak Elev=301.27' Inflow=8.37 cfs 0.671 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=8.37 cfs 0.671 af

Pond CB11-1: CB1-1 Peak Elev=300.45' Inflow=9.63 cfs 0.801 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=9.63 cfs 0.801 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=299.39' Inflow=12.82 cfs 1.062 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=12.82 cfs 1.062 af

Pond CB13: Catchbasin Peak Elev=294.65' Inflow=14.46 cfs 1.228 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=14.46 cfs 1.228 af

Pond CB13-1: CB1-1 Peak Elev=296.15' Inflow=14.46 cfs 1.228 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=14.46 cfs 1.228 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.03' Inflow=8.53 cfs 0.959 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=8.53 cfs 0.959 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=341.22' Inflow=10.50 cfs 1.174 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=10.50 cfs 1.174 af

Pond CB4: Catchbasin Peak Elev=334.92' Inflow=13.96 cfs 1.593 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=13.96 cfs 1.593 af

Pond CB4-1: CB1-1 Peak Elev=336.02' Inflow=13.96 cfs 1.593 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=13.96 cfs 1.593 af

Pond CB5: Catchbasin Peak Elev=331.64' Inflow=17.20 cfs 1.924 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=17.20 cfs 1.924 af

Pond CB5-1: CB1-1 Peak Elev=334.40' Inflow=1.01 cfs 0.060 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.01 cfs 0.060 af

Pond CB6: Catchbasin Peak Elev=334.28' Inflow=3.01 cfs 0.271 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=3.01 cfs 0.271 af

Pond CB6-1: CB1-1 Peak Elev=336.81' Inflow=3.01 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.01 cfs 0.271 af

Pond CB7: Catchbasin Peak Elev=333.77' Inflow=3.22 cfs 0.248 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=3.22 cfs 0.248 af

Pond CB7-1: CB1-1 Peak Elev=335.35' Inflow=3.22 cfs 0.248 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.22 cfs 0.248 af

Pond CB8: Catchbasin Peak Elev=330.41' Inflow=4.19 cfs 0.359 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=4.19 cfs 0.359 af

Pond CB8-1: CB1-1 Peak Elev=330.84' Inflow=1.86 cfs 0.111 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=1.86 cfs 0.111 af

Pond CB9: Catchbasin Peak Elev=321.81' Inflow=6.68 cfs 0.533 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=6.68 cfs 0.533 af

Pond CB9-1: CB1-1 Peak Elev=322.72' Inflow=2.50 cfs 0.174 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.50 cfs 0.174 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

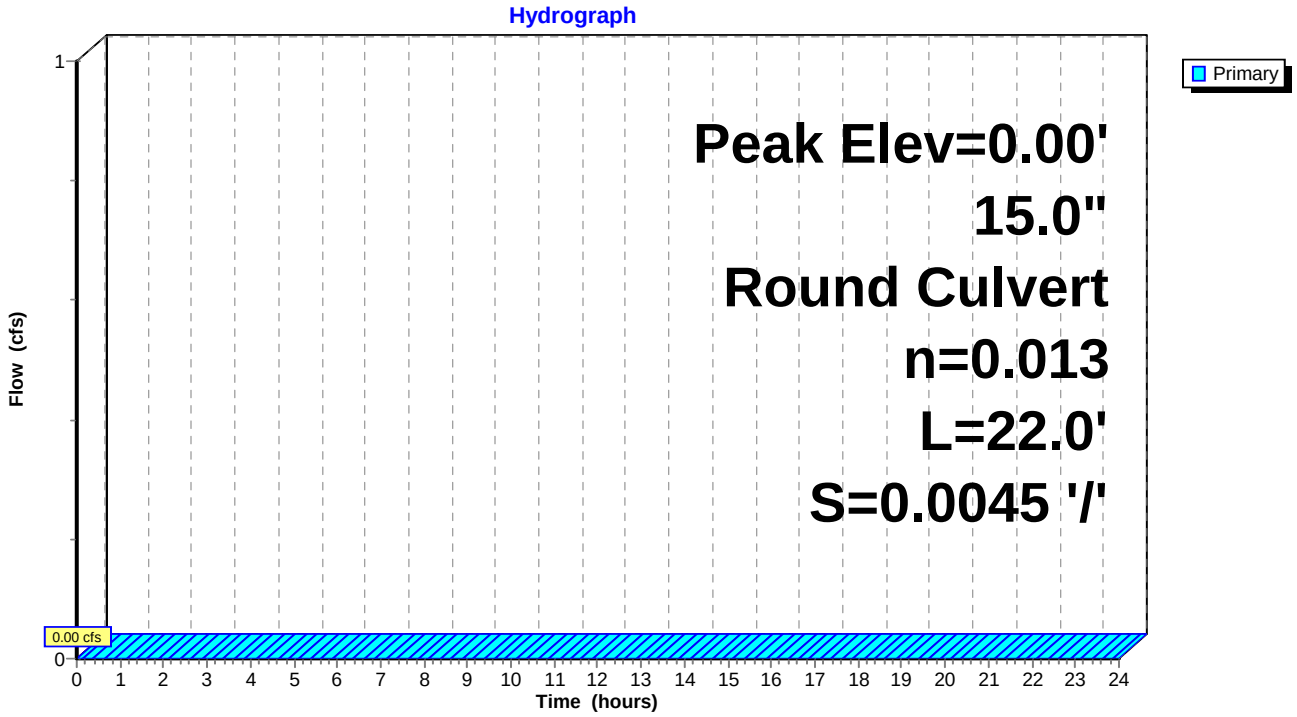
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

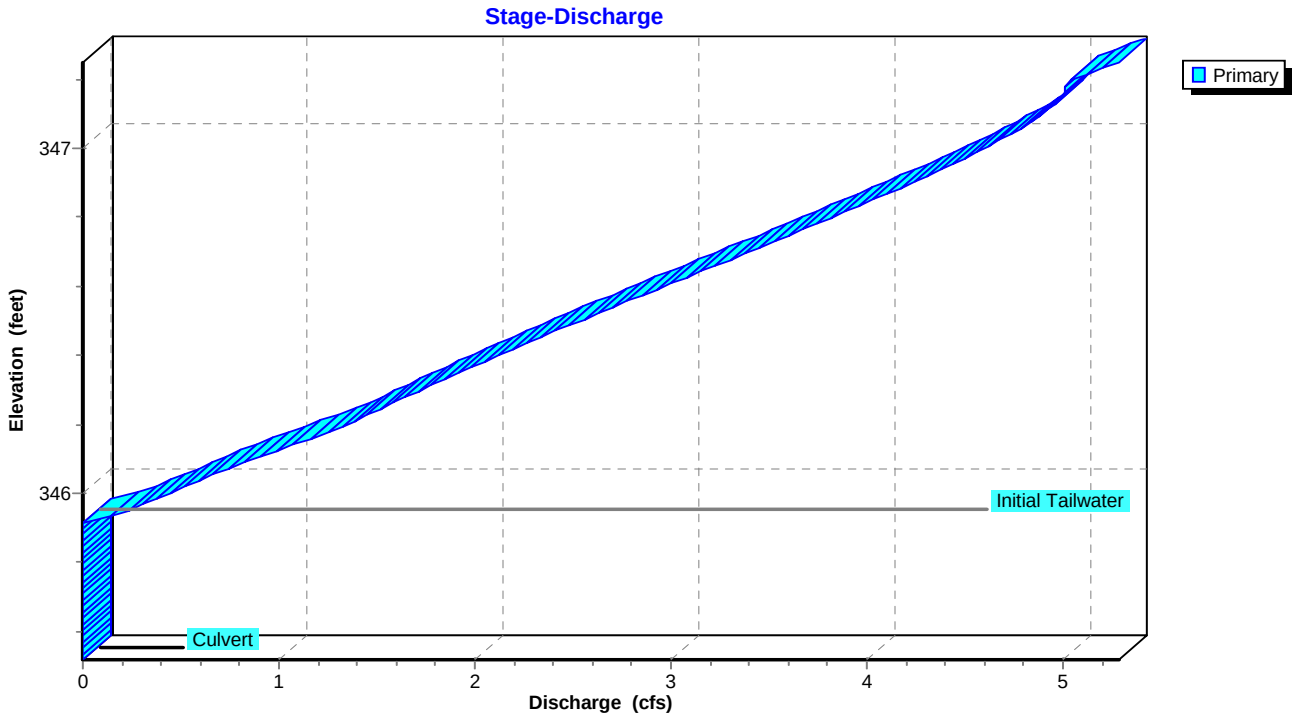
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

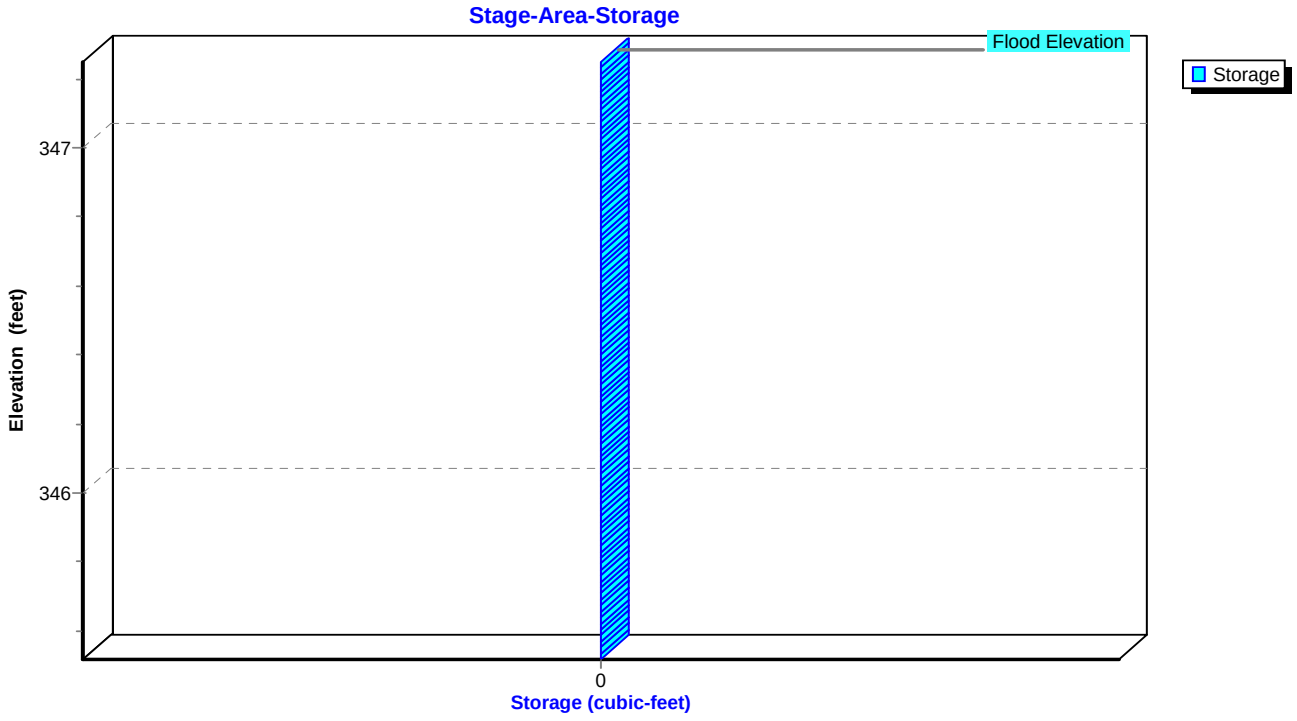
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

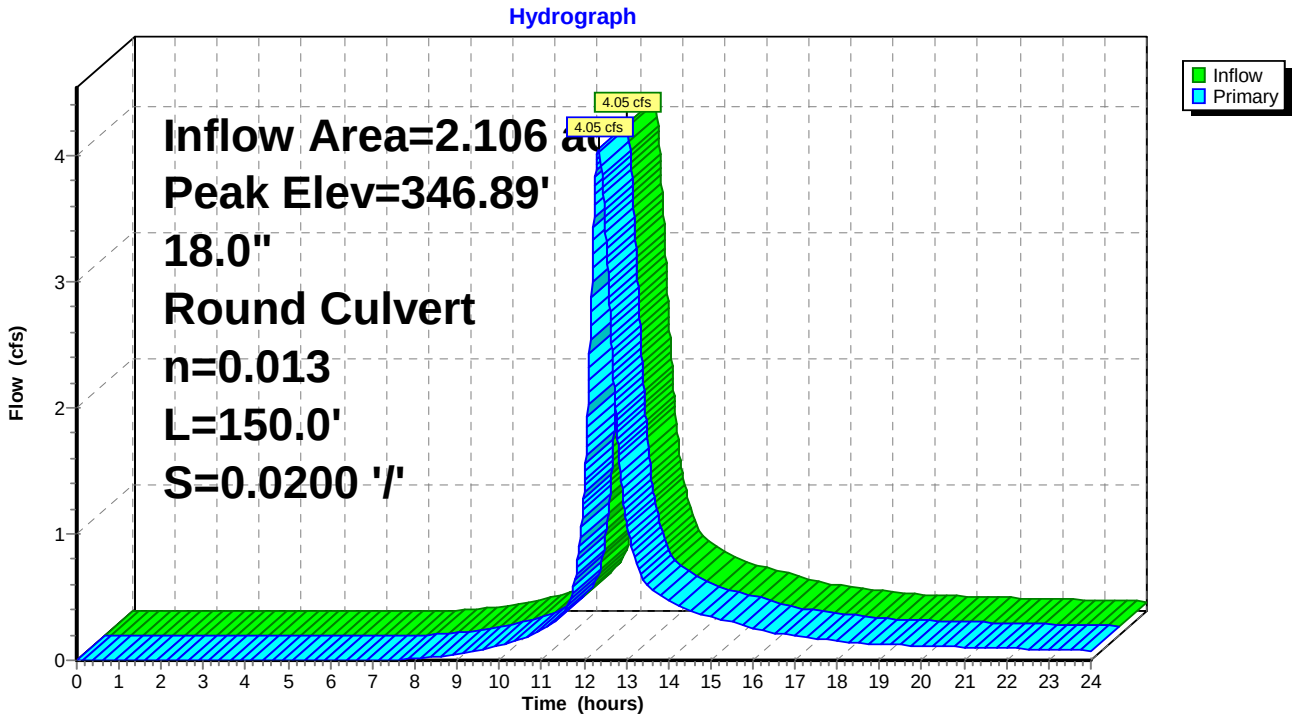
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 2.71" for 5-Year event
Inflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af
Outflow = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af, Atten= 0%, Lag= 0.0 min
Primary = 4.05 cfs @ 12.36 hrs, Volume= 0.476 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.89' @ 12.36 hrs
Flood Elev= 348.80'

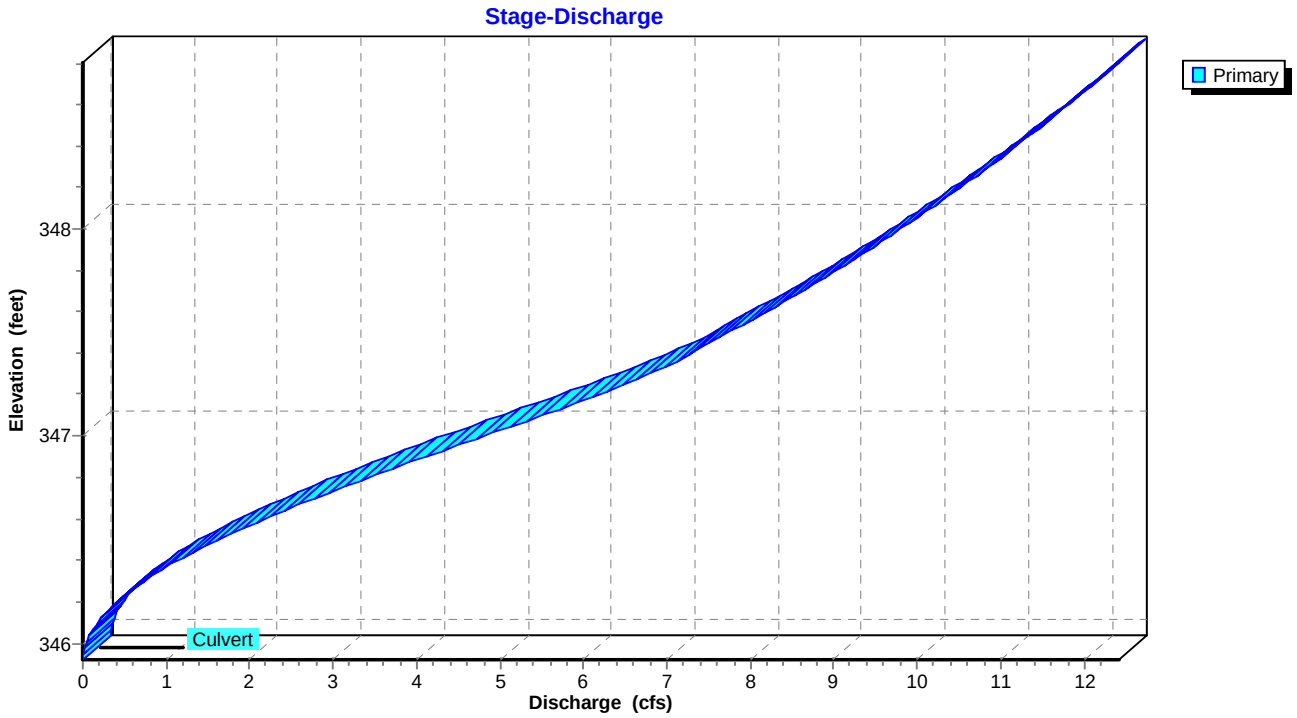
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=4.05 cfs @ 12.36 hrs HW=346.89' TW=344.01' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.05 cfs @ 3.35 fps)

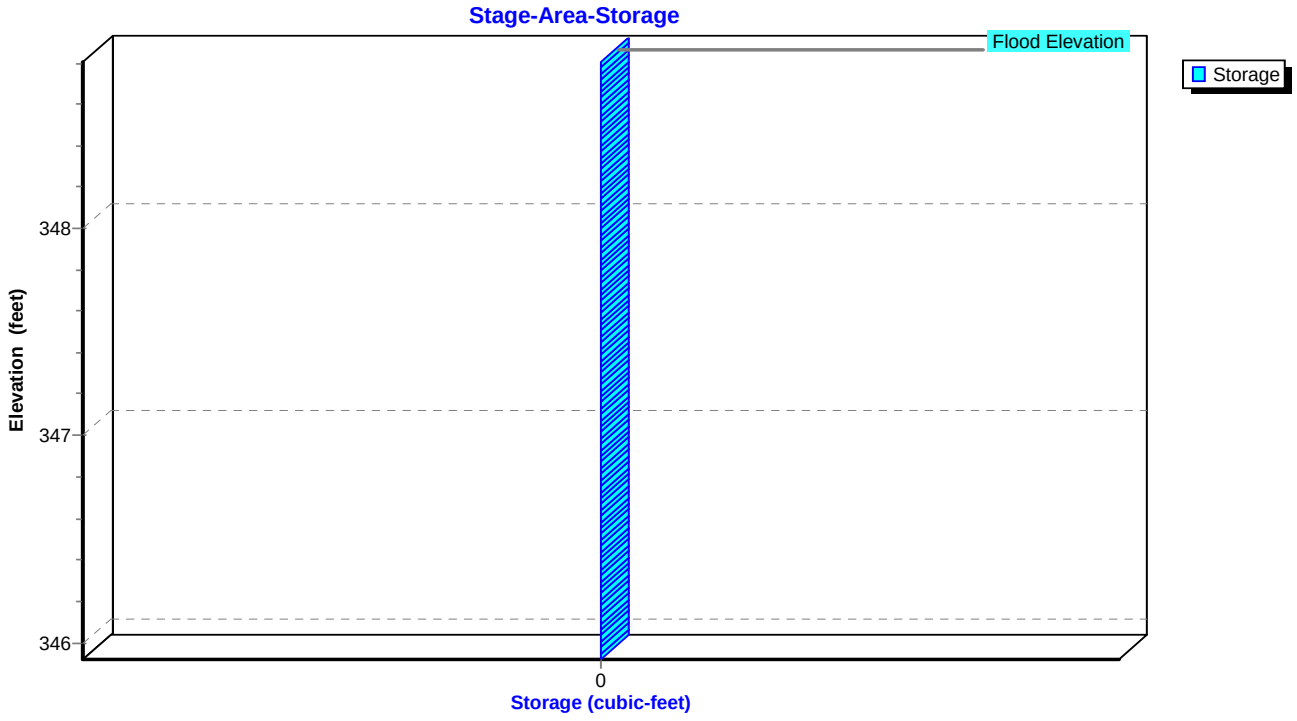
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.00	345.92	0.00
6.00	0.00	345.92	0.00
6.50	0.00	345.92	0.00
7.00	0.00	345.92	0.00
7.50	0.00	345.94	0.00
8.00	0.01	345.97	0.01
8.50	0.03	345.99	0.03
9.00	0.05	346.02	0.05
9.50	0.08	346.04	0.08
10.00	0.12	346.07	0.12
10.50	0.17	346.10	0.17
11.00	0.24	346.13	0.24
11.50	0.38	346.19	0.38
12.00	**1.33**	**346.44**	**1.33**
12.50	**3.51**	**346.81**	**3.51**
13.00	1.11	346.39	1.11
13.50	0.60	346.26	0.60
14.00	0.47	346.22	0.47
14.50	0.39	346.19	0.39
15.00	0.35	346.18	0.35
15.50	0.30	346.16	0.30
16.00	0.25	346.14	0.25
16.50	0.21	346.12	0.21
17.00	0.19	346.11	0.19
17.50	0.17	346.10	0.17
18.00	0.15	346.09	0.15
18.50	0.13	346.08	0.13
19.00	0.13	346.07	0.13
19.50	0.12	346.07	0.12
20.00	0.11	346.07	0.11
20.50	0.11	346.06	0.11
21.00	0.10	346.06	0.10
21.50	0.10	346.06	0.10
22.00	0.09	346.05	0.09
22.50	0.09	346.05	0.09
23.00	0.09	346.05	0.09
23.50	0.08	346.04	0.08
24.00	0.08	346.04	0.08

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

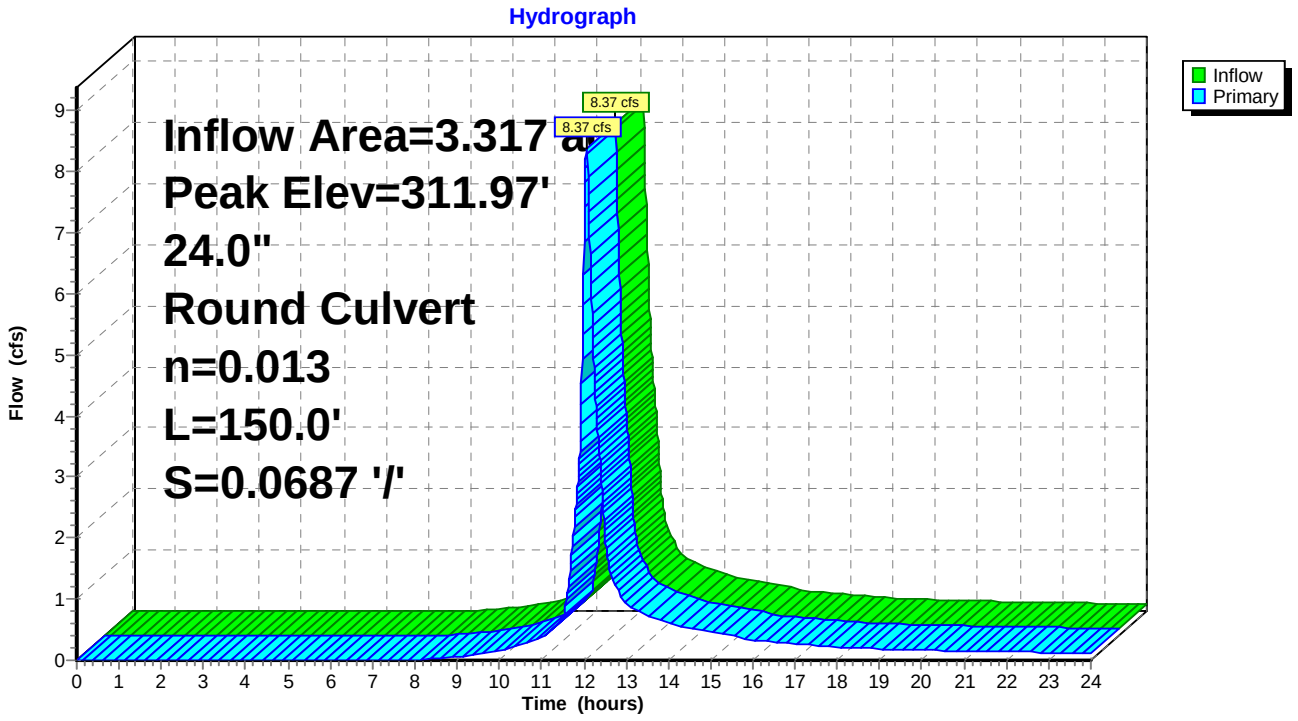
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 2.43" for 5-Year event
Inflow = 8.37 cfs @ 12.06 hrs, Volume= 0.671 af
Outflow = 8.37 cfs @ 12.06 hrs, Volume= 0.671 af, Atten= 0%, Lag= 0.0 min
Primary = 8.37 cfs @ 12.06 hrs, Volume= 0.671 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 311.97' @ 12.06 hrs
Flood Elev= 313.50'

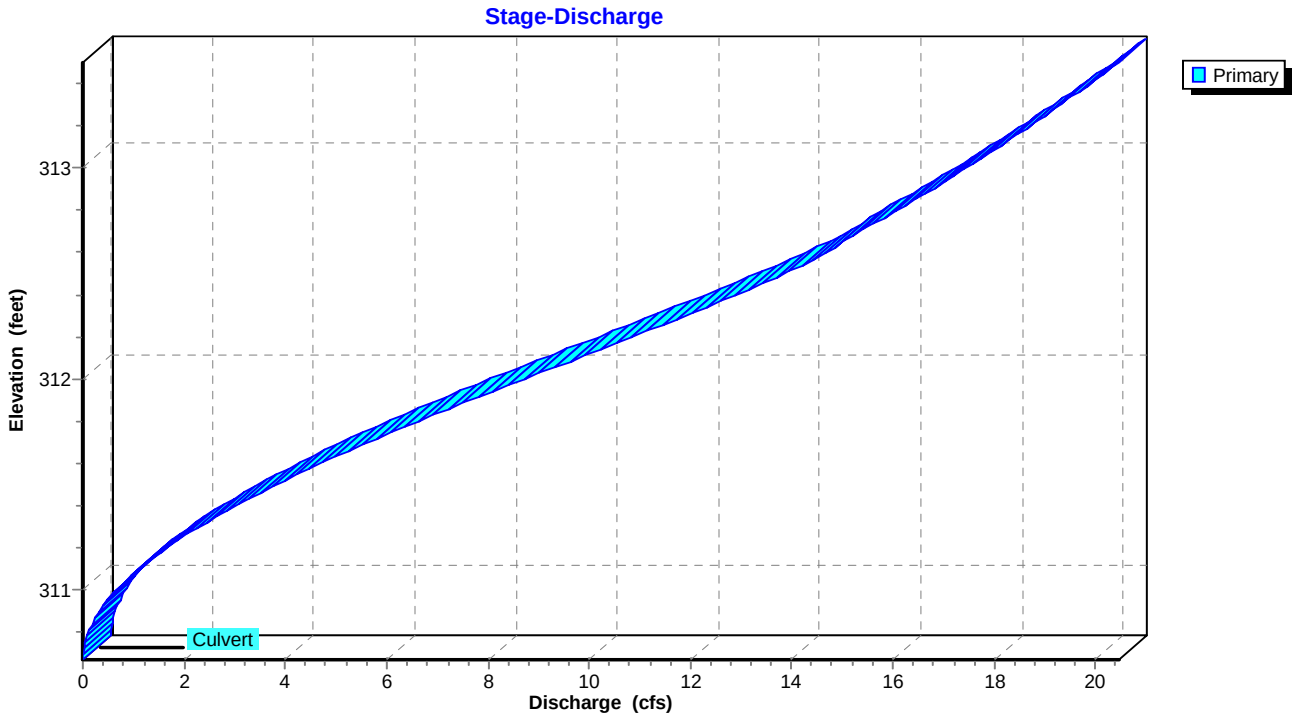
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.37 cfs @ 12.06 hrs HW=311.97' TW=301.27' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.37 cfs @ 3.88 fps)

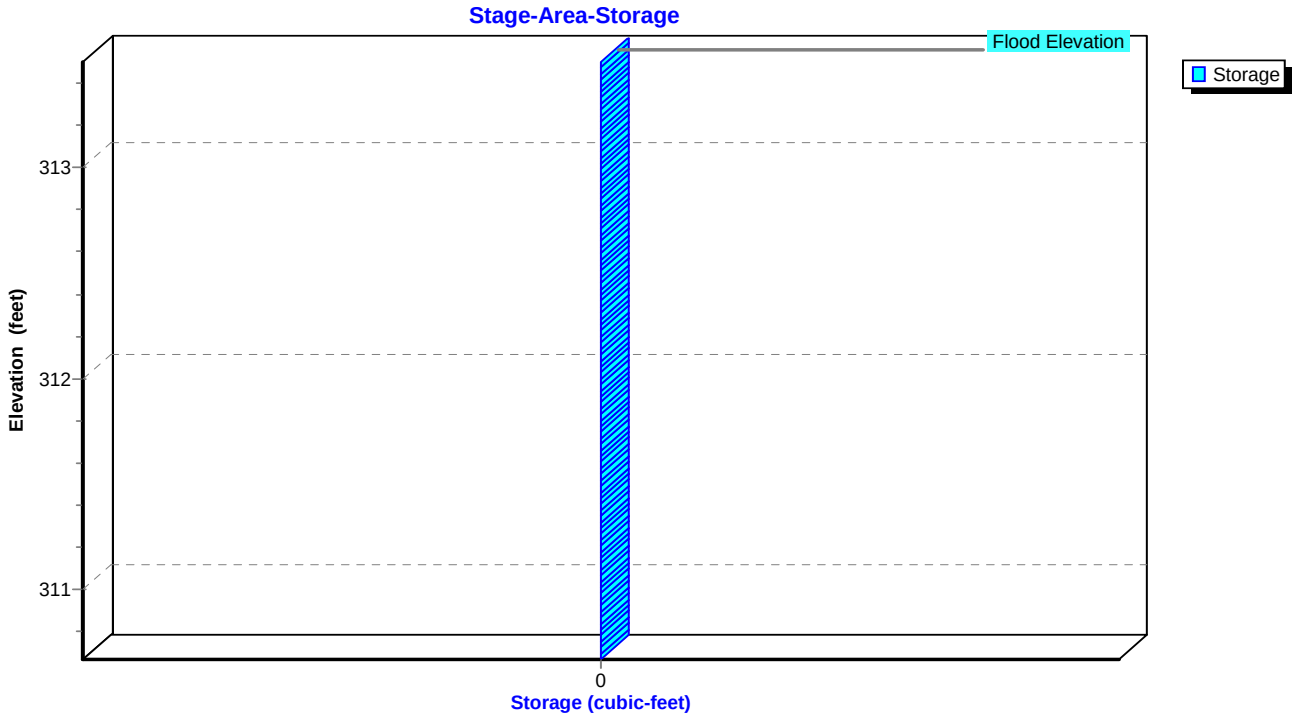
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.67	0.00
6.00	0.00	310.67	0.00
6.50	0.00	310.67	0.00
7.00	0.00	310.67	0.00
7.50	0.00	310.68	0.00
8.00	0.01	310.70	0.01
8.50	0.02	310.73	0.02
9.00	0.05	310.76	0.05
9.50	0.10	310.79	0.10
10.00	0.15	310.83	0.15
10.50	0.24	310.87	0.24
11.00	0.36	310.91	0.36
11.50	0.70	311.01	0.70
12.00	**6.86**	**311.82**	**6.86**
12.50	**2.11**	**311.27**	**2.11**
13.00	0.93	311.06	0.93
13.50	0.74	311.02	0.74
14.00	0.61	310.99	0.61
14.50	0.53	310.97	0.53
15.00	0.47	310.95	0.47
15.50	0.40	310.92	0.40
16.00	0.33	310.90	0.33
16.50	0.30	310.89	0.30
17.00	0.27	310.88	0.27
17.50	0.24	310.86	0.24
18.00	0.20	310.85	0.20
18.50	0.19	310.85	0.19
19.00	0.18	310.84	0.18
19.50	0.17	310.84	0.17
20.00	0.17	310.83	0.17
20.50	0.16	310.83	0.16
21.00	0.15	310.83	0.15
21.50	0.14	310.82	0.14
22.00	0.14	310.82	0.14
22.50	0.13	310.81	0.13
23.00	0.12	310.81	0.12
23.50	0.12	310.81	0.12
24.00	0.11	310.80	0.11

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

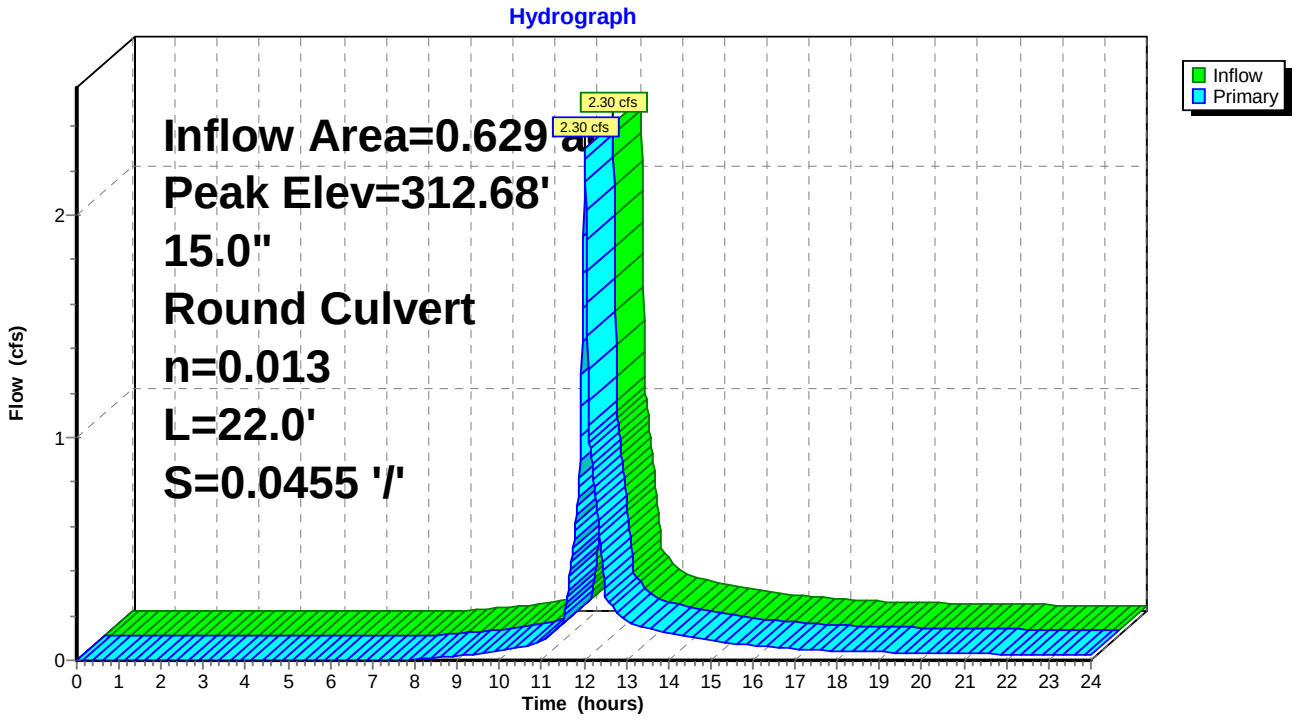
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 2.64" for 5-Year event
Inflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af
Outflow = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af, Atten= 0%, Lag= 0.0 min
Primary = 2.30 cfs @ 12.02 hrs, Volume= 0.138 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.68' @ 12.02 hrs
Flood Elev= 314.50'

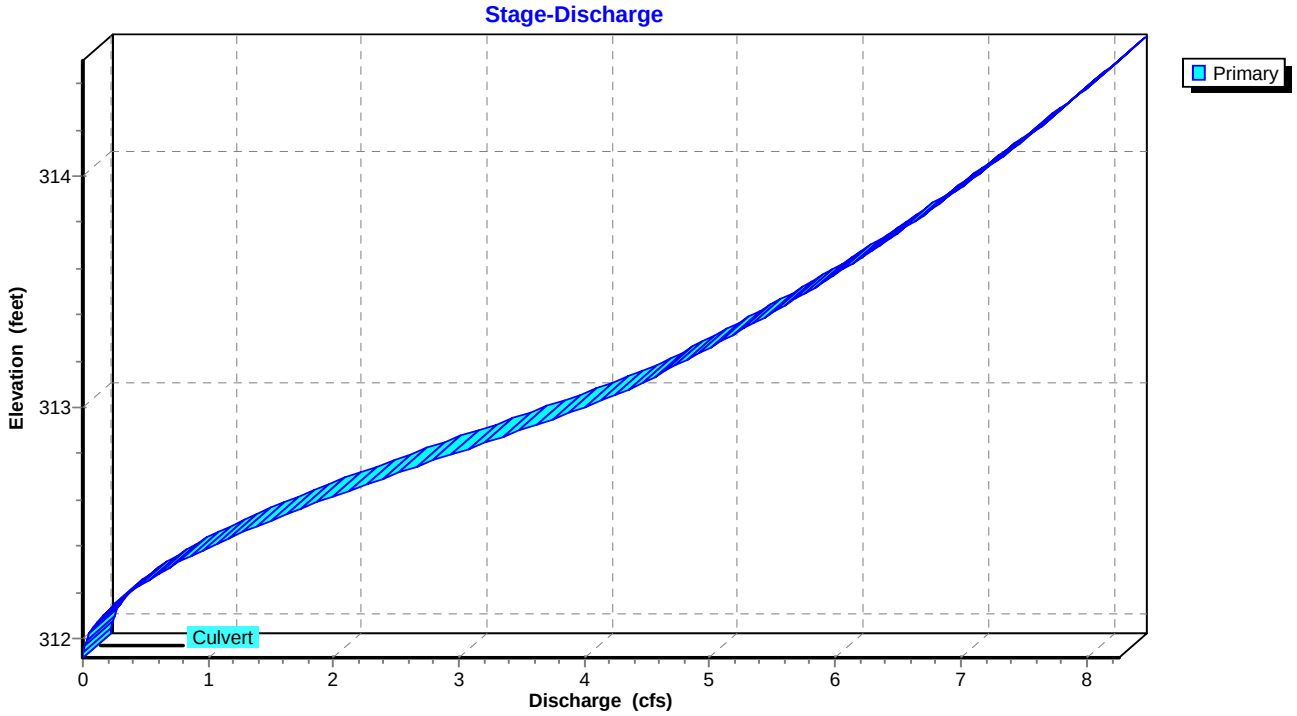
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.30 cfs @ 12.02 hrs HW=312.68' TW=311.92' (Dynamic Tailwater)
1=Culvert (Inlet Controls 2.30 cfs @ 2.96 fps)

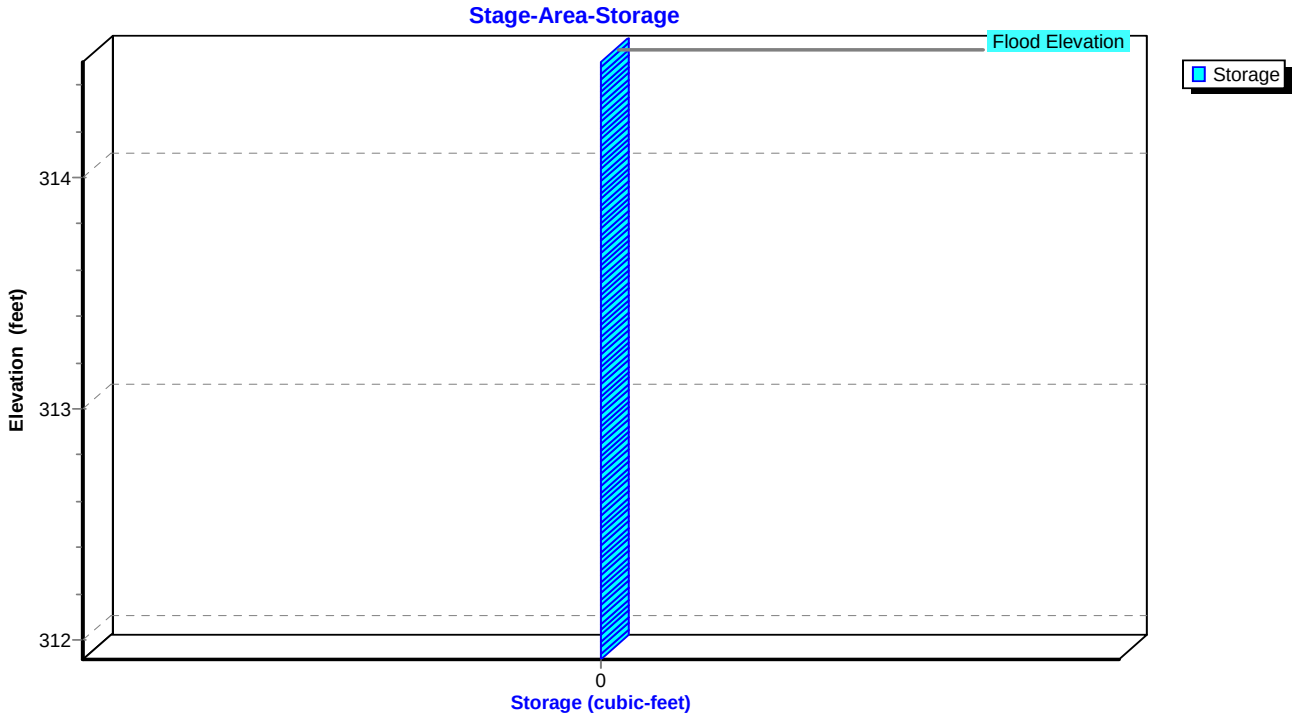
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.92	0.00
7.50	0.00	311.93	0.00
8.00	0.00	311.95	0.00
8.50	0.01	311.97	0.01
9.00	0.02	311.98	0.02
9.50	0.03	312.00	0.03
10.00	0.04	312.01	0.04
10.50	0.06	312.03	0.06
11.00	0.09	312.05	0.09
11.50	0.17	312.10	0.17
12.00	**2.07**	**312.63**	**2.07**
12.50	**0.31**	**312.18**	**0.31**
13.00	0.17	312.11	0.17
13.50	0.15	312.09	0.15
14.00	0.12	312.08	0.12
14.50	0.10	312.07	0.10
15.00	0.09	312.06	0.09
15.50	0.08	312.05	0.08
16.00	0.06	312.03	0.06
16.50	0.06	312.03	0.06
17.00	0.05	312.02	0.05
17.50	0.05	312.02	0.05
18.00	0.04	312.01	0.04
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.03	312.00	0.03
20.00	0.03	312.00	0.03
20.50	0.03	312.00	0.03
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	311.99	0.03
22.50	0.03	311.99	0.03
23.00	0.02	311.99	0.02
23.50	0.02	311.99	0.02
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

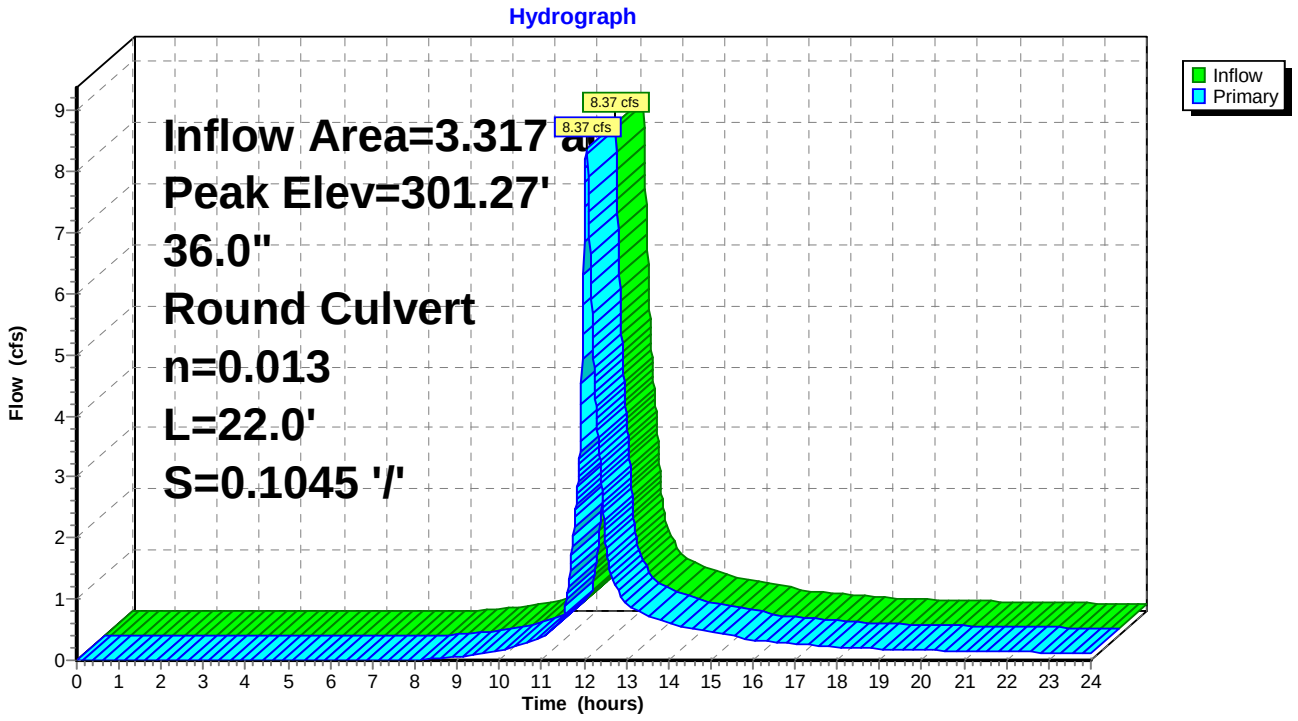
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 2.43" for 5-Year event
Inflow = 8.37 cfs @ 12.06 hrs, Volume= 0.671 af
Outflow = 8.37 cfs @ 12.06 hrs, Volume= 0.671 af, Atten= 0%, Lag= 0.0 min
Primary = 8.37 cfs @ 12.06 hrs, Volume= 0.671 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.27' @ 12.06 hrs
Flood Elev= 302.00'

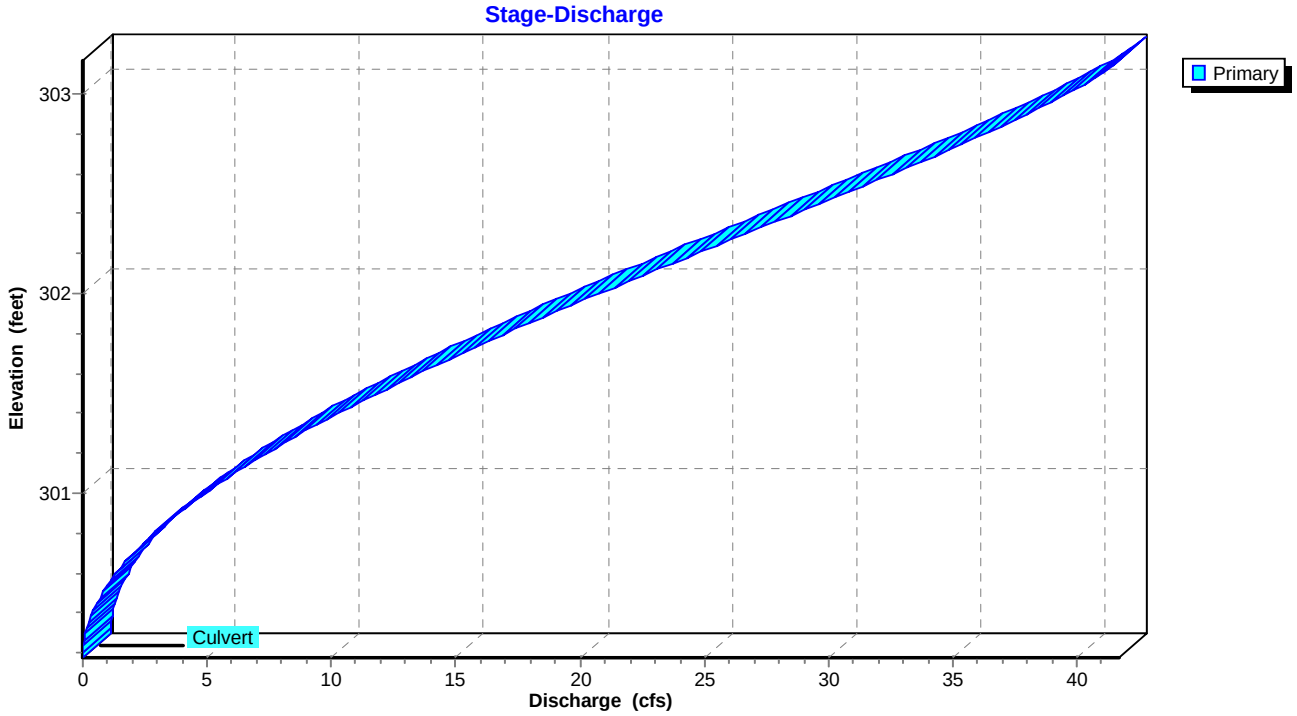
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=8.37 cfs @ 12.06 hrs HW=301.27' TW=300.44' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.37 cfs @ 3.57 fps)

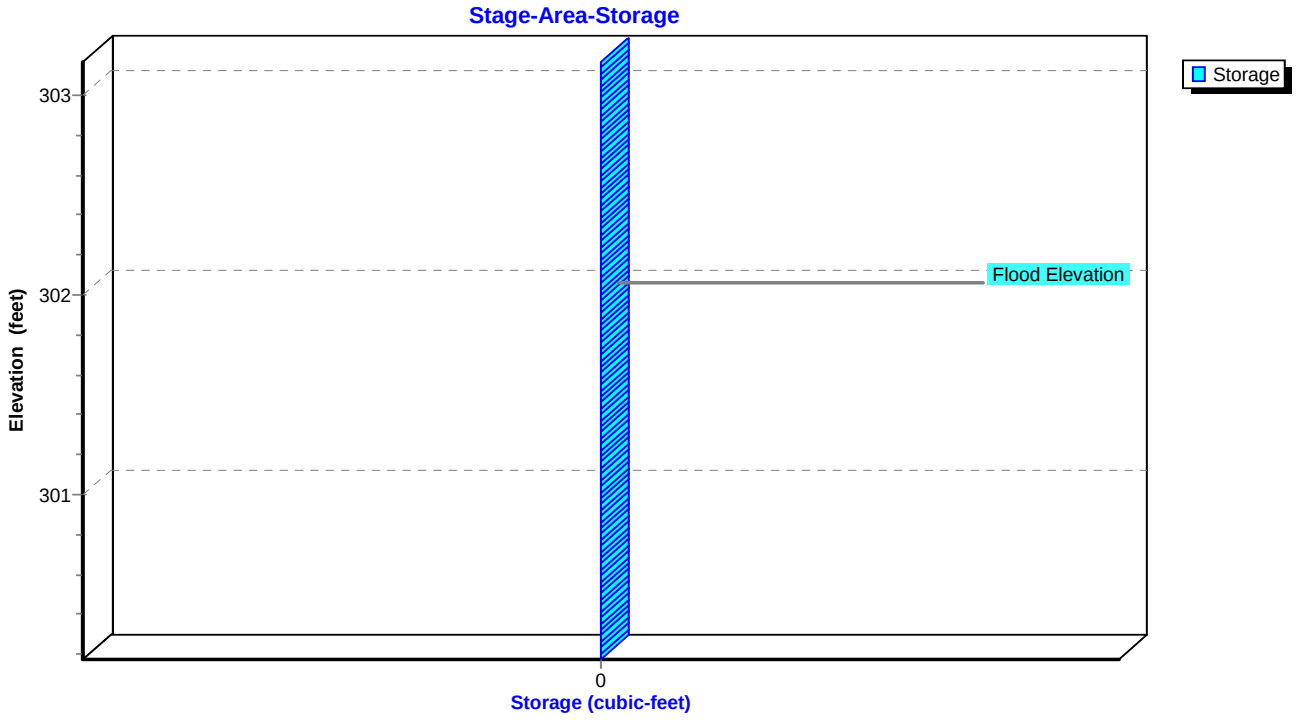
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.17	0.00
6.00	0.00	300.17	0.00
6.50	0.00	300.17	0.00
7.00	0.00	300.17	0.00
7.50	0.00	300.18	0.00
8.00	0.01	300.20	0.01
8.50	0.02	300.22	0.02
9.00	0.05	300.25	0.05
9.50	0.10	300.28	0.10
10.00	0.15	300.31	0.15
10.50	0.24	300.35	0.24
11.00	0.36	300.39	0.36
11.50	0.70	300.47	0.70
12.00	**6.86**	**301.16**	**6.86**
12.50	**2.11**	**300.70**	**2.11**
13.00	0.93	300.52	0.93
13.50	0.74	300.48	0.74
14.00	0.61	300.45	0.61
14.50	0.53	300.43	0.53
15.00	0.47	300.42	0.47
15.50	0.40	300.40	0.40
16.00	0.33	300.38	0.33
16.50	0.30	300.37	0.30
17.00	0.27	300.36	0.27
17.50	0.24	300.34	0.24
18.00	0.20	300.33	0.20
18.50	0.19	300.33	0.19
19.00	0.18	300.32	0.18
19.50	0.17	300.32	0.17
20.00	0.17	300.32	0.17
20.50	0.16	300.31	0.16
21.00	0.15	300.31	0.15
21.50	0.14	300.31	0.14
22.00	0.14	300.30	0.14
22.50	0.13	300.30	0.13
23.00	0.12	300.30	0.12
23.50	0.12	300.29	0.12
24.00	0.11	300.29	0.11

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

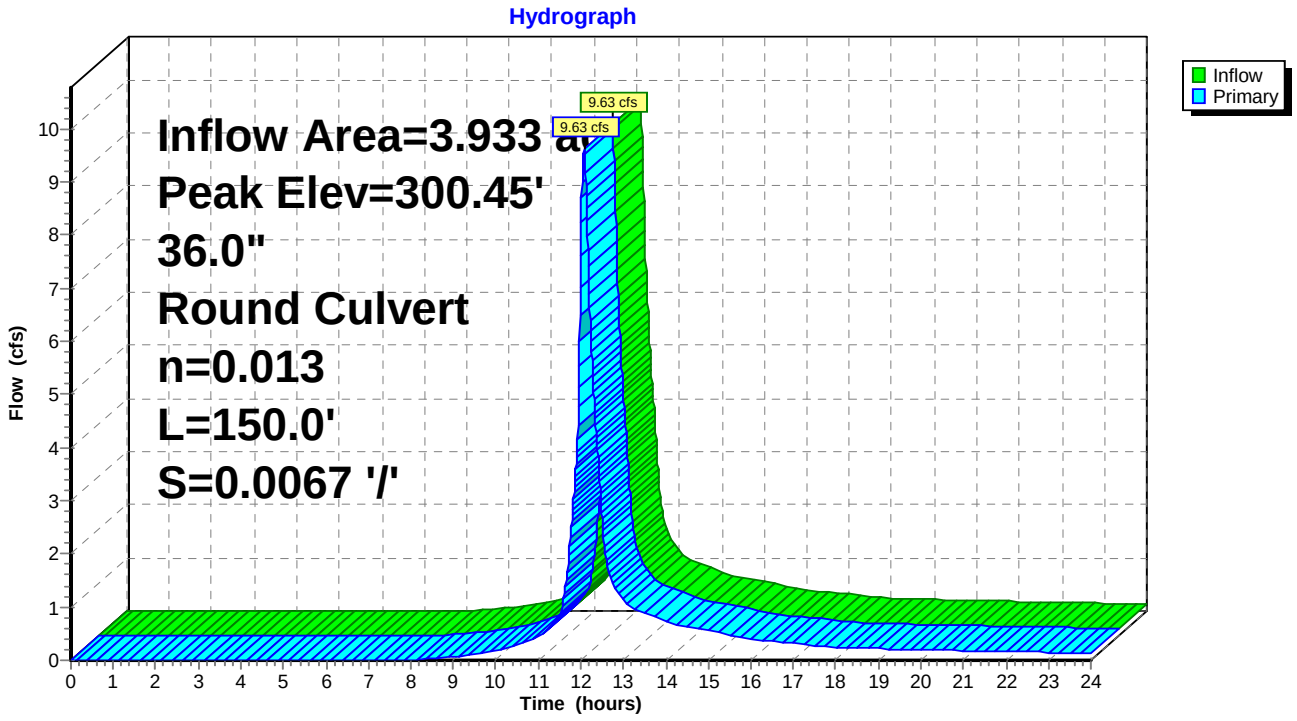
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 2.45" for 5-Year event
Inflow = 9.63 cfs @ 12.08 hrs, Volume= 0.801 af
Outflow = 9.63 cfs @ 12.08 hrs, Volume= 0.801 af, Atten= 0%, Lag= 0.0 min
Primary = 9.63 cfs @ 12.08 hrs, Volume= 0.801 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.45' @ 12.08 hrs
Flood Elev= 304.80'

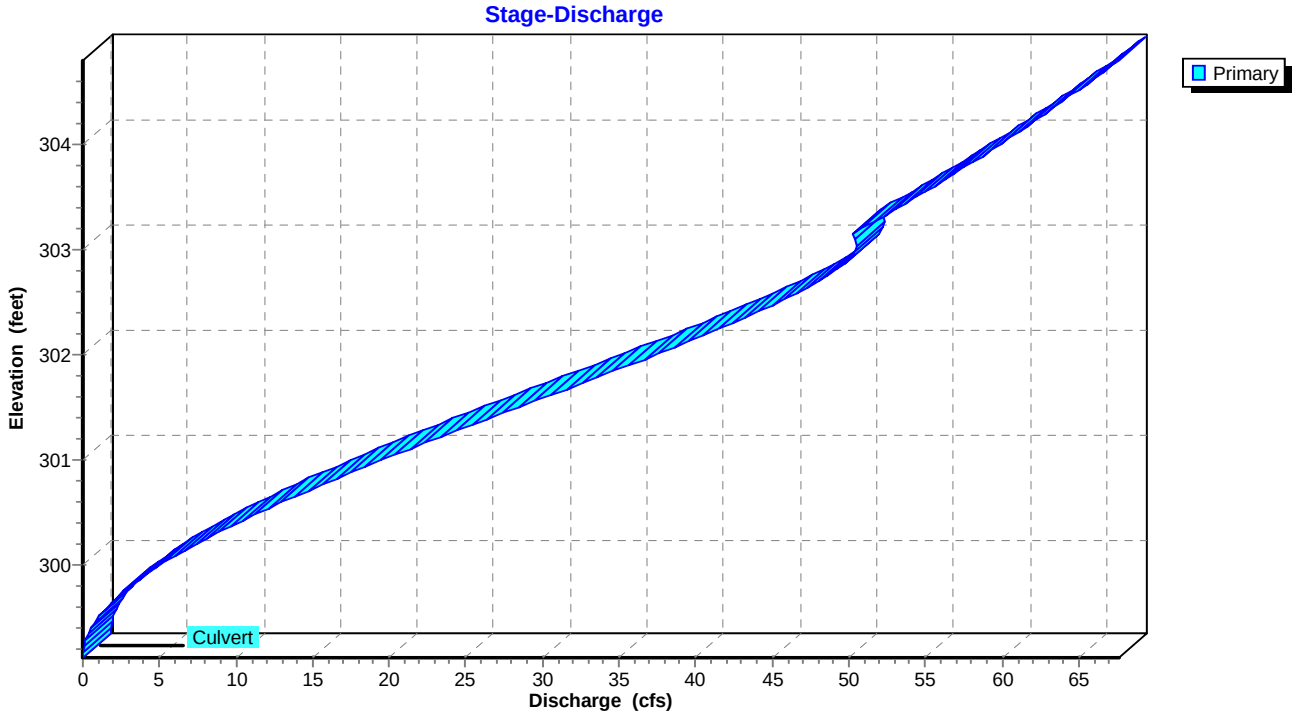
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.56 cfs @ 12.08 hrs HW=300.44' TW=299.38' (Dynamic Tailwater)
1=Culvert (Outlet Controls 9.56 cfs @ 4.68 fps)

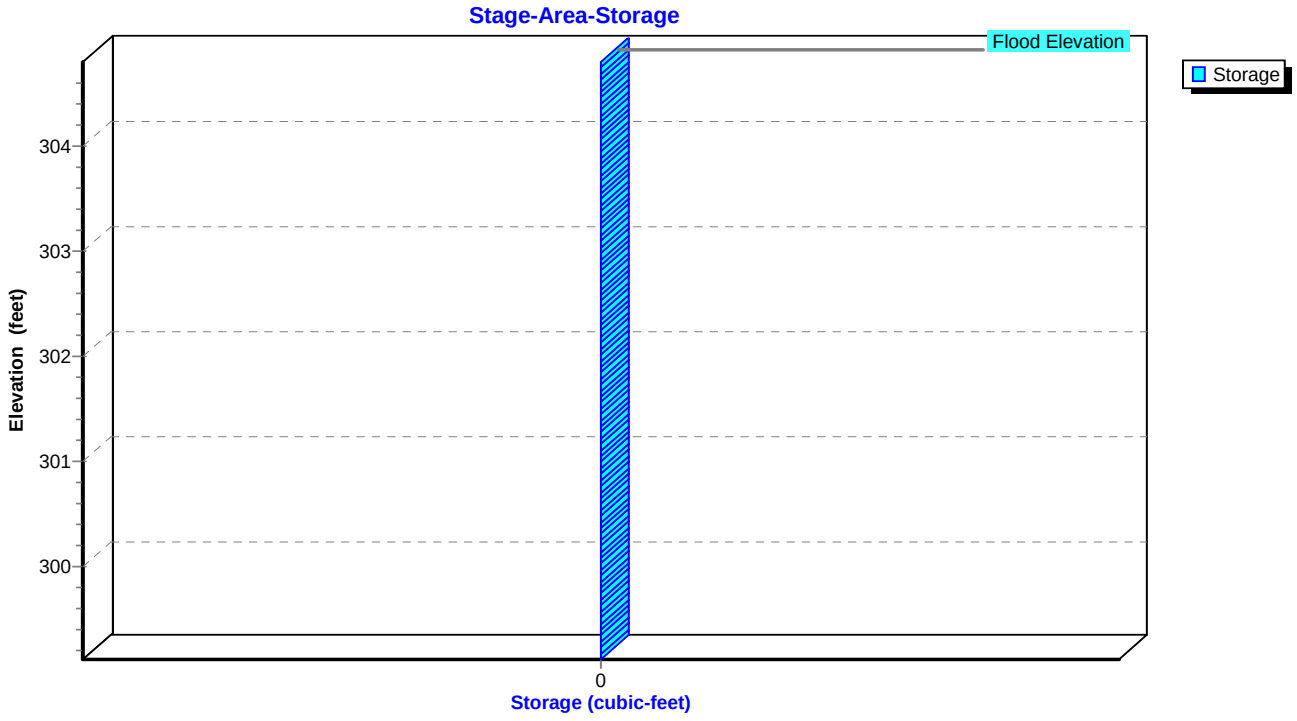
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.12	0.00
6.00	0.00	299.12	0.00
6.50	0.00	299.12	0.00
7.00	0.00	299.12	0.00
7.50	0.00	299.13	0.00
8.00	0.01	299.16	0.01
8.50	0.03	299.19	0.03
9.00	0.07	299.23	0.07
9.50	0.12	299.26	0.12
10.00	0.19	299.29	0.19
10.50	0.29	299.33	0.29
11.00	0.44	299.38	0.44
11.50	0.83	299.47	0.83
12.00	**7.62**	**300.25**	**7.62**
12.50	**2.67**	**299.77**	**2.67**
13.00	1.13	299.53	1.13
13.50	0.89	299.48	0.89
14.00	0.73	299.45	0.73
14.50	0.64	299.43	0.64
15.00	0.56	299.41	0.56
15.50	0.48	299.39	0.48
16.00	0.40	299.37	0.40
16.50	0.35	299.35	0.35
17.00	0.32	299.34	0.32
17.50	0.28	299.33	0.28
18.00	0.24	299.32	0.24
18.50	0.23	299.31	0.23
19.00	0.22	299.31	0.22
19.50	0.21	299.30	0.21
20.00	0.20	299.30	0.20
20.50	0.19	299.29	0.19
21.00	0.18	299.29	0.18
21.50	0.17	299.29	0.17
22.00	0.16	299.28	0.16
22.50	0.16	299.28	0.16
23.00	0.15	299.27	0.15
23.50	0.14	299.27	0.14
24.00	0.13	299.27	0.13

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

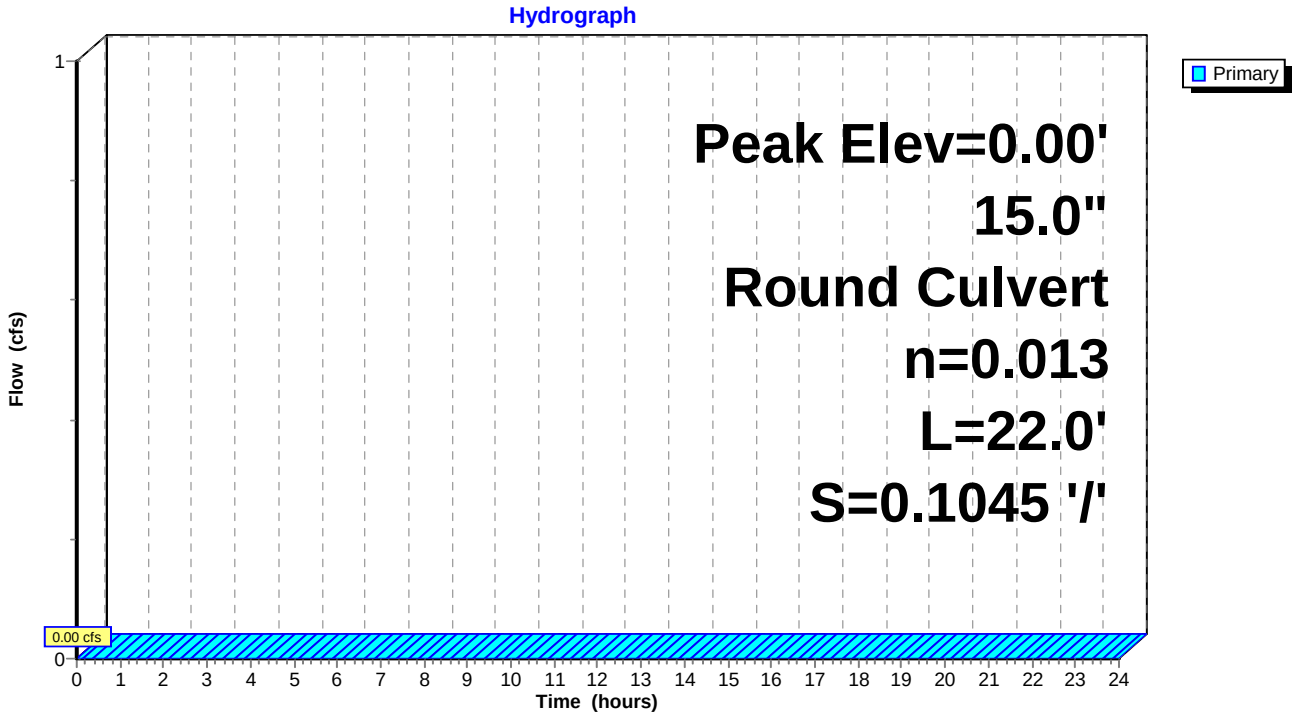
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

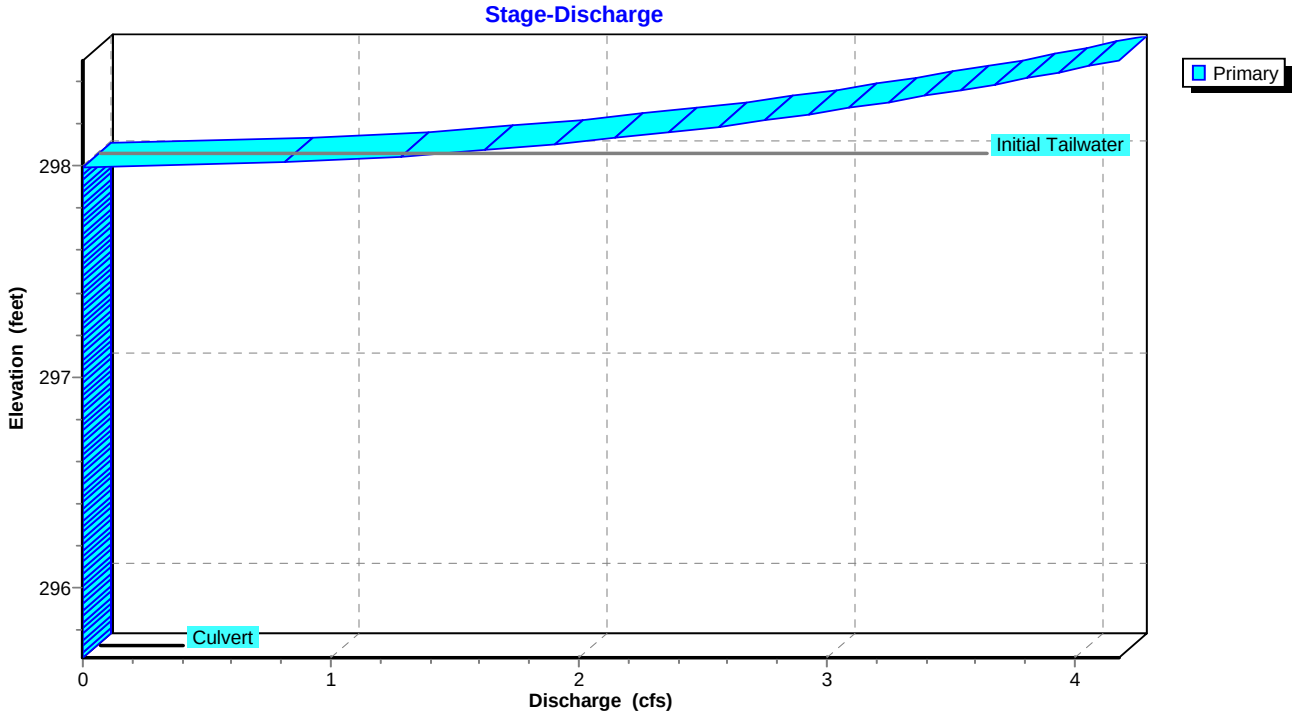
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

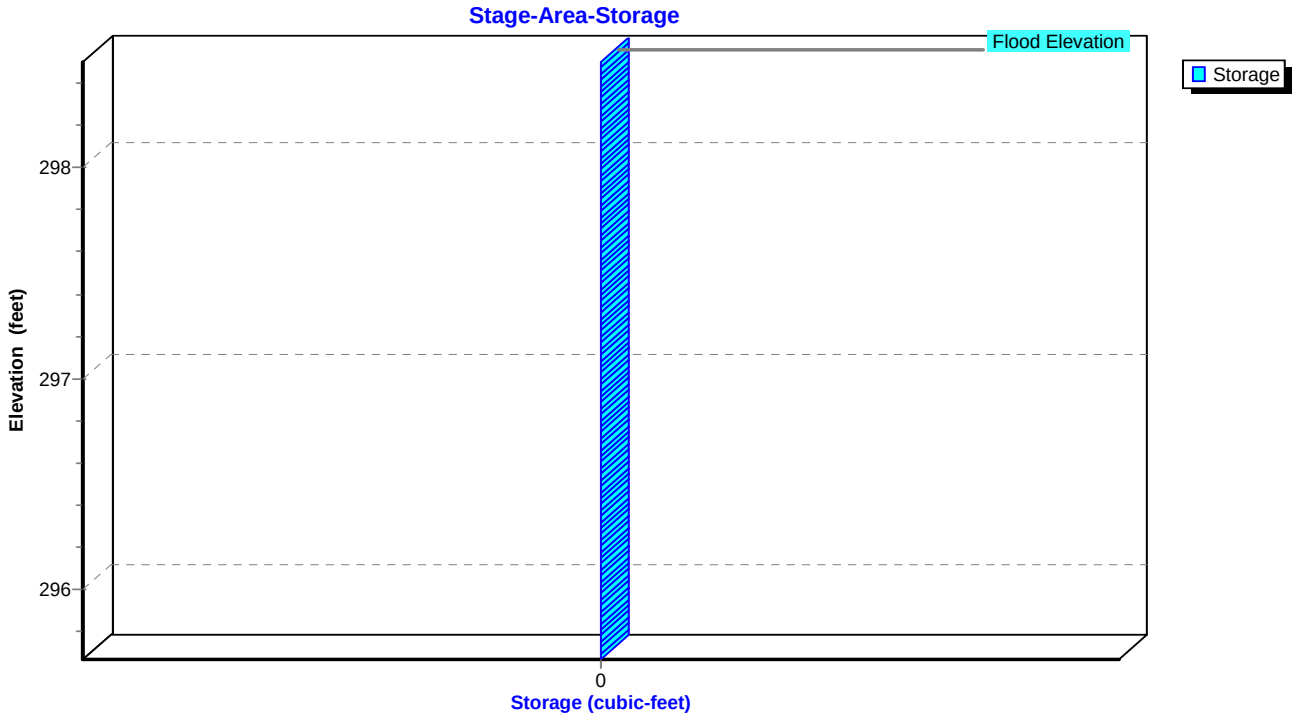
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

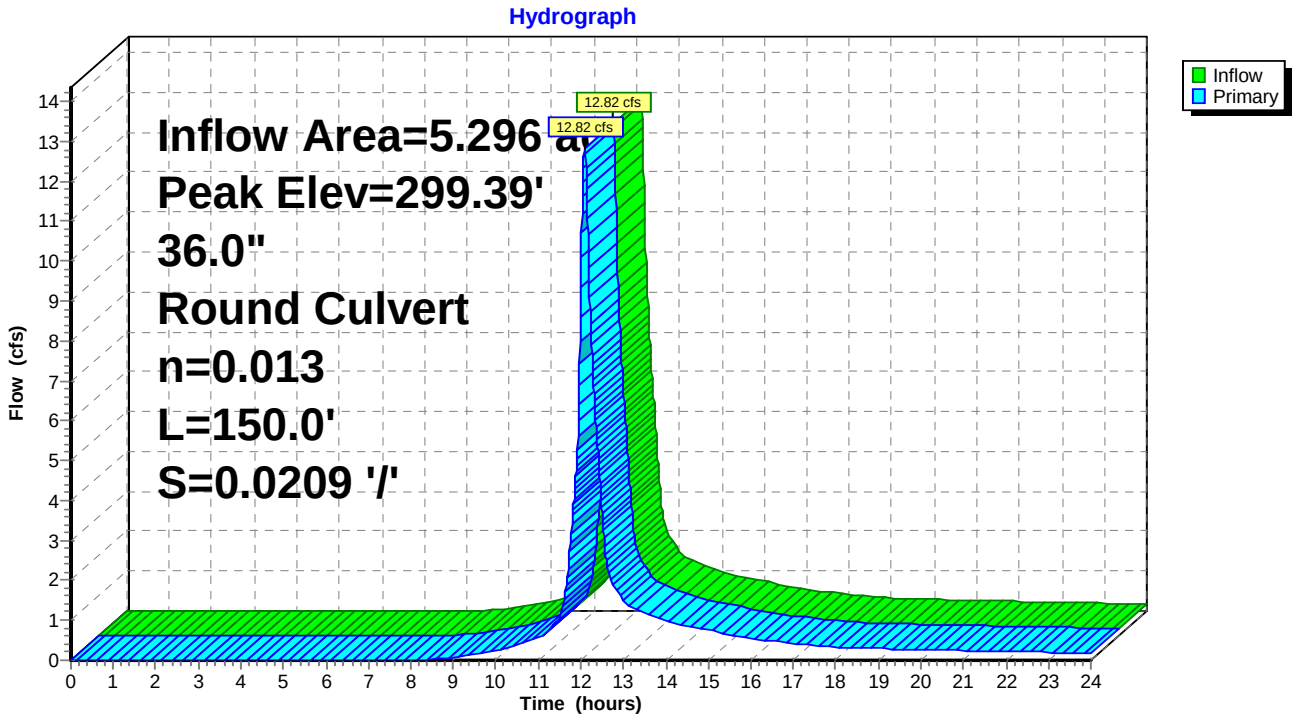
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 2.41" for 5-Year event
Inflow = 12.82 cfs @ 12.09 hrs, Volume= 1.062 af
Outflow = 12.82 cfs @ 12.09 hrs, Volume= 1.062 af, Atten= 0%, Lag= 0.0 min
Primary = 12.82 cfs @ 12.09 hrs, Volume= 1.062 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.39' @ 12.09 hrs
Flood Elev= 302.30'

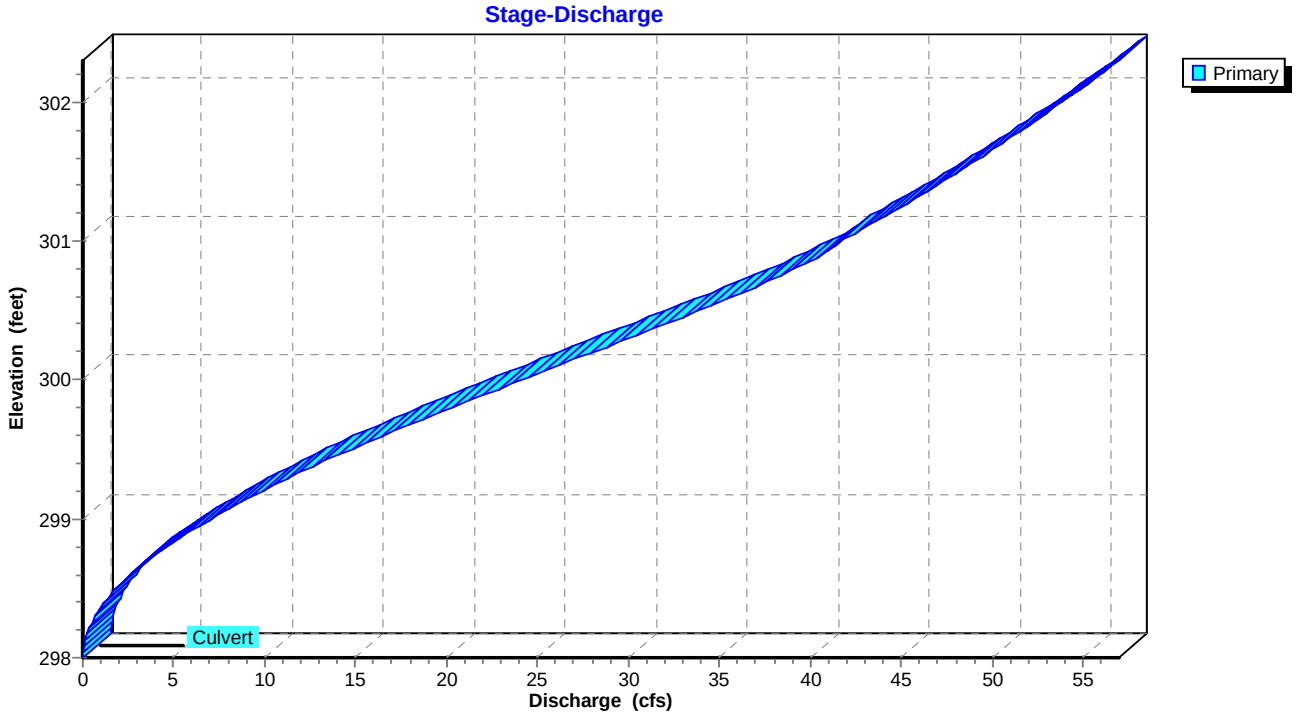
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=12.81 cfs @ 12.09 hrs HW=299.39' TW=296.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.81 cfs @ 4.01 fps)

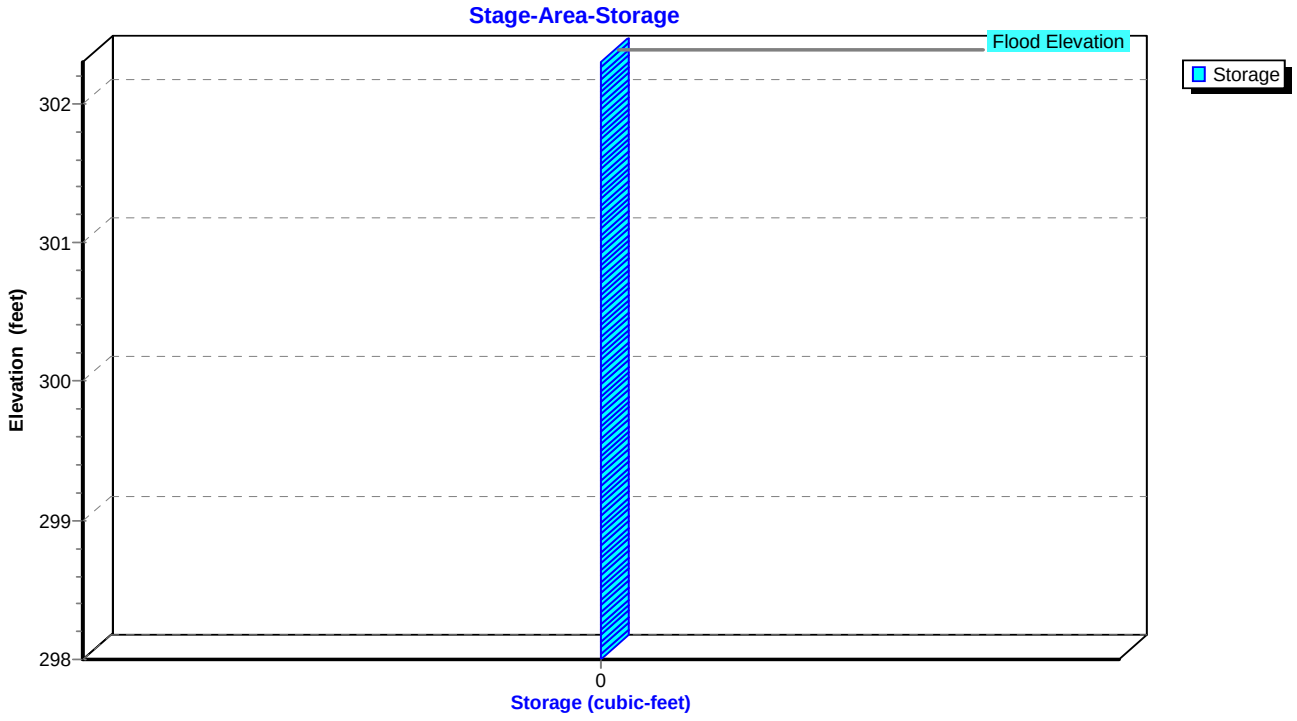
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.00	0.00
6.00	0.00	298.00	0.00
6.50	0.00	298.00	0.00
7.00	0.00	298.00	0.00
7.50	0.00	298.01	0.00
8.00	0.01	298.03	0.01
8.50	0.03	298.06	0.03
9.00	0.08	298.10	0.08
9.50	0.15	298.14	0.15
10.00	0.23	298.17	0.23
10.50	0.37	298.22	0.37
11.00	0.56	298.27	0.56
11.50	1.07	298.38	1.07
12.00	**9.33**	**299.17**	**9.33**
12.50	**3.68**	**298.71**	**3.68**
13.00	1.52	298.45	1.52
13.50	1.19	298.40	1.19
14.00	0.98	298.36	0.98
14.50	0.85	298.34	0.85
15.00	0.75	298.31	0.75
15.50	0.64	298.29	0.64
16.00	0.53	298.26	0.53
16.50	0.47	298.25	0.47
17.00	0.42	298.24	0.42
17.50	0.38	298.22	0.38
18.00	0.33	298.21	0.33
18.50	0.31	298.20	0.31
19.00	0.29	298.19	0.29
19.50	0.28	298.19	0.28
20.00	0.26	298.18	0.26
20.50	0.25	298.18	0.25
21.00	0.24	298.18	0.24
21.50	0.23	298.17	0.23
22.00	0.22	298.17	0.22
22.50	0.21	298.16	0.21
23.00	0.20	298.16	0.20
23.50	0.19	298.15	0.19
24.00	0.17	298.15	0.17

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

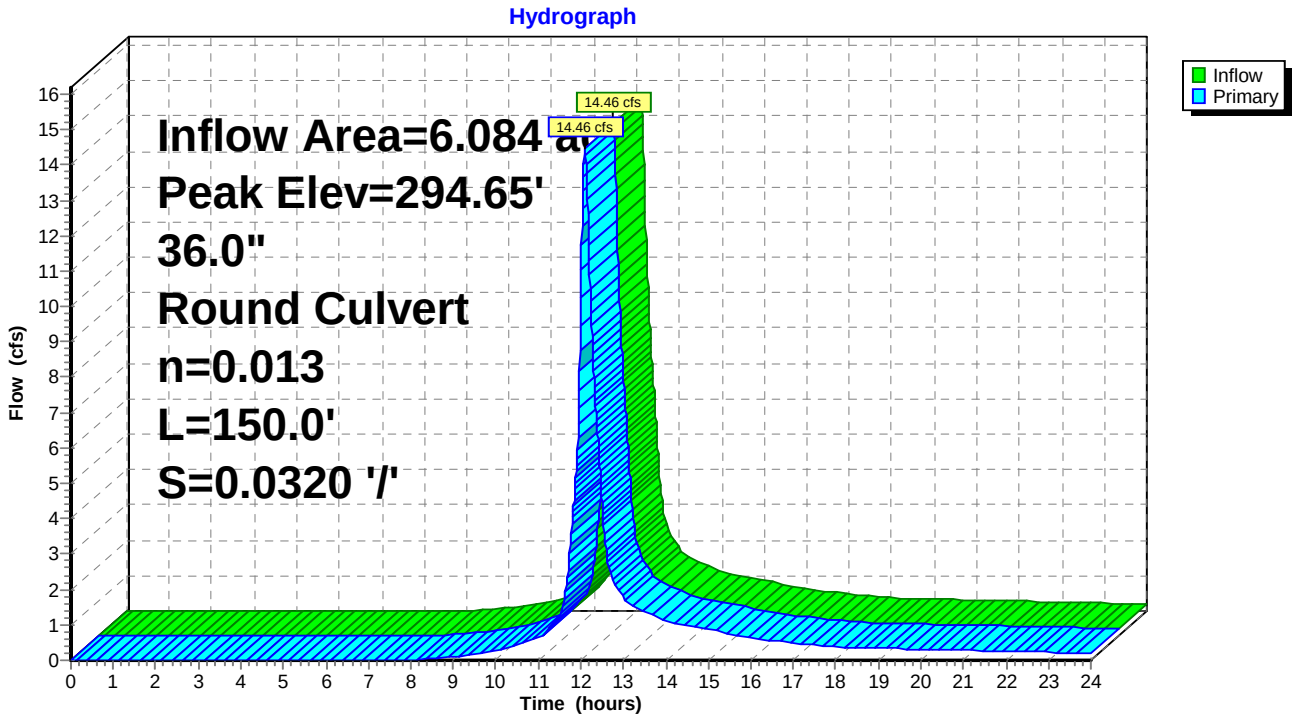
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 2.42" for 5-Year event
Inflow = 14.46 cfs @ 12.10 hrs, Volume= 1.228 af
Outflow = 14.46 cfs @ 12.10 hrs, Volume= 1.228 af, Atten= 0%, Lag= 0.0 min
Primary = 14.46 cfs @ 12.10 hrs, Volume= 1.228 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 294.65' @ 12.10 hrs
Flood Elev= 296.00'

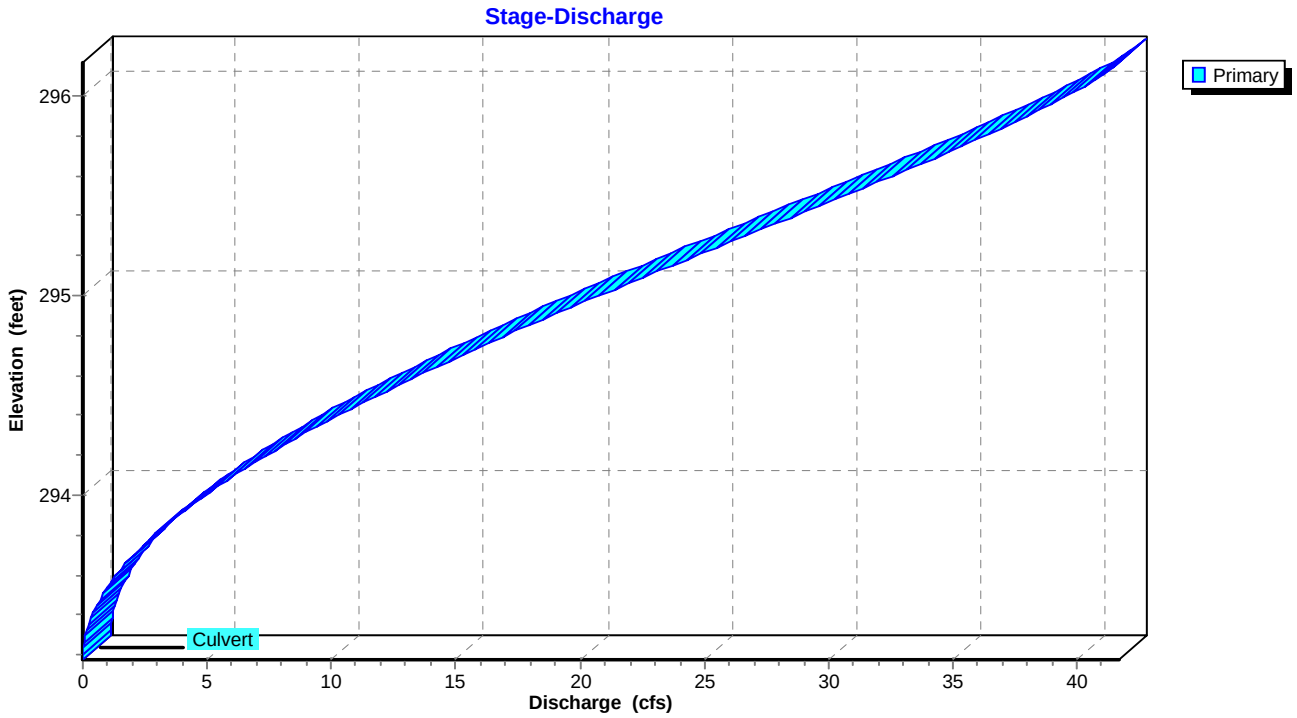
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.45 cfs @ 12.10 hrs HW=294.65' (Free Discharge)
1=Culvert (Inlet Controls 14.45 cfs @ 4.15 fps)

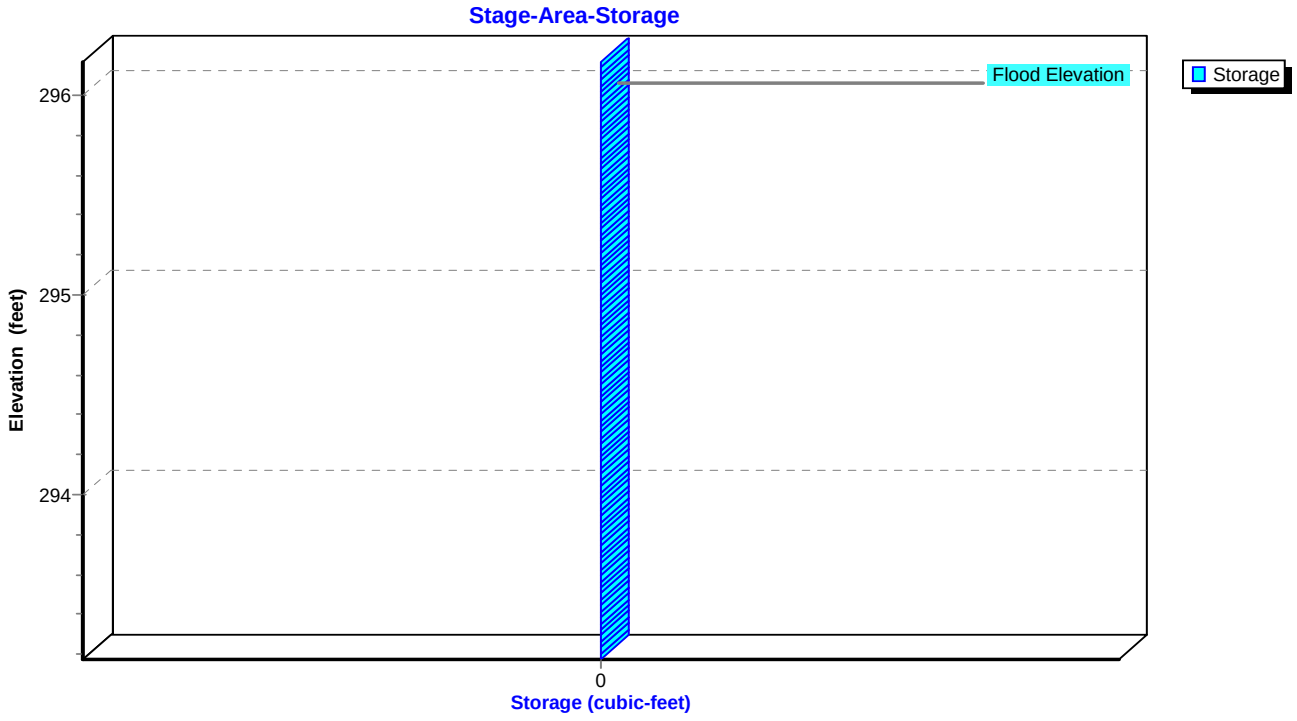
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.17	0.00
6.00	0.00	293.17	0.00
6.50	0.00	293.17	0.00
7.00	0.00	293.17	0.00
7.50	0.00	293.18	0.00
8.00	0.01	293.21	0.01
8.50	0.03	293.24	0.03
9.00	0.09	293.28	0.09
9.50	0.17	293.32	0.17
10.00	0.27	293.36	0.27
10.50	0.43	293.41	0.43
11.00	0.65	293.46	0.65
11.50	1.24	293.57	1.24
12.00	**10.23**	**294.40**	**10.23**
12.50	**4.44**	**293.95**	**4.44**
13.00	1.77	293.66	1.77
13.50	1.38	293.60	1.38
14.00	1.13	293.56	1.13
14.50	0.99	293.53	0.99
15.00	0.87	293.51	0.87
15.50	0.74	293.48	0.74
16.00	0.62	293.45	0.62
16.50	0.55	293.44	0.55
17.00	0.49	293.42	0.49
17.50	0.43	293.41	0.43
18.00	0.38	293.39	0.38
18.50	0.35	293.38	0.35
19.00	0.34	293.38	0.34
19.50	0.32	293.37	0.32
20.00	0.30	293.37	0.30
20.50	0.29	293.36	0.29
21.00	0.28	293.36	0.28
21.50	0.27	293.36	0.27
22.00	0.25	293.35	0.25
22.50	0.24	293.35	0.24
23.00	0.23	293.34	0.23
23.50	0.21	293.34	0.21
24.00	0.20	293.33	0.20

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

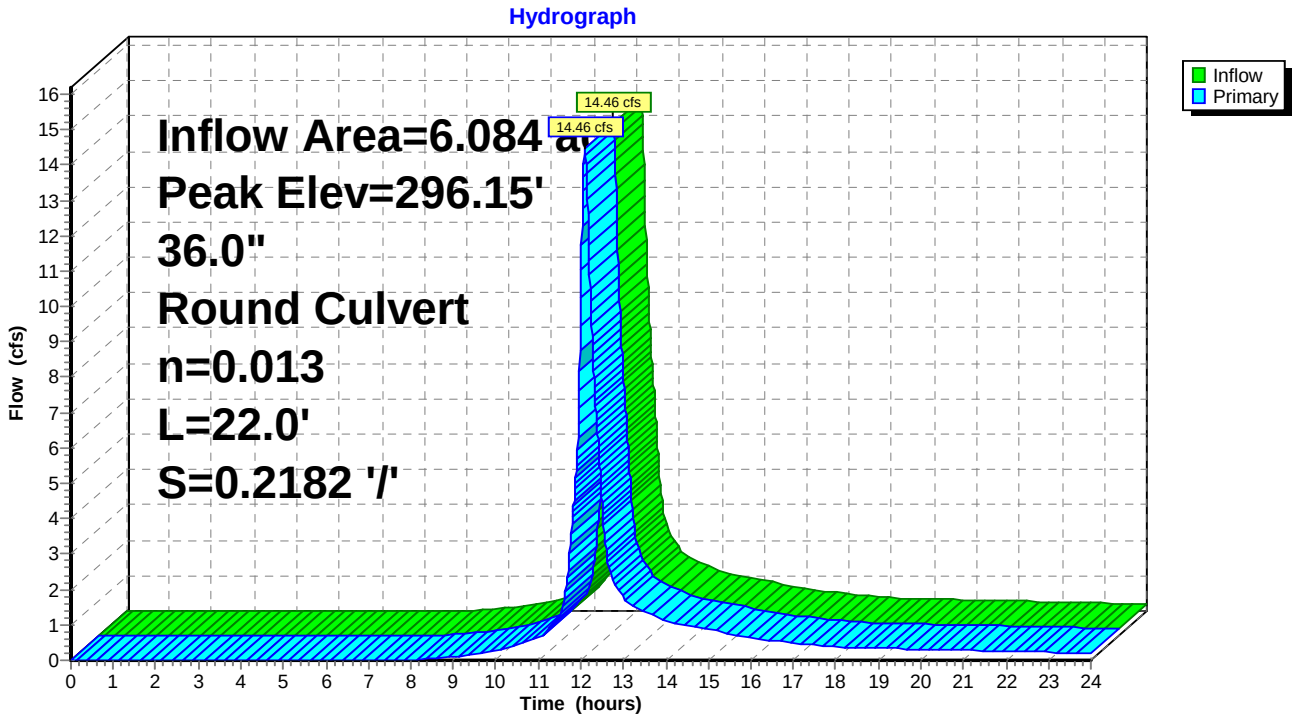
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 2.42" for 5-Year event
Inflow = 14.46 cfs @ 12.10 hrs, Volume= 1.228 af
Outflow = 14.46 cfs @ 12.10 hrs, Volume= 1.228 af, Atten= 0%, Lag= 0.0 min
Primary = 14.46 cfs @ 12.10 hrs, Volume= 1.228 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.15' @ 12.10 hrs
Flood Elev= 299.00'

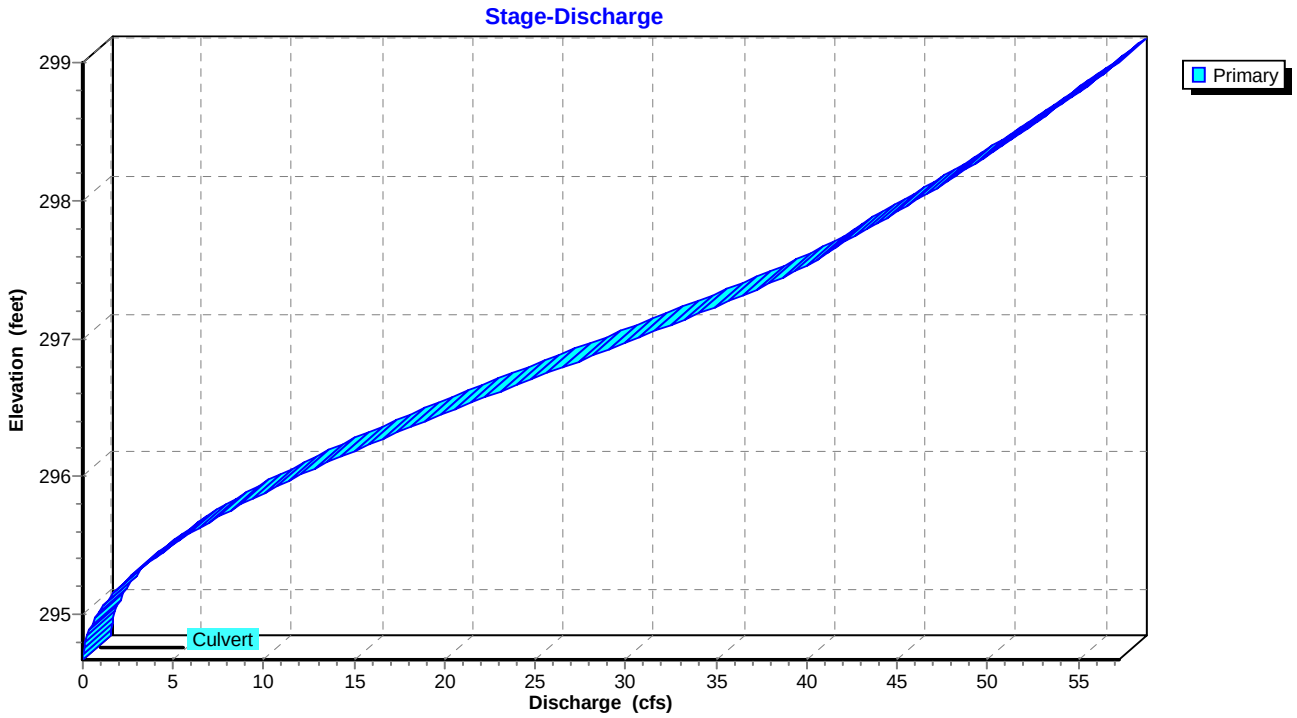
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.45 cfs @ 12.10 hrs HW=296.15' TW=294.65' (Dynamic Tailwater)
1=Culvert (Inlet Controls 14.45 cfs @ 4.15 fps)

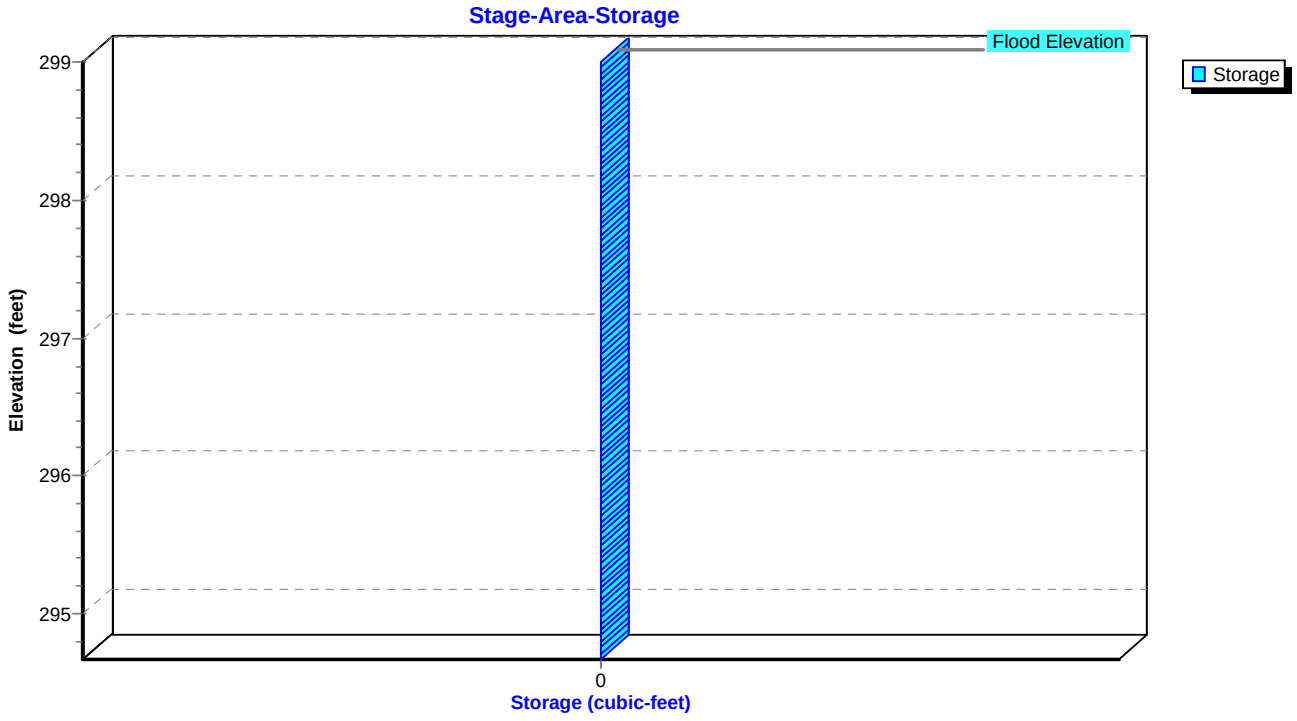
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.67	0.00
6.00	0.00	294.67	0.00
6.50	0.00	294.67	0.00
7.00	0.00	294.67	0.00
7.50	0.00	294.68	0.00
8.00	0.01	294.71	0.01
8.50	0.03	294.74	0.03
9.00	0.09	294.78	0.09
9.50	0.17	294.82	0.17
10.00	0.27	294.86	0.27
10.50	0.43	294.91	0.43
11.00	0.65	294.96	0.65
11.50	1.24	295.07	1.24
12.00	**10.23**	**295.90**	**10.23**
12.50	**4.44**	**295.45**	**4.44**
13.00	1.77	295.16	1.77
13.50	1.38	295.10	1.38
14.00	1.13	295.06	1.13
14.50	0.99	295.03	0.99
15.00	0.87	295.01	0.87
15.50	0.74	294.98	0.74
16.00	0.62	294.95	0.62
16.50	0.55	294.94	0.55
17.00	0.49	294.92	0.49
17.50	0.43	294.91	0.43
18.00	0.38	294.89	0.38
18.50	0.35	294.88	0.35
19.00	0.34	294.88	0.34
19.50	0.32	294.87	0.32
20.00	0.30	294.87	0.30
20.50	0.29	294.86	0.29
21.00	0.28	294.86	0.28
21.50	0.27	294.86	0.27
22.00	0.25	294.85	0.25
22.50	0.24	294.85	0.24
23.00	0.23	294.84	0.23
23.50	0.21	294.84	0.21
24.00	0.20	294.83	0.20

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

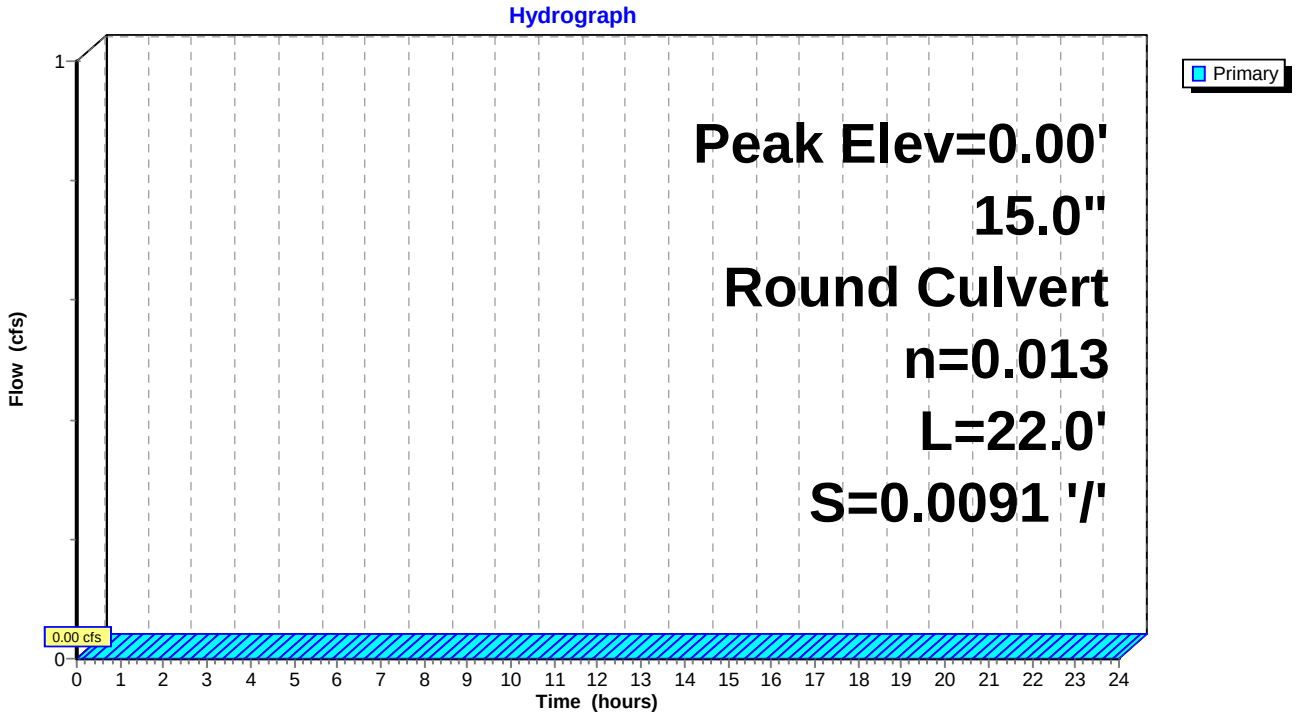
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

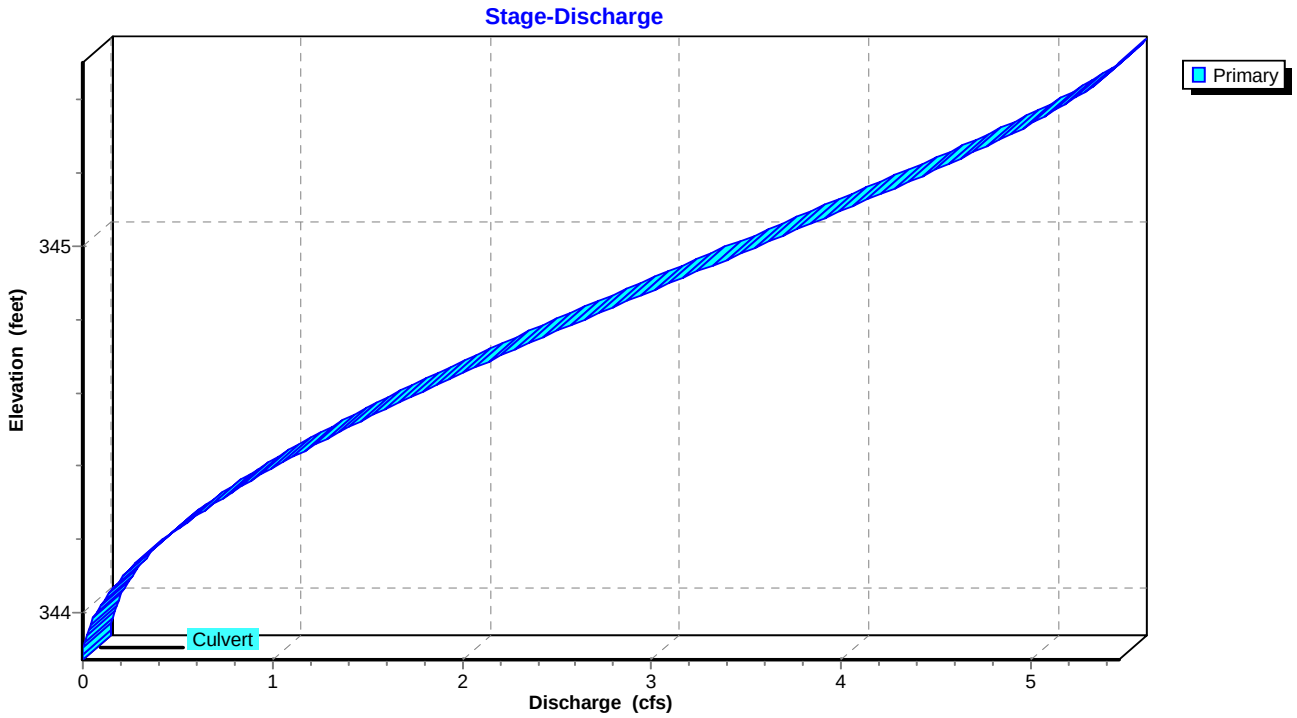
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

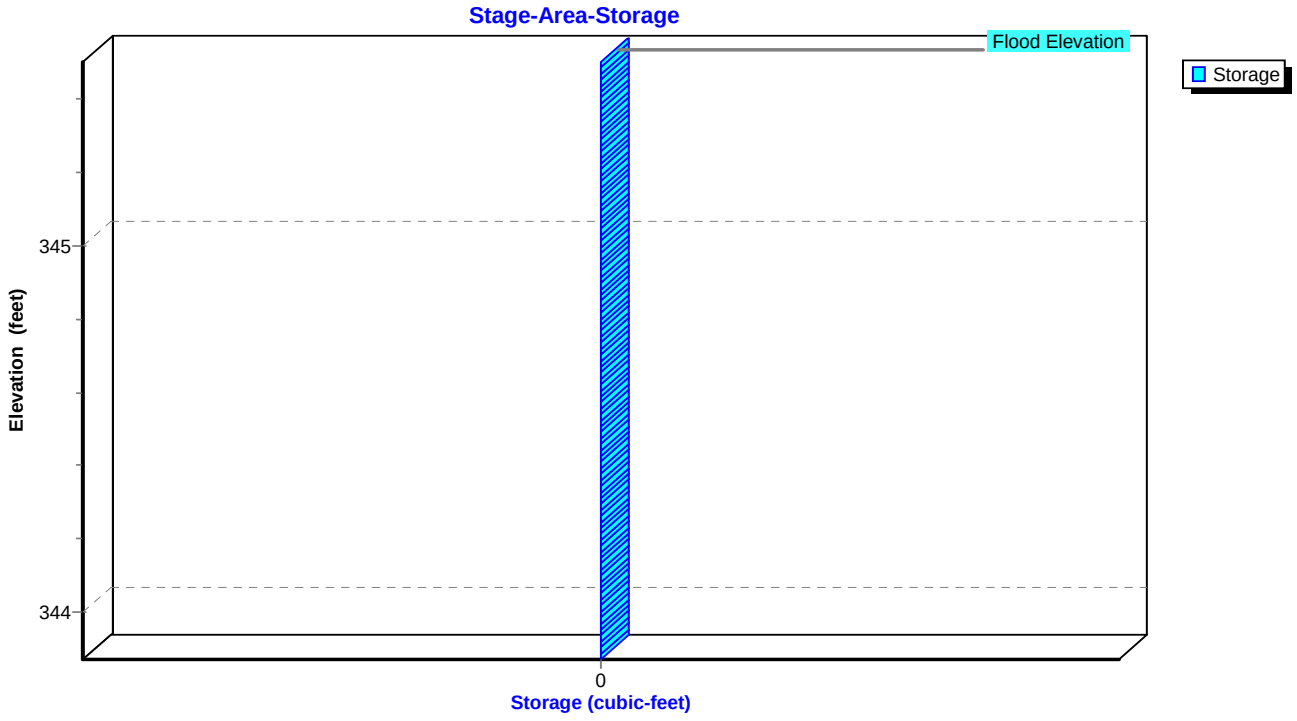
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

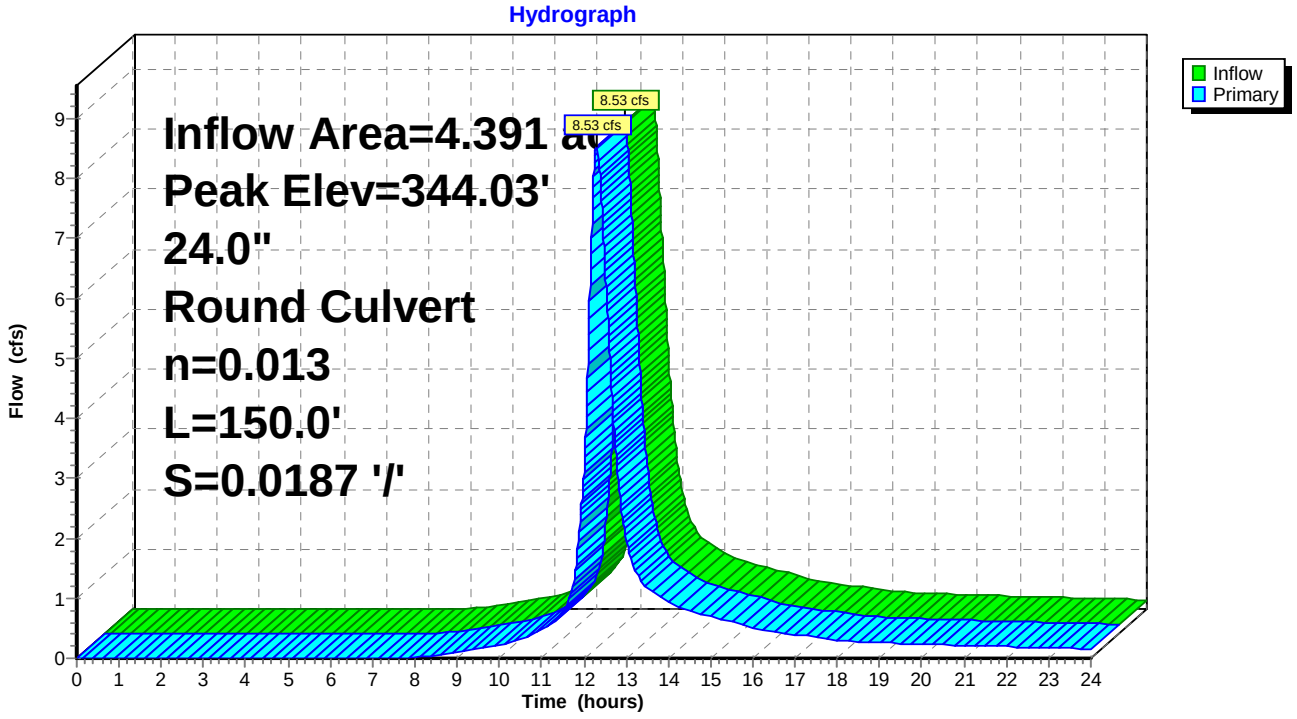
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af
Outflow = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af, Atten= 0%, Lag= 0.0 min
Primary = 8.53 cfs @ 12.30 hrs, Volume= 0.959 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.03' @ 12.30 hrs
Flood Elev= 347.00'

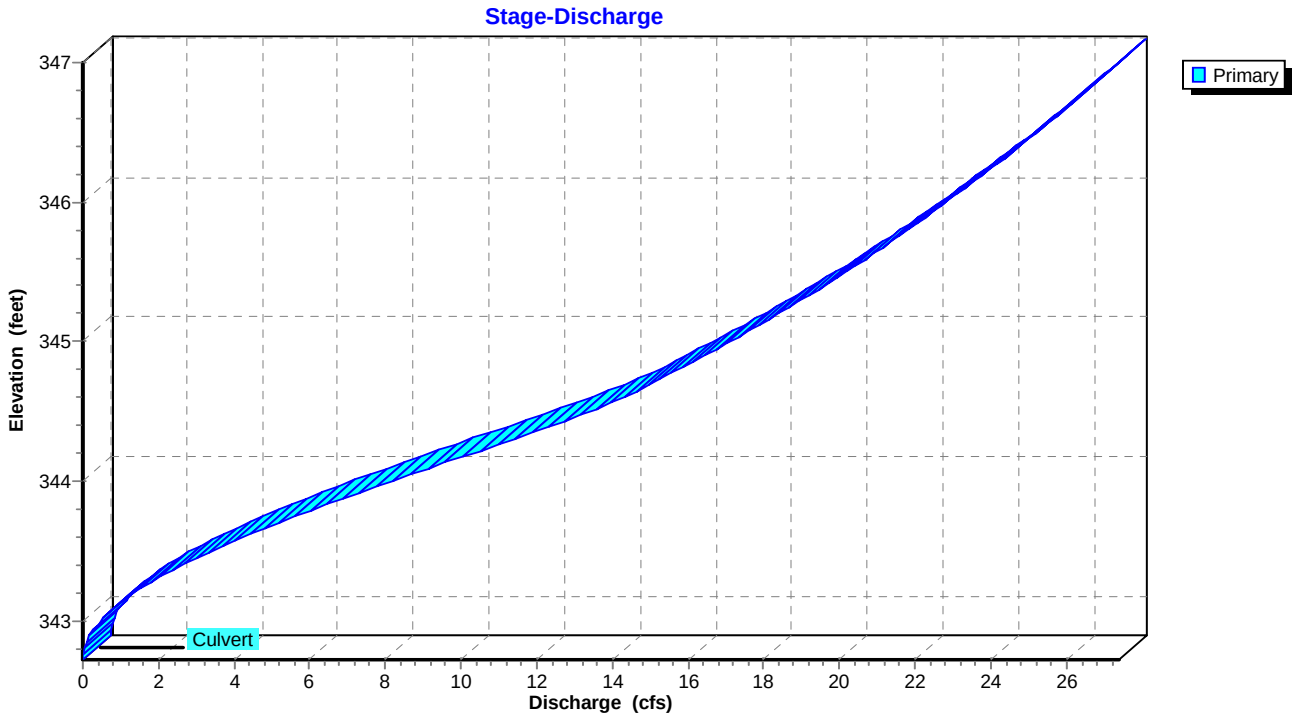
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=8.52 cfs @ 12.30 hrs HW=344.03' TW=341.22' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.52 cfs @ 3.90 fps)

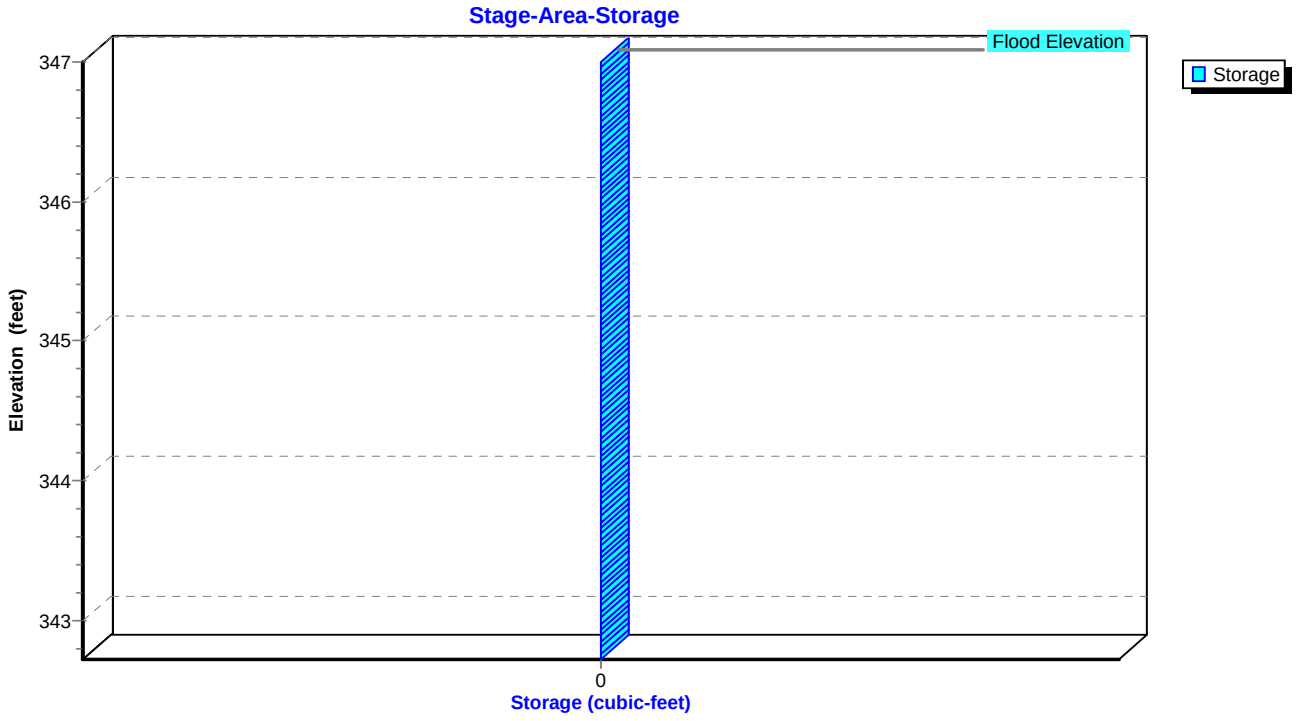
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.00	342.72	0.00
6.00	0.00	342.72	0.00
6.50	0.00	342.72	0.00
7.00	0.00	342.72	0.00
7.50	0.00	342.74	0.00
8.00	0.02	342.77	0.02
8.50	0.04	342.80	0.04
9.00	0.09	342.84	0.09
9.50	0.15	342.87	0.15
10.00	0.22	342.91	0.22
10.50	0.33	342.95	0.33
11.00	0.48	343.00	0.48
11.50	0.78	343.08	0.78
12.00	**3.10**	**343.46**	**3.10**
12.50	**6.58**	**343.85**	**6.58**
13.00	2.00	343.31	2.00
13.50	1.17	343.16	1.17
14.00	0.95	343.12	0.95
14.50	0.79	343.08	0.79
15.00	0.70	343.06	0.70
15.50	0.60	343.03	0.60
16.00	0.51	343.01	0.51
16.50	0.43	342.98	0.43
17.00	0.39	342.97	0.39
17.50	0.35	342.96	0.35
18.00	0.30	342.94	0.30
18.50	0.27	342.93	0.27
19.00	0.26	342.92	0.26
19.50	0.25	342.92	0.25
20.00	0.23	342.91	0.23
20.50	0.22	342.91	0.22
21.00	0.21	342.90	0.21
21.50	0.20	342.90	0.20
22.00	0.19	342.90	0.19
22.50	0.18	342.89	0.18
23.00	0.17	342.89	0.17
23.50	0.16	342.88	0.16
24.00	0.16	342.88	0.16

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

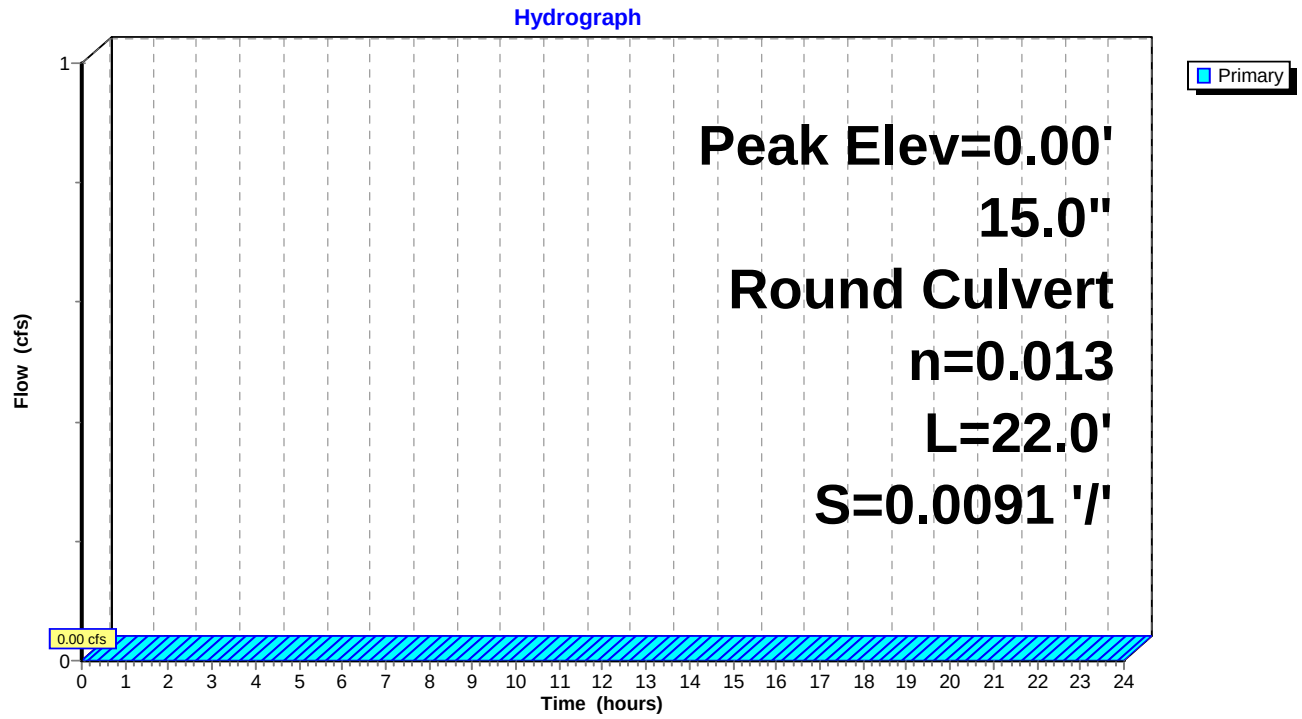
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

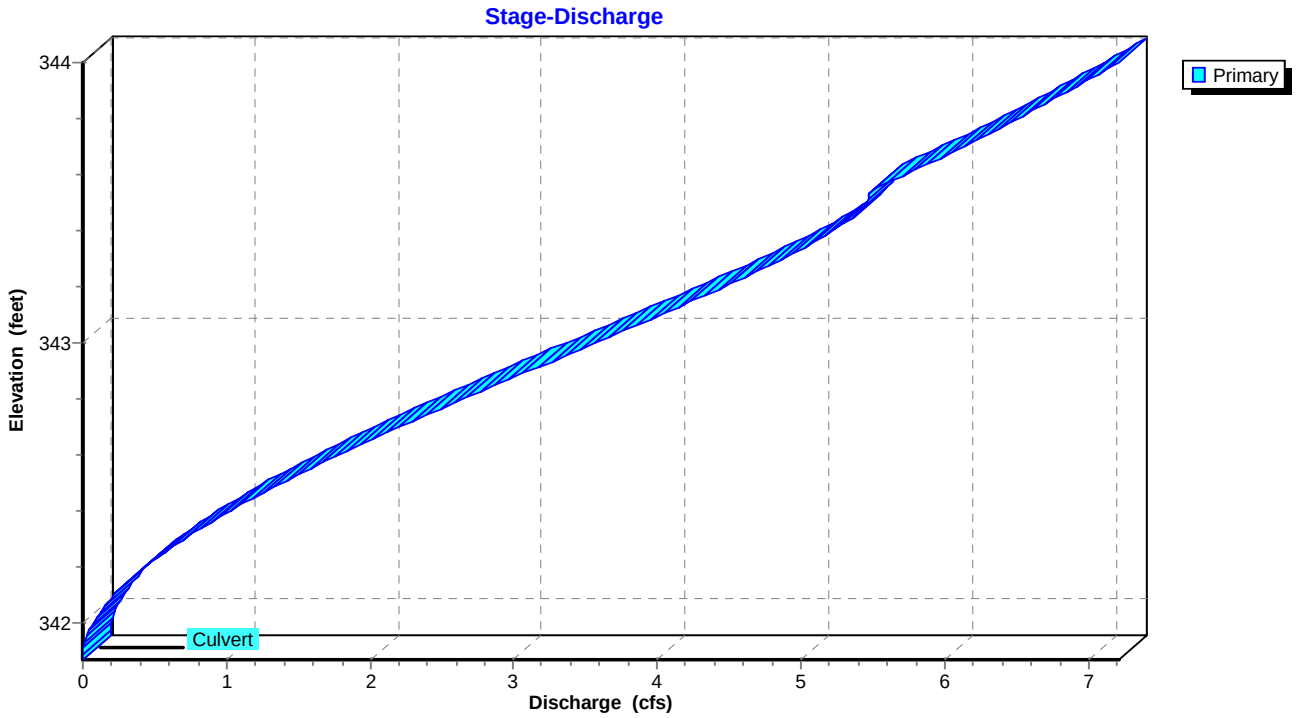
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

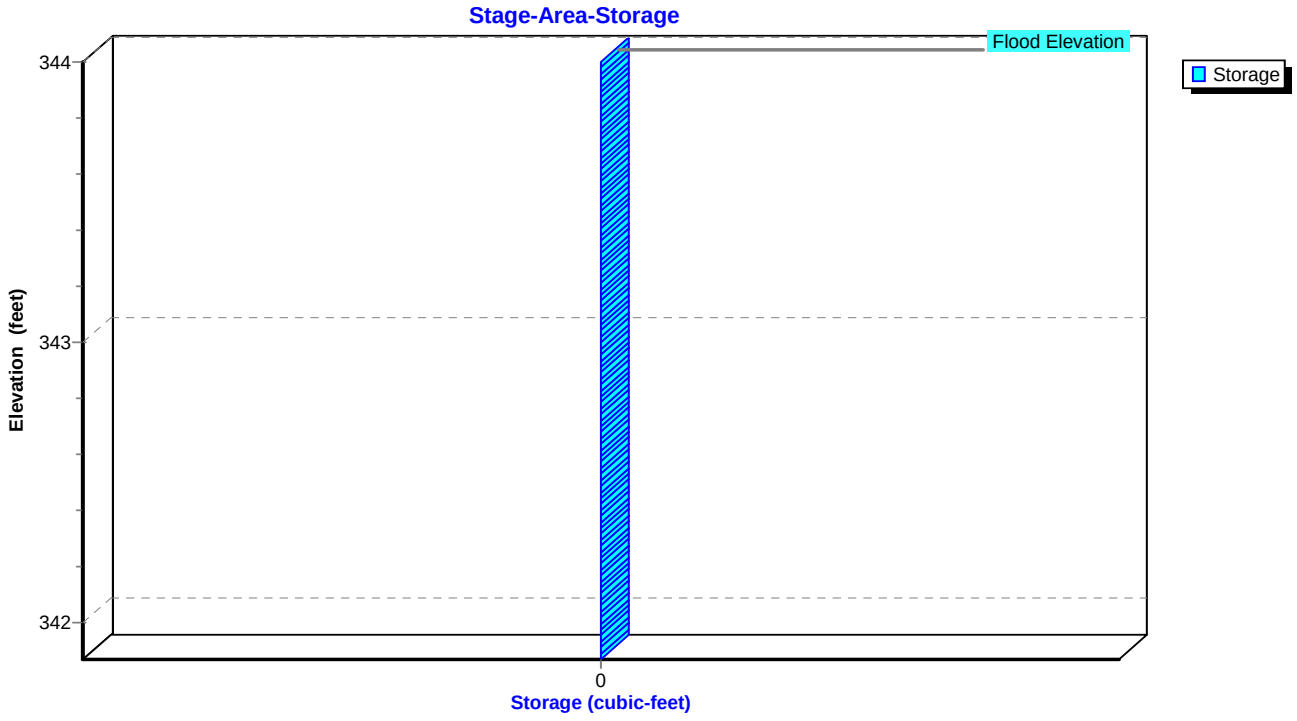
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

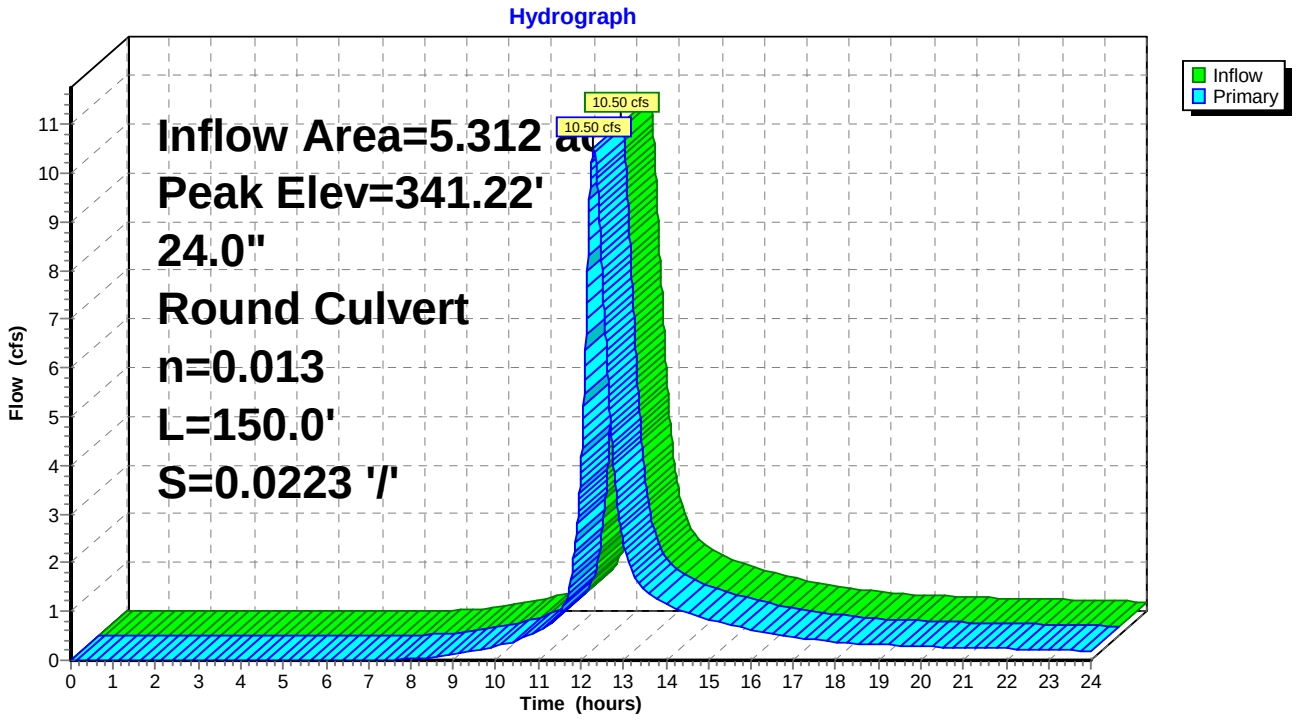
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 2.65" for 5-Year event
Inflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af
Outflow = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af, Atten= 0%, Lag= 0.0 min
Primary = 10.50 cfs @ 12.30 hrs, Volume= 1.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 341.22' @ 12.30 hrs
Flood Elev= 345.00'

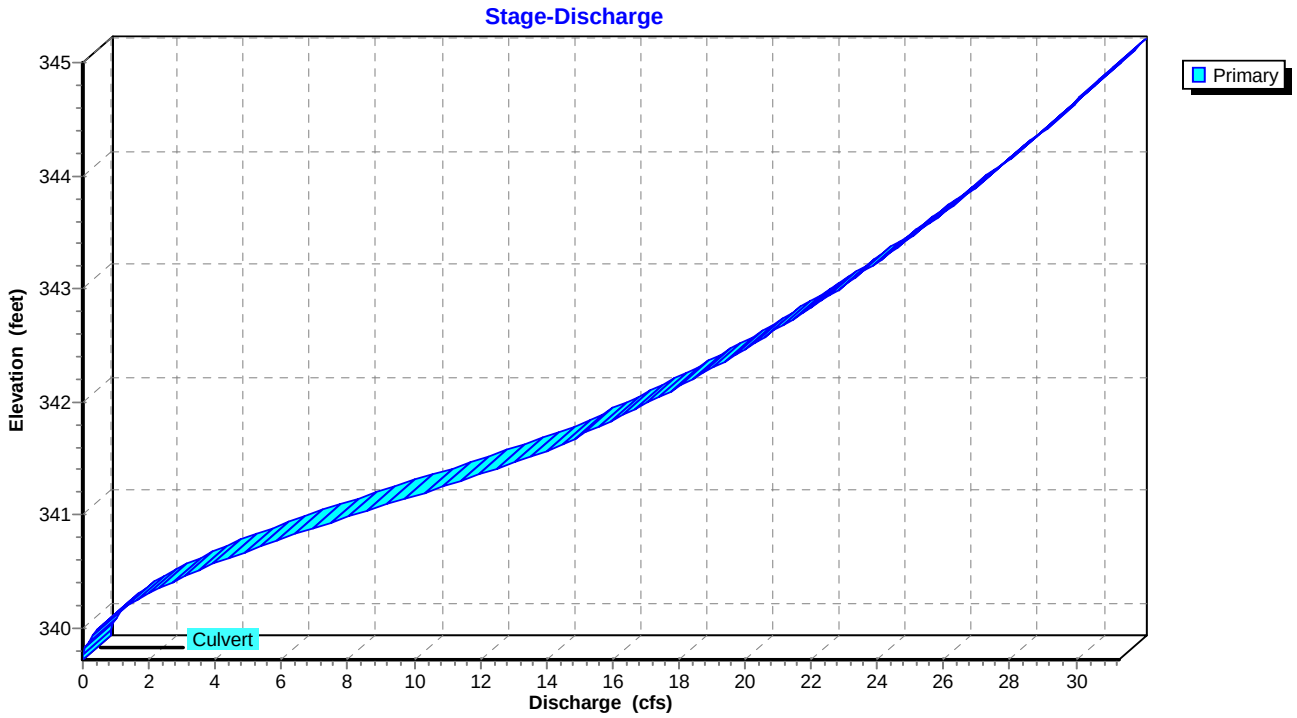
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.50 cfs @ 12.30 hrs HW=341.22' TW=335.99' (Dynamic Tailwater)
1=Culvert (Inlet Controls 10.50 cfs @ 4.17 fps)

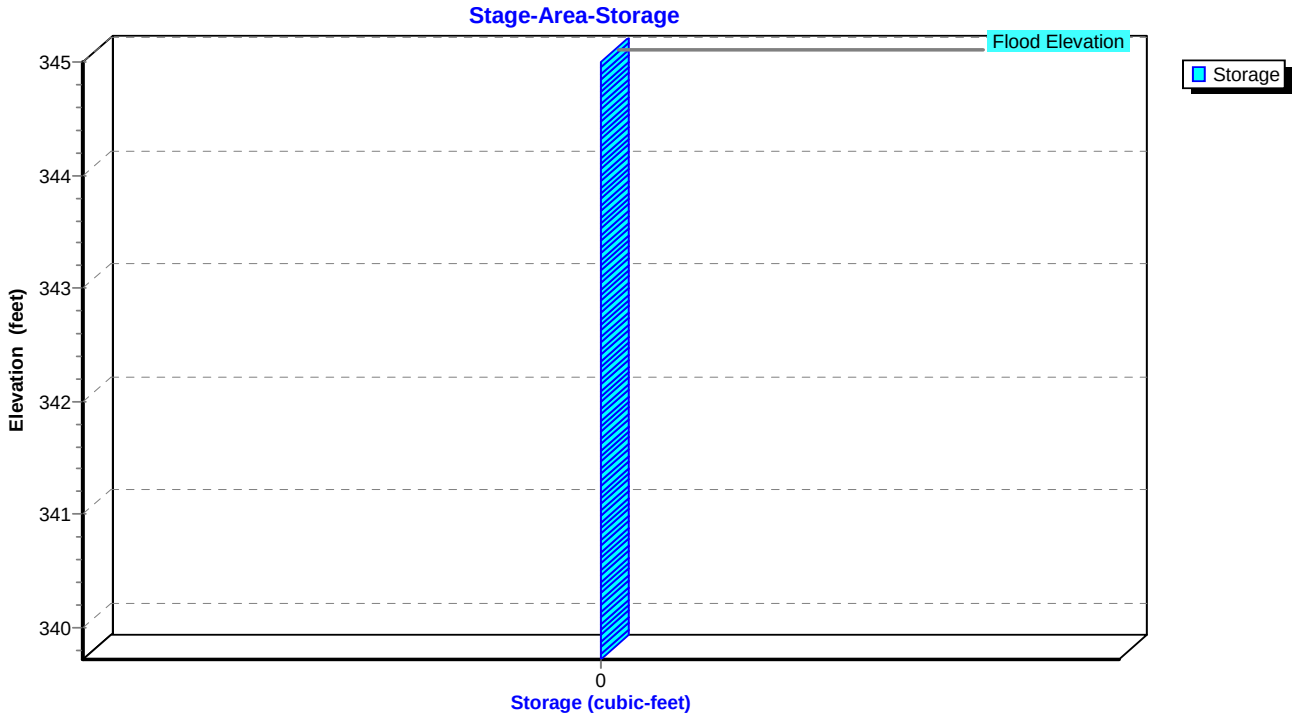
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.72	0.00
5.50	0.00	339.72	0.00
6.00	0.00	339.72	0.00
6.50	0.00	339.72	0.00
7.00	0.00	339.73	0.00
7.50	0.01	339.75	0.01
8.00	0.02	339.78	0.02
8.50	0.06	339.82	0.06
9.00	0.12	339.86	0.12
9.50	0.19	339.89	0.19
10.00	0.28	339.93	0.28
10.50	0.41	339.98	0.41
11.00	0.60	340.03	0.60
11.50	0.98	340.12	0.98
12.00	**3.84**	**340.55**	**3.84**
12.50	**8.02**	**340.99**	**8.02**
13.00	2.42	340.37	2.42
13.50	1.42	340.21	1.42
14.00	1.15	340.16	1.15
14.50	0.96	340.12	0.96
15.00	0.85	340.09	0.85
15.50	0.73	340.07	0.73
16.00	0.62	340.04	0.62
16.50	0.53	340.01	0.53
17.00	0.47	340.00	0.47
17.50	0.42	339.98	0.42
18.00	0.37	339.96	0.37
18.50	0.33	339.95	0.33
19.00	0.31	339.95	0.31
19.50	0.30	339.94	0.30
20.00	0.28	339.93	0.28
20.50	0.27	339.93	0.27
21.00	0.26	339.92	0.26
21.50	0.25	339.92	0.25
22.00	0.24	339.91	0.24
22.50	0.22	339.91	0.22
23.00	0.21	339.90	0.21
23.50	0.20	339.90	0.20
24.00	0.19	339.89	0.19

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

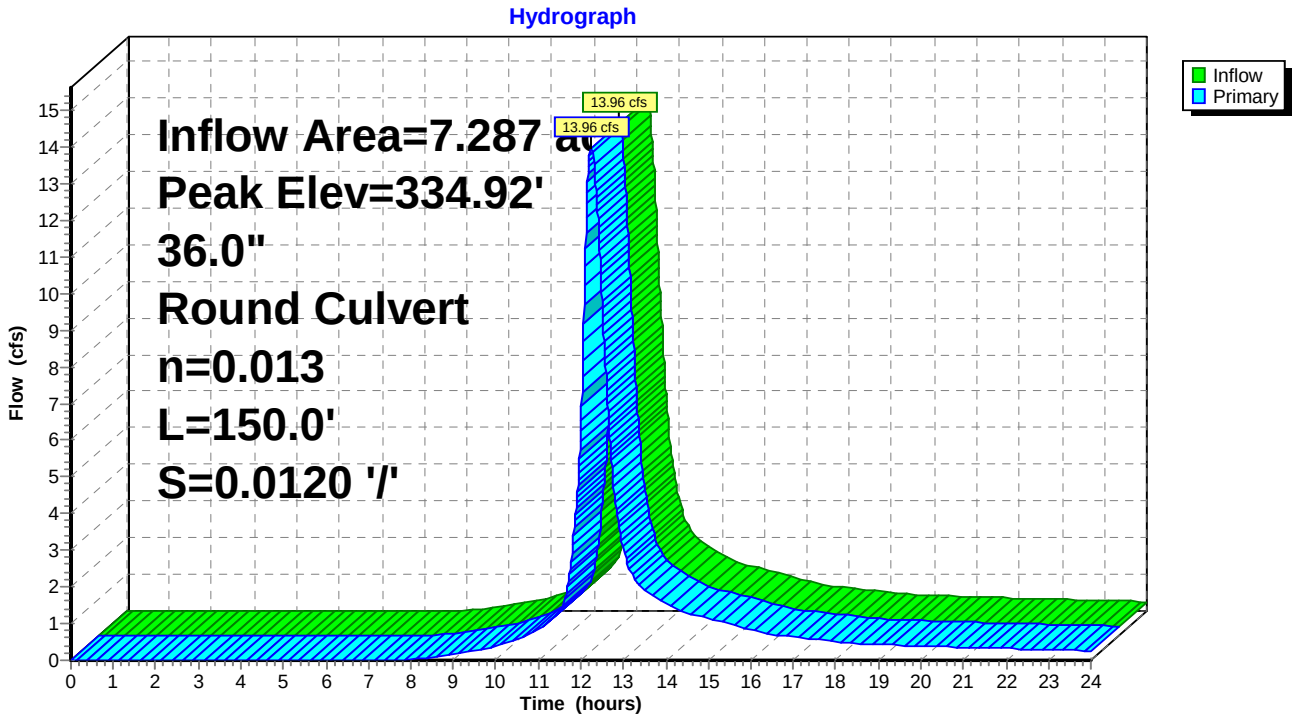
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.92' @ 12.25 hrs
Flood Elev= 337.75'

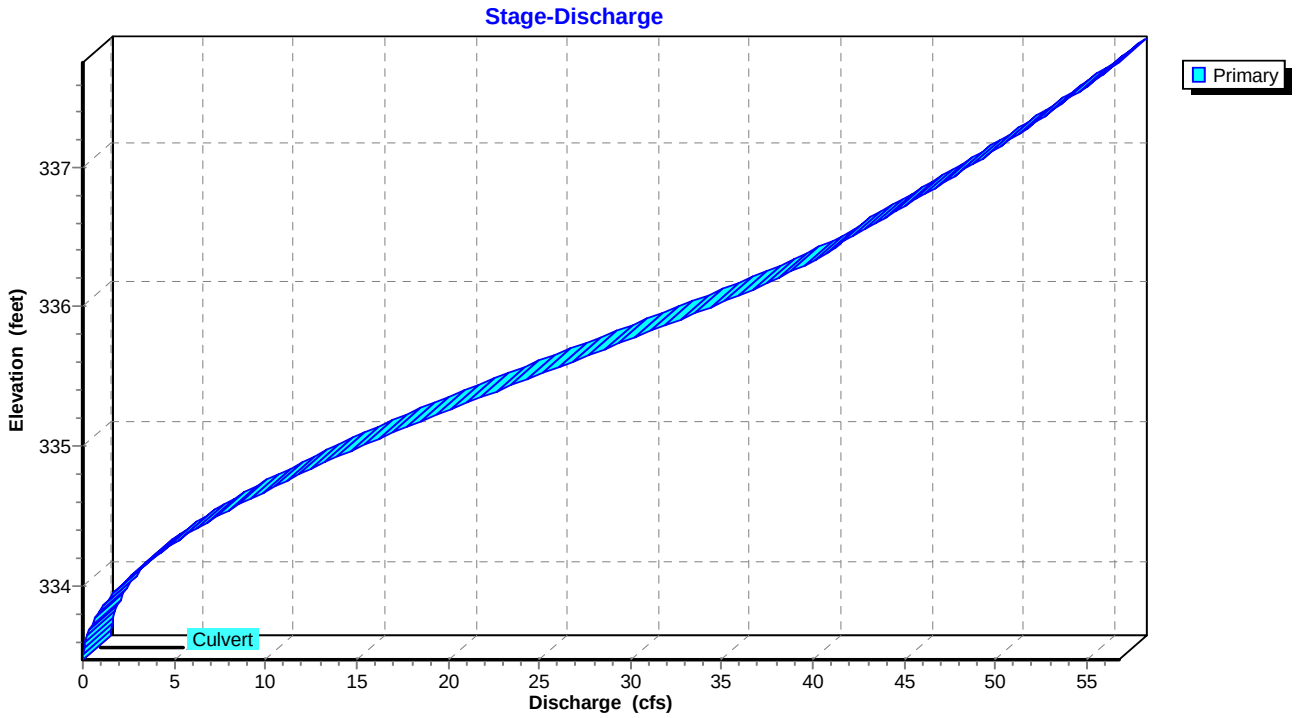
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=13.95 cfs @ 12.25 hrs HW=334.92' TW=331.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 13.95 cfs @ 4.11 fps)

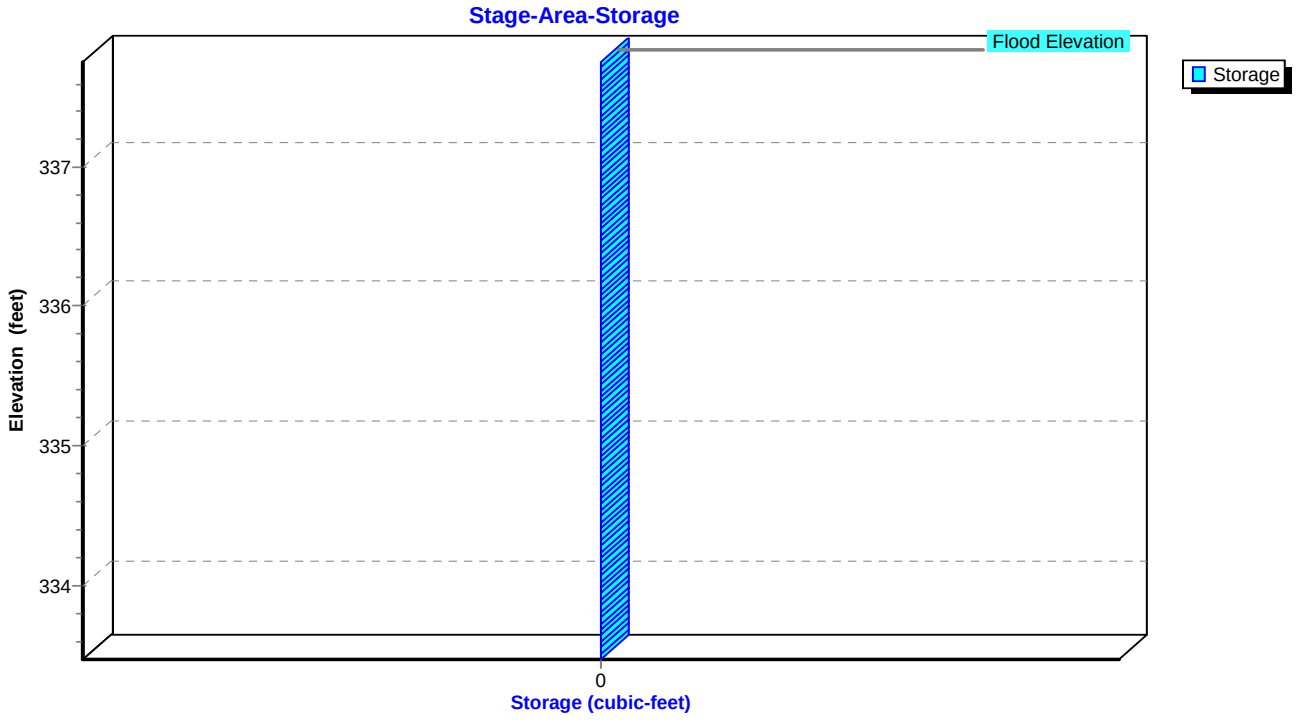
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.48	0.00
7.50	0.01	333.50	0.01
8.00	0.03	333.53	0.03
8.50	0.08	333.57	0.08
9.00	0.16	333.61	0.16
9.50	0.26	333.65	0.26
10.00	0.39	333.69	0.39
10.50	0.57	333.74	0.57
11.00	0.83	333.80	0.83
11.50	1.39	333.90	1.39
12.00	**6.26**	**334.41**	**6.26**
12.50	**9.81**	**334.67**	**9.81**
13.00	3.05	334.11	3.05
13.50	1.89	333.97	1.89
14.00	1.54	333.92	1.54
14.50	1.30	333.88	1.30
15.00	1.14	333.86	1.14
15.50	0.98	333.83	0.98
16.00	0.83	333.80	0.83
16.50	0.71	333.78	0.71
17.00	0.64	333.76	0.64
17.50	0.57	333.74	0.57
18.00	0.50	333.72	0.50
18.50	0.45	333.71	0.45
19.00	0.43	333.71	0.43
19.50	0.41	333.70	0.41
20.00	0.39	333.69	0.39
20.50	0.37	333.69	0.37
21.00	0.35	333.68	0.35
21.50	0.34	333.68	0.34
22.00	0.32	333.67	0.32
22.50	0.30	333.67	0.30
23.00	0.29	333.66	0.29
23.50	0.27	333.66	0.27
24.00	0.26	333.65	0.26

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

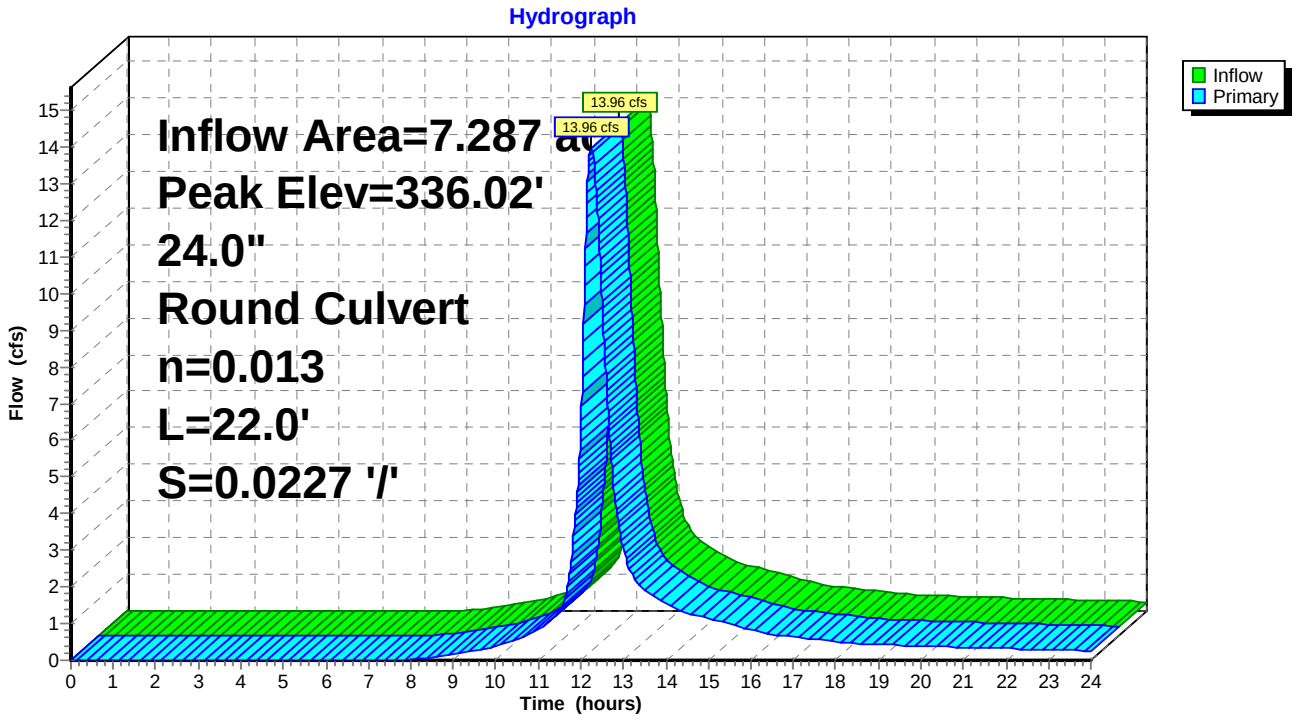
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 2.62" for 5-Year event
Inflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af
Outflow = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af, Atten= 0%, Lag= 0.0 min
Primary = 13.96 cfs @ 12.25 hrs, Volume= 1.593 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.02' @ 12.25 hrs
Flood Elev= 339.50'

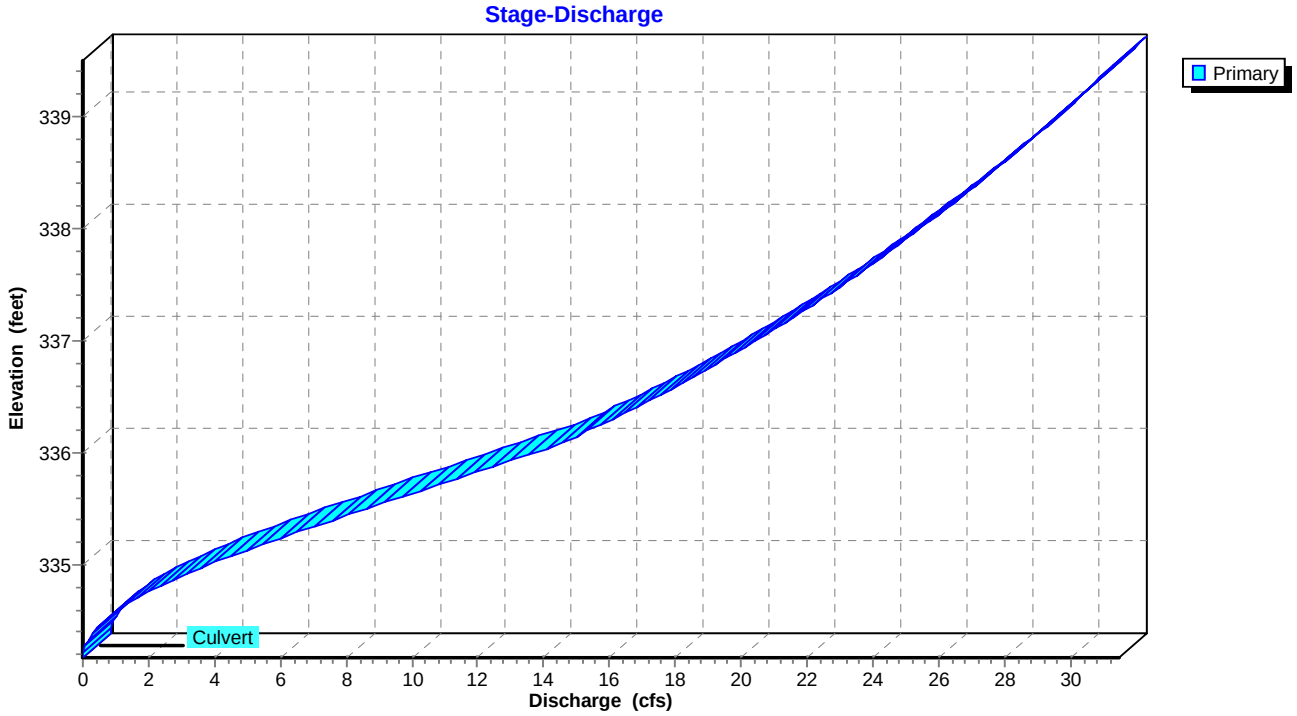
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=13.95 cfs @ 12.25 hrs HW=336.02' TW=334.92' (Dynamic Tailwater)
└**1=Culvert** (Barrel Controls 13.95 cfs @ 6.00 fps)

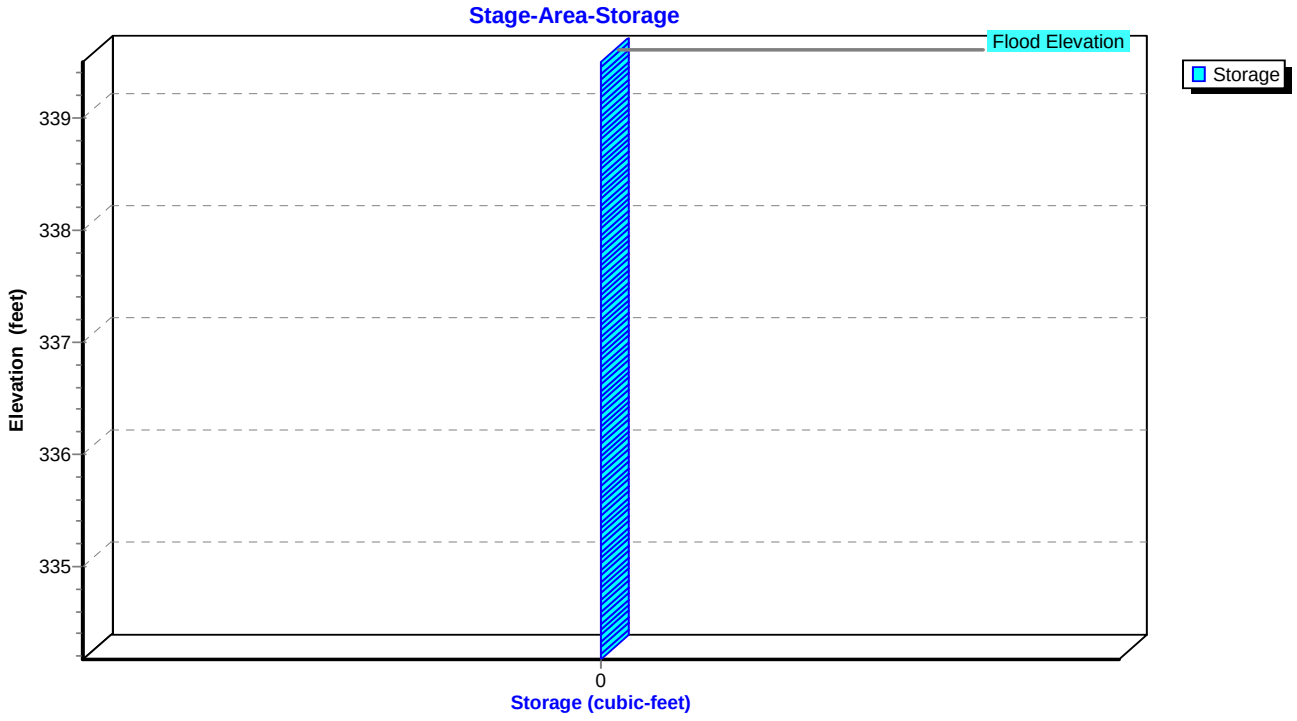
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.17	0.00
5.50	0.00	334.17	0.00
6.00	0.00	334.17	0.00
6.50	0.00	334.17	0.00
7.00	0.00	334.18	0.00
7.50	0.01	334.20	0.01
8.00	0.03	334.24	0.03
8.50	0.08	334.28	0.08
9.00	0.16	334.33	0.16
9.50	0.26	334.37	0.26
10.00	0.39	334.42	0.39
10.50	0.57	334.47	0.57
11.00	0.83	334.54	0.83
11.50	1.39	334.65	1.39
12.00	**6.26**	**335.26**	**6.26**
12.50	**9.81**	**335.62**	**9.81**
13.00	3.05	334.90	3.05
13.50	1.89	334.74	1.89
14.00	1.54	334.68	1.54
14.50	1.30	334.64	1.30
15.00	1.14	334.61	1.14
15.50	0.98	334.57	0.98
16.00	0.83	334.54	0.83
16.50	0.71	334.51	0.71
17.00	0.64	334.49	0.64
17.50	0.57	334.47	0.57
18.00	0.50	334.45	0.50
18.50	0.45	334.44	0.45
19.00	0.43	334.43	0.43
19.50	0.41	334.43	0.41
20.00	0.39	334.42	0.39
20.50	0.37	334.41	0.37
21.00	0.35	334.41	0.35
21.50	0.34	334.40	0.34
22.00	0.32	334.40	0.32
22.50	0.30	334.39	0.30
23.00	0.29	334.39	0.29
23.50	0.27	334.38	0.27
24.00	0.26	334.37	0.26

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

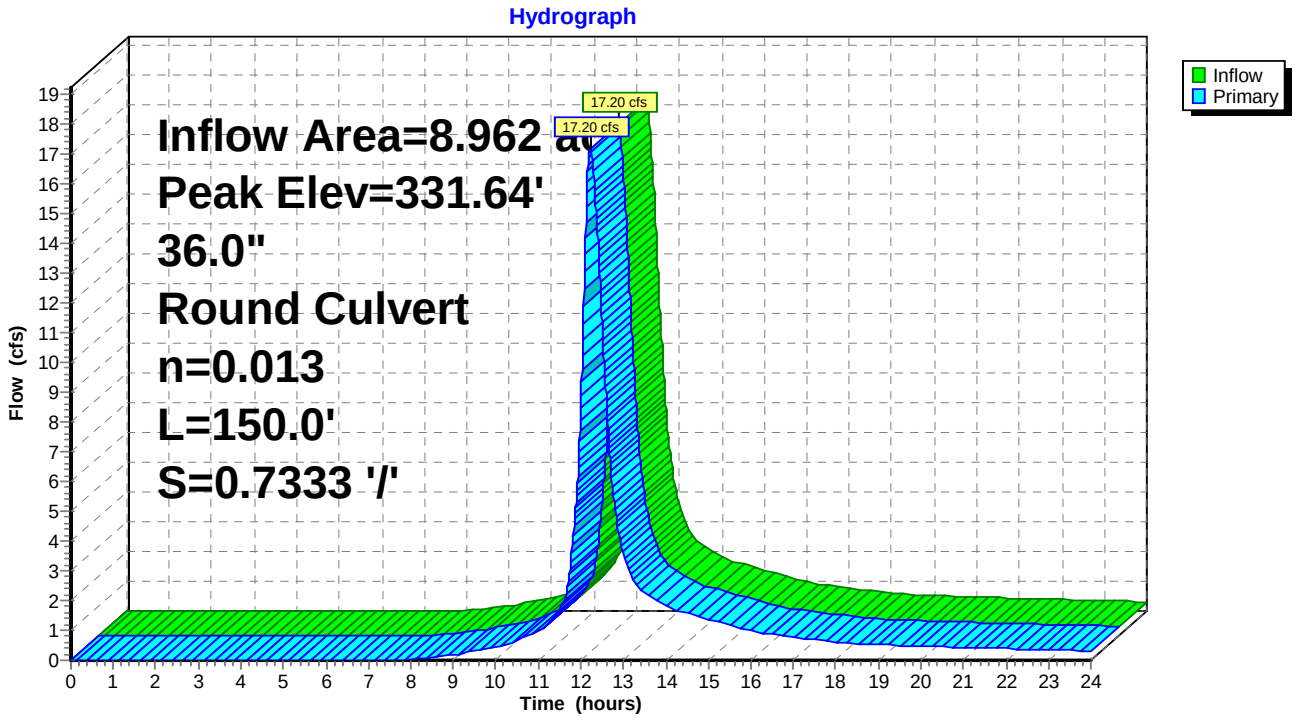
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 2.58" for 5-Year event
Inflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af
Outflow = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af, Atten= 0%, Lag= 0.0 min
Primary = 17.20 cfs @ 12.22 hrs, Volume= 1.924 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.64' @ 12.22 hrs
Flood Elev= 335.00'

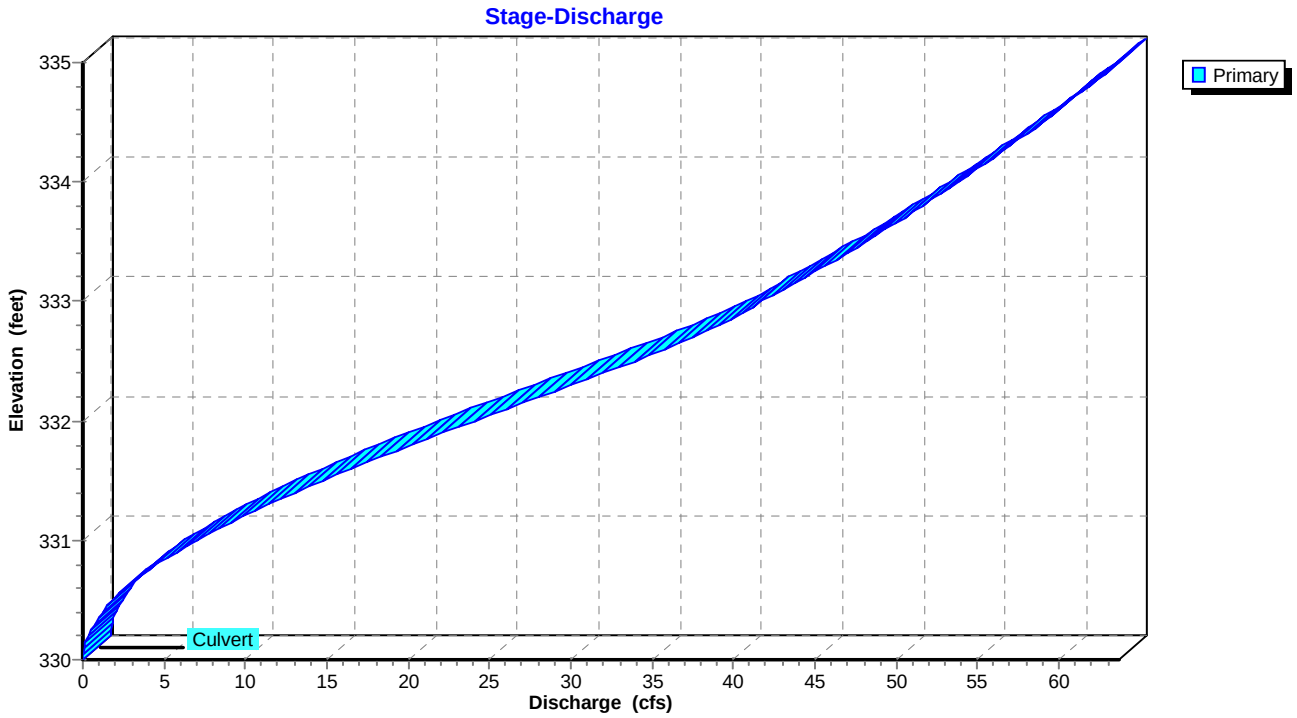
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.19 cfs @ 12.22 hrs HW=331.64' TW=0.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 17.19 cfs @ 4.36 fps)

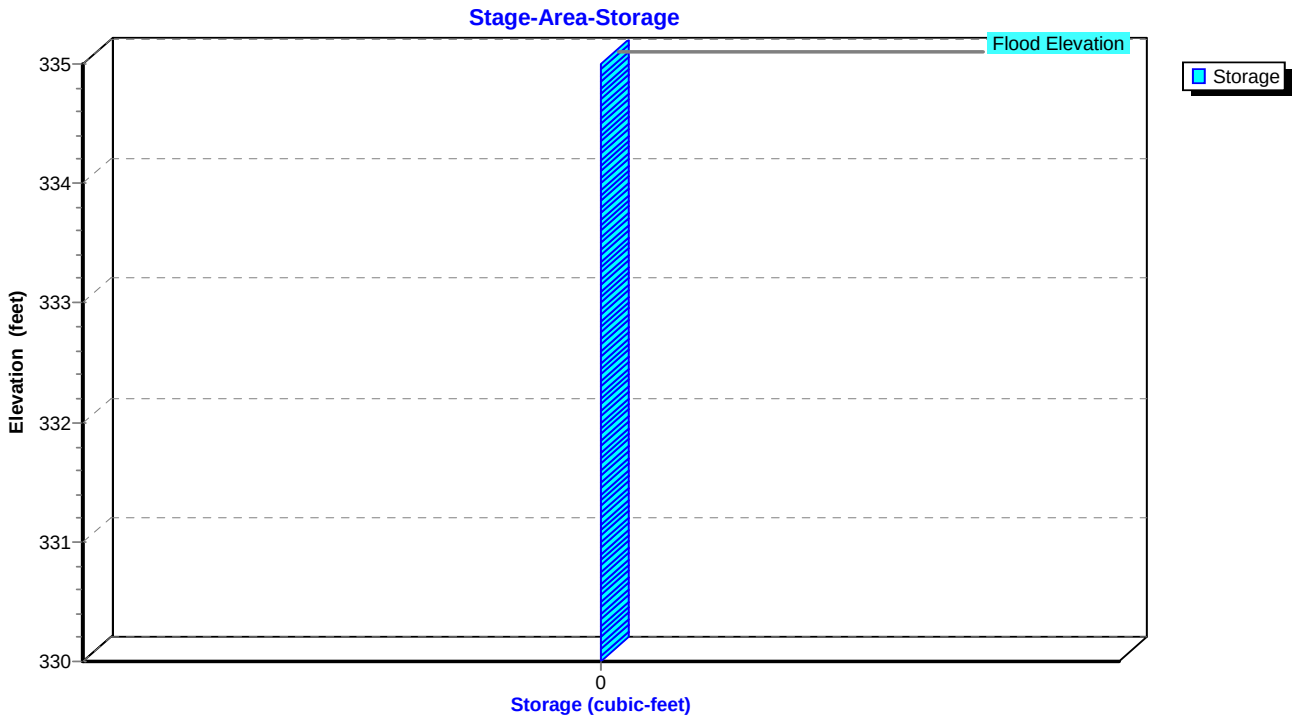
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.00	0.00
5.50	0.00	330.00	0.00
6.00	0.00	330.00	0.00
6.50	0.00	330.00	0.00
7.00	0.00	330.01	0.00
7.50	0.01	330.03	0.01
8.00	0.03	330.06	0.03
8.50	0.08	330.10	0.08
9.00	0.17	330.15	0.17
9.50	0.30	330.20	0.30
10.00	0.45	330.24	0.45
10.50	0.67	330.30	0.67
11.00	0.99	330.36	0.99
11.50	1.69	330.48	1.69
12.00	**8.47**	**331.11**	**8.47**
12.50	**11.34**	**331.30**	**11.34**
13.00	3.56	330.70	3.56
13.50	2.28	330.55	2.28
14.00	1.86	330.50	1.86
14.50	1.57	330.46	1.57
15.00	1.38	330.43	1.38
15.50	1.19	330.40	1.19
16.00	1.00	330.36	1.00
16.50	0.86	330.34	0.86
17.00	0.77	330.32	0.77
17.50	0.69	330.30	0.69
18.00	0.60	330.28	0.60
18.50	0.55	330.27	0.55
19.00	0.52	330.26	0.52
19.50	0.49	330.25	0.49
20.00	0.47	330.25	0.47
20.50	0.45	330.24	0.45
21.00	0.43	330.24	0.43
21.50	0.41	330.23	0.41
22.00	0.39	330.23	0.39
22.50	0.37	330.22	0.37
23.00	0.35	330.21	0.35
23.50	0.33	330.21	0.33
24.00	0.31	330.20	0.31

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

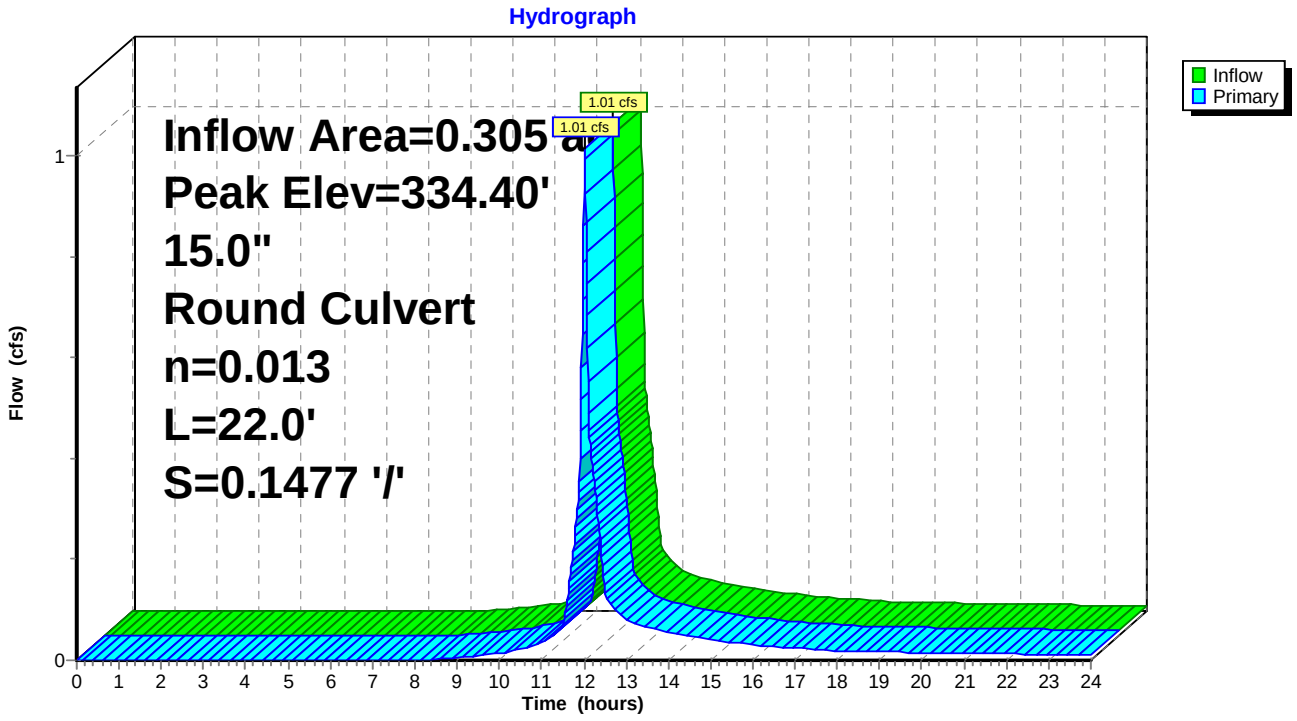
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.38" for 5-Year event
Inflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af
Outflow = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.02 hrs, Volume= 0.060 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.40' @ 12.02 hrs
Flood Elev= 336.50'

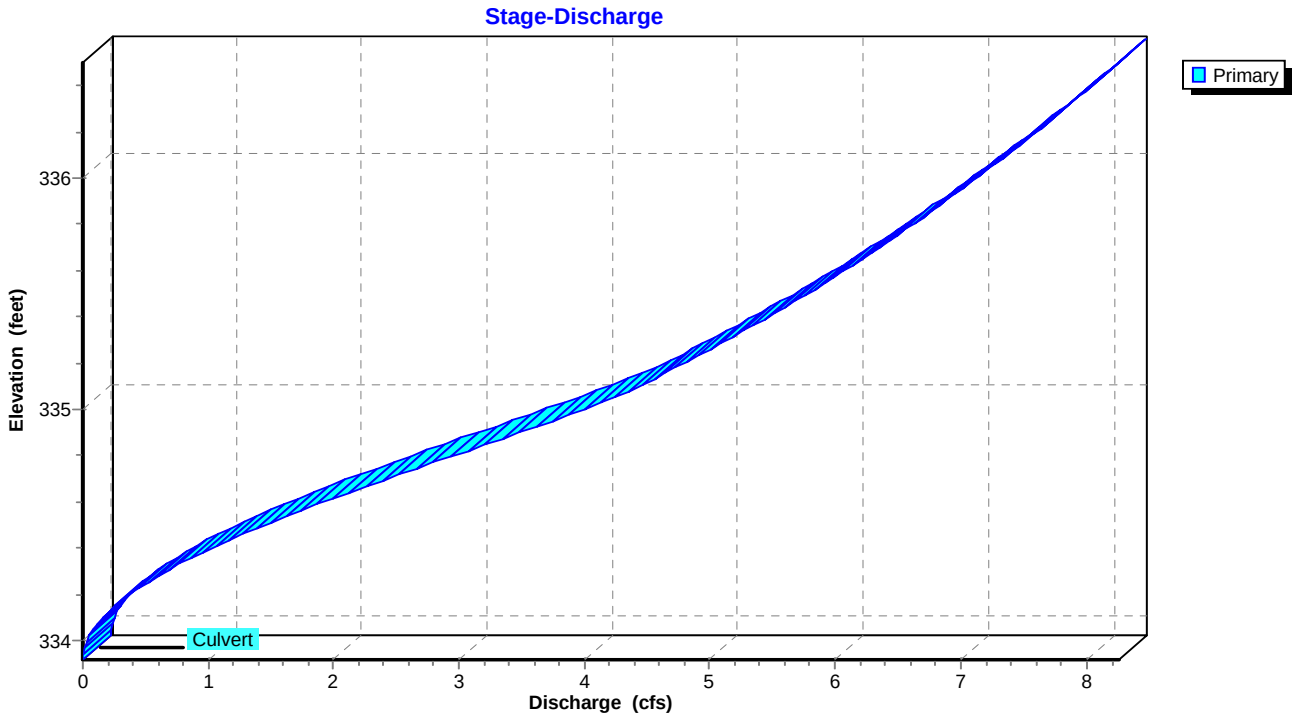
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.01 cfs @ 12.02 hrs HW=334.40' TW=331.16' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.01 cfs @ 2.35 fps)

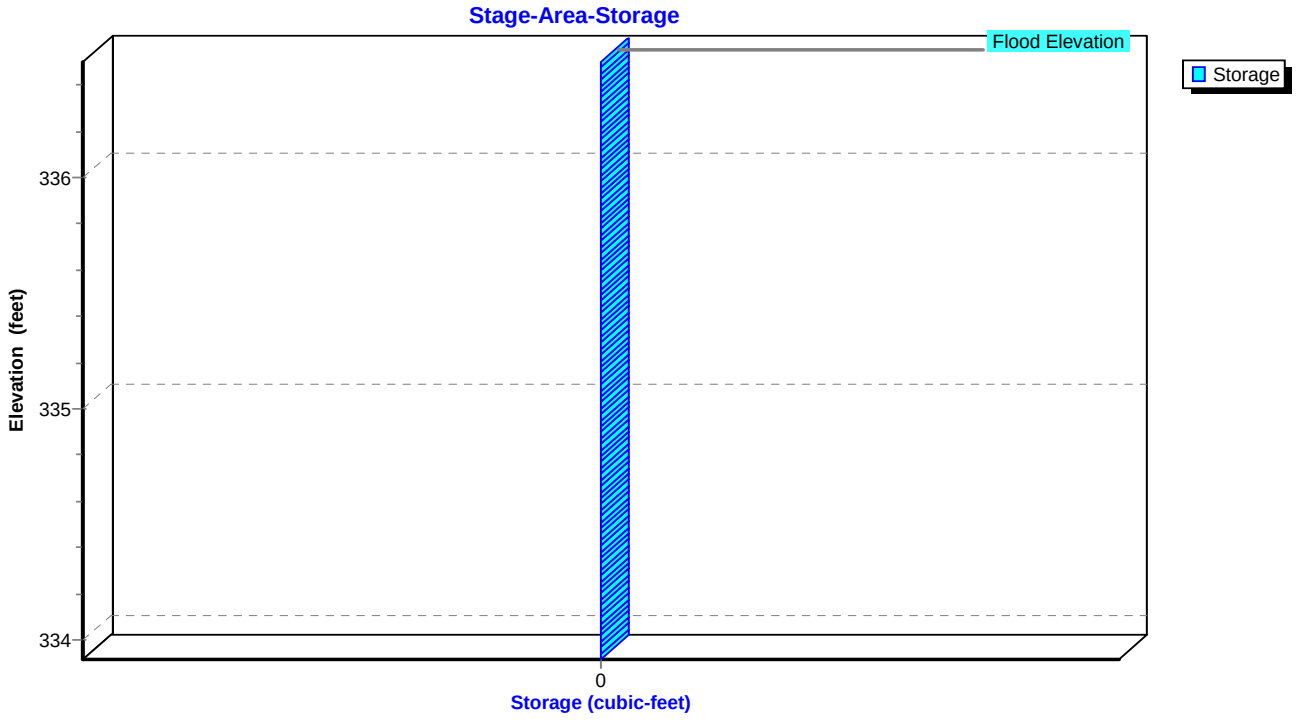
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.92	0.00
8.50	0.00	333.94	0.00
9.00	0.00	333.95	0.00
9.50	0.01	333.96	0.01
10.00	0.01	333.97	0.01
10.50	0.02	333.99	0.02
11.00	0.03	334.00	0.03
11.50	0.07	334.04	0.07
12.00	**0.93**	**334.38**	**0.93**
12.50	**0.14**	**334.09**	**0.14**
13.00	0.08	334.05	0.08
13.50	0.07	334.04	0.07
14.00	0.05	334.02	0.05
14.50	0.05	334.02	0.05
15.00	0.04	334.01	0.04
15.50	0.04	334.00	0.04
16.00	0.03	334.00	0.03
16.50	0.03	333.99	0.03
17.00	0.02	333.99	0.02
17.50	0.02	333.98	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.98	0.02
19.50	0.02	333.98	0.02
20.00	0.01	333.97	0.01
20.50	0.01	333.97	0.01
21.00	0.01	333.97	0.01
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.97	0.01
24.00	0.01	333.96	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

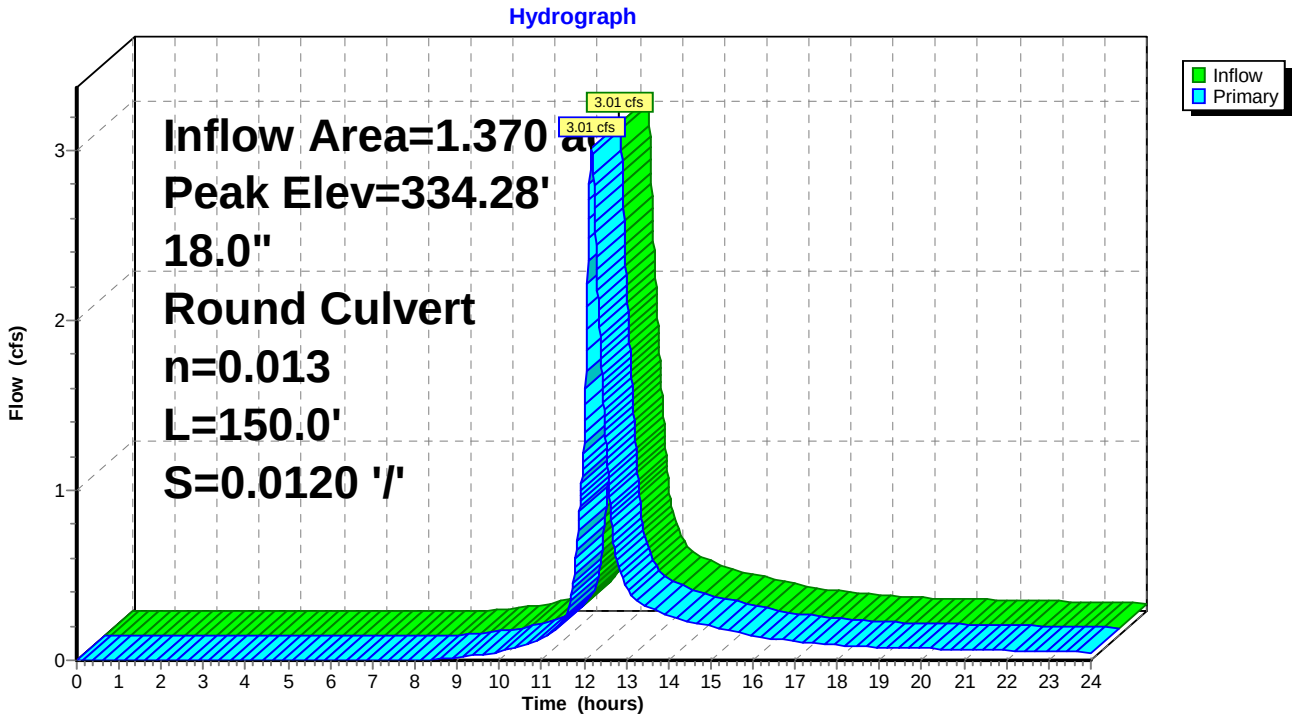
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af
Outflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.28' @ 12.19 hrs
Flood Elev= 337.00'

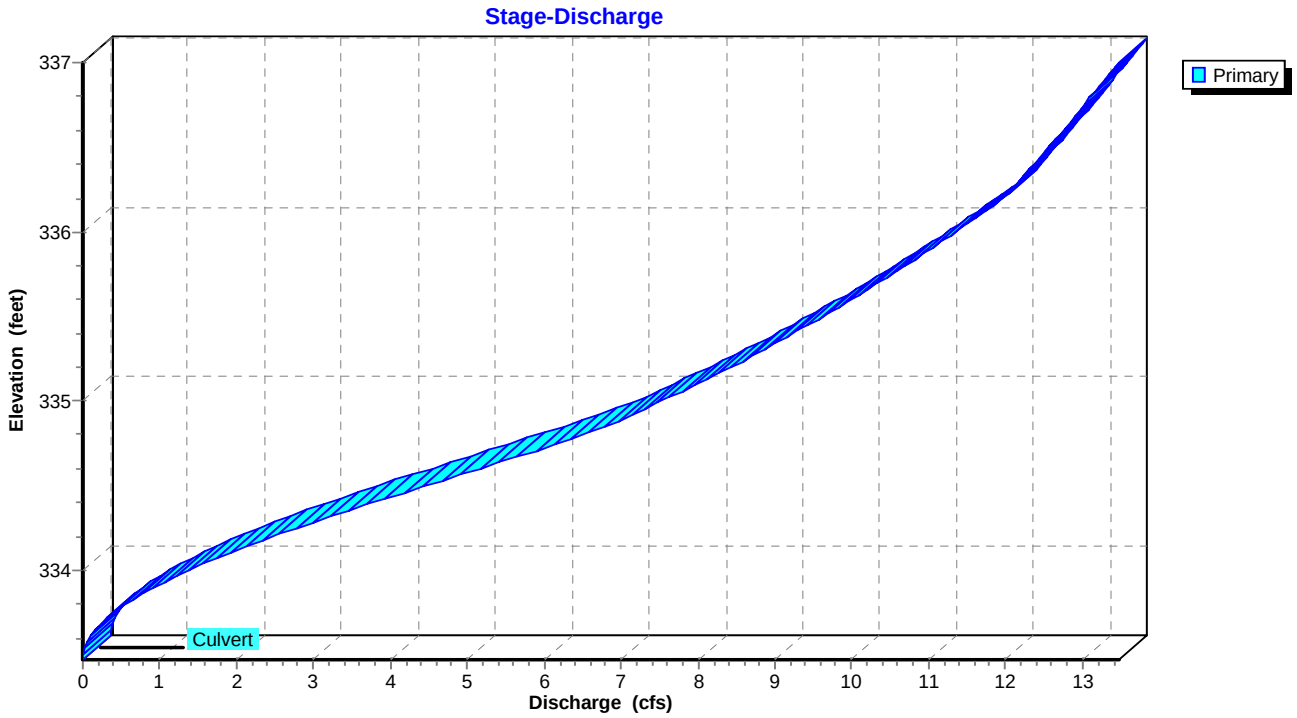
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.01 cfs @ 12.19 hrs HW=334.28' TW=331.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.01 cfs @ 3.07 fps)

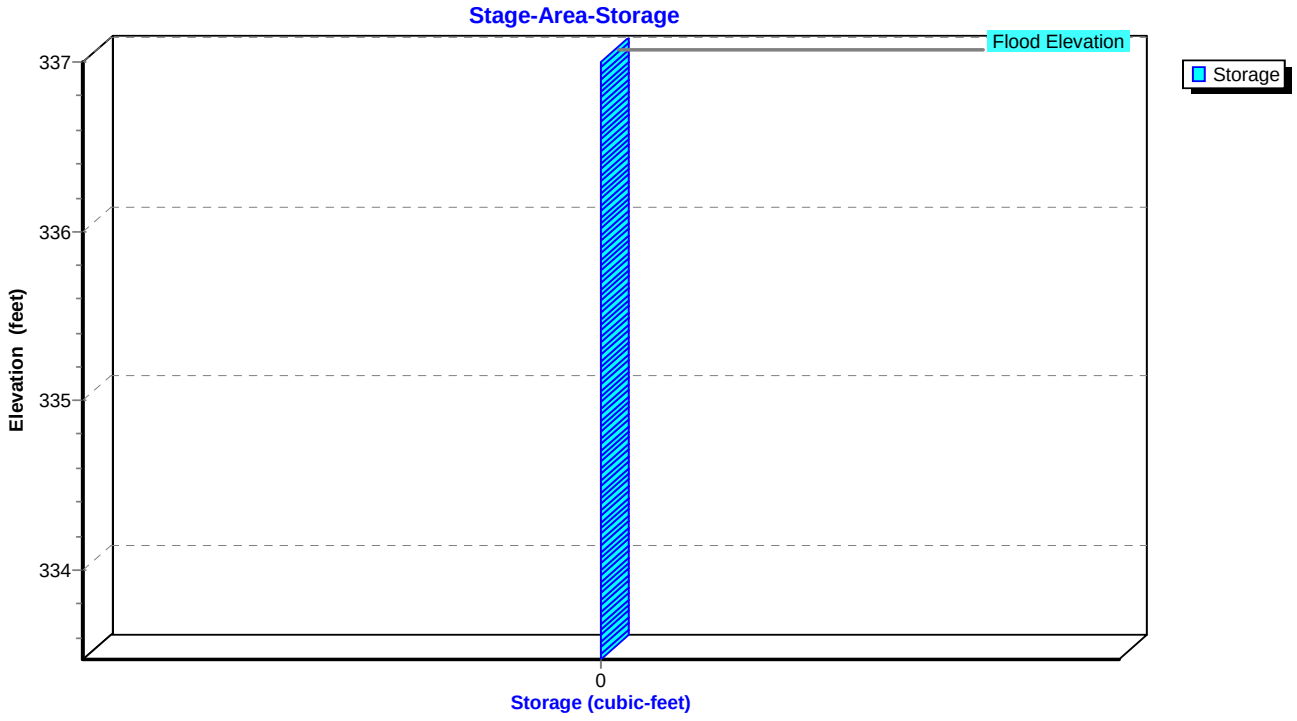
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.00	333.47	0.00
8.00	0.00	333.47	0.00
8.50	0.00	333.49	0.00
9.00	0.01	333.52	0.01
9.50	0.03	333.55	0.03
10.00	0.05	333.57	0.05
10.50	0.08	333.59	0.08
11.00	0.13	333.62	0.13
11.50	0.23	333.68	0.23
12.00	**1.28**	**333.98**	**1.28**
12.50	**1.39**	**334.00**	**1.39**
13.00	0.44	333.76	0.44
13.50	0.32	333.72	0.32
14.00	0.26	333.69	0.26
14.50	0.22	333.68	0.22
15.00	0.20	333.66	0.20
15.50	0.17	333.65	0.17
16.00	0.14	333.63	0.14
16.50	0.12	333.62	0.12
17.00	0.11	333.61	0.11
17.50	0.10	333.61	0.10
18.00	0.09	333.60	0.09
18.50	0.08	333.59	0.08
19.00	0.08	333.59	0.08
19.50	0.07	333.59	0.07
20.00	0.07	333.58	0.07
20.50	0.07	333.58	0.07
21.00	0.06	333.58	0.06
21.50	0.06	333.57	0.06
22.00	0.06	333.57	0.06
22.50	0.05	333.57	0.05
23.00	0.05	333.57	0.05
23.50	0.05	333.56	0.05
24.00	0.05	333.56	0.05

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)
333.47	**0**
333.52	0
333.57	0
333.62	0
333.67	0
333.72	0
333.77	0
333.82	0
333.87	0
333.92	0
333.97	0
334.02	0
334.07	0
334.12	0
334.17	0
334.22	0
334.27	0
334.32	0
334.37	0
334.42	0
334.47	0
334.52	0
334.57	0
334.62	0
334.67	0
334.72	0
334.77	0
334.82	0
334.87	0
334.92	0
334.97	0
335.02	0
335.07	0
335.12	0
335.17	0
335.22	0
335.27	0
335.32	0
335.37	0
335.42	0
335.47	0
335.52	0
335.57	0
335.62	0
335.67	0
335.72	0
335.77	0
335.82	0
335.87	0
335.92	0
335.97	0

Elevation (feet)	Storage (cubic-feet)
336.02	0
336.07	0
336.12	0
336.17	0
336.22	0
336.27	0
336.32	0
336.37	0
336.42	0
336.47	0
336.52	0
336.57	0
336.62	0
336.67	0
336.72	0
336.77	0
336.82	0
336.87	0
336.92	0
336.97	0

Summary for Pond CB6-1: CB1-1

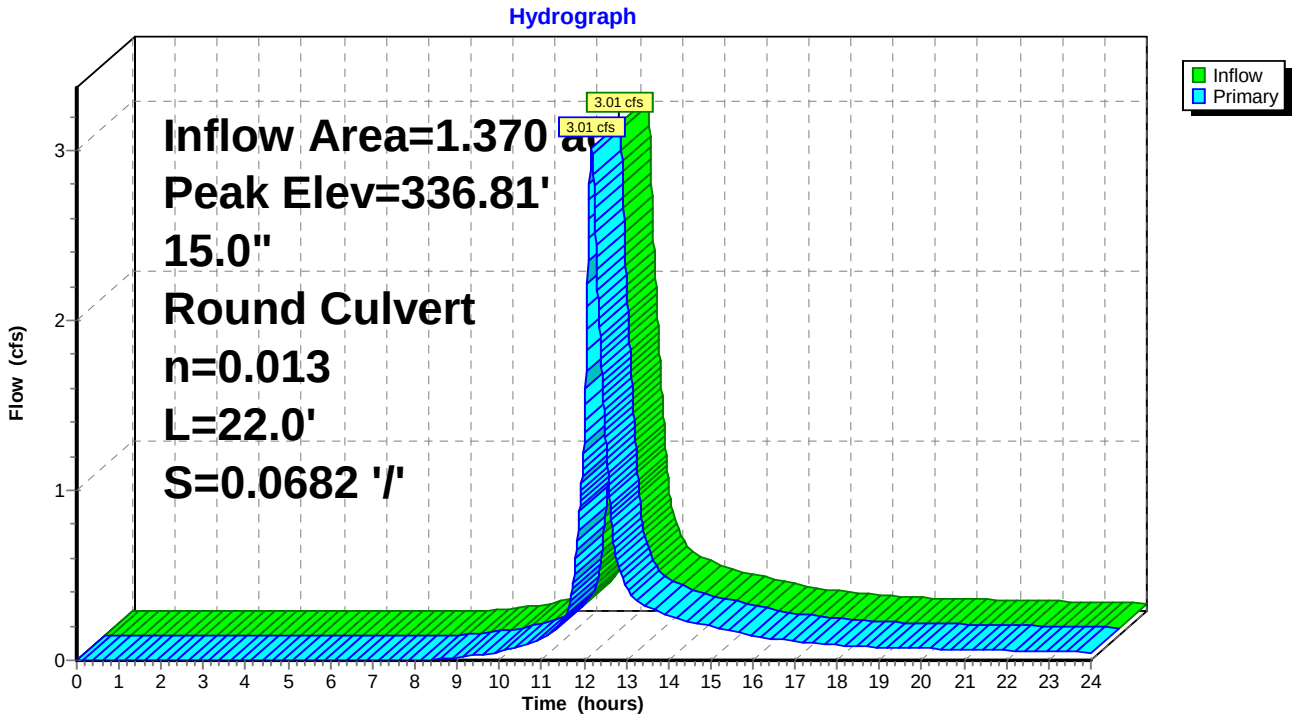
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af
Outflow = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.19 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.81' @ 12.19 hrs
Flood Elev= 338.50'

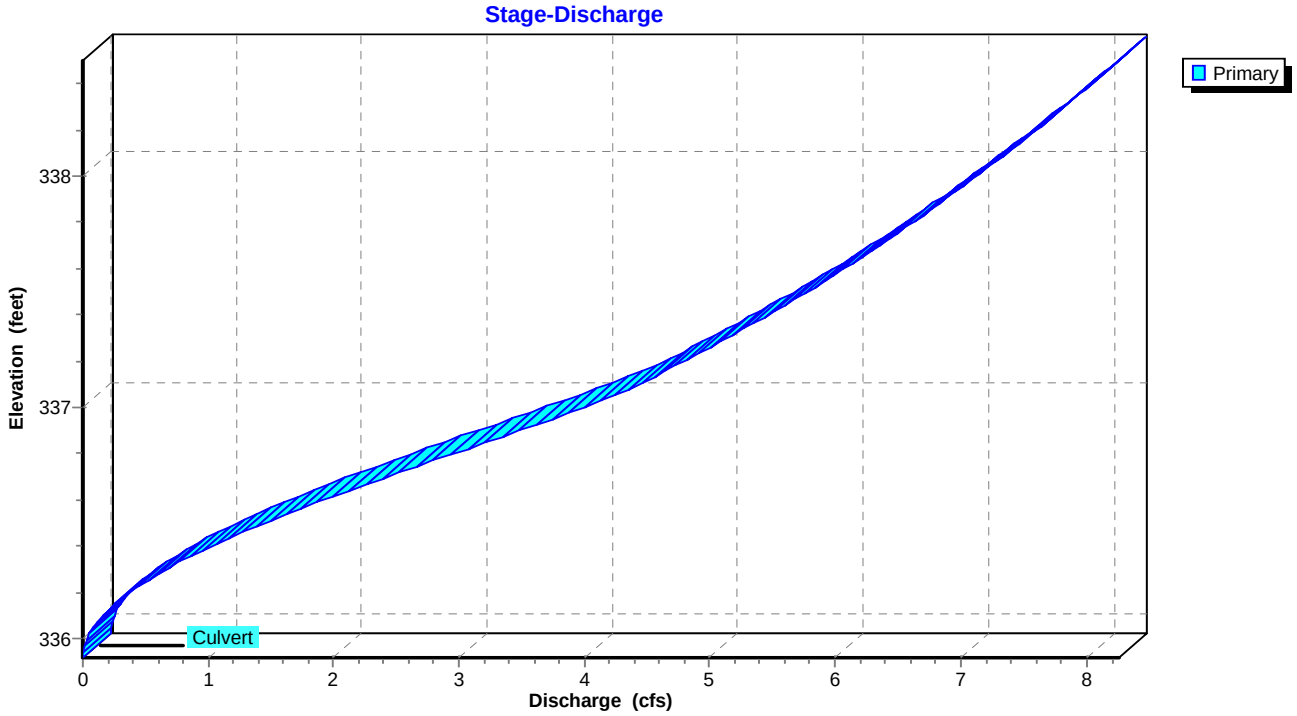
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.01 cfs @ 12.19 hrs HW=336.81' TW=334.28' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.01 cfs @ 3.21 fps)

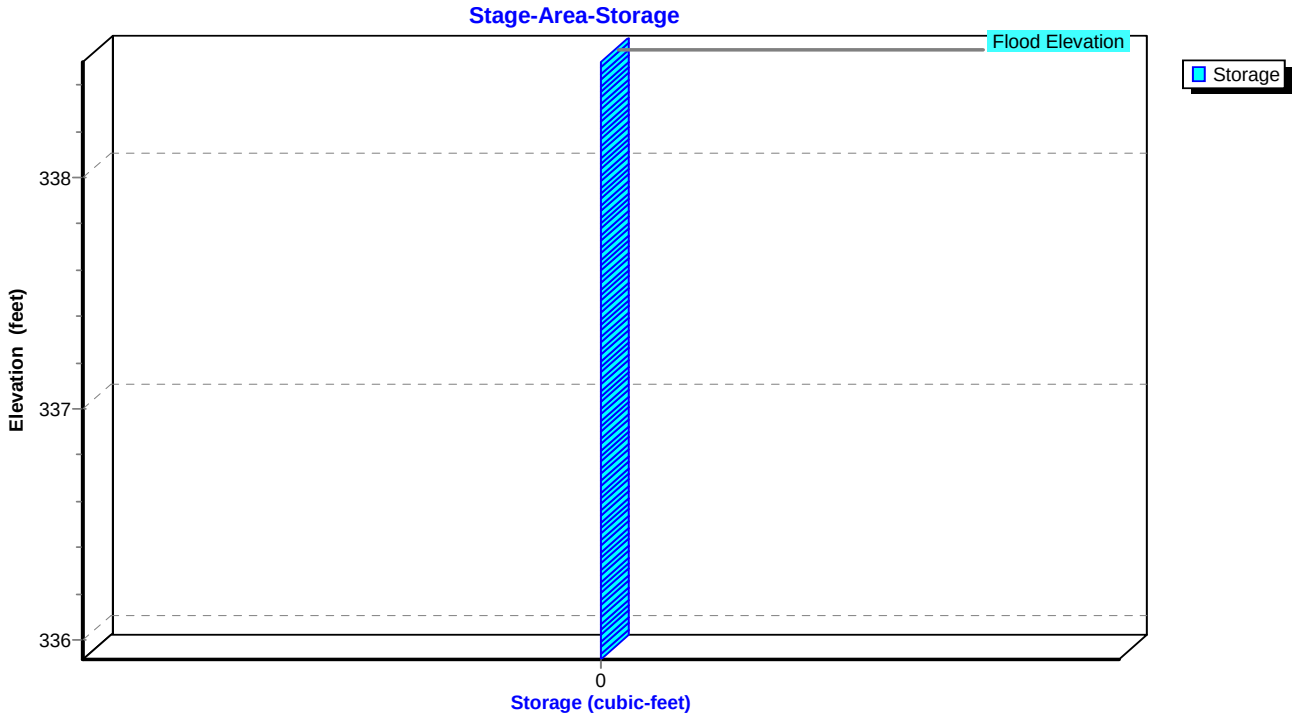
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.92	0.00
8.50	0.00	335.94	0.00
9.00	0.01	335.97	0.01
9.50	0.03	336.00	0.03
10.00	0.05	336.02	0.05
10.50	0.08	336.05	0.08
11.00	0.13	336.08	0.13
11.50	0.23	336.14	0.23
12.00	**1.28**	**336.46**	**1.28**
12.50	**1.39**	**336.49**	**1.39**
13.00	0.44	336.23	0.44
13.50	0.32	336.18	0.32
14.00	0.26	336.15	0.26
14.50	0.22	336.14	0.22
15.00	0.20	336.12	0.20
15.50	0.17	336.11	0.17
16.00	0.14	336.09	0.14
16.50	0.12	336.08	0.12
17.00	0.11	336.07	0.11
17.50	0.10	336.06	0.10
18.00	0.09	336.05	0.09
18.50	0.08	336.05	0.08
19.00	0.08	336.04	0.08
19.50	0.07	336.04	0.07
20.00	0.07	336.04	0.07
20.50	0.07	336.04	0.07
21.00	0.06	336.03	0.06
21.50	0.06	336.03	0.06
22.00	0.06	336.03	0.06
22.50	0.05	336.02	0.05
23.00	0.05	336.02	0.05
23.50	0.05	336.02	0.05
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

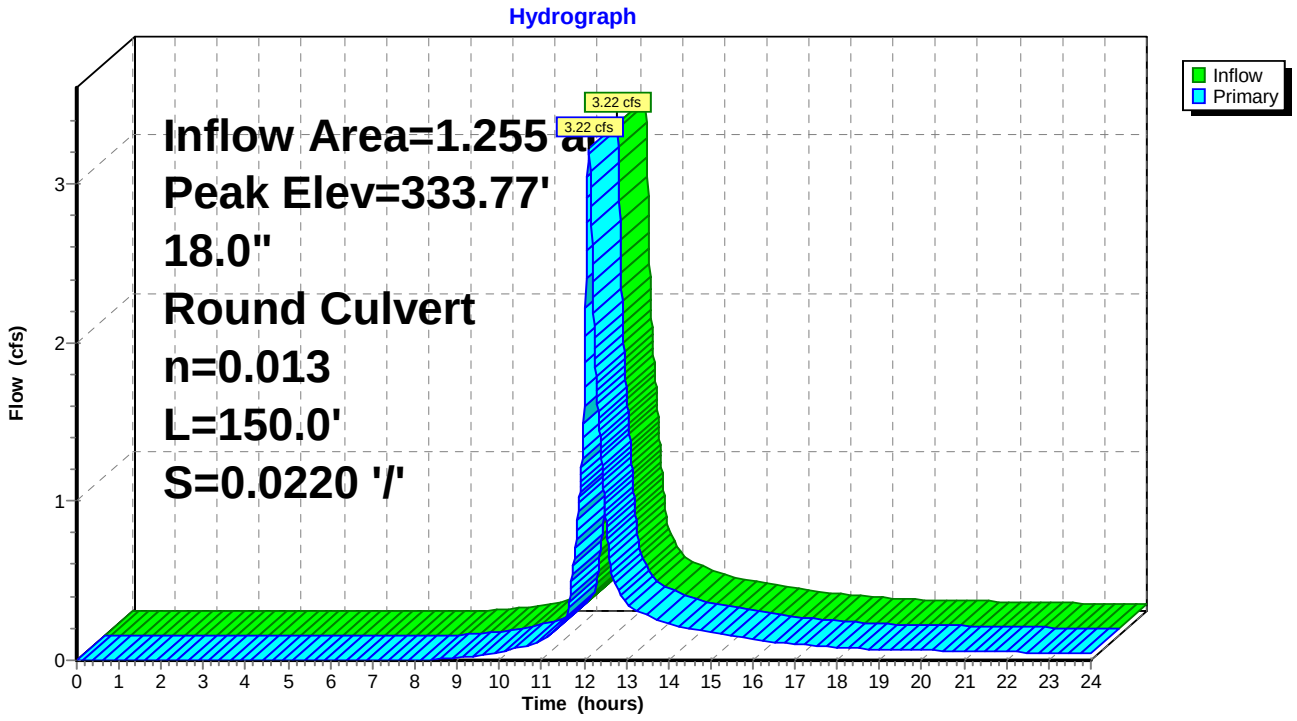
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af
Outflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min
Primary = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.77' @ 12.12 hrs
Flood Elev= 335.75'

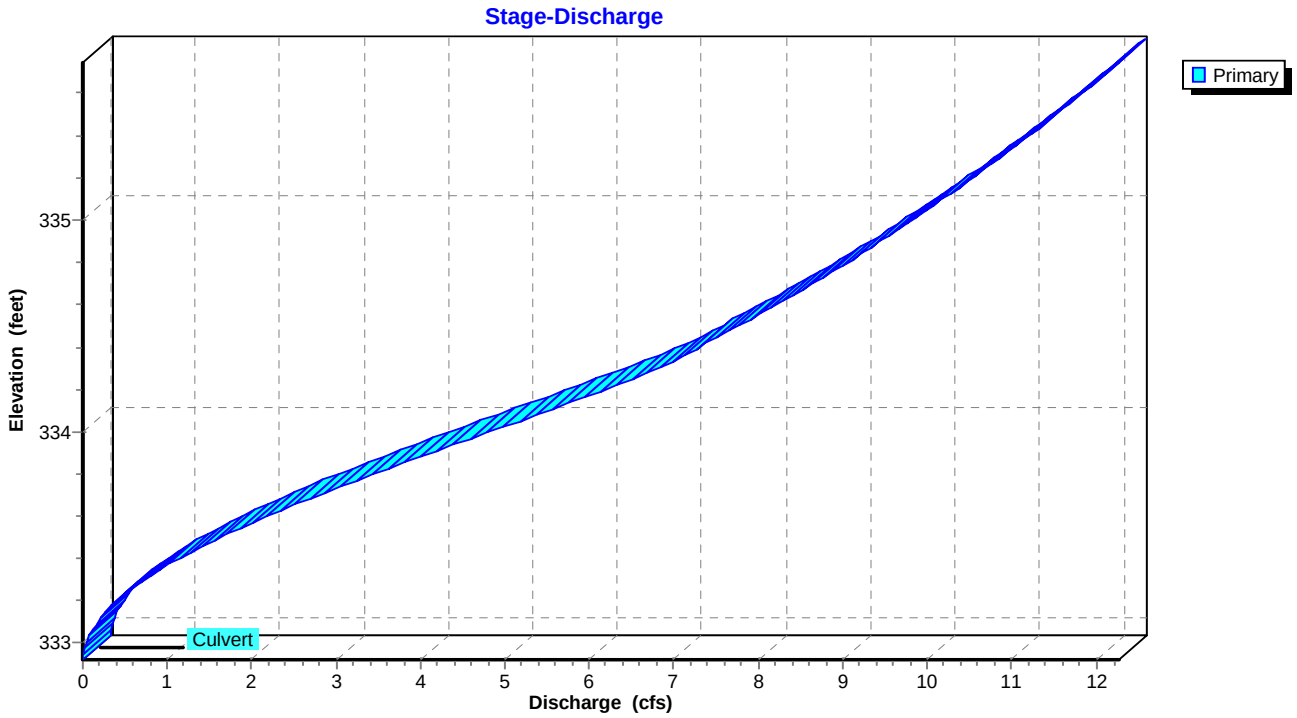
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.22 cfs @ 12.12 hrs HW=333.77' TW=330.39' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.22 cfs @ 3.13 fps)

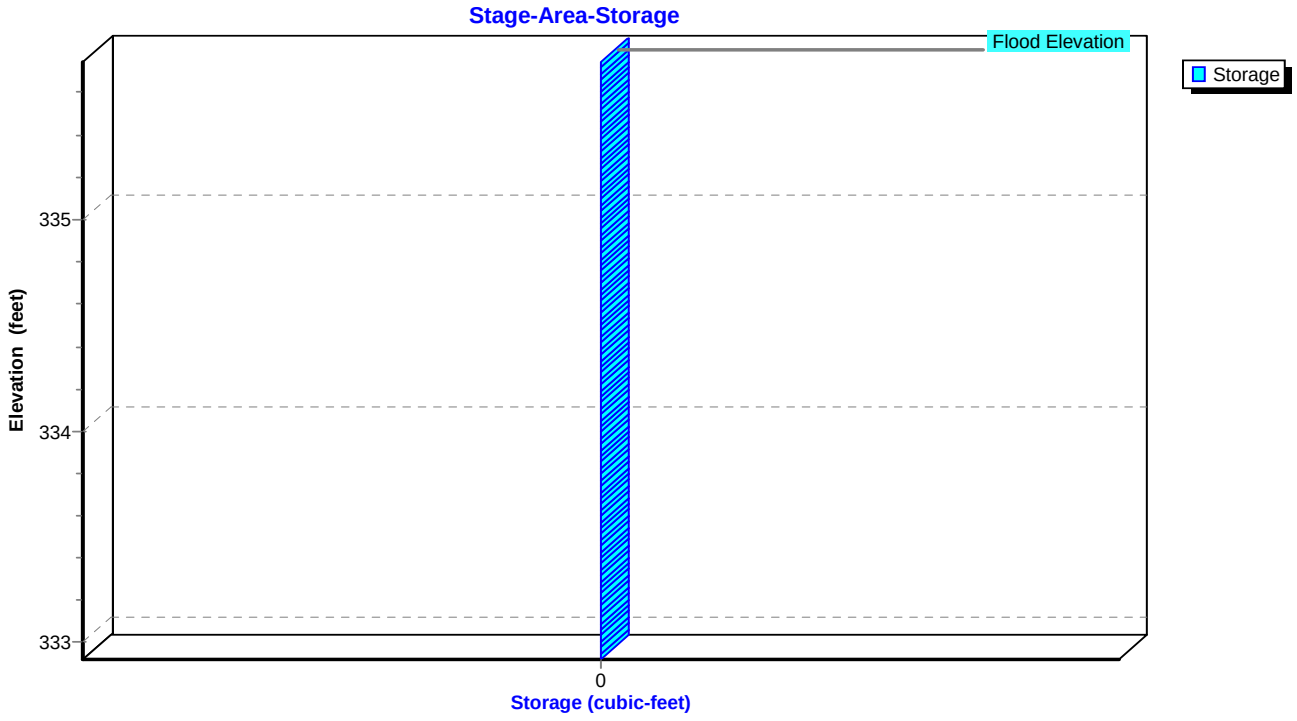
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.00	332.92	0.00
7.00	0.00	332.92	0.00
7.50	0.00	332.92	0.00
8.00	0.00	332.92	0.00
8.50	0.00	332.95	0.00
9.00	0.02	332.97	0.02
9.50	0.03	332.99	0.03
10.00	0.05	333.02	0.05
10.50	0.08	333.04	0.08
11.00	0.13	333.07	0.13
11.50	0.24	333.13	0.24
12.00	**1.60**	**333.49**	**1.60**
12.50	**0.98**	**333.36**	**0.98**
13.00	0.37	333.18	0.37
13.50	0.28	333.15	0.28
14.00	0.23	333.13	0.23
14.50	0.20	333.11	0.20
15.00	0.18	333.10	0.18
15.50	0.15	333.09	0.15
16.00	0.13	333.07	0.13
16.50	0.11	333.06	0.11
17.00	0.10	333.06	0.10
17.50	0.09	333.05	0.09
18.00	0.08	333.04	0.08
18.50	0.07	333.04	0.07
19.00	0.07	333.03	0.07
19.50	0.07	333.03	0.07
20.00	0.06	333.03	0.06
20.50	0.06	333.02	0.06
21.00	0.06	333.02	0.06
21.50	0.05	333.02	0.05
22.00	0.05	333.02	0.05
22.50	0.05	333.01	0.05
23.00	0.05	333.01	0.05
23.50	0.04	333.01	0.04
24.00	0.04	333.01	0.04

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

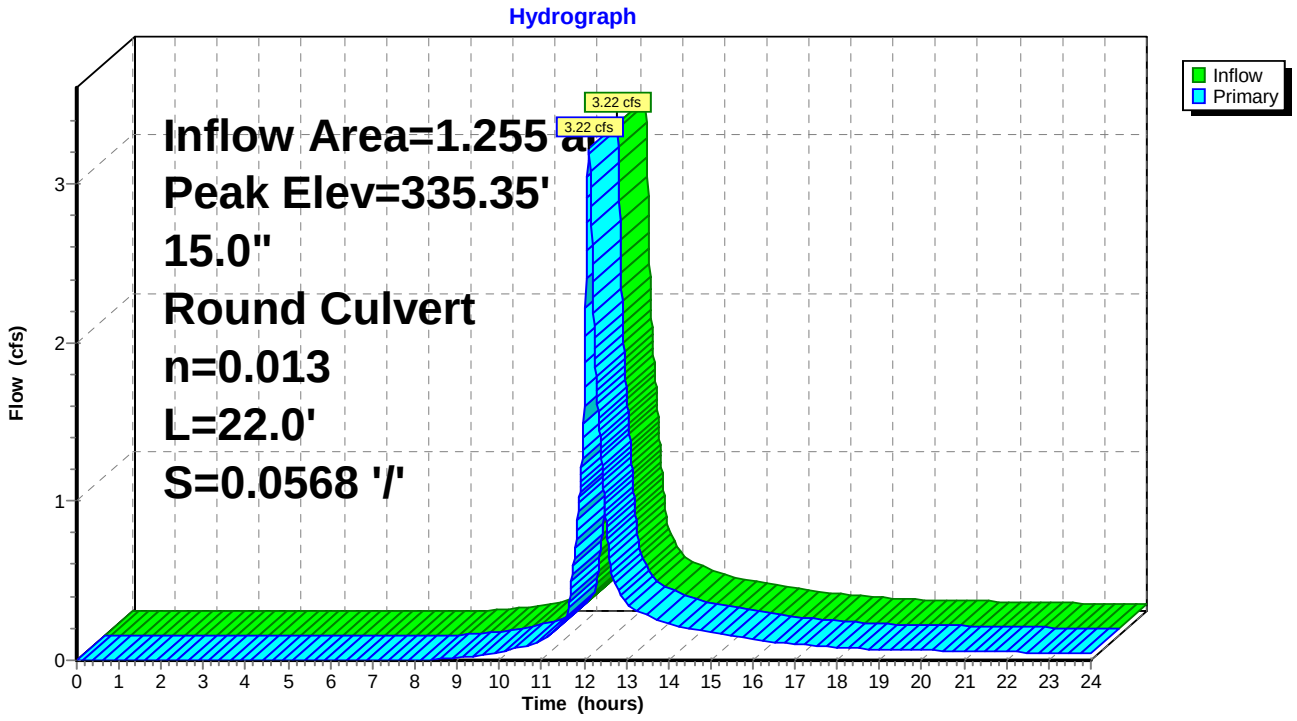
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.37" for 5-Year event
Inflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af
Outflow = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af, Atten= 0%, Lag= 0.0 min
Primary = 3.22 cfs @ 12.12 hrs, Volume= 0.248 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.35' @ 12.12 hrs
Flood Elev= 337.00'

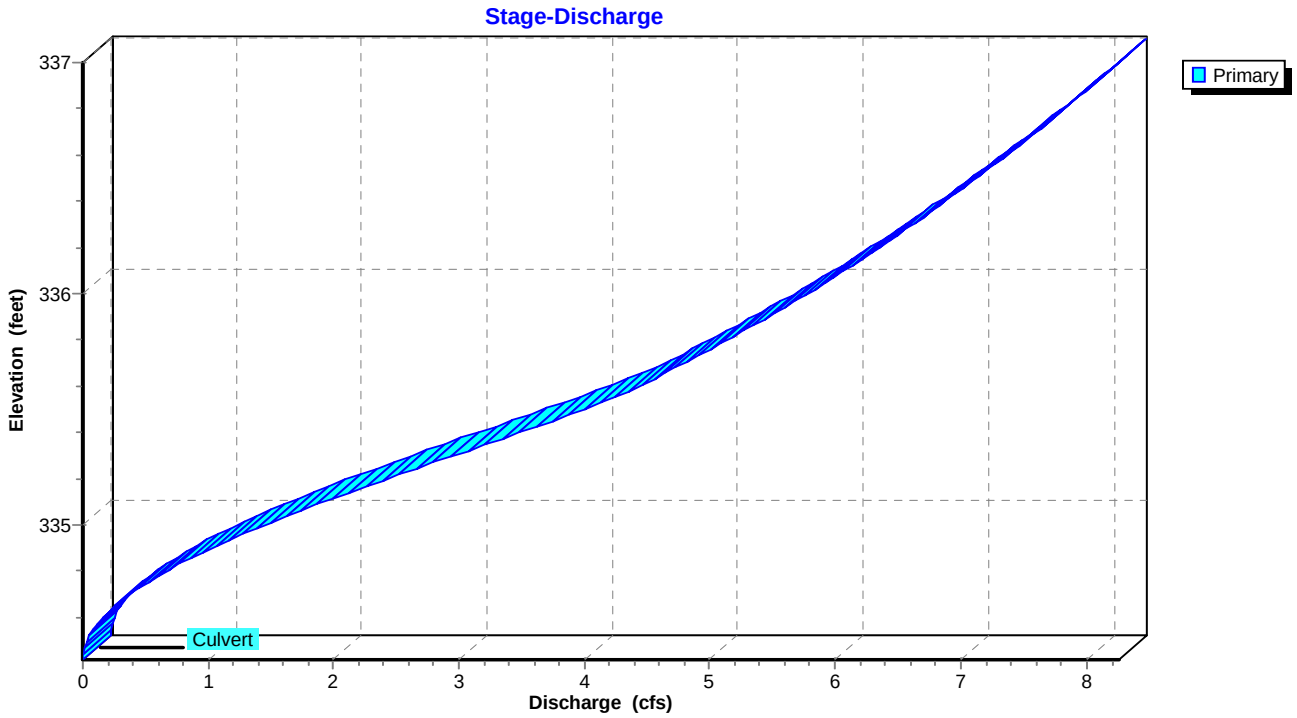
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.22 cfs @ 12.12 hrs HW=335.35' TW=333.77' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.22 cfs @ 3.28 fps)

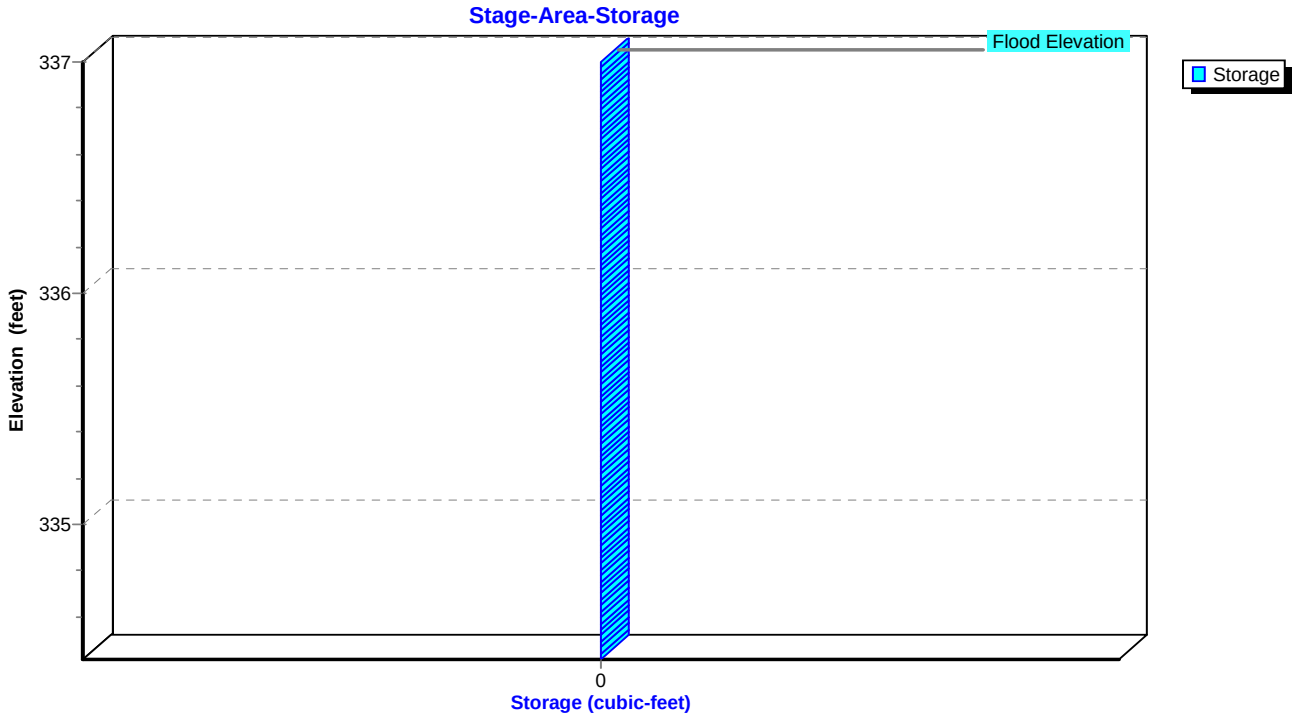
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.42	0.00
8.50	0.00	334.45	0.00
9.00	0.02	334.47	0.02
9.50	0.03	334.50	0.03
10.00	0.05	334.52	0.05
10.50	0.08	334.55	0.08
11.00	0.13	334.58	0.13
11.50	0.24	334.64	0.24
12.00	**1.60**	**335.03**	**1.60**
12.50	**0.98**	**334.89**	**0.98**
13.00	0.37	334.70	0.37
13.50	0.28	334.66	0.28
14.00	0.23	334.64	0.23
14.50	0.20	334.62	0.20
15.00	0.18	334.61	0.18
15.50	0.15	334.60	0.15
16.00	0.13	334.58	0.13
16.50	0.11	334.57	0.11
17.00	0.10	334.56	0.10
17.50	0.09	334.55	0.09
18.00	0.08	334.55	0.08
18.50	0.07	334.54	0.07
19.00	0.07	334.54	0.07
19.50	0.07	334.54	0.07
20.00	0.06	334.53	0.06
20.50	0.06	334.53	0.06
21.00	0.06	334.53	0.06
21.50	0.05	334.52	0.05
22.00	0.05	334.52	0.05
22.50	0.05	334.52	0.05
23.00	0.05	334.52	0.05
23.50	0.04	334.51	0.04
24.00	0.04	334.51	0.04

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

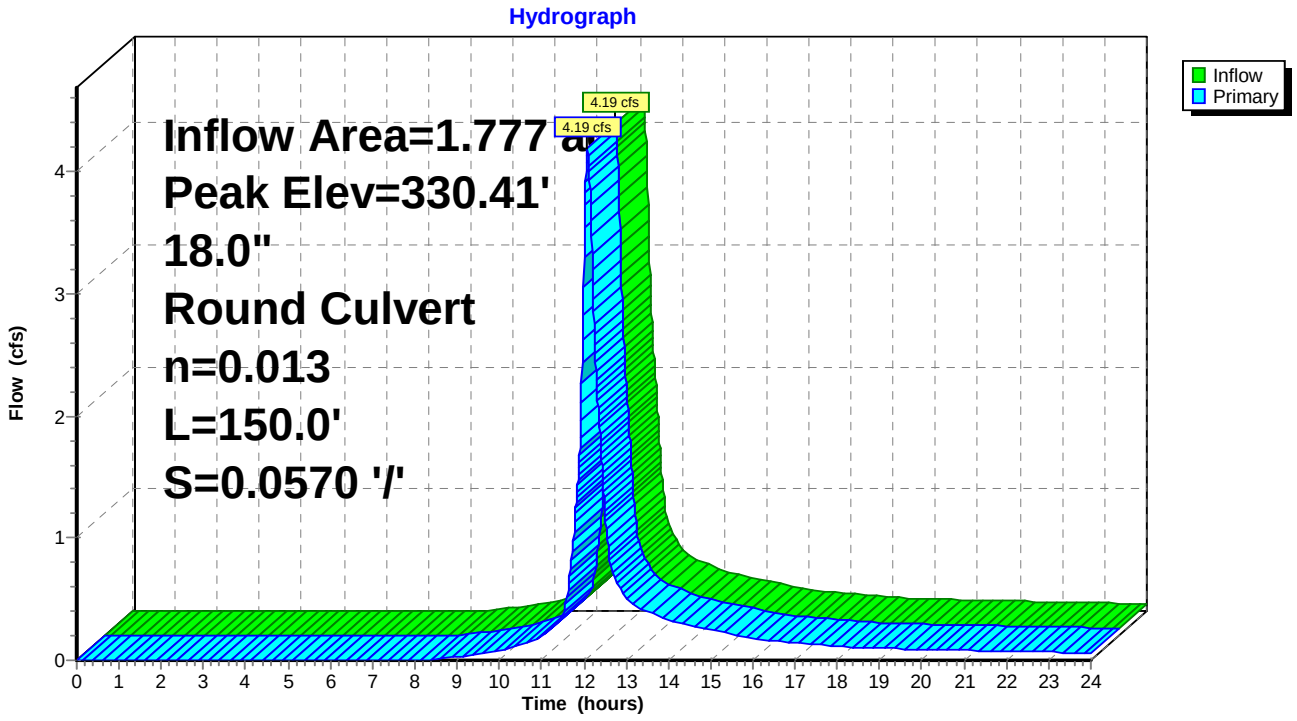
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 2.42" for 5-Year event
Inflow = 4.19 cfs @ 12.09 hrs, Volume= 0.359 af
Outflow = 4.19 cfs @ 12.09 hrs, Volume= 0.359 af, Atten= 0%, Lag= 0.0 min
Primary = 4.19 cfs @ 12.09 hrs, Volume= 0.359 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.41' @ 12.09 hrs
Flood Elev= 332.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

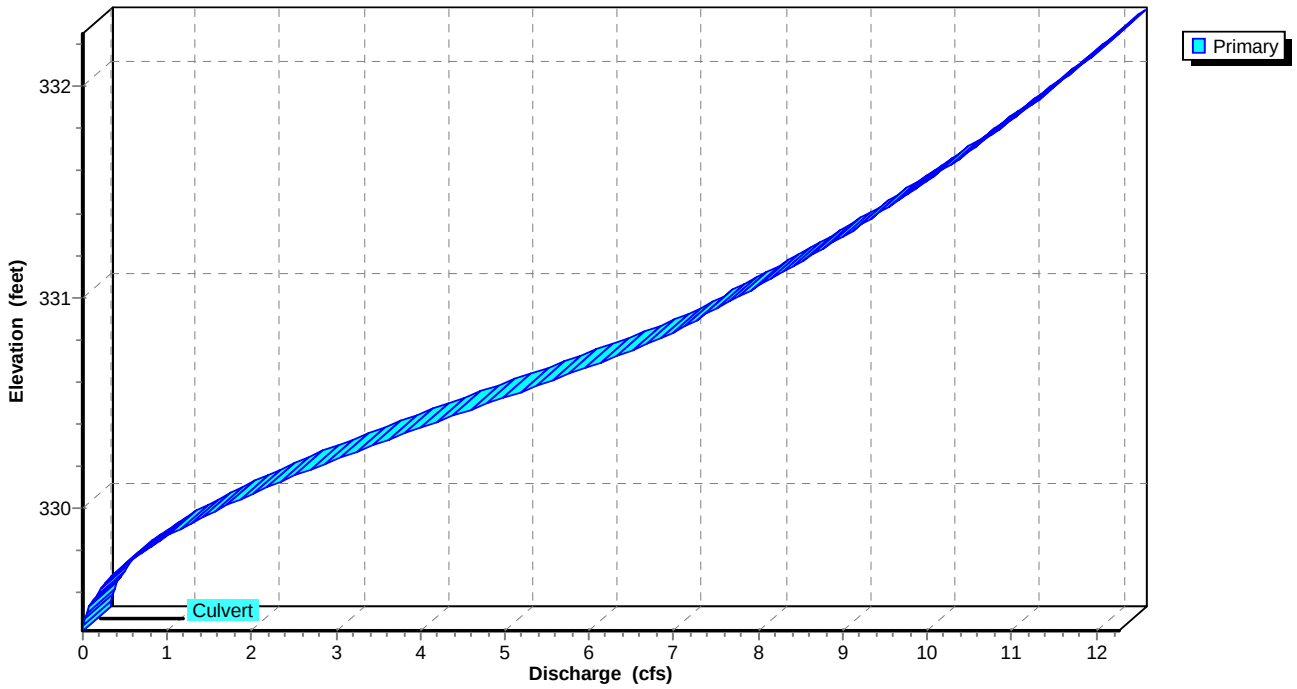
Primary OutFlow Max=4.18 cfs @ 12.09 hrs HW=330.41' TW=321.80' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.18 cfs @ 3.39 fps)

Pond CB8: Catchbasin



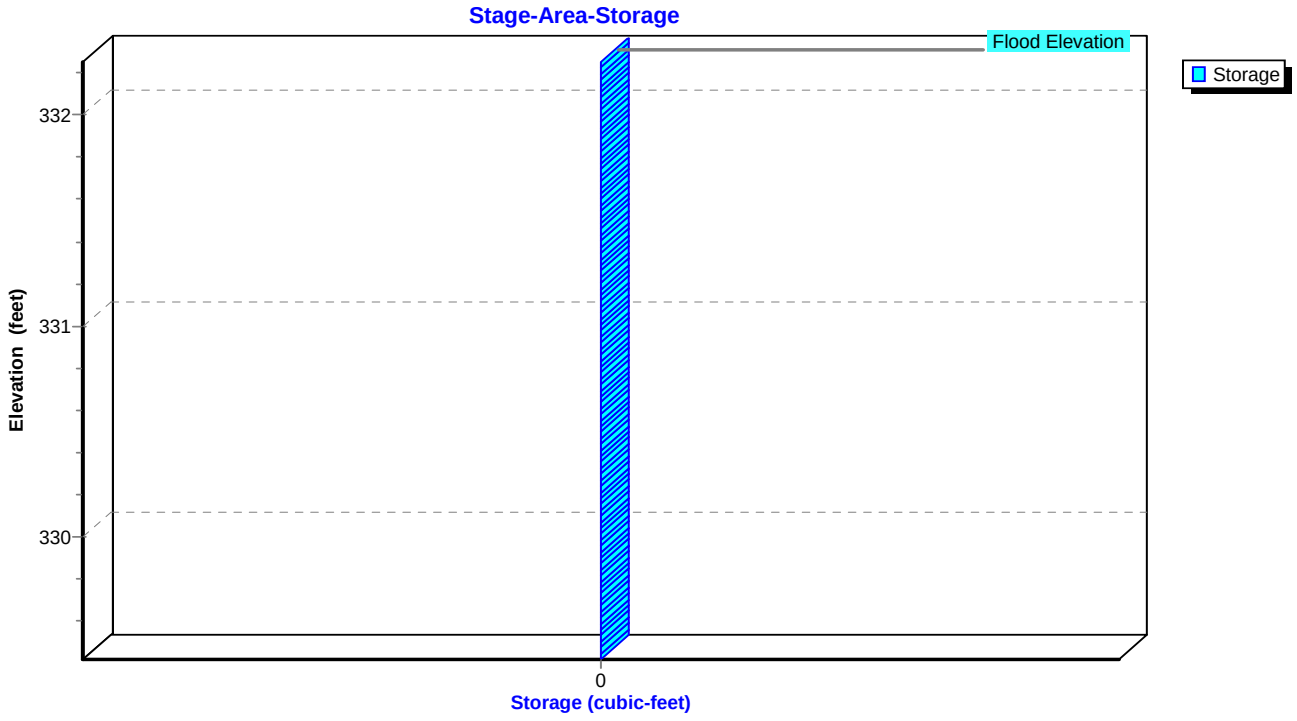
Pond CB8: Catchbasin

Stage-Discharge



Pond CB8: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.42	0.00
6.00	0.00	329.42	0.00
6.50	0.00	329.42	0.00
7.00	0.00	329.42	0.00
7.50	0.00	329.42	0.00
8.00	0.00	329.44	0.00
8.50	0.01	329.46	0.01
9.00	0.03	329.49	0.03
9.50	0.05	329.52	0.05
10.00	0.08	329.54	0.08
10.50	0.13	329.57	0.13
11.00	0.19	329.61	0.19
11.50	0.37	329.68	0.37
12.00	**3.30**	**330.28**	**3.30**
12.50	**1.22**	**329.92**	**1.22**
13.00	0.51	329.73	0.51
13.50	0.40	329.70	0.40
14.00	0.33	329.67	0.33
14.50	0.29	329.65	0.29
15.00	0.25	329.64	0.25
15.50	0.22	329.62	0.22
16.00	0.18	329.60	0.18
16.50	0.16	329.59	0.16
17.00	0.14	329.58	0.14
17.50	0.13	329.57	0.13
18.00	0.11	329.56	0.11
18.50	0.10	329.56	0.10
19.00	0.10	329.55	0.10
19.50	0.09	329.55	0.09
20.00	0.09	329.55	0.09
20.50	0.08	329.55	0.08
21.00	0.08	329.54	0.08
21.50	0.08	329.54	0.08
22.00	0.07	329.54	0.07
22.50	0.07	329.53	0.07
23.00	0.07	329.53	0.07
23.50	0.06	329.53	0.06
24.00	0.06	329.52	0.06

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

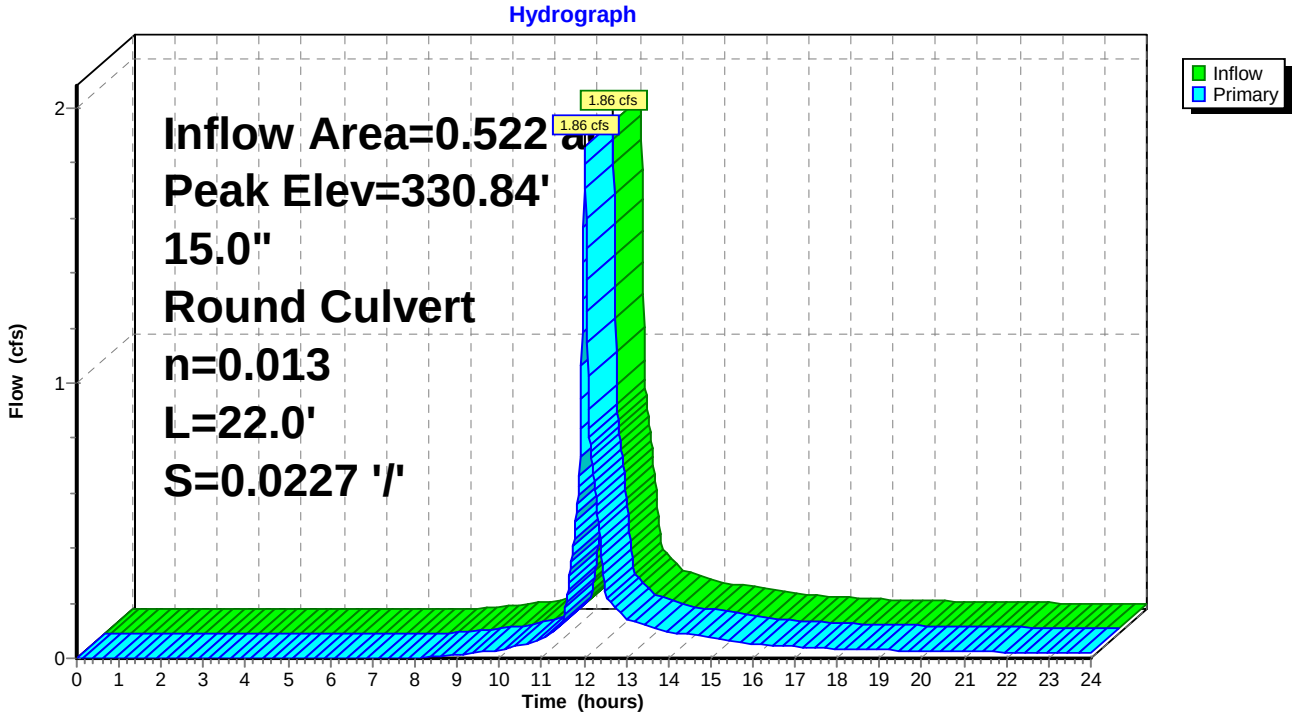
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.55" for 5-Year event
Inflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af
Outflow = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af, Atten= 0%, Lag= 0.0 min
Primary = 1.86 cfs @ 12.02 hrs, Volume= 0.111 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.84' @ 12.02 hrs
Flood Elev= 332.80'

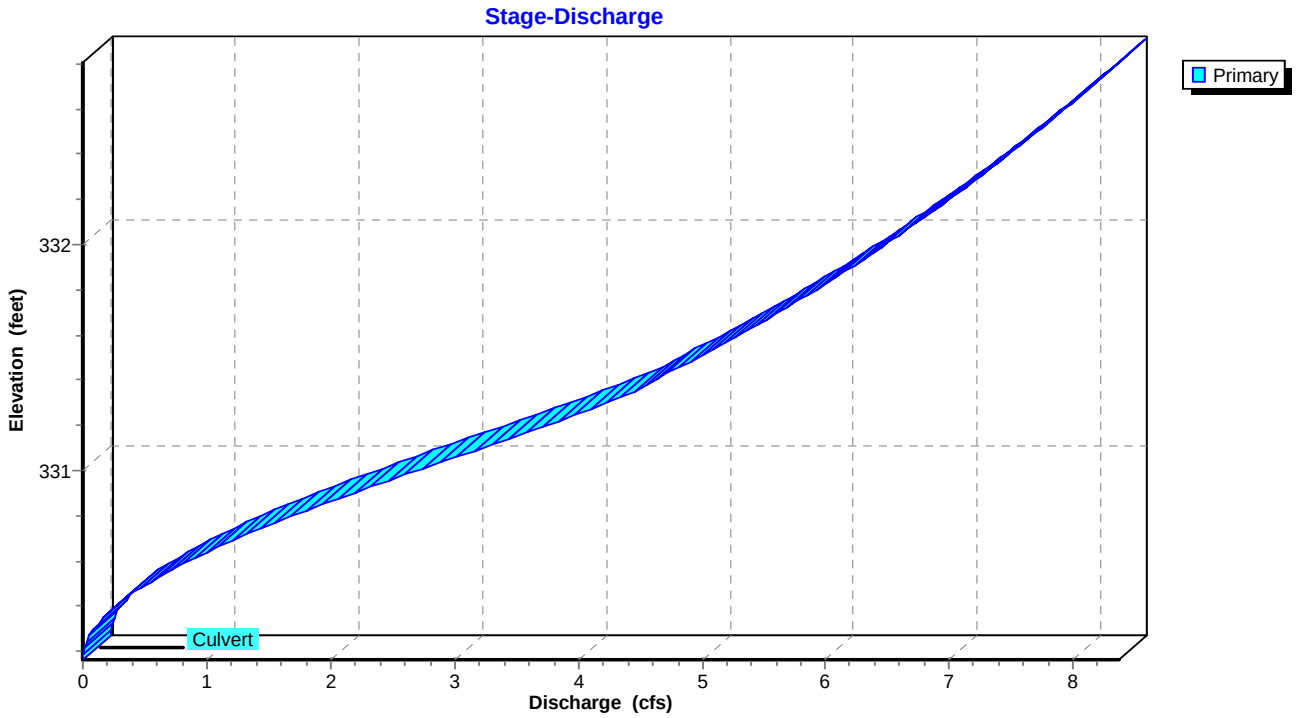
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.81 cfs @ 12.02 hrs HW=330.84' TW=330.34' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 1.81 cfs @ 3.90 fps)

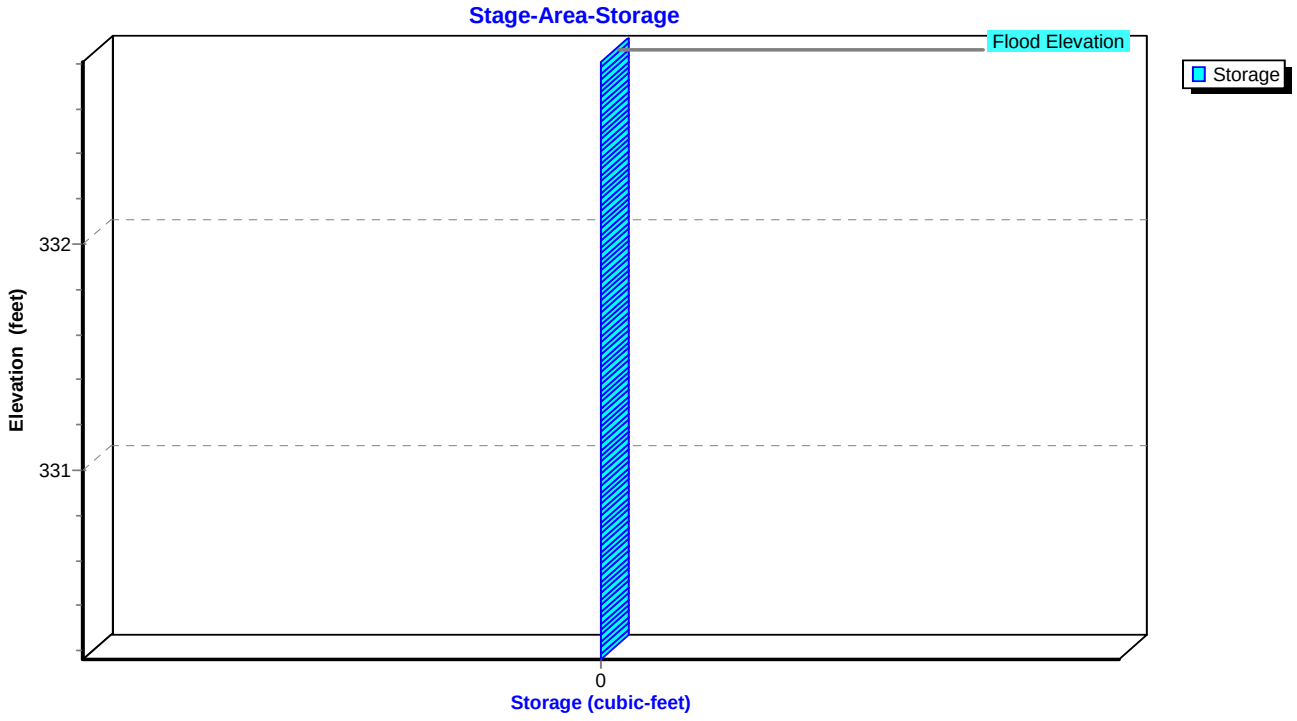
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.17	0.00
8.00	0.00	330.19	0.00
8.50	0.01	330.21	0.01
9.00	0.01	330.22	0.01
9.50	0.02	330.23	0.02
10.00	0.03	330.25	0.03
10.50	0.05	330.27	0.05
11.00	0.07	330.29	0.07
11.50	0.13	330.33	0.13
12.00	**1.70**	**330.81**	**1.70**
12.50	**0.25**	**330.40**	**0.25**
13.00	0.14	330.34	0.14
13.50	0.12	330.33	0.12
14.00	0.10	330.31	0.10
14.50	0.09	330.30	0.09
15.00	0.07	330.29	0.07
15.50	0.06	330.28	0.06
16.00	0.05	330.27	0.05
16.50	0.05	330.27	0.05
17.00	0.04	330.26	0.04
17.50	0.04	330.26	0.04
18.00	0.03	330.25	0.03
18.50	0.03	330.25	0.03
19.00	0.03	330.25	0.03
19.50	0.03	330.24	0.03
20.00	0.03	330.24	0.03
20.50	0.03	330.24	0.03
21.00	0.02	330.24	0.02
21.50	0.02	330.24	0.02
22.00	0.02	330.24	0.02
22.50	0.02	330.23	0.02
23.00	0.02	330.23	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

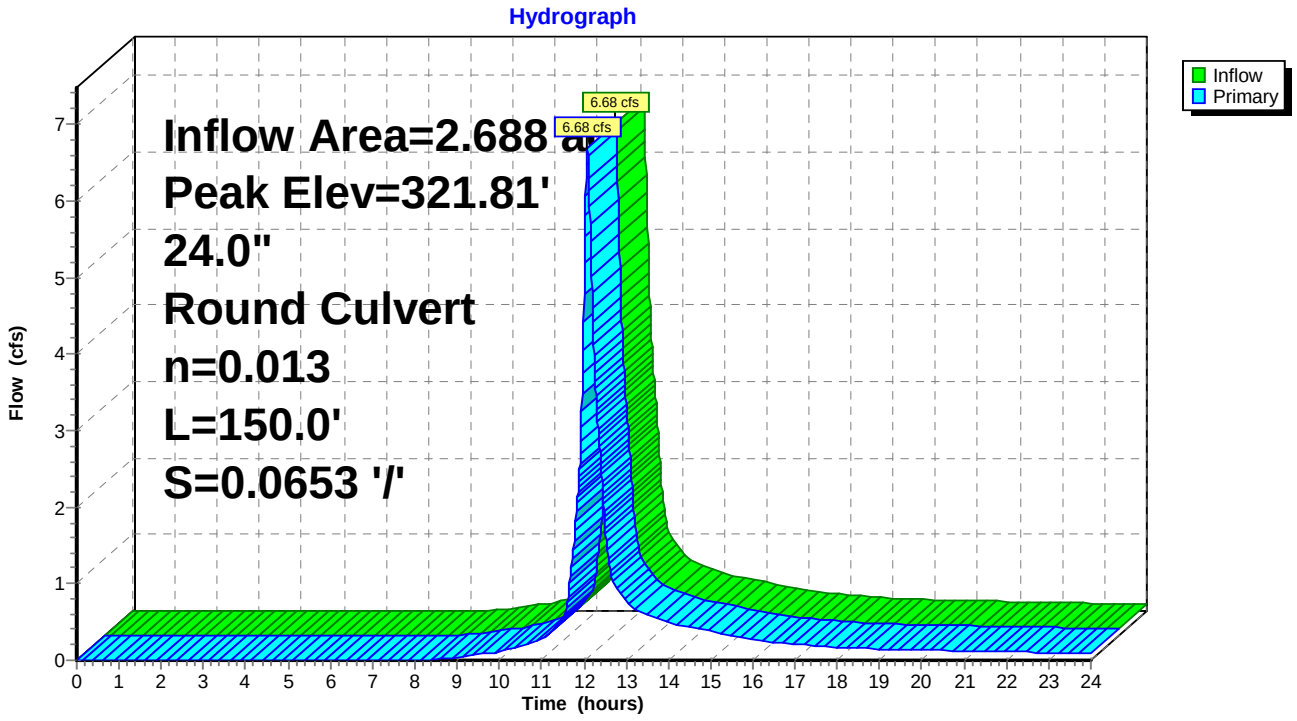
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 2.38" for 5-Year event
Inflow = 6.68 cfs @ 12.08 hrs, Volume= 0.533 af
Outflow = 6.68 cfs @ 12.08 hrs, Volume= 0.533 af, Atten= 0%, Lag= 0.0 min
Primary = 6.68 cfs @ 12.08 hrs, Volume= 0.533 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.81' @ 12.08 hrs
Flood Elev= 338.50'

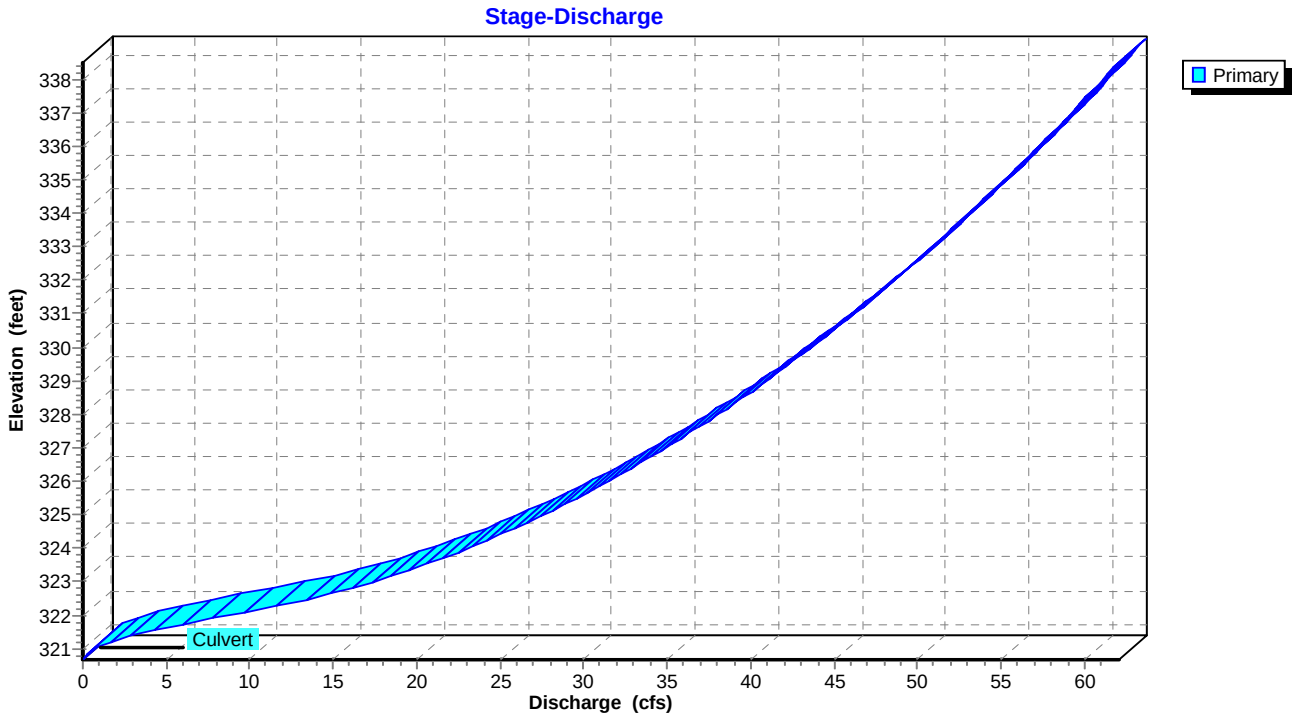
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=6.67 cfs @ 12.08 hrs HW=321.81' TW=311.95' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.67 cfs @ 3.63 fps)

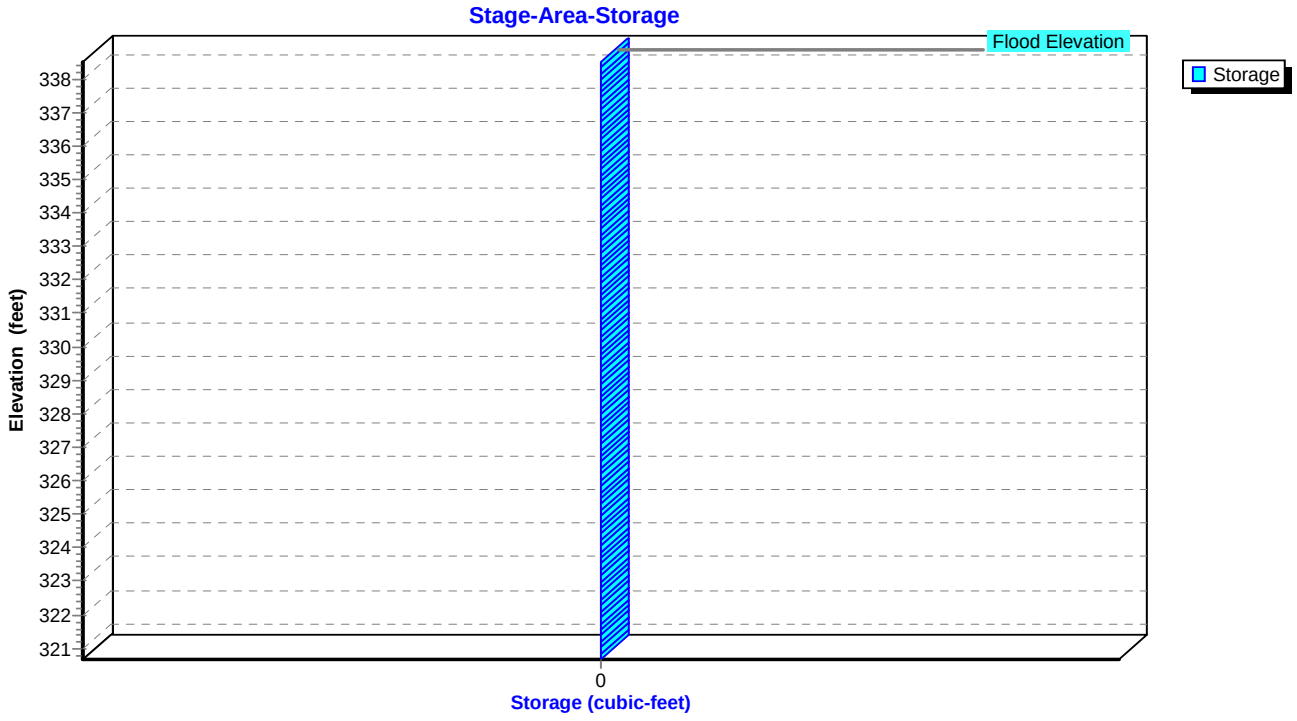
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.67	0.00
6.00	0.00	320.67	0.00
6.50	0.00	320.67	0.00
7.00	0.00	320.67	0.00
7.50	0.00	320.67	0.00
8.00	0.00	320.69	0.00
8.50	0.01	320.71	0.01
9.00	0.04	320.74	0.04
9.50	0.07	320.78	0.07
10.00	0.11	320.80	0.11
10.50	0.18	320.84	0.18
11.00	0.28	320.88	0.28
11.50	0.54	320.97	0.54
12.00	**4.79**	**321.61**	**4.79**
12.50	**1.80**	**321.22**	**1.80**
13.00	0.76	321.02	0.76
13.50	0.60	320.98	0.60
14.00	0.49	320.95	0.49
14.50	0.43	320.93	0.43
15.00	0.38	320.92	0.38
15.50	0.32	320.90	0.32
16.00	0.27	320.88	0.27
16.50	0.24	320.87	0.24
17.00	0.21	320.86	0.21
17.50	0.19	320.84	0.19
18.00	0.17	320.83	0.17
18.50	0.15	320.83	0.15
19.00	0.15	320.82	0.15
19.50	0.14	320.82	0.14
20.00	0.13	320.82	0.13
20.50	0.13	320.81	0.13
21.00	0.12	320.81	0.12
21.50	0.12	320.81	0.12
22.00	0.11	320.80	0.11
22.50	0.10	320.80	0.10
23.00	0.10	320.80	0.10
23.50	0.09	320.79	0.09
24.00	0.09	320.79	0.09

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

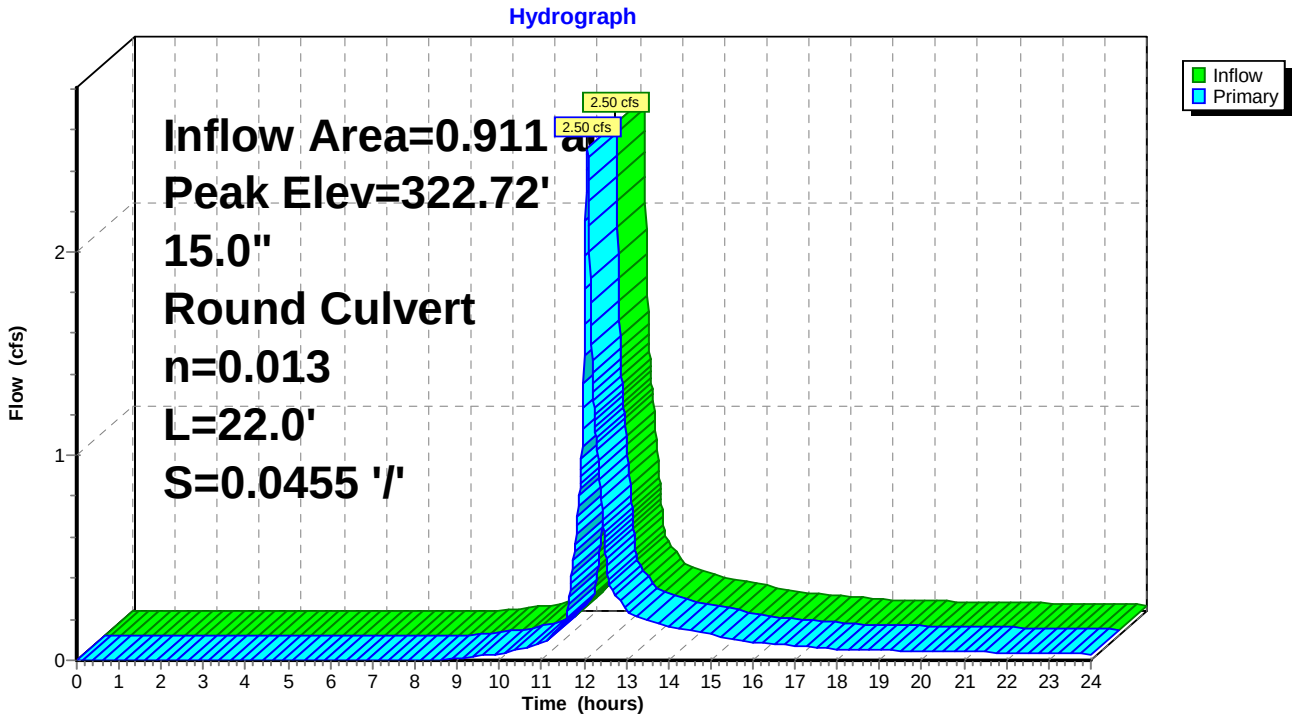
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.29" for 5-Year event
Inflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af
Outflow = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af, Atten= 0%, Lag= 0.0 min
Primary = 2.50 cfs @ 12.08 hrs, Volume= 0.174 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.72' @ 12.08 hrs
Flood Elev= 324.50'

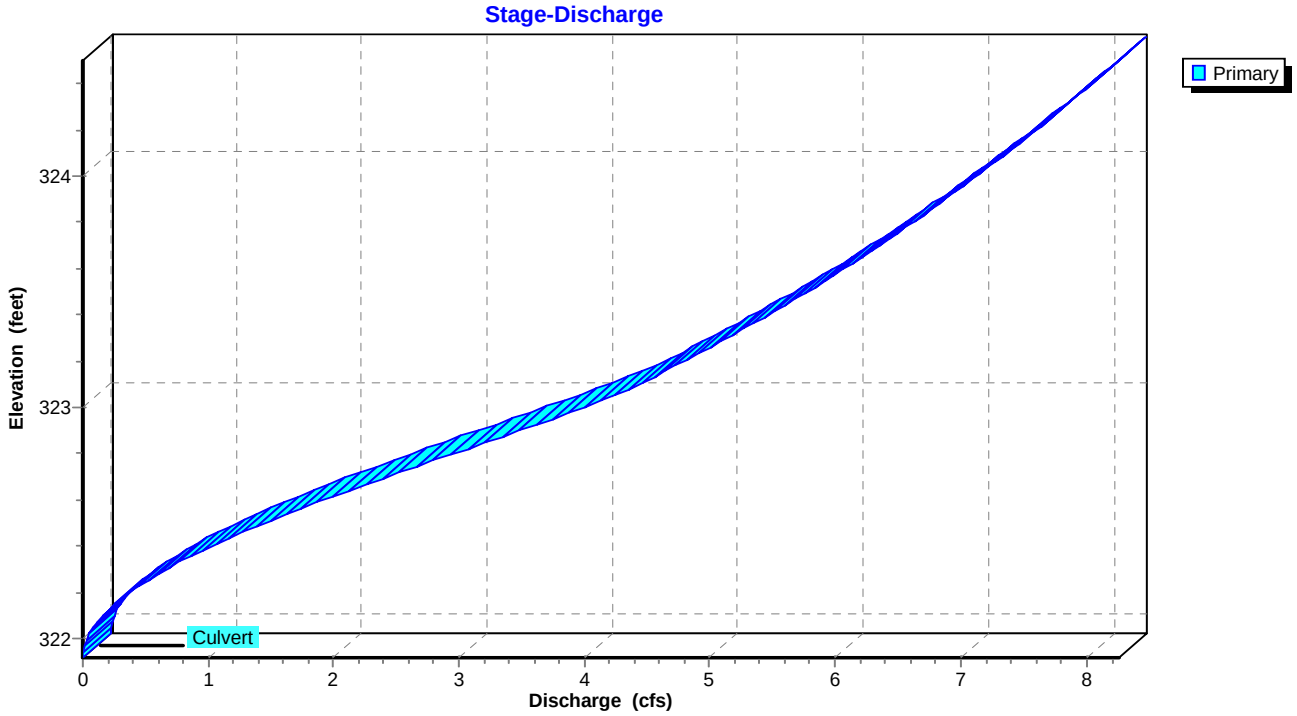
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.50 cfs @ 12.08 hrs HW=322.71' TW=321.81' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.50 cfs @ 3.04 fps)

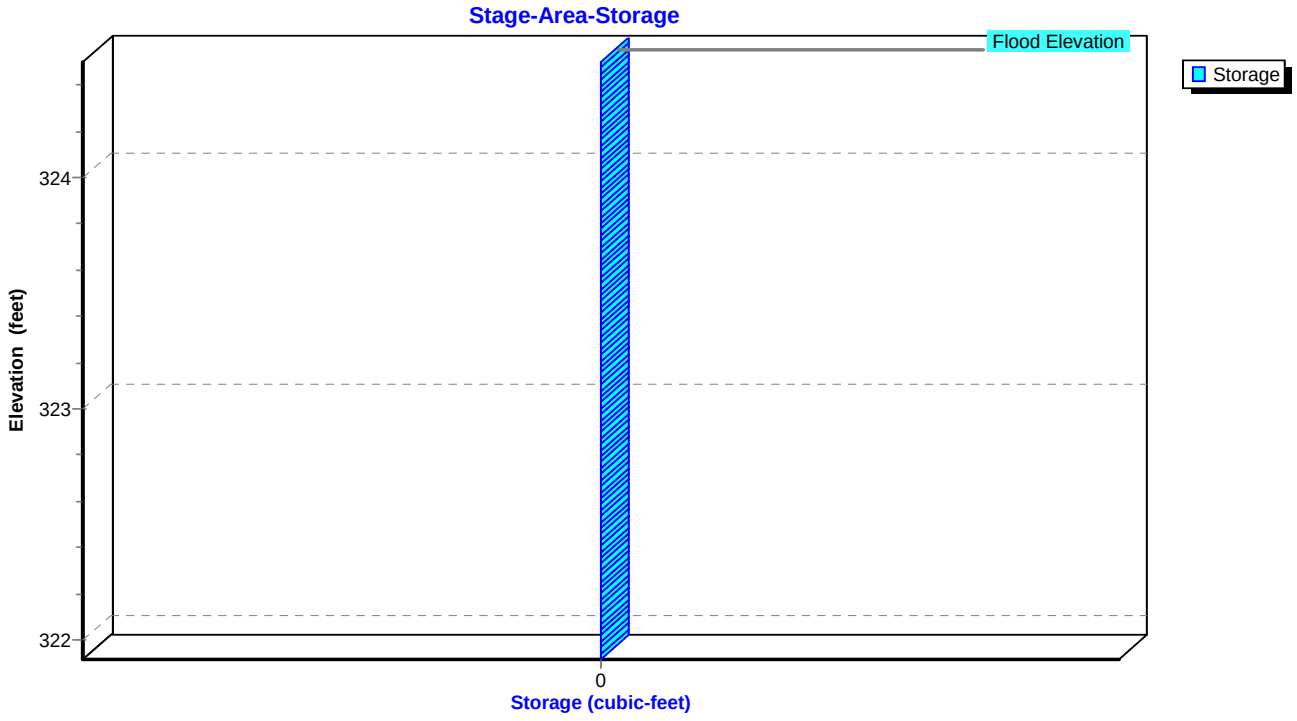
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.00	321.93	0.00
9.00	0.01	321.96	0.01
9.50	0.02	321.98	0.02
10.00	0.03	322.00	0.03
10.50	0.06	322.03	0.06
11.00	0.09	322.05	0.09
11.50	0.17	322.11	0.17
12.00	**1.49**	**322.51**	**1.49**
12.50	**0.57**	**322.27**	**0.57**
13.00	0.25	322.15	0.25
13.50	0.20	322.12	0.20
14.00	0.16	322.10	0.16
14.50	0.14	322.09	0.14
15.00	0.12	322.08	0.12
15.50	0.11	322.07	0.11
16.00	0.09	322.05	0.09
16.50	0.08	322.05	0.08
17.00	0.07	322.04	0.07
17.50	0.06	322.03	0.06
18.00	0.05	322.03	0.05
18.50	0.05	322.02	0.05
19.00	0.05	322.02	0.05
19.50	0.05	322.02	0.05
20.00	0.04	322.01	0.04
20.50	0.04	322.01	0.04
21.00	0.04	322.01	0.04
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.03	322.00	0.03
23.00	0.03	322.00	0.03
23.50	0.03	322.00	0.03
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=346.98' Inflow=4.71 cfs 0.554 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=4.71 cfs 0.554 af

Pond CB10: Catchbasin Peak Elev=312.11' Inflow=9.86 cfs 0.789 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=9.86 cfs 0.789 af

Pond CB10-1: CB1-1 Peak Elev=312.75' Inflow=2.68 cfs 0.161 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.68 cfs 0.161 af

Pond CB11: Catchbasin Peak Elev=301.38' Inflow=9.86 cfs 0.789 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=9.86 cfs 0.789 af

Pond CB11-1: CB1-1 Peak Elev=300.58' Inflow=11.33 cfs 0.942 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=11.33 cfs 0.942 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=299.52' Inflow=15.11 cfs 1.250 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=15.11 cfs 1.250 af

Pond CB13: Catchbasin Peak Elev=294.80' Inflow=17.04 cfs 1.445 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=17.04 cfs 1.445 af

Pond CB13-1: CB1-1 Peak Elev=296.30' Inflow=17.04 cfs 1.445 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=17.04 cfs 1.445 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.17' Inflow=9.95 cfs 1.121 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=9.95 cfs 1.121 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=341.38' Inflow=12.24 cfs 1.370 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=12.24 cfs 1.370 af

Pond CB4: Catchbasin Peak Elev=335.06' Inflow=16.29 cfs 1.861 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=16.29 cfs 1.861 af

Pond CB4-1: CB1-1 Peak Elev=336.33' Inflow=16.29 cfs 1.861 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=16.29 cfs 1.861 af

Pond CB5: Catchbasin Peak Elev=331.79' Inflow=20.12 cfs 2.251 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=20.12 cfs 2.251 af

Pond CB5-1: CB1-1 Peak Elev=334.44' Inflow=1.20 cfs 0.071 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.20 cfs 0.071 af

Pond CB6: Catchbasin Peak Elev=334.37' Inflow=3.55 cfs 0.319 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=3.55 cfs 0.319 af

Pond CB6-1: CB1-1 Peak Elev=336.91' Inflow=3.55 cfs 0.319 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=3.55 cfs 0.319 af

Pond CB7: Catchbasin Peak Elev=333.85' Inflow=3.80 cfs 0.292 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=3.80 cfs 0.292 af

Pond CB7-1: CB1-1 Peak Elev=335.46' Inflow=3.80 cfs 0.292 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=3.80 cfs 0.292 af

Pond CB8: Catchbasin Peak Elev=330.52' Inflow=4.93 cfs 0.422 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=4.93 cfs 0.422 af

Pond CB8-1: CB1-1 Peak Elev=330.93' Inflow=2.17 cfs 0.130 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.17 cfs 0.130 af

Pond CB9: Catchbasin Peak Elev=321.92' Inflow=7.89 cfs 0.628 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=7.89 cfs 0.628 af

Pond CB9-1: CB1-1 Peak Elev=322.80' Inflow=2.96 cfs 0.206 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=2.96 cfs 0.206 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

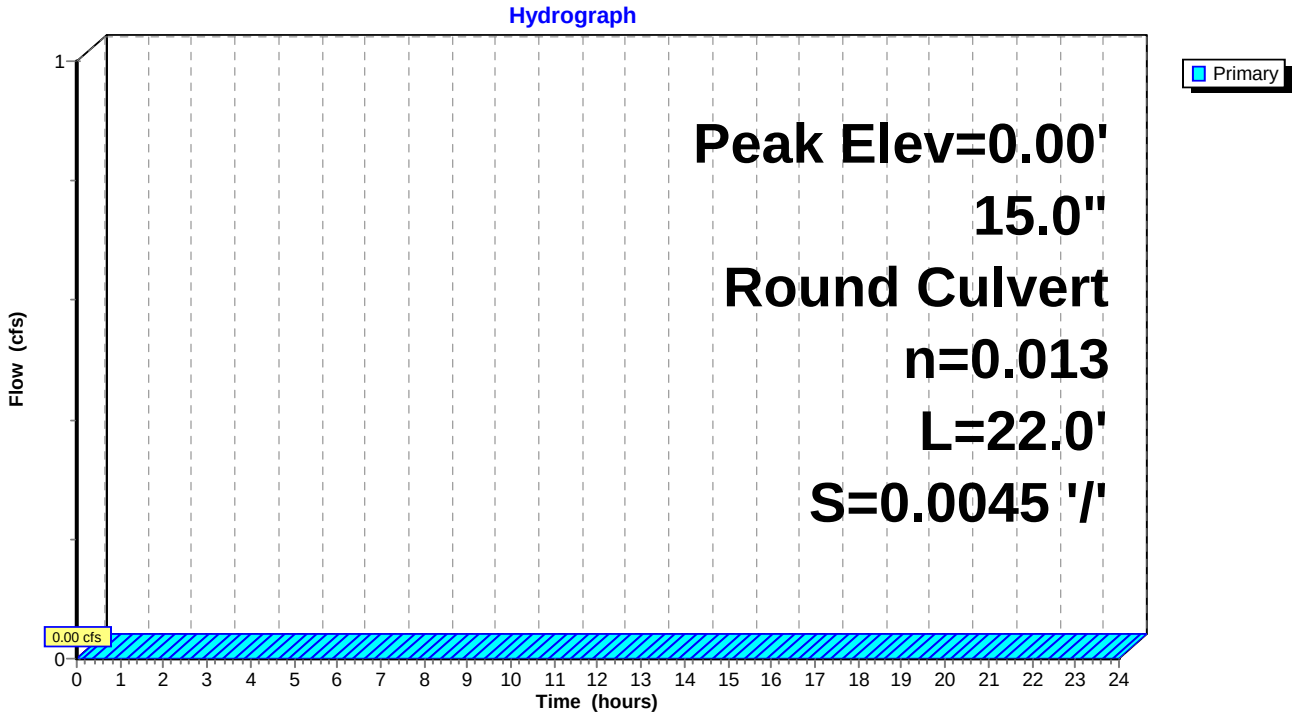
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

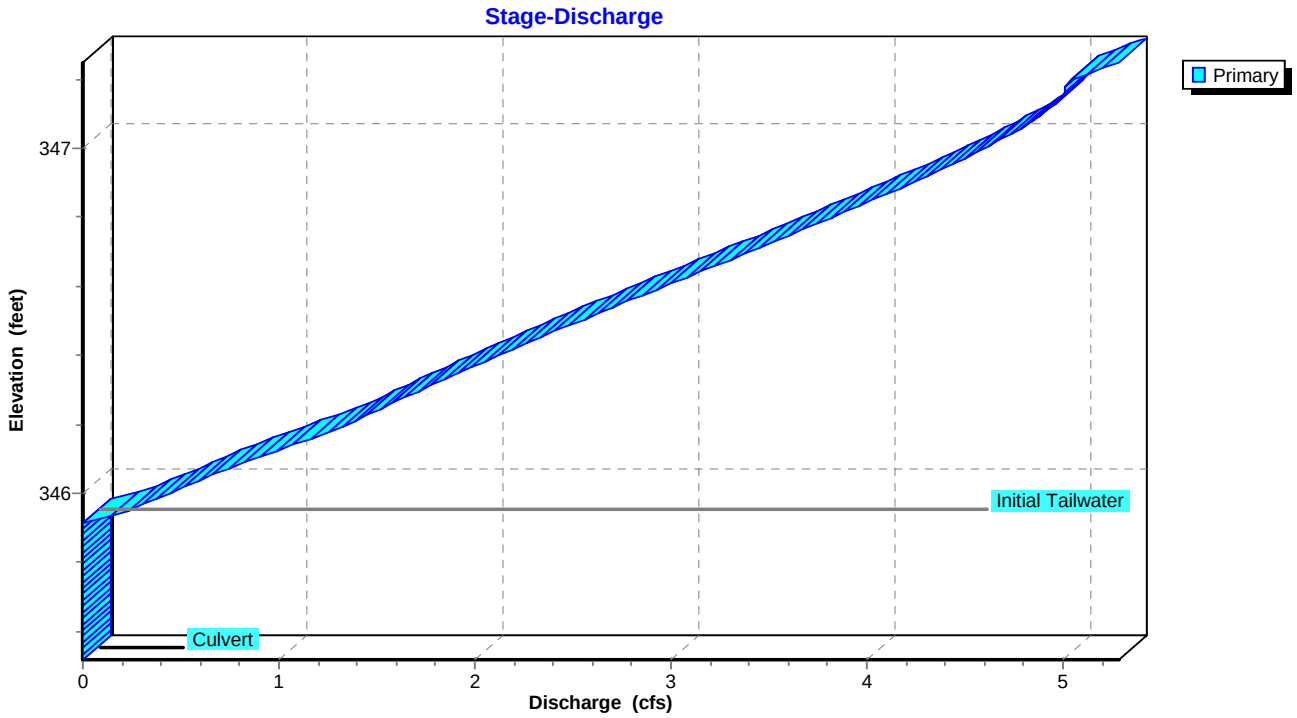
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

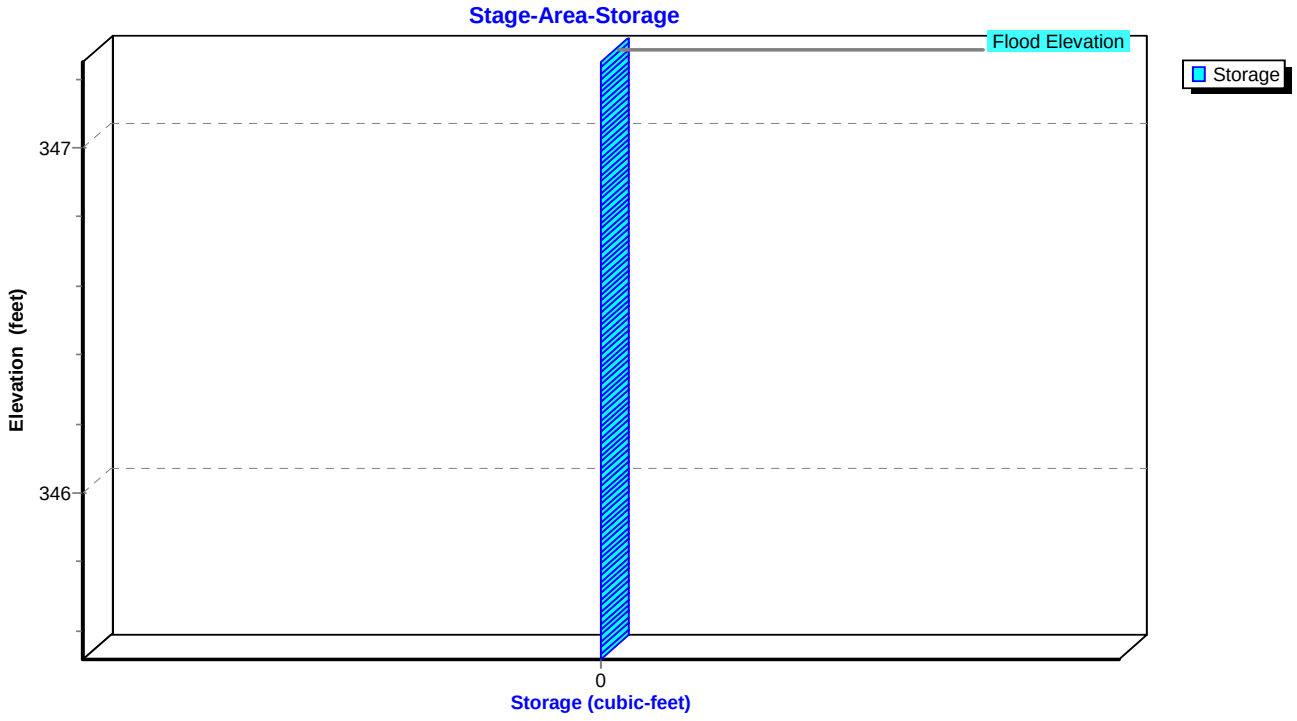
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

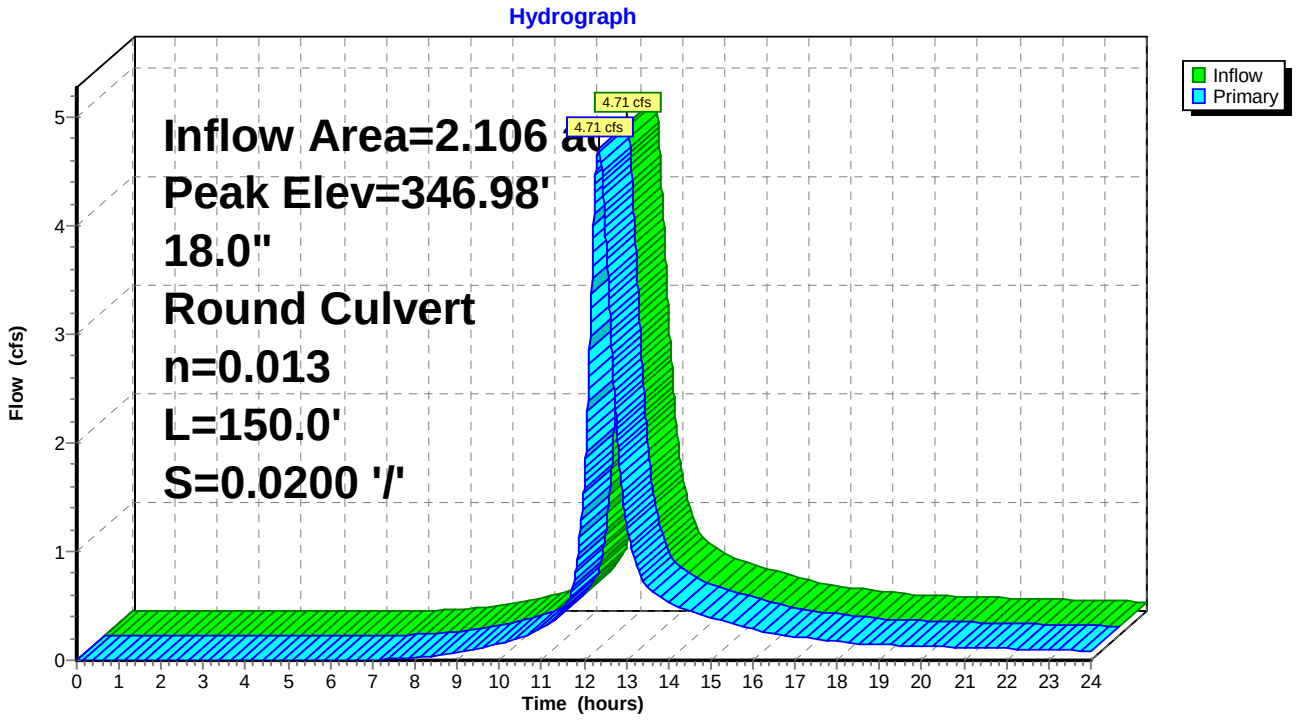
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 3.16" for 10-Year event
Inflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af
Outflow = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af, Atten= 0%, Lag= 0.0 min
Primary = 4.71 cfs @ 12.34 hrs, Volume= 0.554 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 346.98' @ 12.34 hrs
Flood Elev= 348.80'

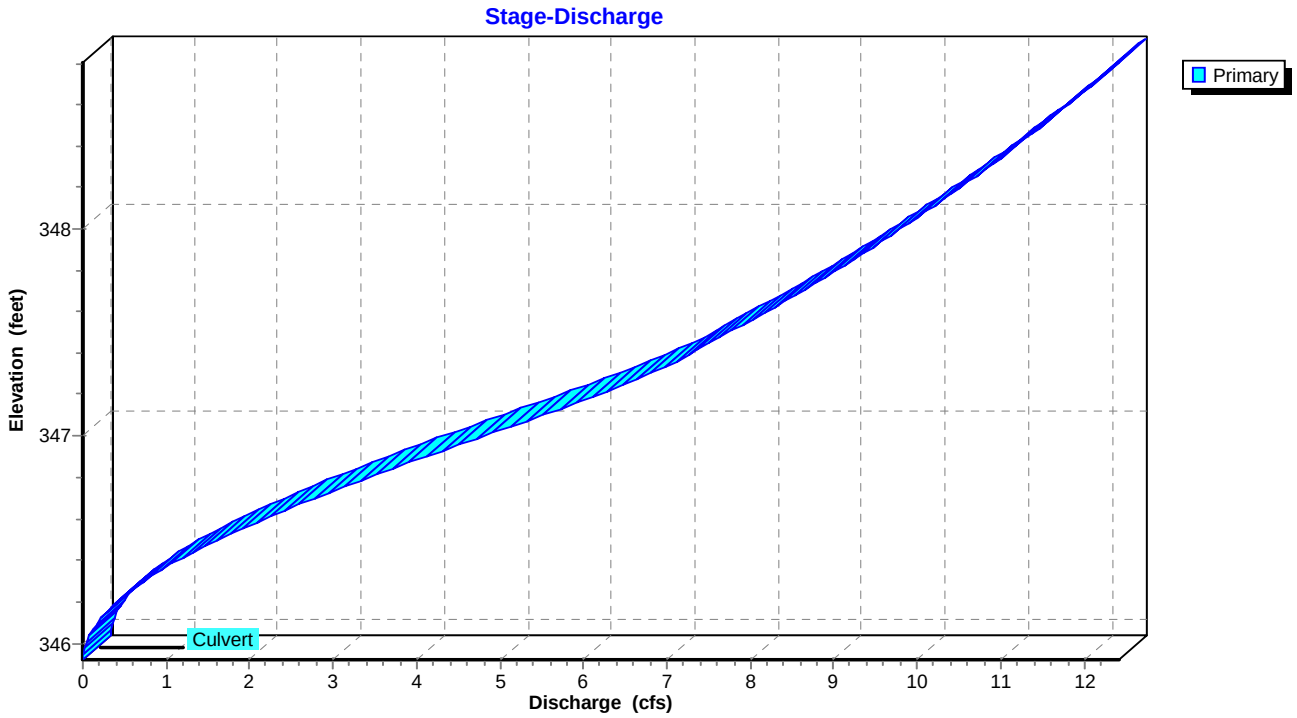
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=4.71 cfs @ 12.34 hrs HW=346.98' TW=344.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.71 cfs @ 3.51 fps)

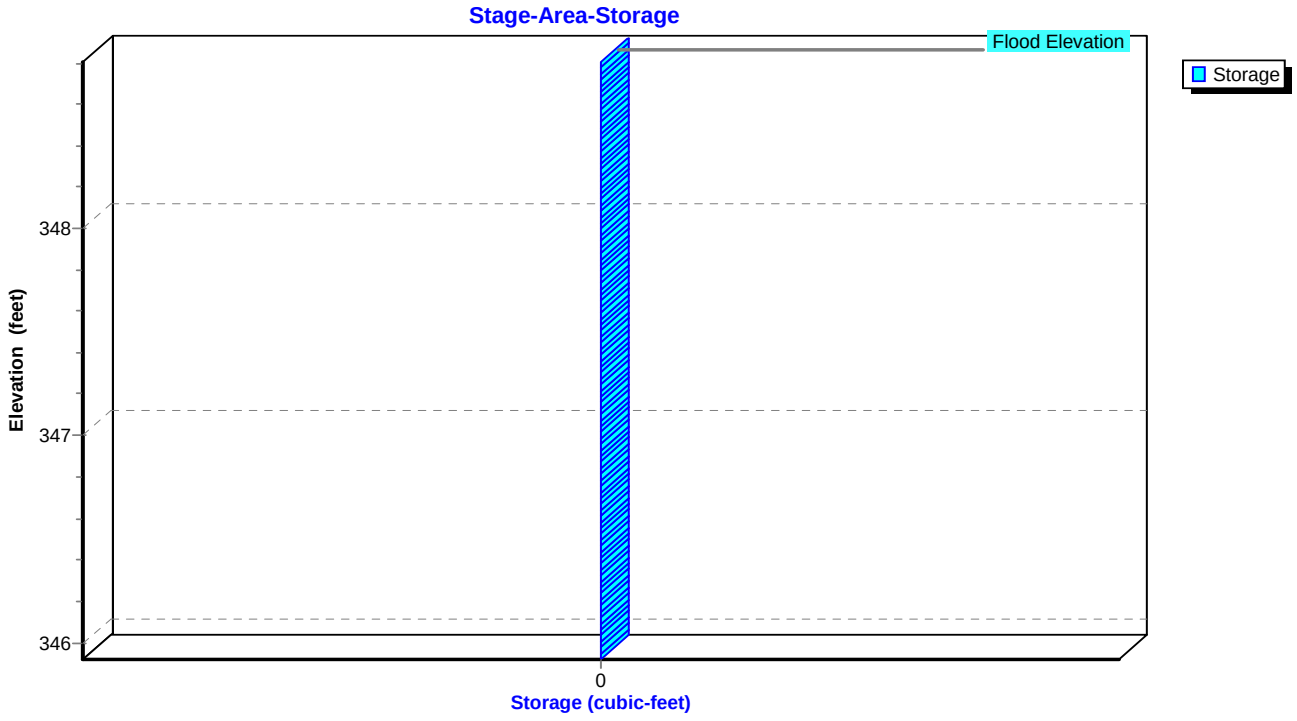
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.00	345.92	0.00
6.00	0.00	345.92	0.00
6.50	0.00	345.92	0.00
7.00	0.00	345.94	0.00
7.50	0.01	345.97	0.01
8.00	0.03	345.99	0.03
8.50	0.04	346.01	0.04
9.00	0.07	346.04	0.07
9.50	0.11	346.06	0.11
10.00	0.15	346.09	0.15
10.50	0.21	346.12	0.21
11.00	0.30	346.16	0.30
11.50	0.46	346.22	0.46
12.00	**1.58**	**346.49**	**1.58**
12.50	**4.06**	**346.89**	**4.06**
13.00	1.27	346.43	1.27
13.50	0.68	346.28	0.68
14.00	0.54	346.24	0.54
14.50	0.45	346.21	0.45
15.00	0.39	346.19	0.39
15.50	0.34	346.17	0.34
16.00	0.29	346.15	0.29
16.50	0.24	346.13	0.24
17.00	0.22	346.12	0.22
17.50	0.19	346.11	0.19
18.00	0.17	346.10	0.17
18.50	0.15	346.09	0.15
19.00	0.14	346.08	0.14
19.50	0.14	346.08	0.14
20.00	0.13	346.08	0.13
20.50	0.12	346.07	0.12
21.00	0.12	346.07	0.12
21.50	0.11	346.06	0.11
22.00	0.11	346.06	0.11
22.50	0.10	346.06	0.10
23.00	0.10	346.05	0.10
23.50	0.09	346.05	0.09
24.00	0.09	346.05	0.09

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

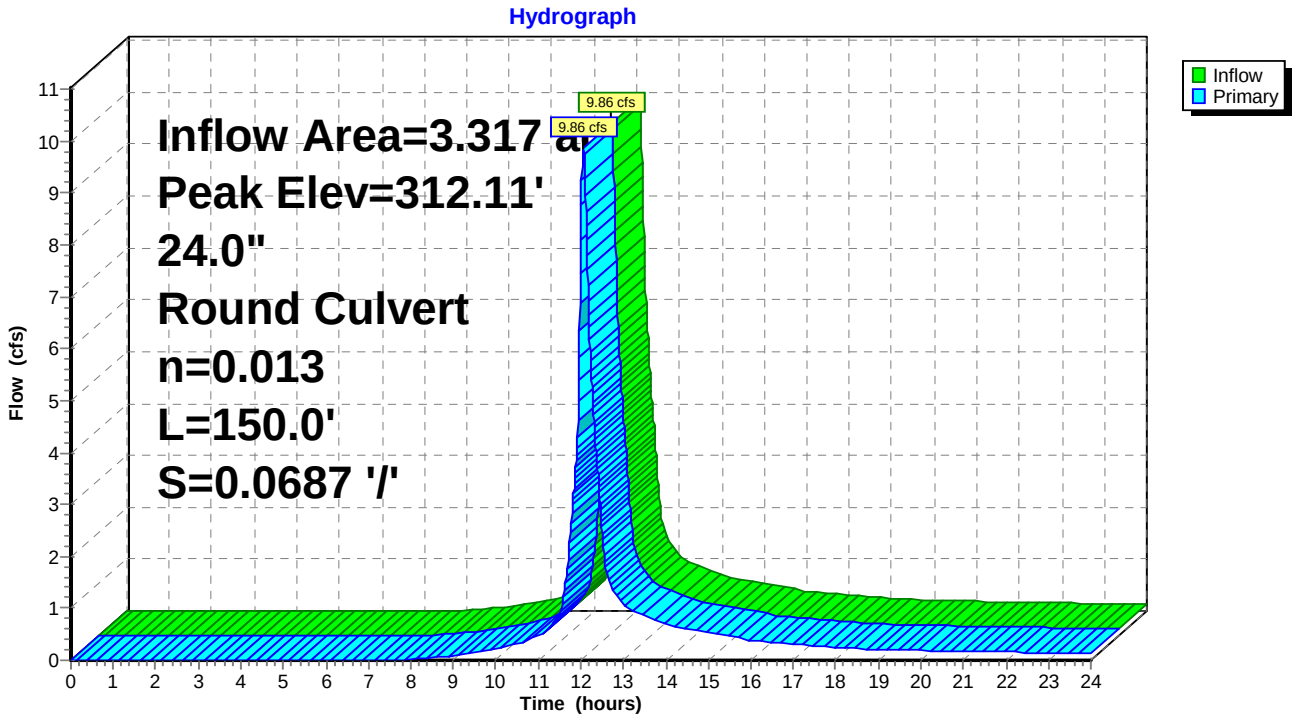
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 2.86" for 10-Year event
Inflow = 9.86 cfs @ 12.06 hrs, Volume= 0.789 af
Outflow = 9.86 cfs @ 12.06 hrs, Volume= 0.789 af, Atten= 0%, Lag= 0.0 min
Primary = 9.86 cfs @ 12.06 hrs, Volume= 0.789 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.11' @ 12.06 hrs
Flood Elev= 313.50'

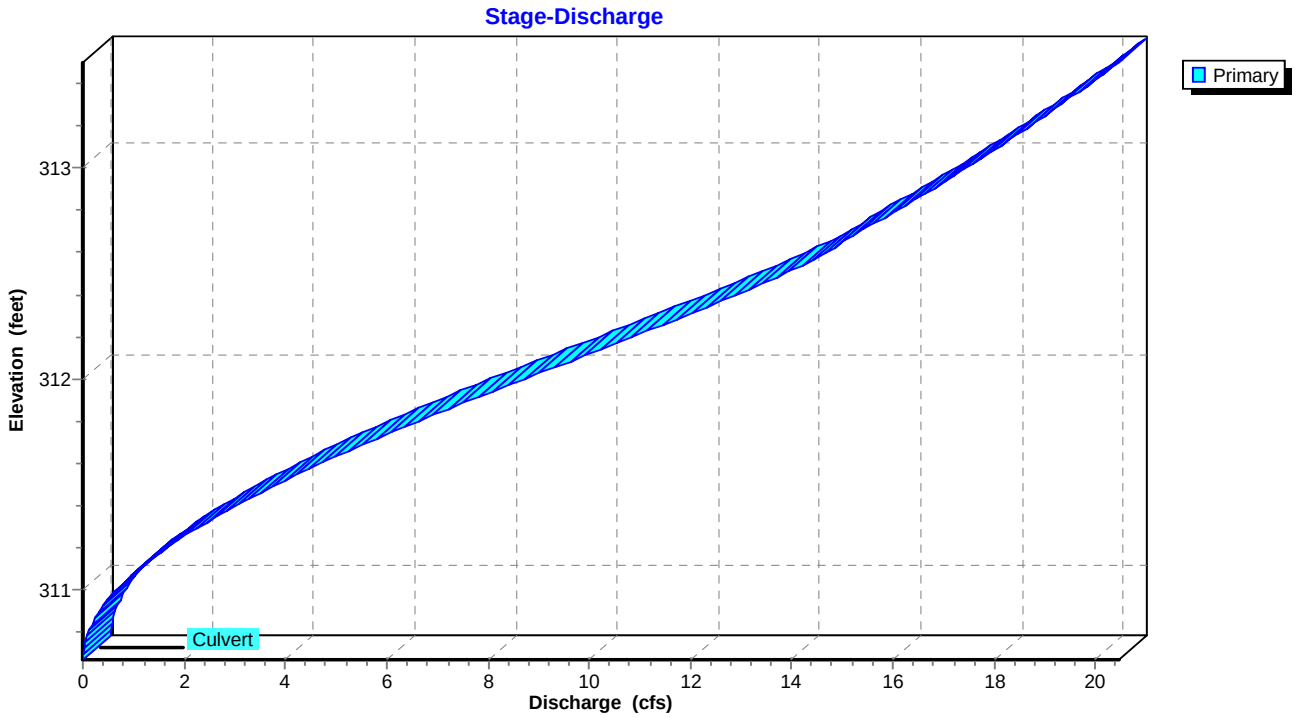
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.85 cfs @ 12.06 hrs HW=312.11' TW=301.38' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.85 cfs @ 4.08 fps)

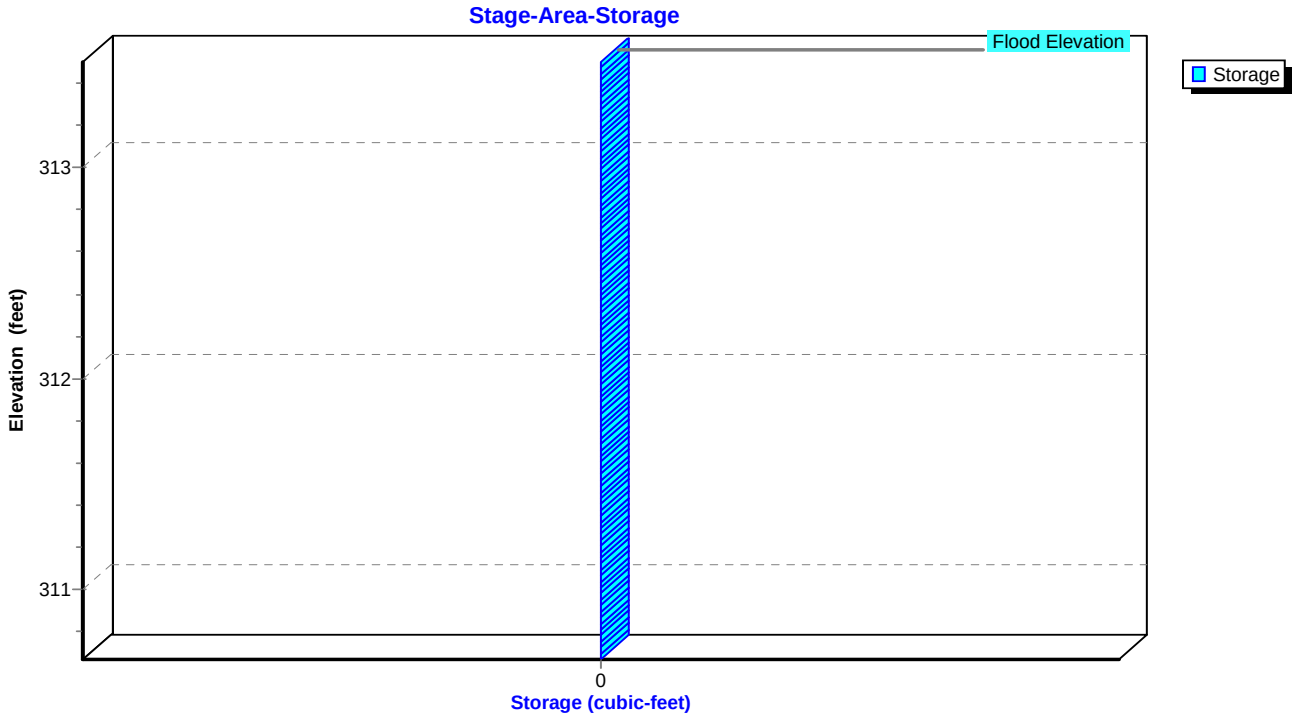
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.67	0.00
6.00	0.00	310.67	0.00
6.50	0.00	310.67	0.00
7.00	0.00	310.68	0.00
7.50	0.01	310.70	0.01
8.00	0.02	310.72	0.02
8.50	0.05	310.75	0.05
9.00	0.09	310.79	0.09
9.50	0.14	310.82	0.14
10.00	0.21	310.85	0.21
10.50	0.32	310.90	0.32
11.00	0.46	310.94	0.46
11.50	0.87	311.05	0.87
12.00	**8.11**	**311.94**	**8.11**
12.50	**2.44**	**311.32**	**2.44**
13.00	1.08	311.09	1.08
13.50	0.86	311.05	0.86
14.00	0.70	311.01	0.70
14.50	0.61	310.99	0.61
15.00	0.54	310.97	0.54
15.50	0.46	310.94	0.46
16.00	0.38	310.92	0.38
16.50	0.34	310.90	0.34
17.00	0.30	310.89	0.30
17.50	0.27	310.88	0.27
18.00	0.23	310.86	0.23
18.50	0.22	310.86	0.22
19.00	0.21	310.85	0.21
19.50	0.20	310.85	0.20
20.00	0.19	310.84	0.19
20.50	0.18	310.84	0.18
21.00	0.17	310.84	0.17
21.50	0.16	310.83	0.16
22.00	0.16	310.83	0.16
22.50	0.15	310.82	0.15
23.00	0.14	310.82	0.14
23.50	0.13	310.82	0.13
24.00	0.12	310.81	0.12

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

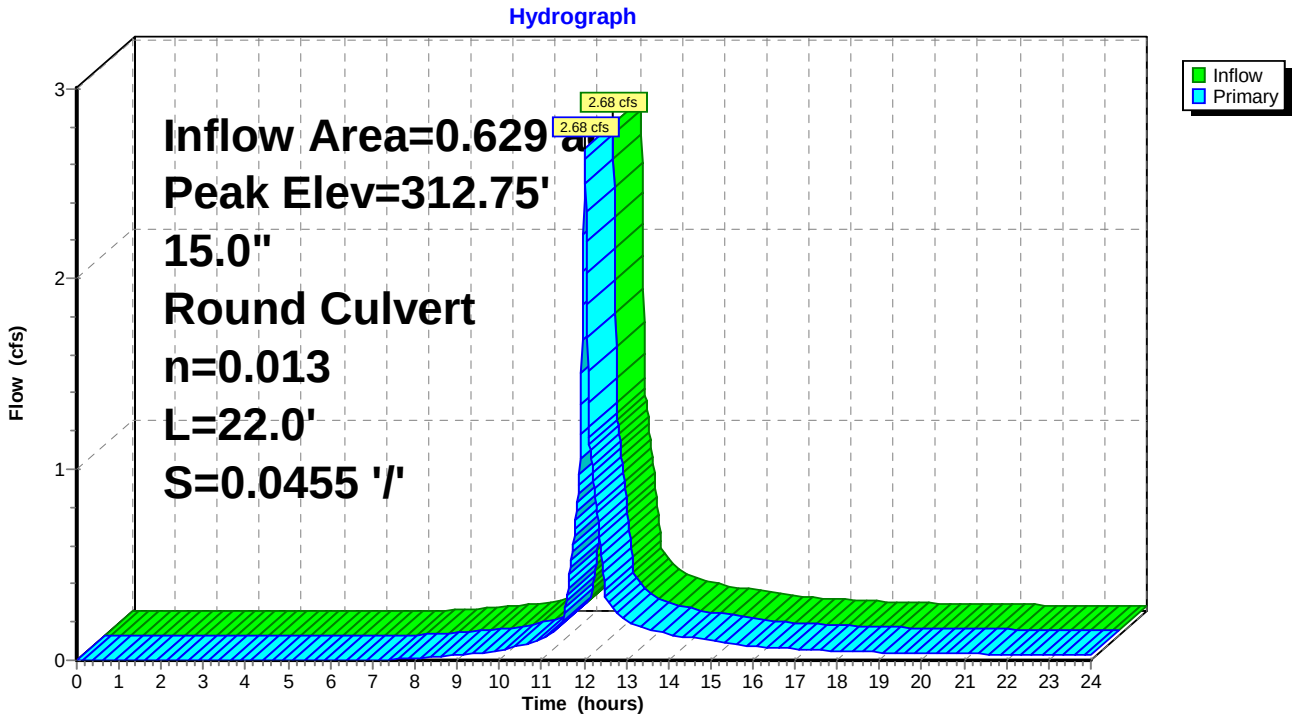
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.08" for 10-Year event
Inflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af
Outflow = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.02 hrs, Volume= 0.161 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.75' @ 12.02 hrs
Flood Elev= 314.50'

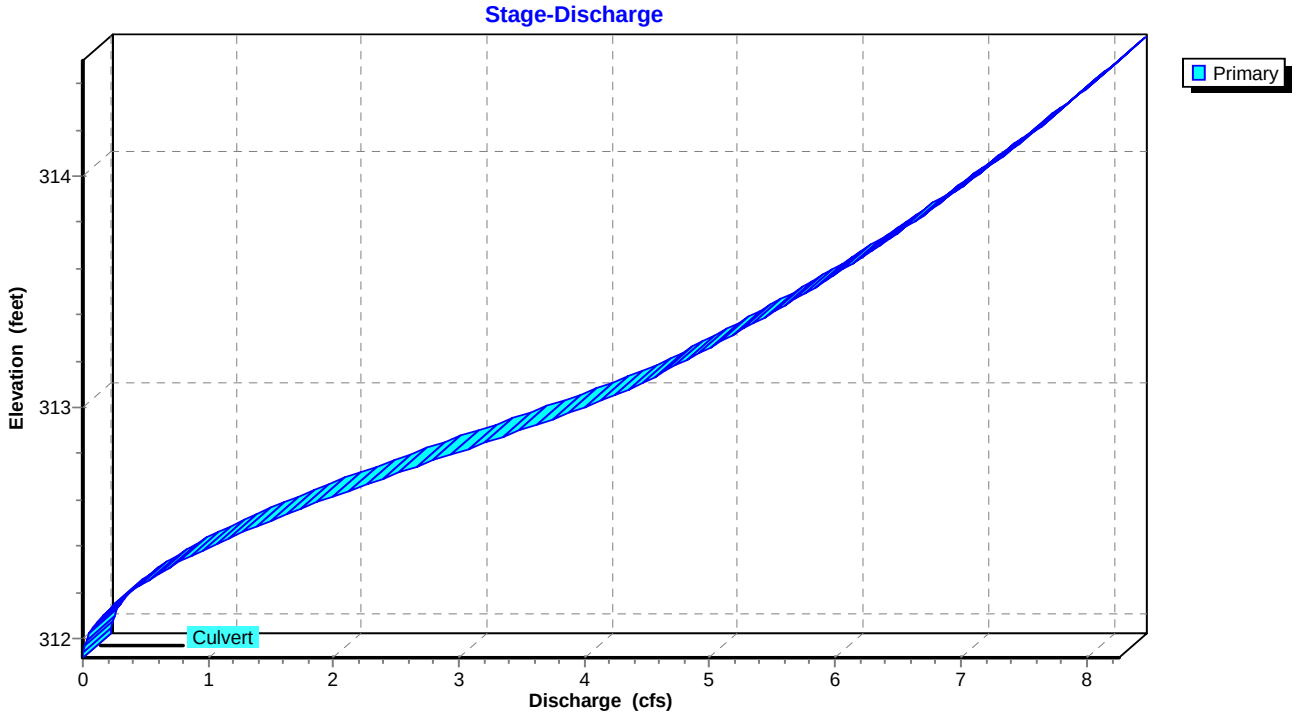
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.68 cfs @ 12.02 hrs HW=312.75' TW=312.05' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.68 cfs @ 3.10 fps)

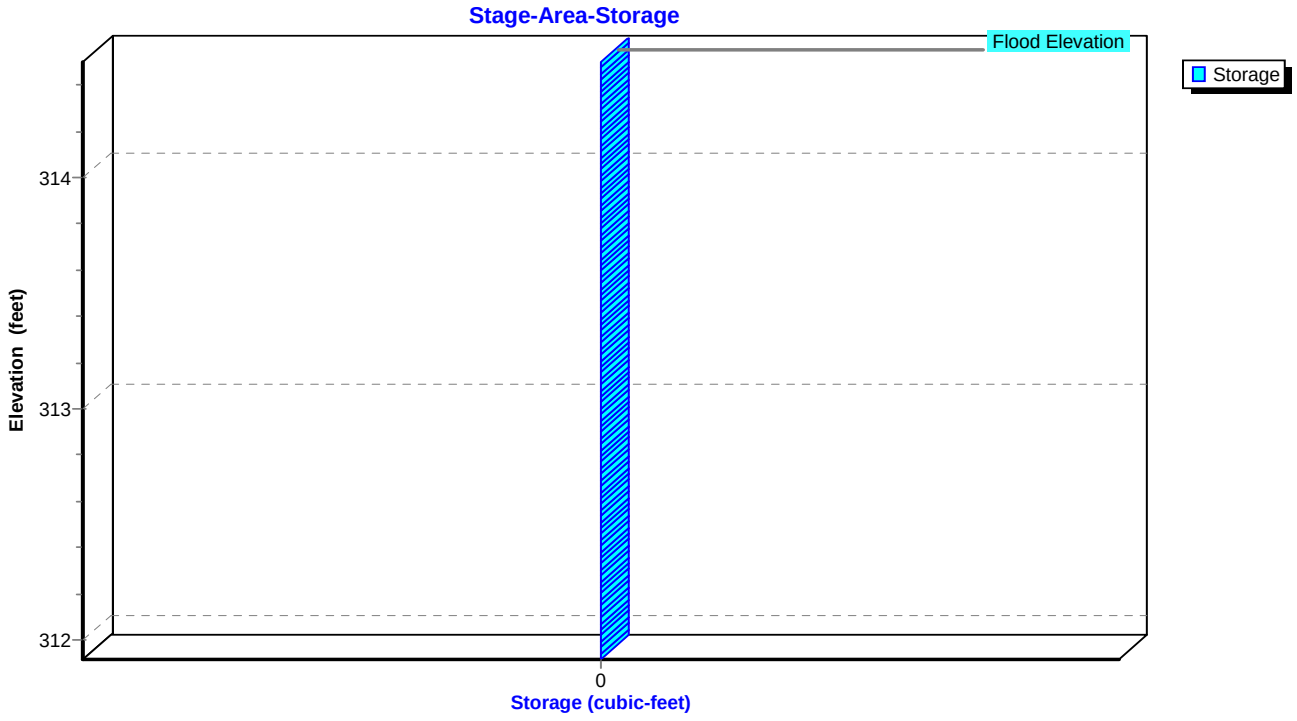
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.92	0.00
7.00	0.00	311.93	0.00
7.50	0.00	311.95	0.00
8.00	0.01	311.96	0.01
8.50	0.02	311.98	0.02
9.00	0.03	311.99	0.03
9.50	0.04	312.01	0.04
10.00	0.05	312.02	0.05
10.50	0.08	312.04	0.08
11.00	0.11	312.07	0.11
11.50	0.20	312.12	0.20
12.00	**2.42**	**312.70**	**2.42**
12.50	**0.36**	**312.20**	**0.36**
13.00	0.20	312.12	0.20
13.50	0.17	312.10	0.17
14.00	0.13	312.09	0.13
14.50	0.12	312.08	0.12
15.00	0.10	312.07	0.10
15.50	0.09	312.05	0.09
16.00	0.07	312.04	0.07
16.50	0.07	312.04	0.07
17.00	0.06	312.03	0.06
17.50	0.05	312.02	0.05
18.00	0.05	312.02	0.05
18.50	0.04	312.01	0.04
19.00	0.04	312.01	0.04
19.50	0.04	312.01	0.04
20.00	0.04	312.01	0.04
20.50	0.04	312.00	0.04
21.00	0.03	312.00	0.03
21.50	0.03	312.00	0.03
22.00	0.03	312.00	0.03
22.50	0.03	312.00	0.03
23.00	0.03	311.99	0.03
23.50	0.03	311.99	0.03
24.00	0.02	311.99	0.02

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

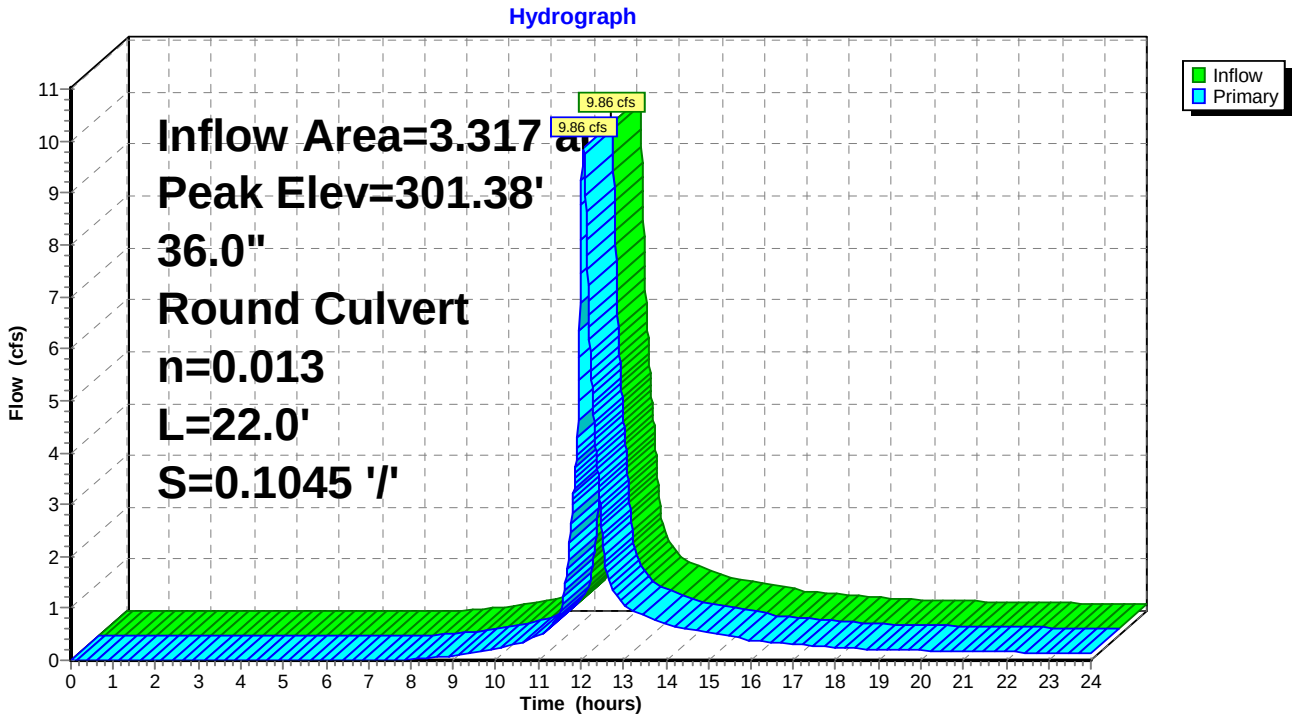
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 2.86" for 10-Year event
Inflow = 9.86 cfs @ 12.06 hrs, Volume= 0.789 af
Outflow = 9.86 cfs @ 12.06 hrs, Volume= 0.789 af, Atten= 0%, Lag= 0.0 min
Primary = 9.86 cfs @ 12.06 hrs, Volume= 0.789 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.38' @ 12.07 hrs
Flood Elev= 302.00'

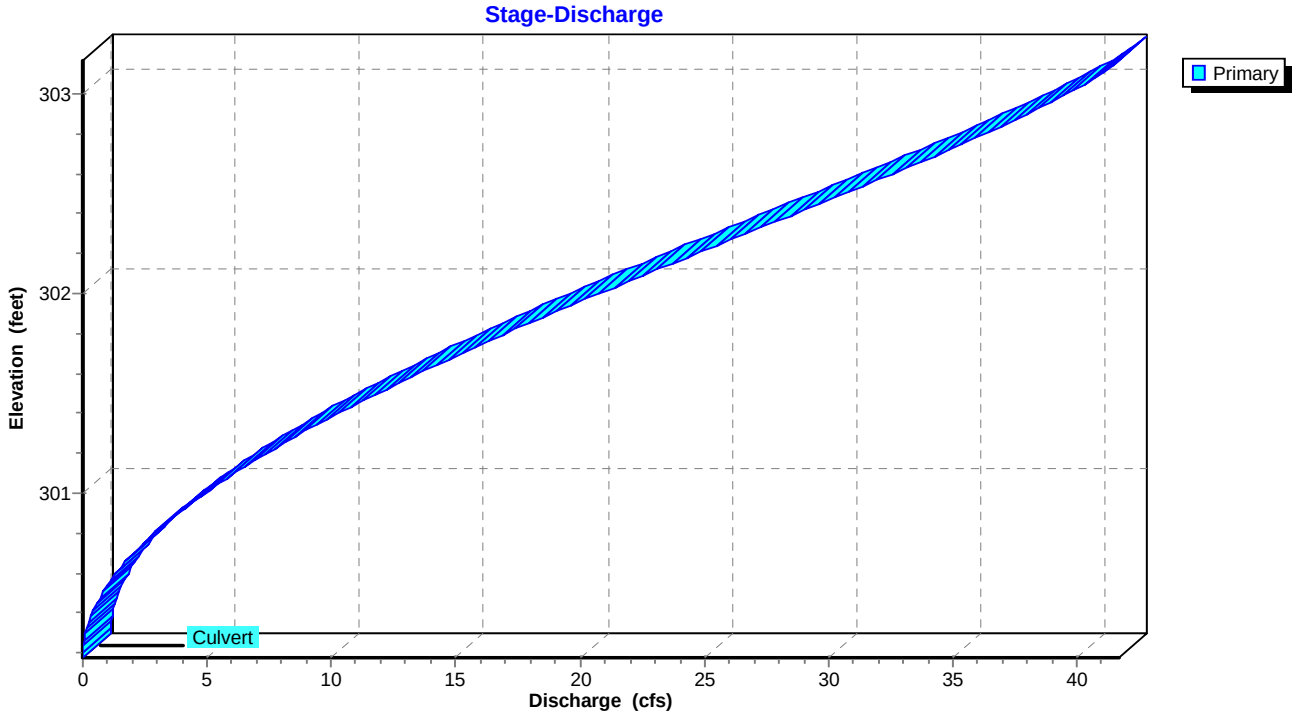
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=9.76 cfs @ 12.06 hrs HW=301.38' TW=300.57' (Dynamic Tailwater)
1=Culvert (Outlet Controls 9.76 cfs @ 5.43 fps)

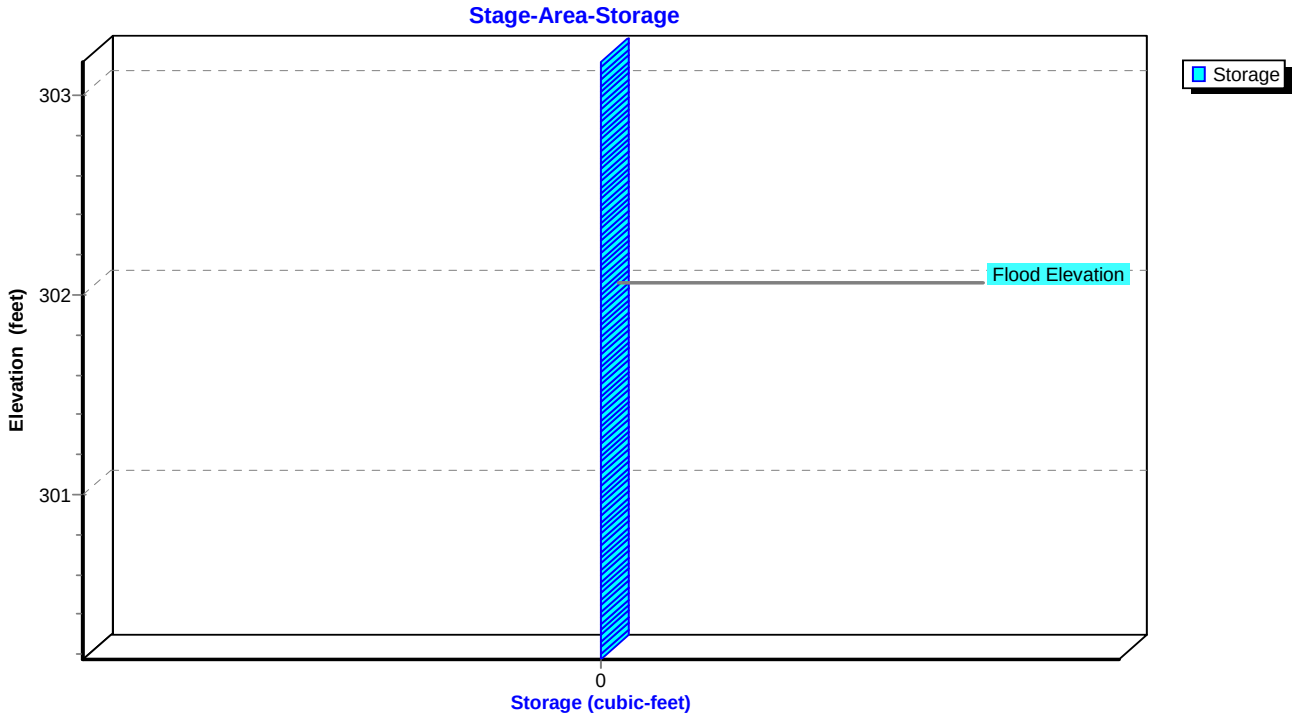
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.17	0.00
6.00	0.00	300.17	0.00
6.50	0.00	300.17	0.00
7.00	0.00	300.18	0.00
7.50	0.01	300.20	0.01
8.00	0.02	300.22	0.02
8.50	0.05	300.25	0.05
9.00	0.09	300.28	0.09
9.50	0.14	300.31	0.14
10.00	0.21	300.33	0.21
10.50	0.32	300.37	0.32
11.00	0.46	300.42	0.46
11.50	0.87	300.51	0.87
12.00	**8.11**	**301.25**	**8.11**
12.50	**2.44**	**300.74**	**2.44**
13.00	1.08	300.55	1.08
13.50	0.86	300.51	0.86
14.00	0.70	300.47	0.70
14.50	0.61	300.45	0.61
15.00	0.54	300.43	0.54
15.50	0.46	300.41	0.46
16.00	0.38	300.39	0.38
16.50	0.34	300.38	0.34
17.00	0.30	300.37	0.30
17.50	0.27	300.36	0.27
18.00	0.23	300.34	0.23
18.50	0.22	300.34	0.22
19.00	0.21	300.33	0.21
19.50	0.20	300.33	0.20
20.00	0.19	300.33	0.19
20.50	0.18	300.32	0.18
21.00	0.17	300.32	0.17
21.50	0.16	300.32	0.16
22.00	0.16	300.31	0.16
22.50	0.15	300.31	0.15
23.00	0.14	300.30	0.14
23.50	0.13	300.30	0.13
24.00	0.12	300.30	0.12

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

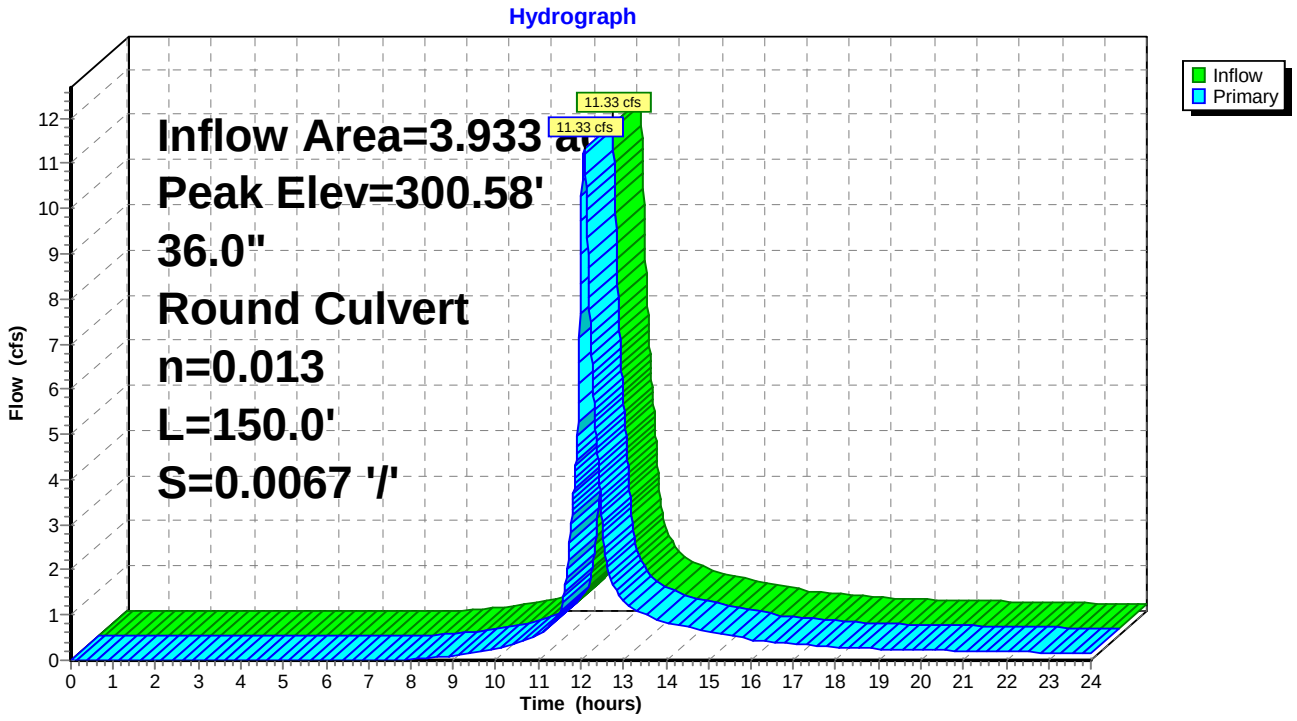
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 2.88" for 10-Year event
Inflow = 11.33 cfs @ 12.07 hrs, Volume= 0.942 af
Outflow = 11.33 cfs @ 12.07 hrs, Volume= 0.942 af, Atten= 0%, Lag= 0.0 min
Primary = 11.33 cfs @ 12.07 hrs, Volume= 0.942 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.58' @ 12.08 hrs
Flood Elev= 304.80'

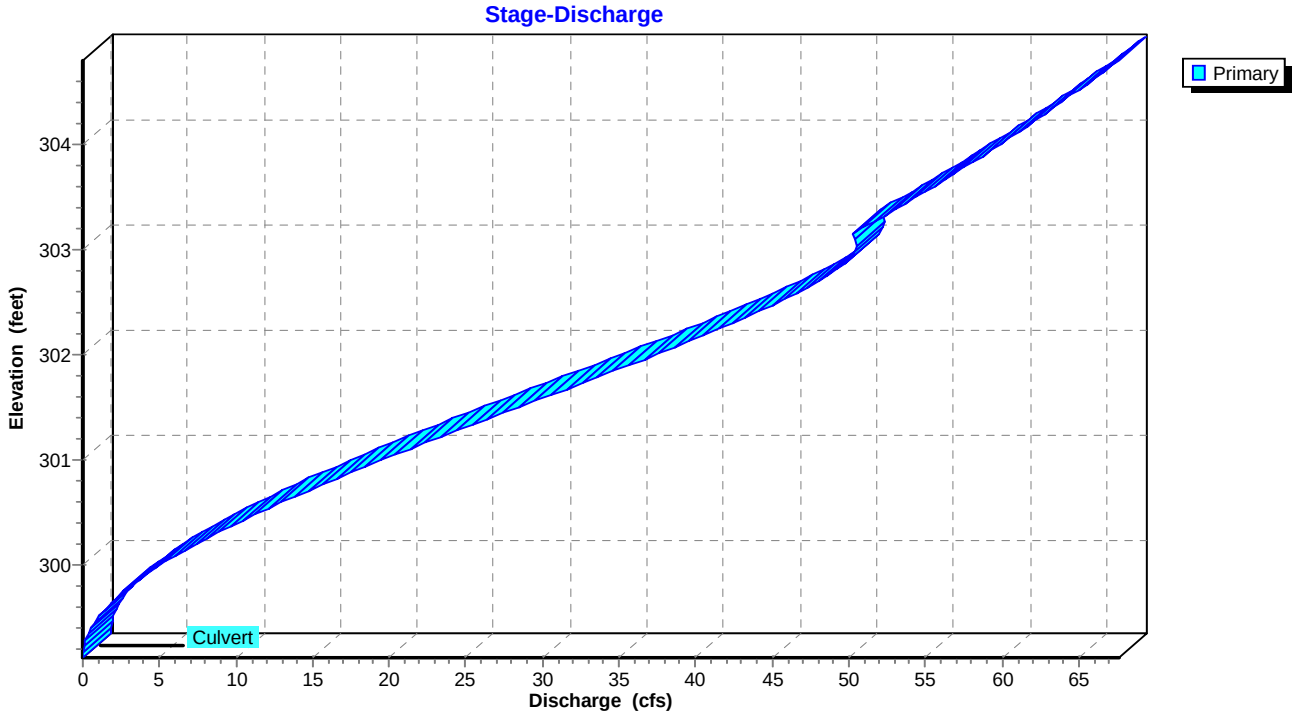
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=11.24 cfs @ 12.07 hrs HW=300.58' TW=299.51' (Dynamic Tailwater)
1=Culvert (Outlet Controls 11.24 cfs @ 4.81 fps)

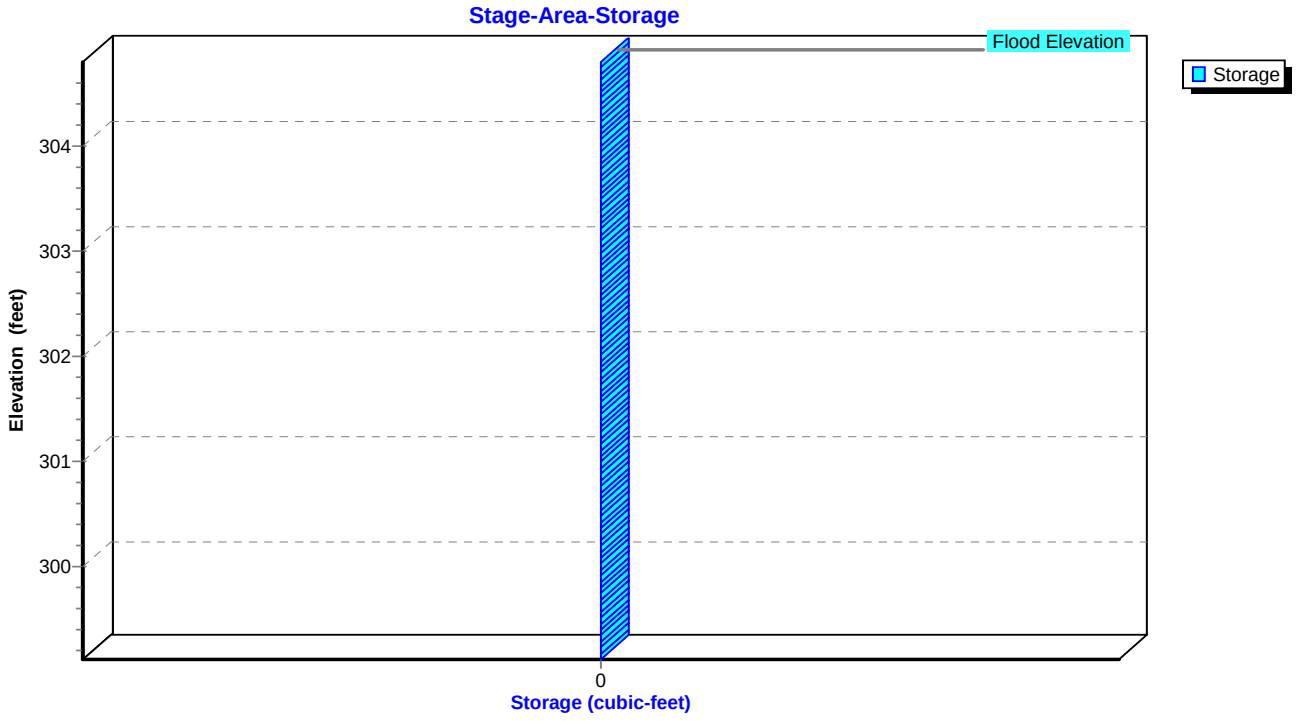
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.12	0.00
6.00	0.00	299.12	0.00
6.50	0.00	299.12	0.00
7.00	0.00	299.13	0.00
7.50	0.01	299.16	0.01
8.00	0.02	299.18	0.02
8.50	0.06	299.22	0.06
9.00	0.11	299.25	0.11
9.50	0.17	299.29	0.17
10.00	0.25	299.32	0.25
10.50	0.38	299.36	0.38
11.00	0.55	299.41	0.55
11.50	1.03	299.51	1.03
12.00	**9.02**	**300.37**	**9.02**
12.50	**3.08**	**299.82**	**3.08**
13.00	1.30	299.56	1.30
13.50	1.02	299.51	1.02
14.00	0.84	299.47	0.84
14.50	0.73	299.45	0.73
15.00	0.64	299.43	0.64
15.50	0.55	299.41	0.55
16.00	0.45	299.38	0.45
16.50	0.40	299.37	0.40
17.00	0.36	299.36	0.36
17.50	0.32	299.34	0.32
18.00	0.28	299.33	0.28
18.50	0.26	299.32	0.26
19.00	0.25	299.32	0.25
19.50	0.24	299.31	0.24
20.00	0.22	299.31	0.22
20.50	0.21	299.30	0.21
21.00	0.21	299.30	0.21
21.50	0.20	299.30	0.20
22.00	0.19	299.29	0.19
22.50	0.18	299.29	0.18
23.00	0.17	299.28	0.17
23.50	0.16	299.28	0.16
24.00	0.15	299.27	0.15

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

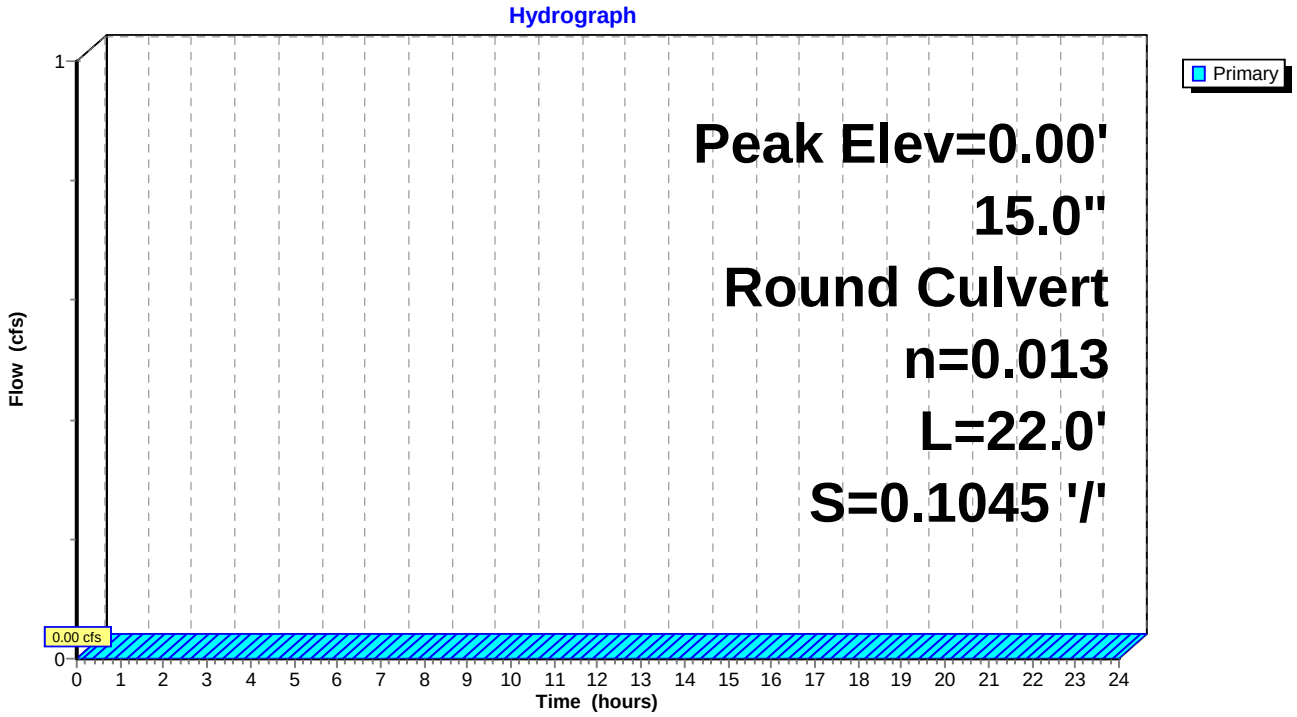
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

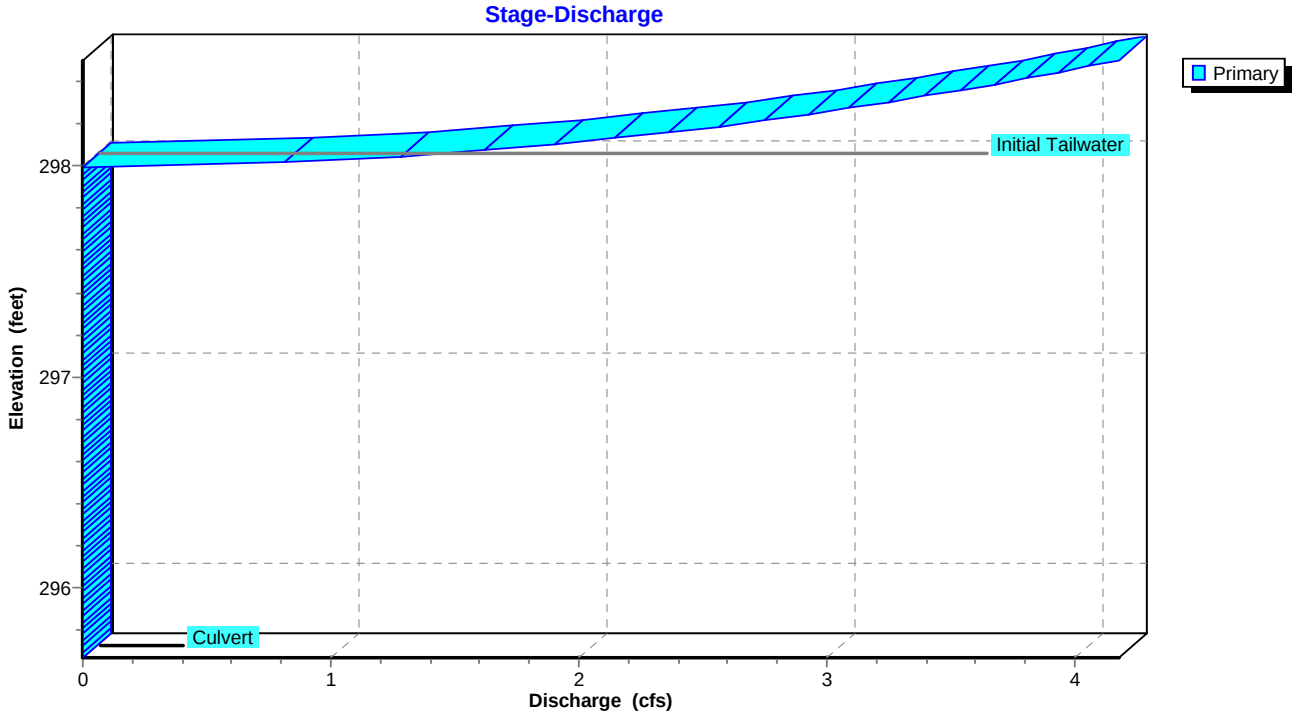
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

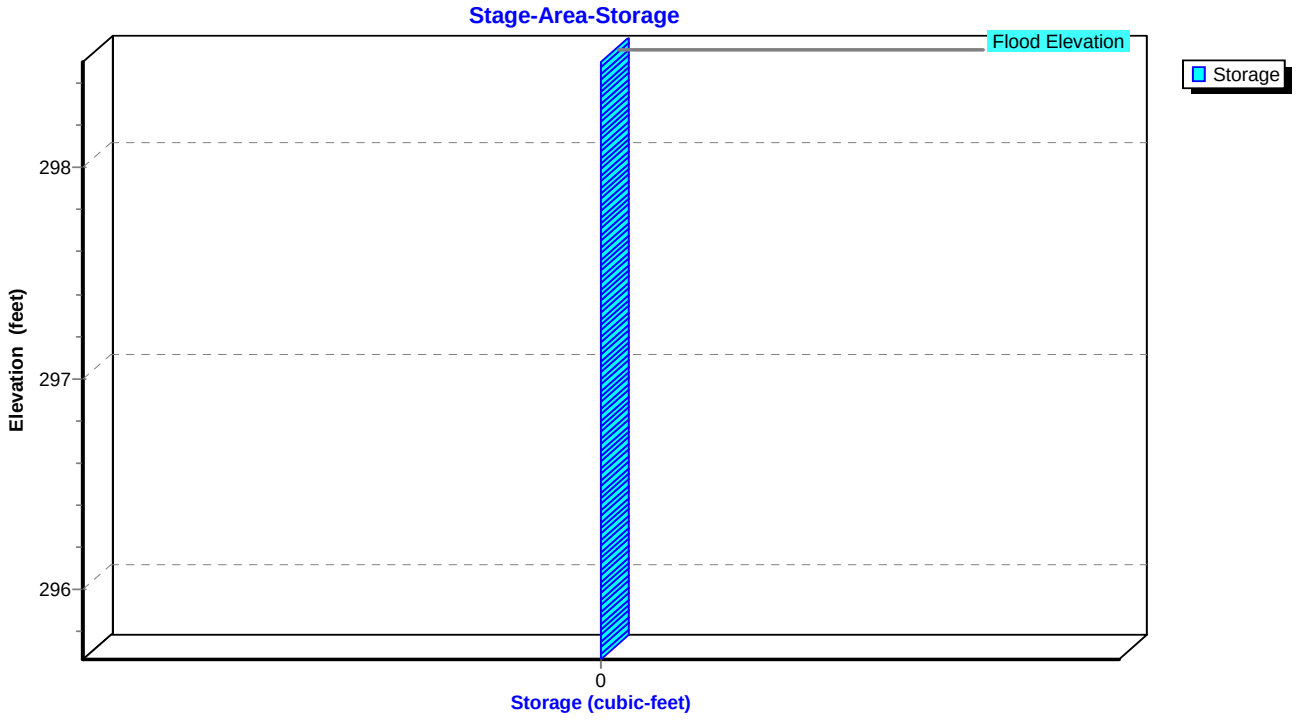
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

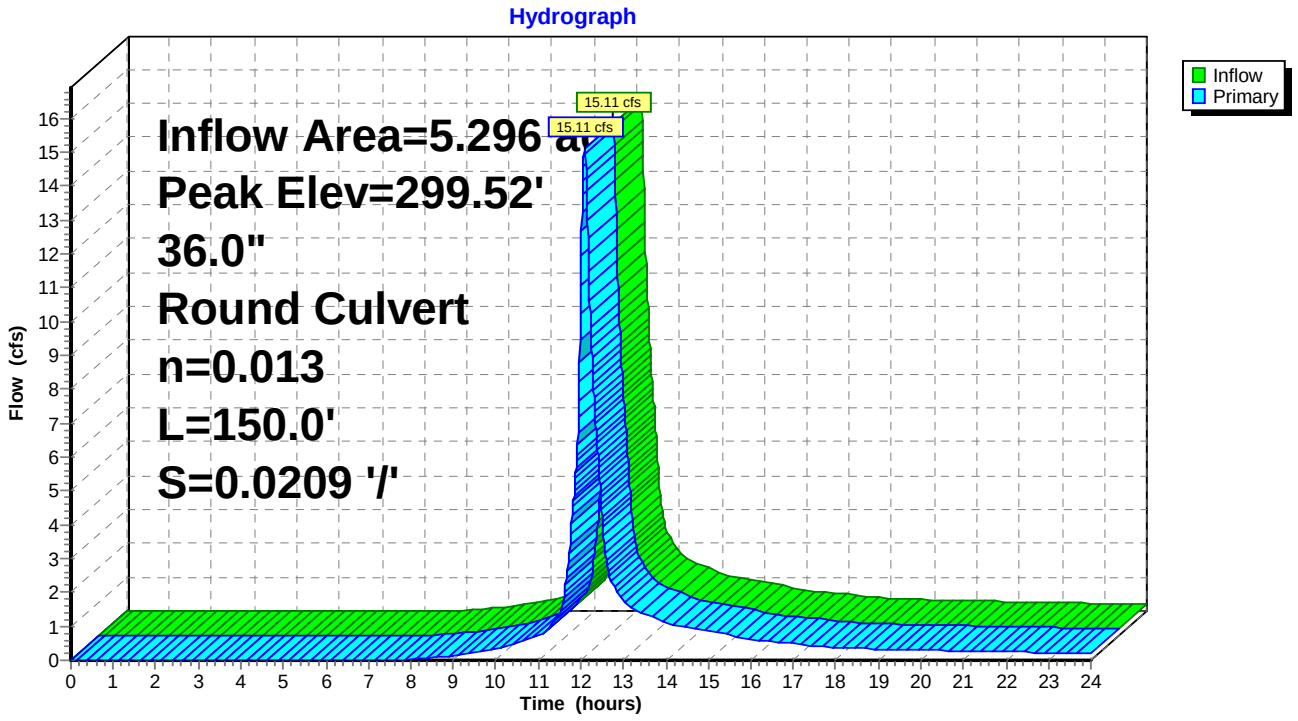
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 2.83" for 10-Year event
Inflow = 15.11 cfs @ 12.09 hrs, Volume= 1.250 af
Outflow = 15.11 cfs @ 12.09 hrs, Volume= 1.250 af, Atten= 0%, Lag= 0.0 min
Primary = 15.11 cfs @ 12.09 hrs, Volume= 1.250 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.52' @ 12.09 hrs
Flood Elev= 302.30'

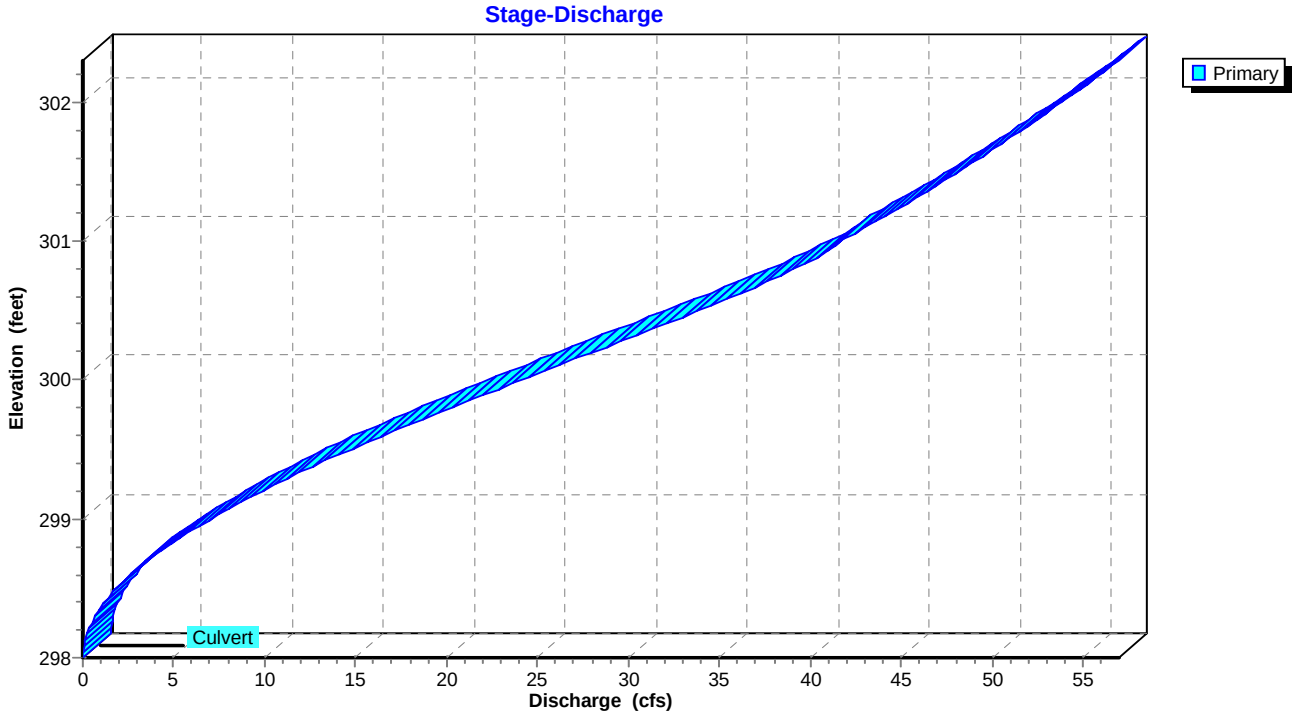
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=15.10 cfs @ 12.09 hrs HW=299.52' TW=296.30' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.10 cfs @ 4.20 fps)

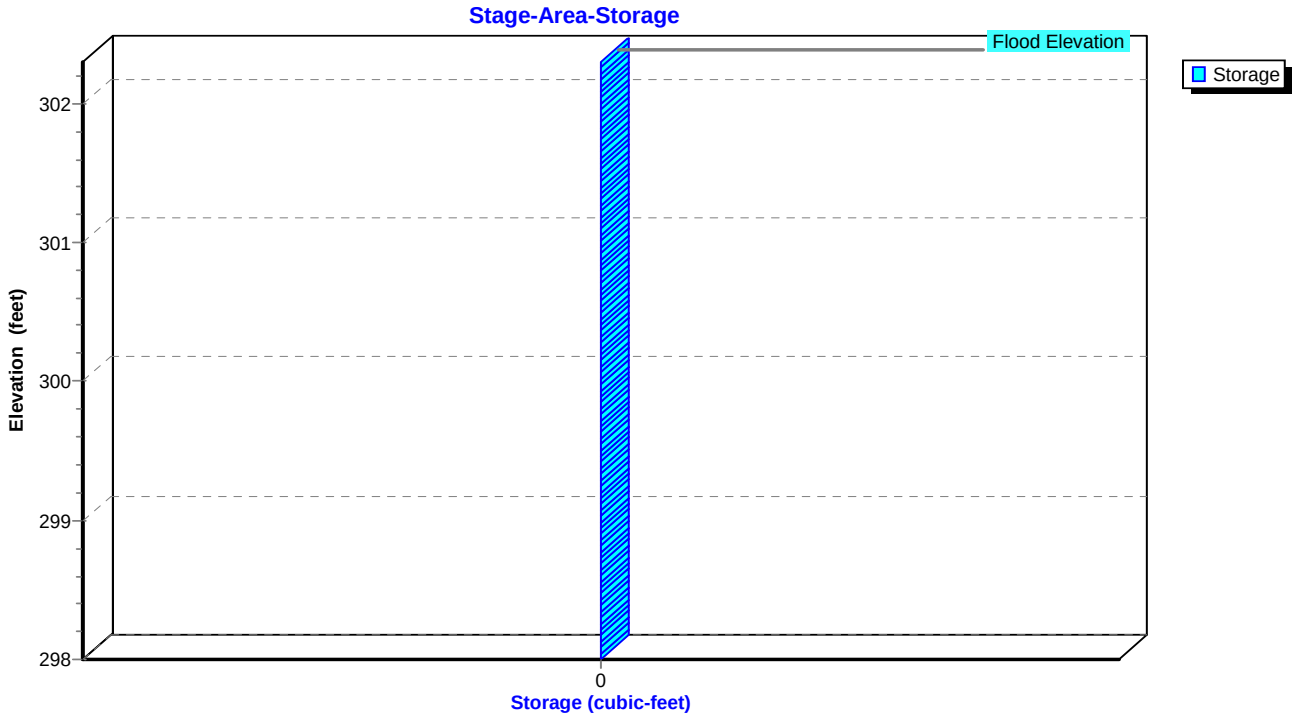
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.00	0.00
6.00	0.00	298.00	0.00
6.50	0.00	298.00	0.00
7.00	0.00	298.01	0.00
7.50	0.01	298.03	0.01
8.00	0.02	298.05	0.02
8.50	0.06	298.09	0.06
9.00	0.13	298.13	0.13
9.50	0.22	298.17	0.22
10.00	0.32	298.20	0.32
10.50	0.49	298.25	0.49
11.00	0.71	298.31	0.71
11.50	1.33	298.42	1.33
12.00	**11.07**	**299.28**	**11.07**
12.50	**4.26**	**298.77**	**4.26**
13.00	1.75	298.48	1.75
13.50	1.37	298.43	1.37
14.00	1.12	298.39	1.12
14.50	0.98	298.36	0.98
15.00	0.86	298.34	0.86
15.50	0.73	298.31	0.73
16.00	0.61	298.28	0.61
16.50	0.54	298.27	0.54
17.00	0.49	298.25	0.49
17.50	0.43	298.24	0.43
18.00	0.37	298.22	0.37
18.50	0.35	298.21	0.35
19.00	0.33	298.21	0.33
19.50	0.32	298.20	0.32
20.00	0.30	298.20	0.30
20.50	0.29	298.19	0.29
21.00	0.27	298.19	0.27
21.50	0.26	298.18	0.26
22.00	0.25	298.18	0.25
22.50	0.24	298.18	0.24
23.00	0.22	298.17	0.22
23.50	0.21	298.17	0.21
24.00	0.20	298.16	0.20

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

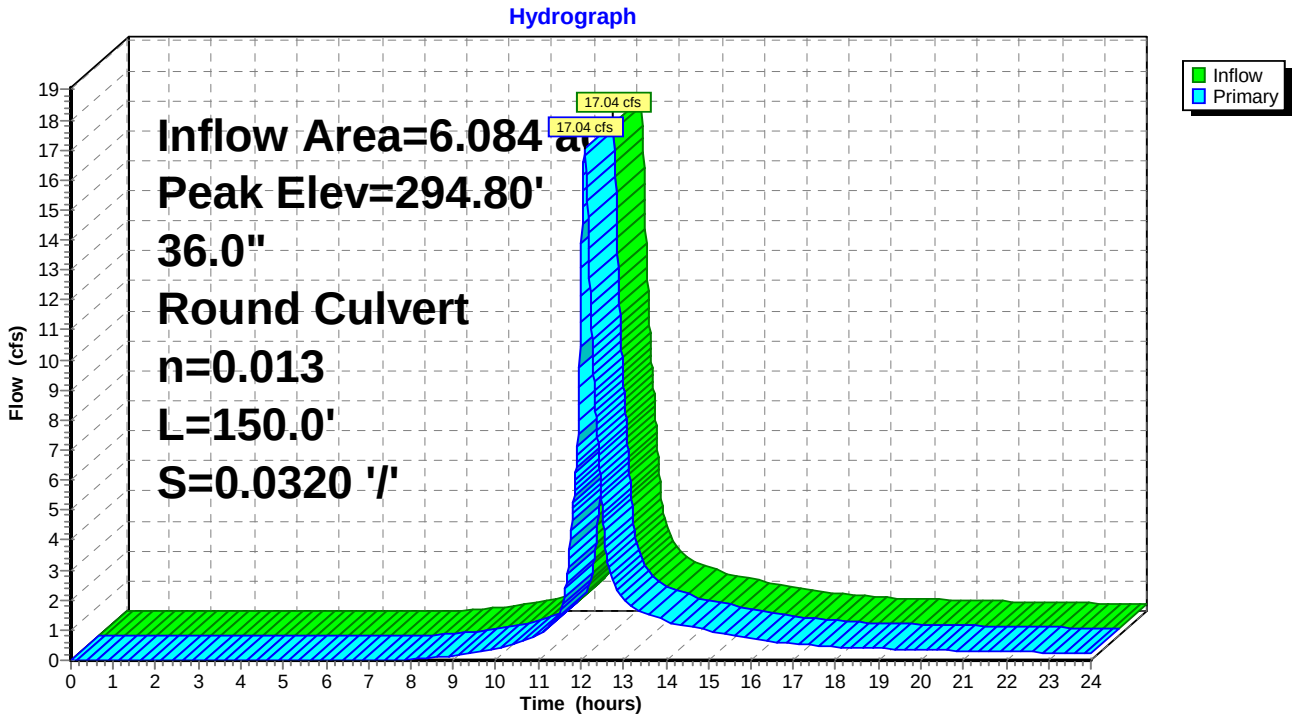
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 2.85" for 10-Year event
Inflow = 17.04 cfs @ 12.10 hrs, Volume= 1.445 af
Outflow = 17.04 cfs @ 12.10 hrs, Volume= 1.445 af, Atten= 0%, Lag= 0.0 min
Primary = 17.04 cfs @ 12.10 hrs, Volume= 1.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 294.80' @ 12.10 hrs
Flood Elev= 296.00'

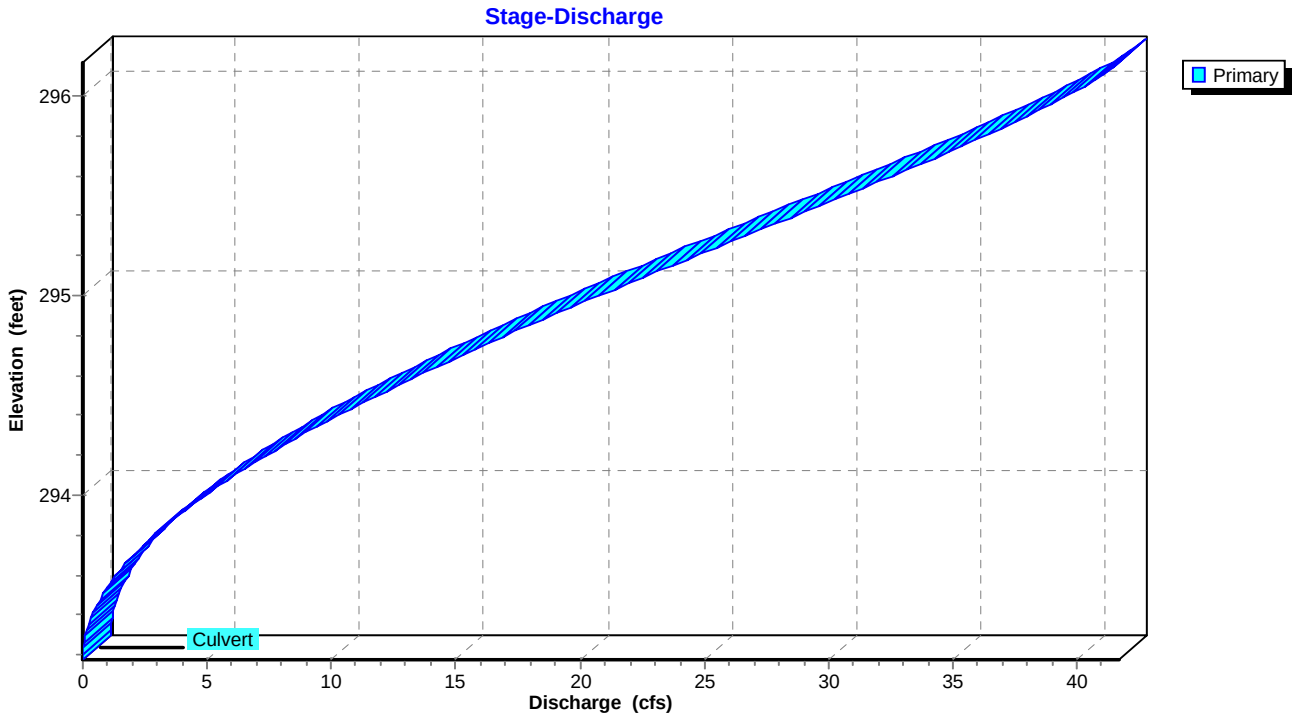
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.02 cfs @ 12.10 hrs HW=294.80' (Free Discharge)
1=Culvert (Inlet Controls 17.02 cfs @ 4.34 fps)

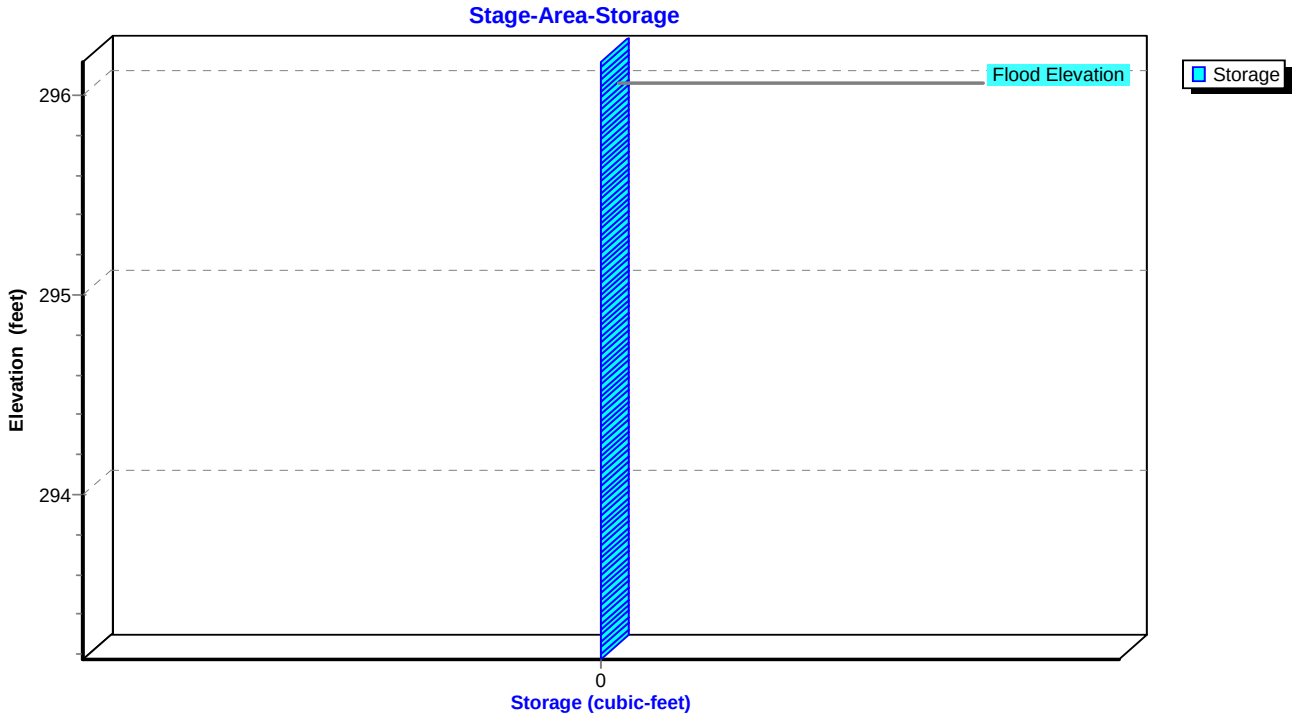
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.17	0.00
6.00	0.00	293.17	0.00
6.50	0.00	293.17	0.00
7.00	0.00	293.18	0.00
7.50	0.01	293.20	0.01
8.00	0.03	293.23	0.03
8.50	0.08	293.27	0.08
9.00	0.15	293.31	0.15
9.50	0.25	293.35	0.25
10.00	0.37	293.39	0.37
10.50	0.57	293.44	0.57
11.00	0.83	293.50	0.83
11.50	1.53	293.62	1.53
12.00	**12.14**	**294.52**	**12.14**
12.50	**5.13**	**294.02**	**5.13**
13.00	2.04	293.69	2.04
13.50	1.59	293.63	1.59
14.00	1.30	293.59	1.30
14.50	1.13	293.56	1.13
15.00	0.99	293.53	0.99
15.50	0.85	293.50	0.85
16.00	0.70	293.47	0.70
16.50	0.62	293.46	0.62
17.00	0.56	293.44	0.56
17.50	0.50	293.42	0.50
18.00	0.43	293.41	0.43
18.50	0.40	293.40	0.40
19.00	0.38	293.39	0.38
19.50	0.37	293.39	0.37
20.00	0.35	293.38	0.35
20.50	0.33	293.38	0.33
21.00	0.32	293.37	0.32
21.50	0.30	293.37	0.30
22.00	0.29	293.36	0.29
22.50	0.27	293.36	0.27
23.00	0.26	293.35	0.26
23.50	0.24	293.35	0.24
24.00	0.23	293.34	0.23

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

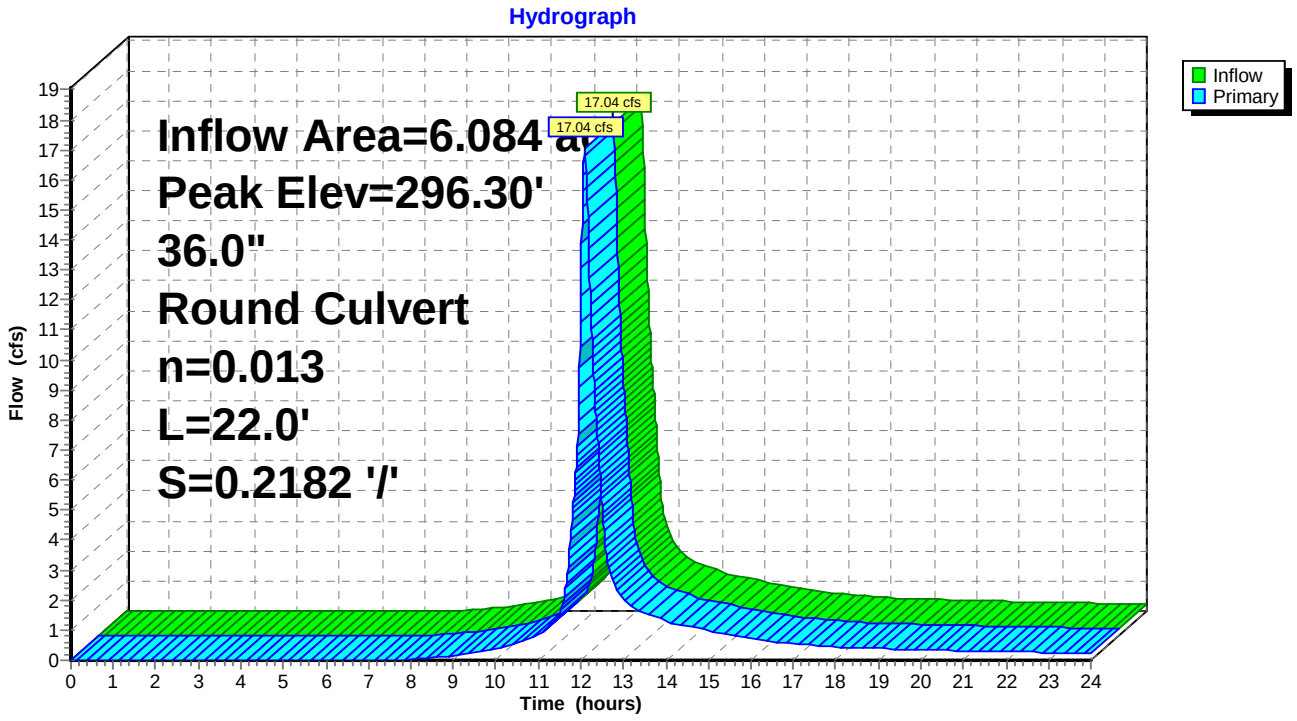
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 2.85" for 10-Year event
Inflow = 17.04 cfs @ 12.10 hrs, Volume= 1.445 af
Outflow = 17.04 cfs @ 12.10 hrs, Volume= 1.445 af, Atten= 0%, Lag= 0.0 min
Primary = 17.04 cfs @ 12.10 hrs, Volume= 1.445 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.30' @ 12.10 hrs
Flood Elev= 299.00'

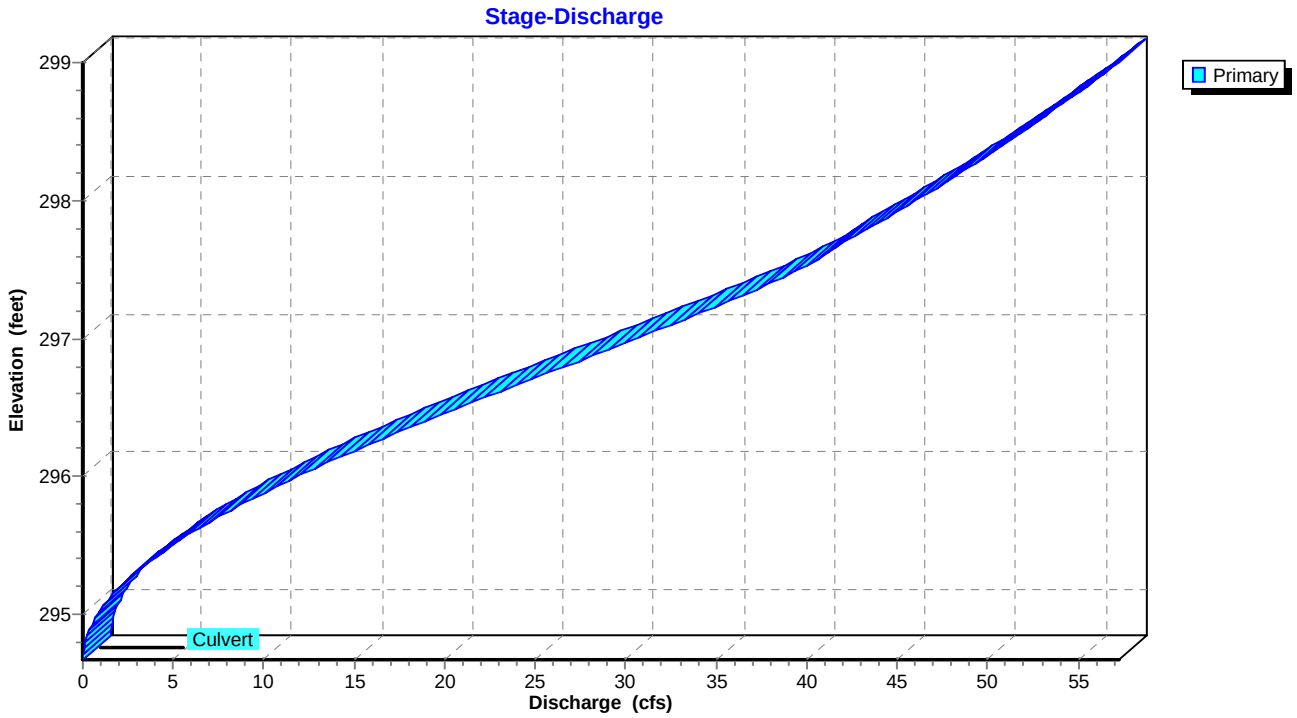
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.02 cfs @ 12.10 hrs HW=296.30' TW=294.80' (Dynamic Tailwater)
1=Culvert (Inlet Controls 17.02 cfs @ 4.34 fps)

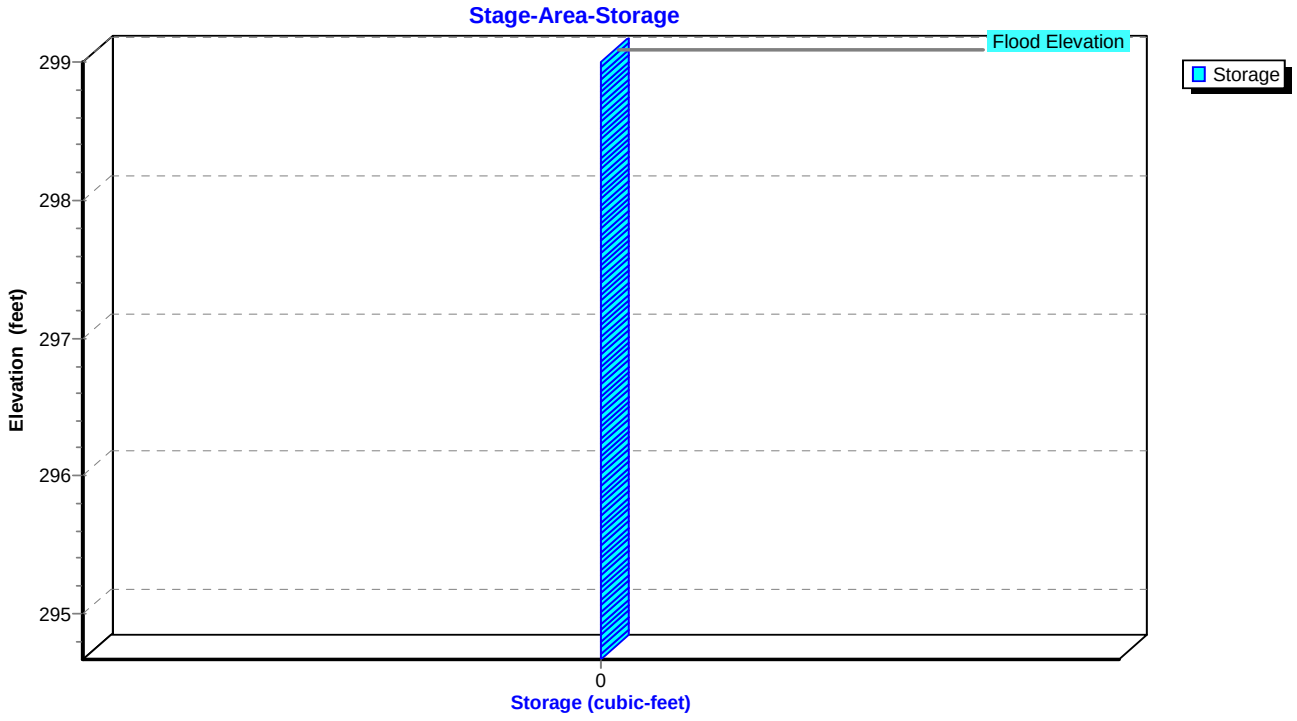
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.67	0.00
6.00	0.00	294.67	0.00
6.50	0.00	294.67	0.00
7.00	0.00	294.68	0.00
7.50	0.01	294.70	0.01
8.00	0.03	294.73	0.03
8.50	0.08	294.77	0.08
9.00	0.15	294.81	0.15
9.50	0.25	294.85	0.25
10.00	0.37	294.89	0.37
10.50	0.57	294.94	0.57
11.00	0.83	295.00	0.83
11.50	1.53	295.12	1.53
12.00	**12.14**	**296.02**	**12.14**
12.50	**5.13**	**295.52**	**5.13**
13.00	2.04	295.19	2.04
13.50	1.59	295.13	1.59
14.00	1.30	295.09	1.30
14.50	1.13	295.06	1.13
15.00	0.99	295.03	0.99
15.50	0.85	295.00	0.85
16.00	0.70	294.97	0.70
16.50	0.62	294.96	0.62
17.00	0.56	294.94	0.56
17.50	0.50	294.92	0.50
18.00	0.43	294.91	0.43
18.50	0.40	294.90	0.40
19.00	0.38	294.89	0.38
19.50	0.37	294.89	0.37
20.00	0.35	294.88	0.35
20.50	0.33	294.88	0.33
21.00	0.32	294.87	0.32
21.50	0.30	294.87	0.30
22.00	0.29	294.86	0.29
22.50	0.27	294.86	0.27
23.00	0.26	294.85	0.26
23.50	0.24	294.85	0.24
24.00	0.23	294.84	0.23

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

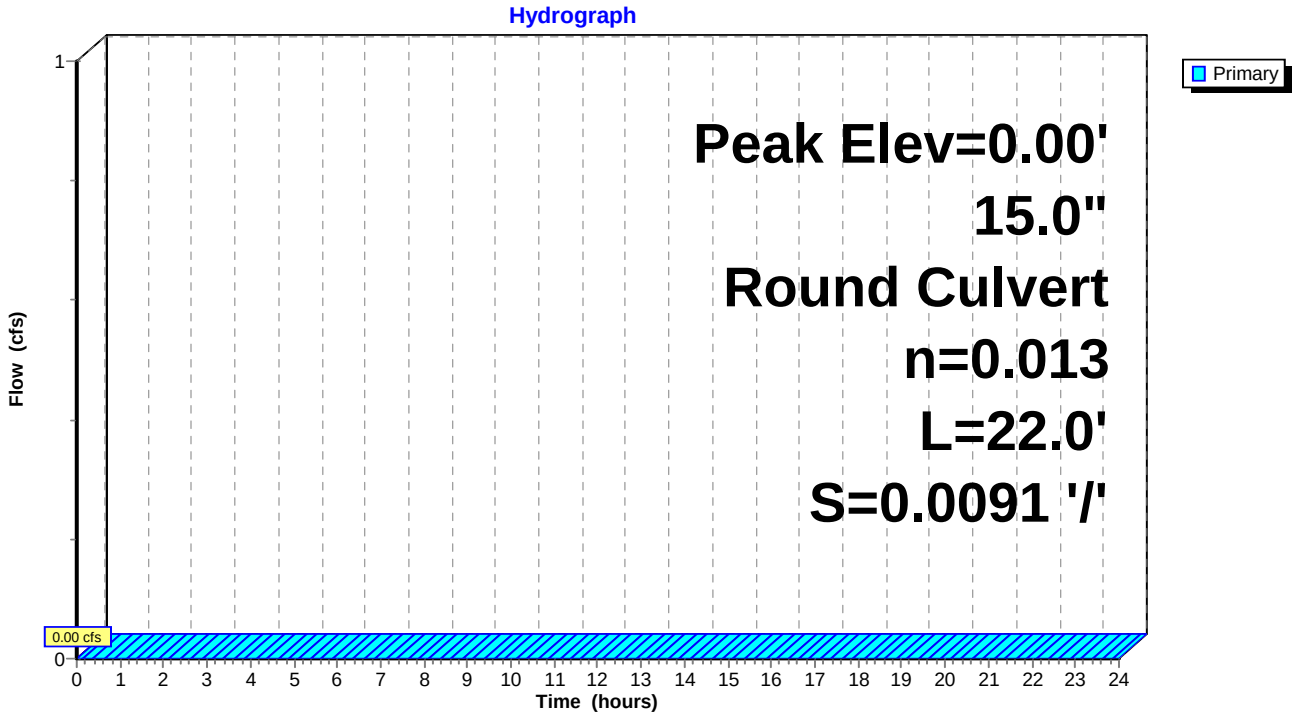
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

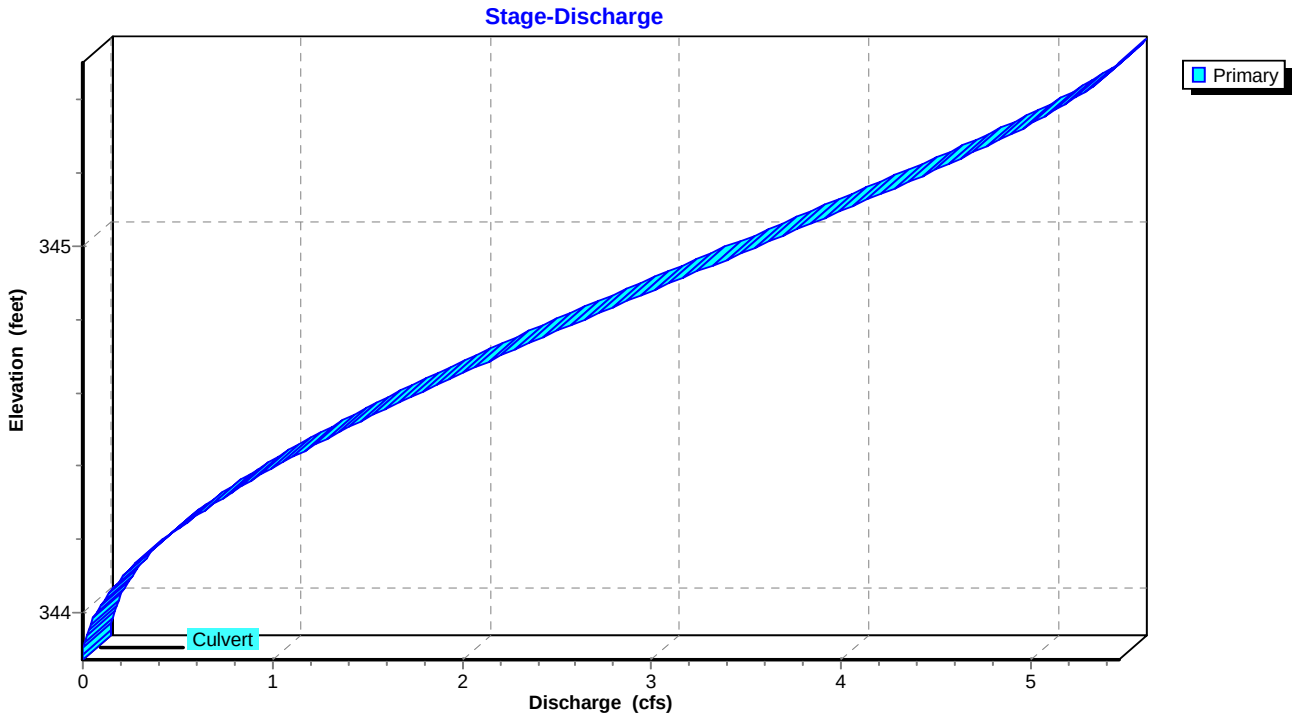
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

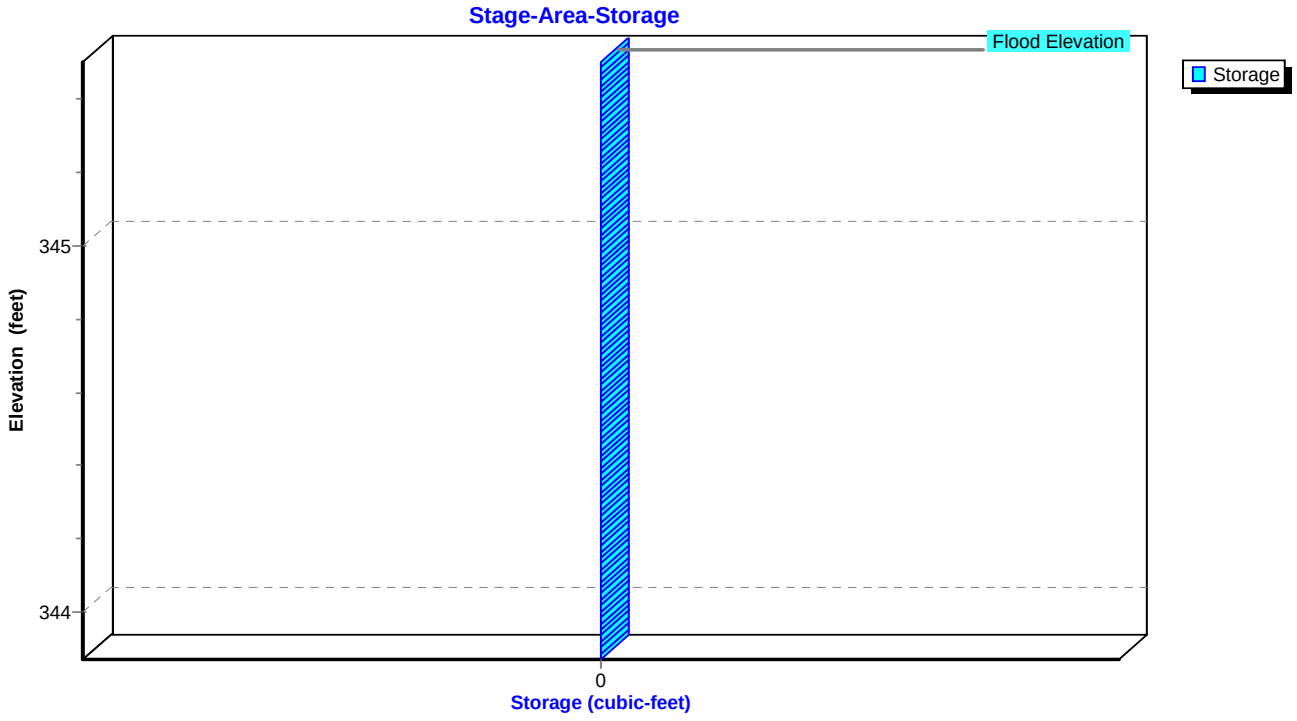
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

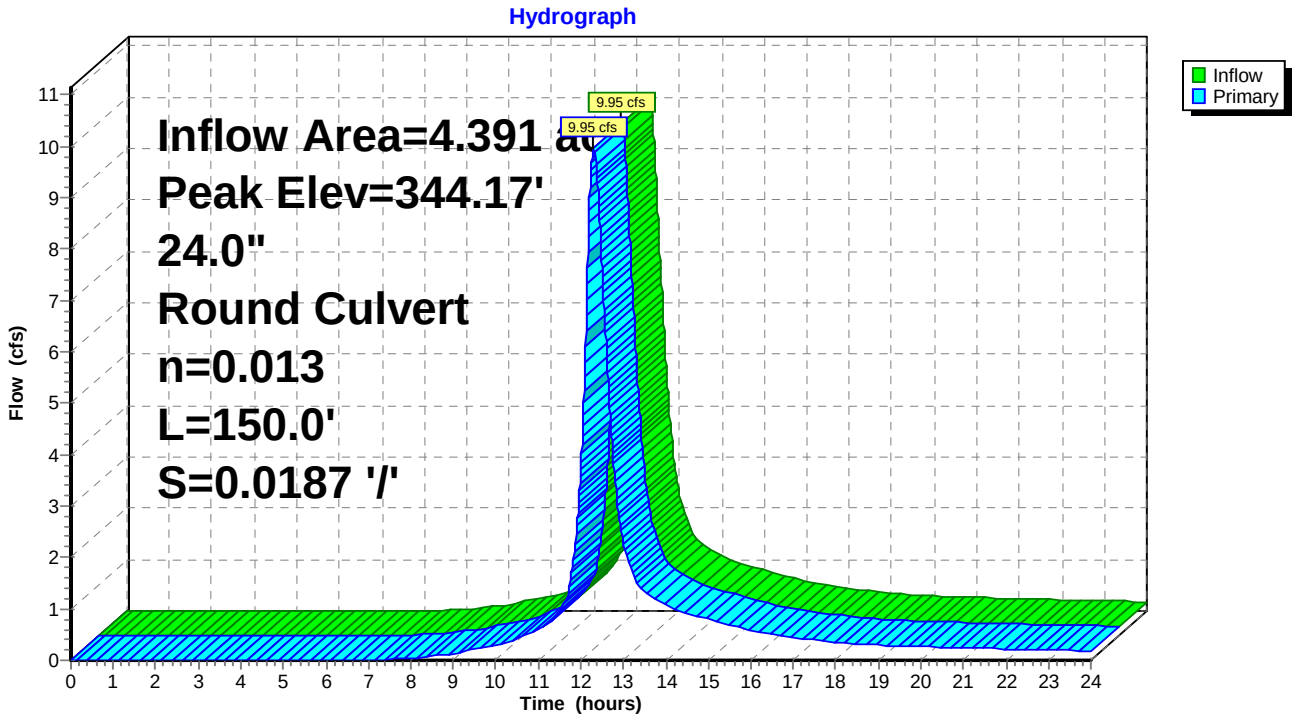
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af
Outflow = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af, Atten= 0%, Lag= 0.0 min
Primary = 9.95 cfs @ 12.30 hrs, Volume= 1.121 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.17' @ 12.30 hrs
Flood Elev= 347.00'

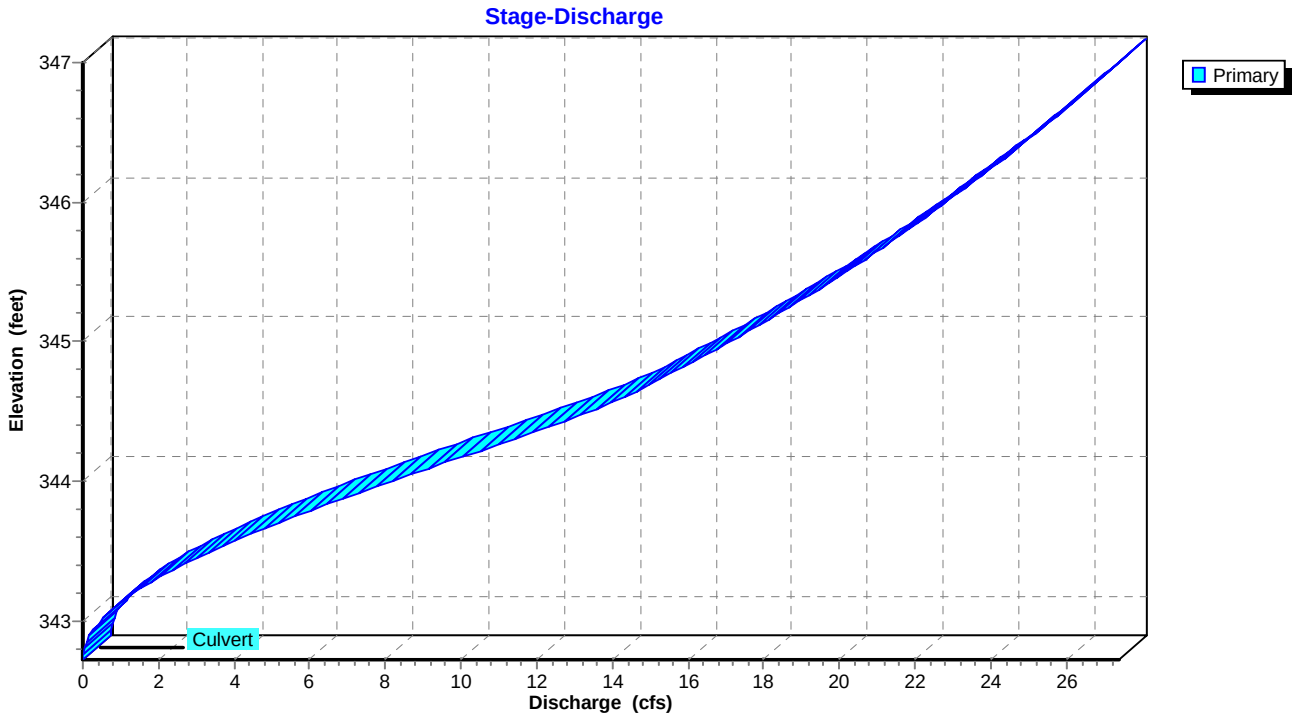
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=9.95 cfs @ 12.30 hrs HW=344.17' TW=341.38' (Dynamic Tailwater)
1=Culvert (Inlet Controls 9.95 cfs @ 4.09 fps)

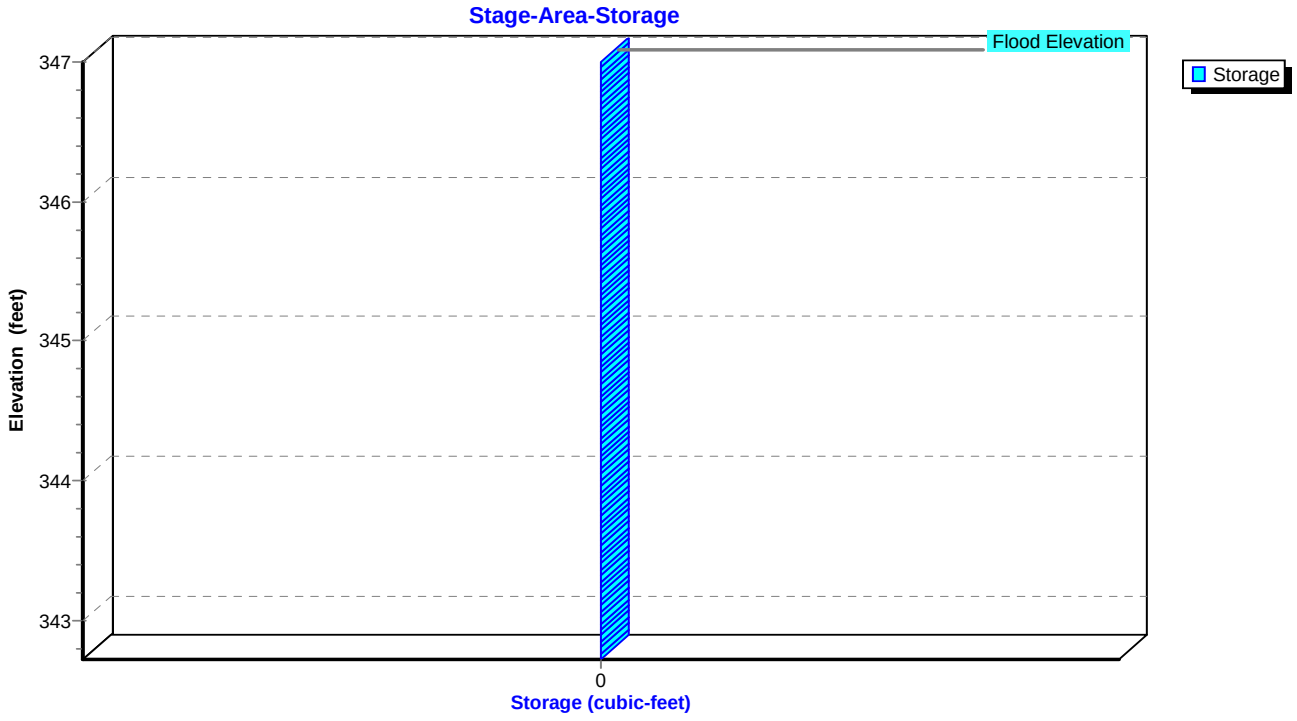
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.00	342.72	0.00
6.00	0.00	342.72	0.00
6.50	0.00	342.72	0.00
7.00	0.00	342.74	0.00
7.50	0.01	342.77	0.01
8.00	0.04	342.80	0.04
8.50	0.08	342.83	0.08
9.00	0.13	342.87	0.13
9.50	0.21	342.90	0.21
10.00	0.30	342.94	0.30
10.50	0.42	342.98	0.42
11.00	0.60	343.03	0.60
11.50	0.96	343.12	0.96
12.00	**3.71**	**343.54**	**3.71**
12.50	**7.62**	**343.95**	**7.62**
13.00	2.30	343.35	2.30
13.50	1.34	343.19	1.34
14.00	1.08	343.14	1.08
14.50	0.90	343.11	0.90
15.00	0.79	343.08	0.79
15.50	0.69	343.06	0.69
16.00	0.58	343.03	0.58
16.50	0.49	343.00	0.49
17.00	0.44	342.99	0.44
17.50	0.39	342.97	0.39
18.00	0.35	342.96	0.35
18.50	0.31	342.94	0.31
19.00	0.29	342.94	0.29
19.50	0.28	342.93	0.28
20.00	0.27	342.93	0.27
20.50	0.25	342.92	0.25
21.00	0.24	342.92	0.24
21.50	0.23	342.91	0.23
22.00	0.22	342.91	0.22
22.50	0.21	342.90	0.21
23.00	0.20	342.90	0.20
23.50	0.19	342.89	0.19
24.00	0.18	342.89	0.18

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

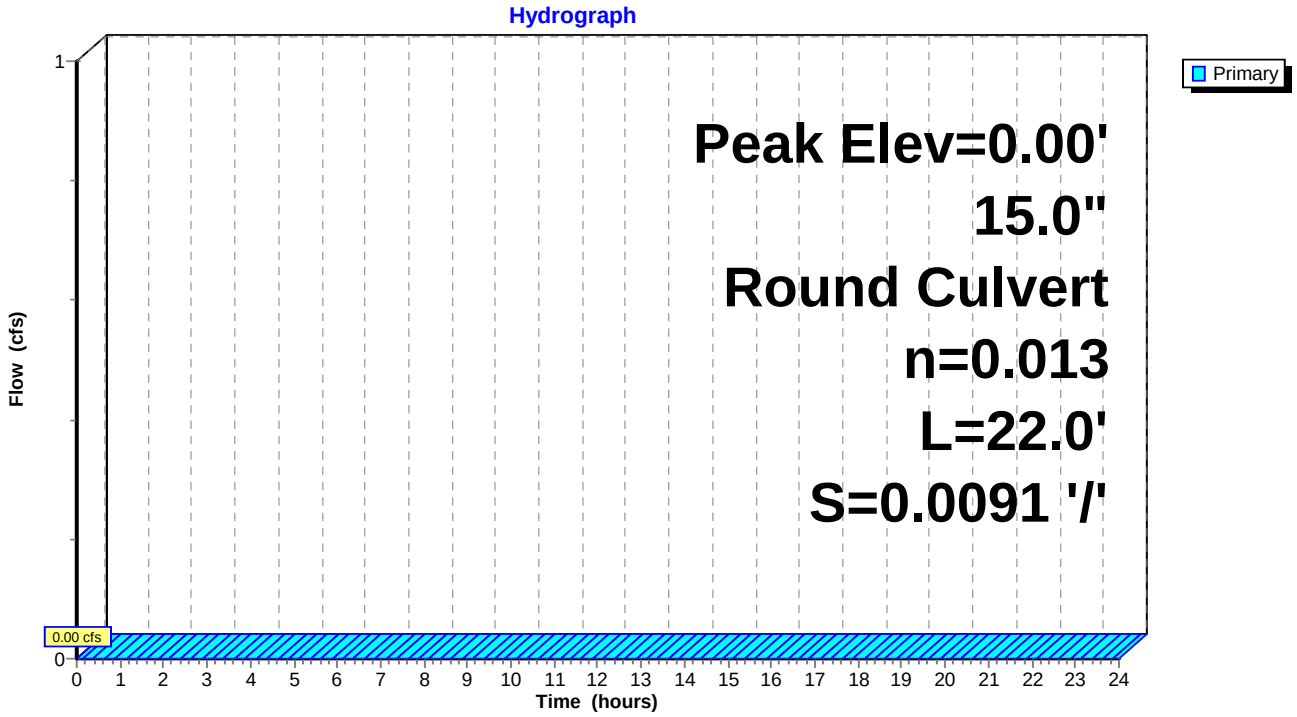
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

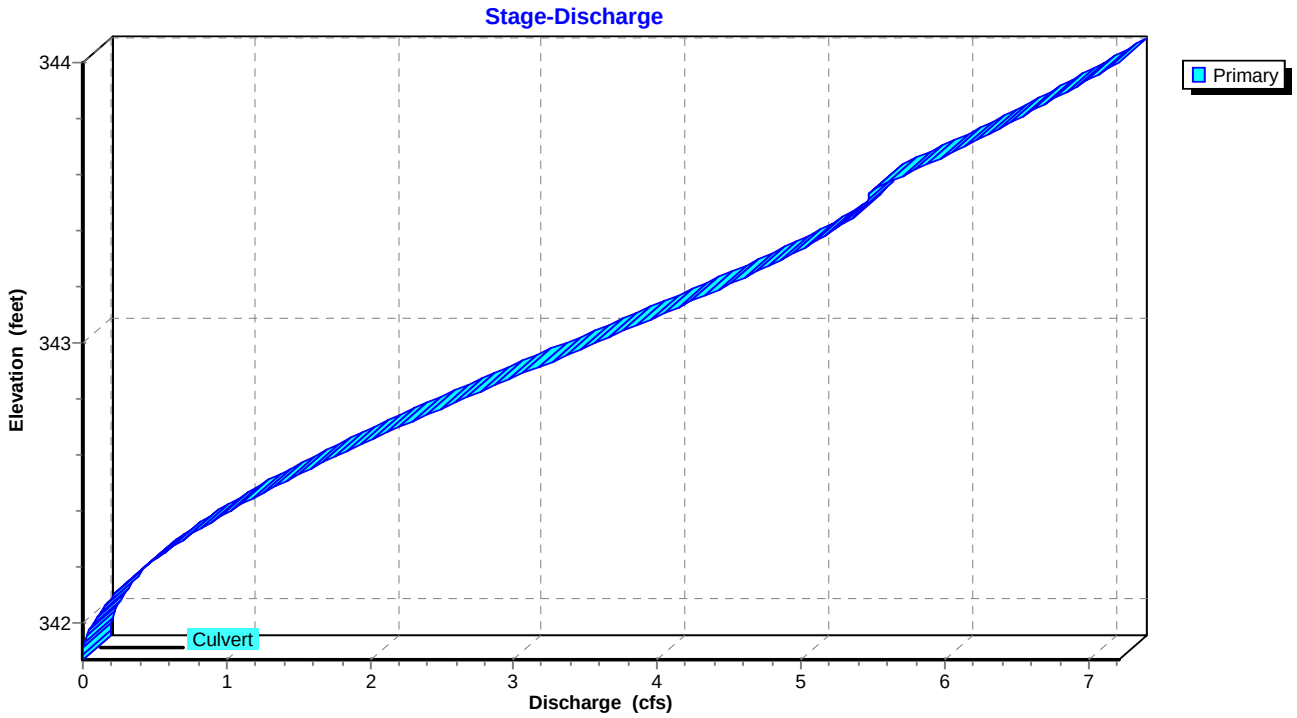
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

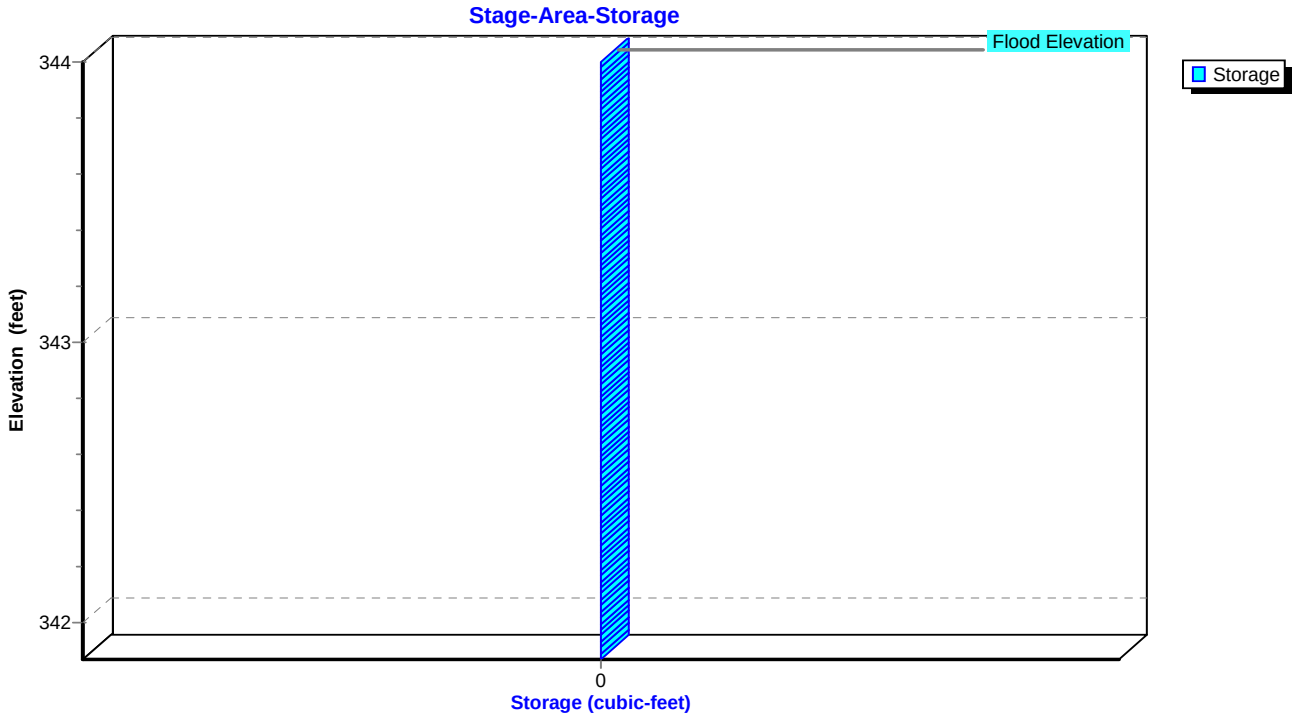
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

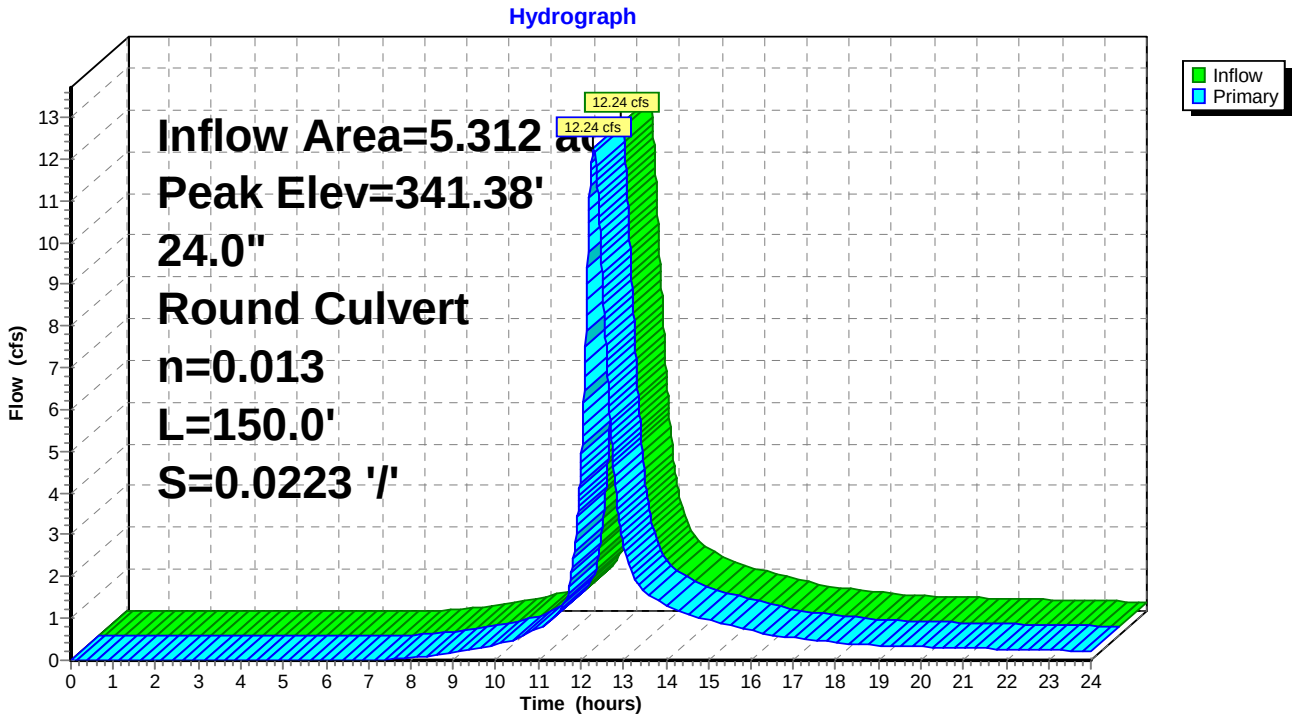
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 3.10" for 10-Year event
Inflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af
Outflow = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af, Atten= 0%, Lag= 0.0 min
Primary = 12.24 cfs @ 12.30 hrs, Volume= 1.370 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 341.38' @ 12.30 hrs
Flood Elev= 345.00'

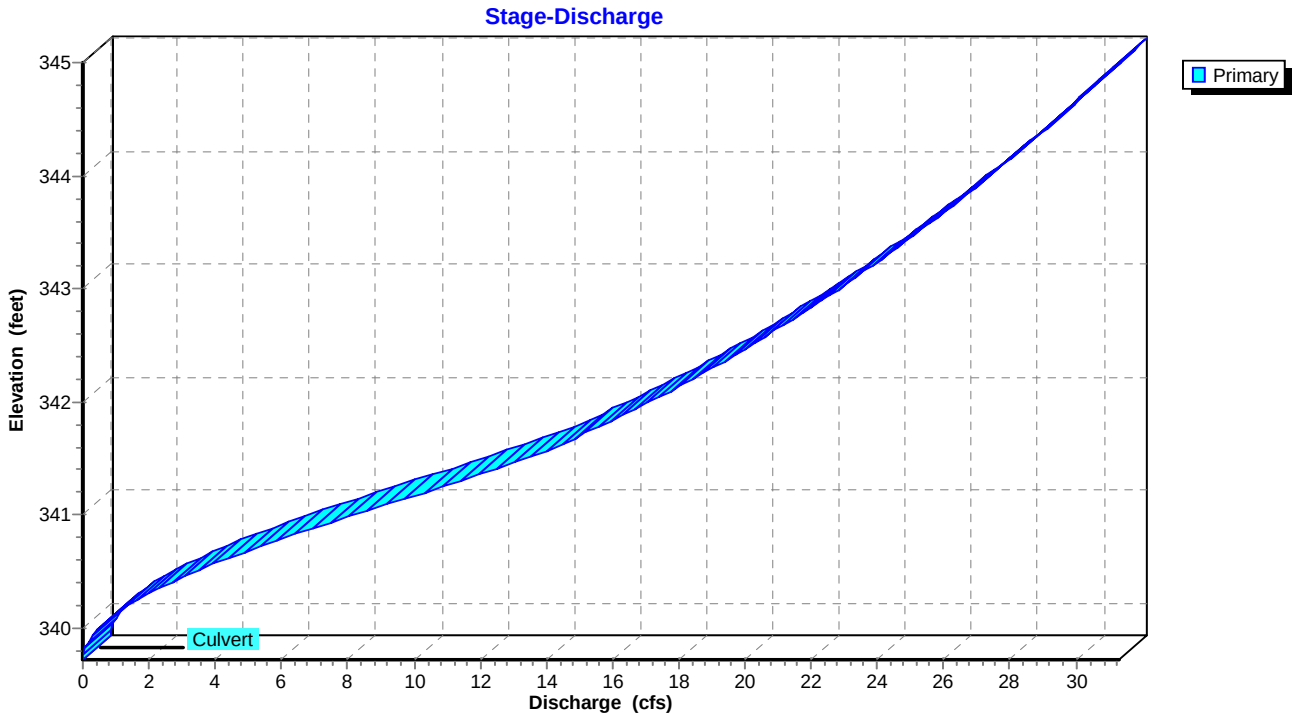
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.24 cfs @ 12.30 hrs HW=341.38' TW=336.28' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 12.24 cfs @ 4.39 fps)

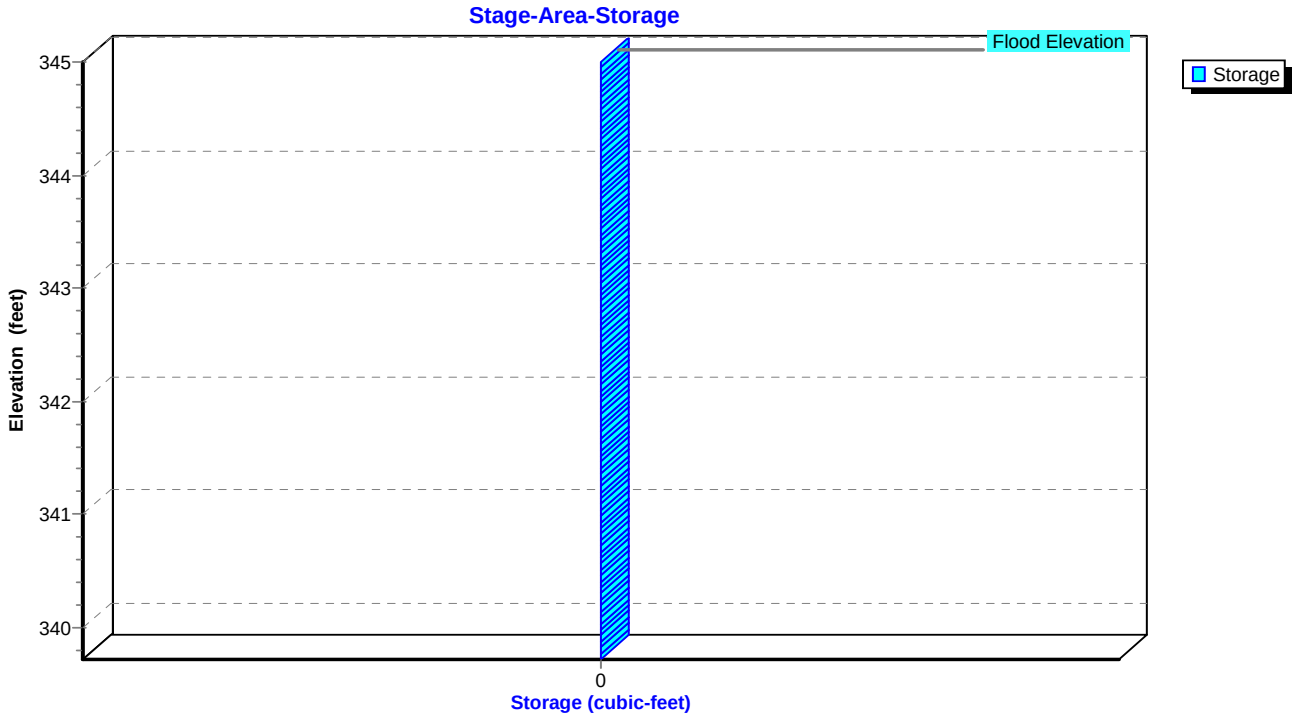
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.72	0.00
5.50	0.00	339.72	0.00
6.00	0.00	339.72	0.00
6.50	0.00	339.73	0.00
7.00	0.01	339.75	0.01
7.50	0.02	339.78	0.02
8.00	0.06	339.81	0.06
8.50	0.10	339.85	0.10
9.00	0.17	339.89	0.17
9.50	0.26	339.93	0.26
10.00	0.37	339.97	0.37
10.50	0.53	340.01	0.53
11.00	0.75	340.07	0.75
11.50	1.19	340.17	1.19
12.00	**4.58**	**340.64**	**4.58**
12.50	**9.28**	**341.10**	**9.28**
13.00	2.78	340.42	2.78
13.50	1.62	340.25	1.62
14.00	1.32	340.19	1.32
14.50	1.10	340.15	1.10
15.00	0.96	340.12	0.96
15.50	0.83	340.09	0.83
16.00	0.70	340.06	0.70
16.50	0.60	340.03	0.60
17.00	0.54	340.02	0.54
17.50	0.48	340.00	0.48
18.00	0.42	339.98	0.42
18.50	0.38	339.97	0.38
19.00	0.36	339.96	0.36
19.50	0.34	339.95	0.34
20.00	0.32	339.95	0.32
20.50	0.31	339.94	0.31
21.00	0.29	339.94	0.29
21.50	0.28	339.93	0.28
22.00	0.27	339.93	0.27
22.50	0.25	339.92	0.25
23.00	0.24	339.92	0.24
23.50	0.23	339.91	0.23
24.00	0.21	339.91	0.21

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

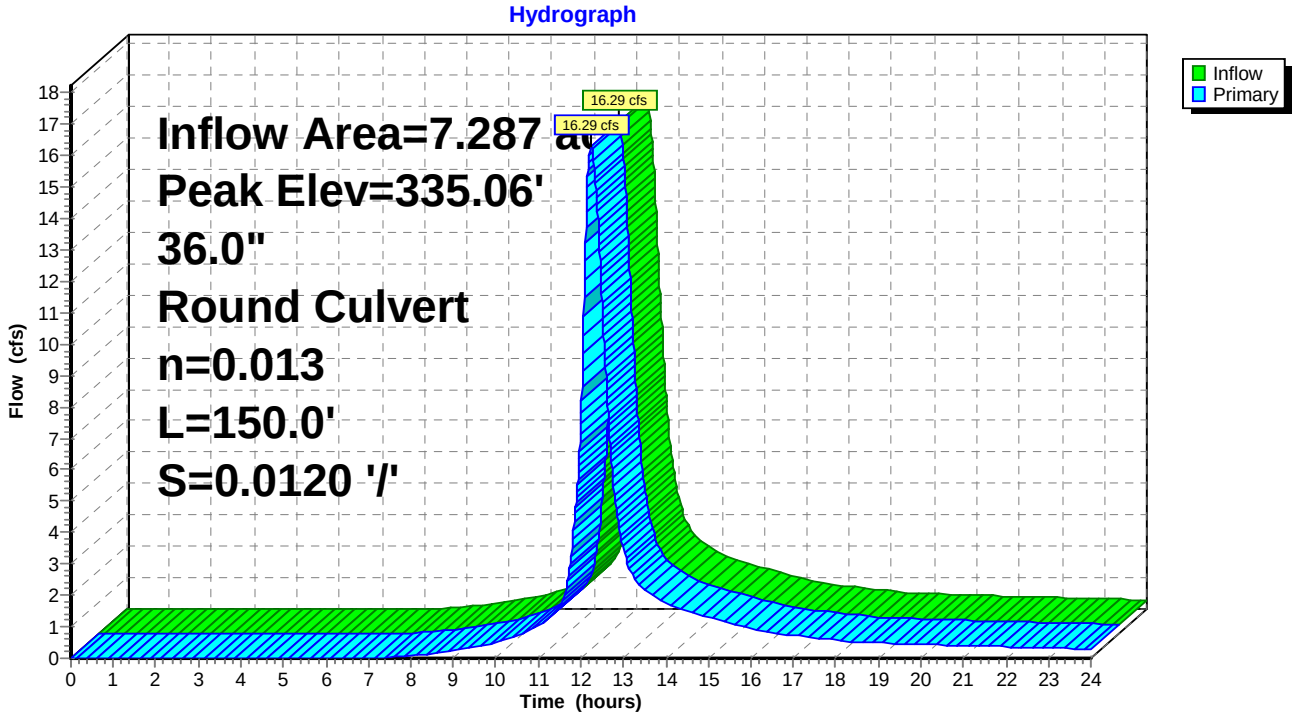
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.06' @ 12.24 hrs
Flood Elev= 337.75'

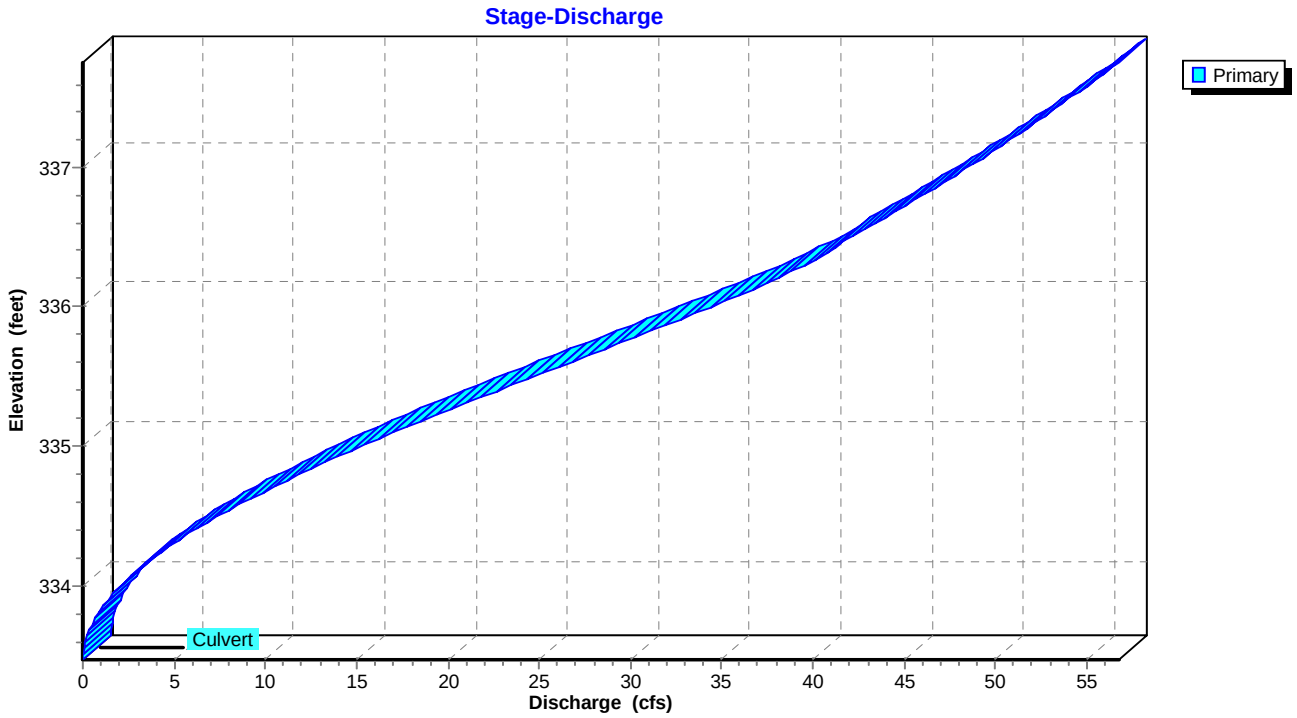
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=16.29 cfs @ 12.24 hrs HW=335.06' TW=331.79' (Dynamic Tailwater)
1=Culvert (Inlet Controls 16.29 cfs @ 4.29 fps)

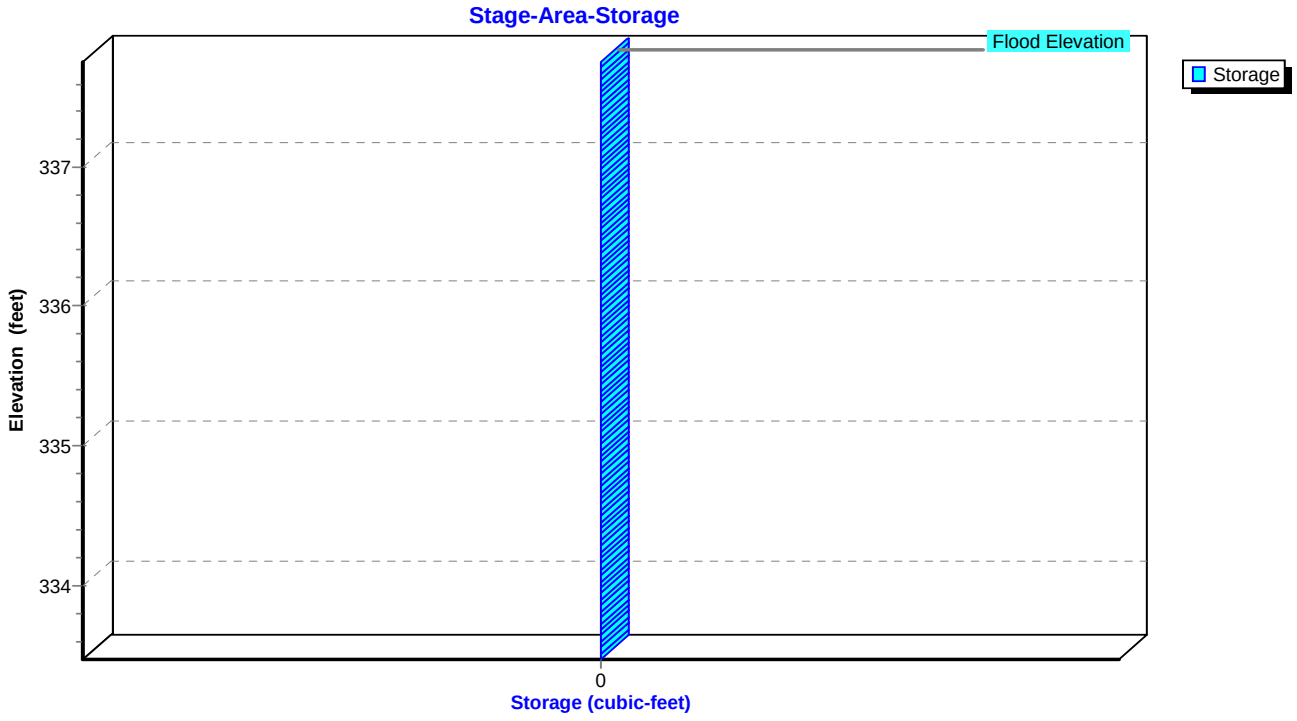
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.48	0.00
7.00	0.01	333.50	0.01
7.50	0.03	333.53	0.03
8.00	0.07	333.57	0.07
8.50	0.14	333.60	0.14
9.00	0.23	333.64	0.23
9.50	0.36	333.69	0.36
10.00	0.51	333.73	0.51
10.50	0.73	333.78	0.73
11.00	1.04	333.84	1.04
11.50	1.70	333.95	1.70
12.00	**7.45**	**334.50**	**7.45**
12.50	**11.34**	**334.77**	**11.34**
13.00	3.49	334.16	3.49
13.50	2.16	334.01	2.16
14.00	1.76	333.96	1.76
14.50	1.48	333.91	1.48
15.00	1.30	333.89	1.30
15.50	1.12	333.86	1.12
16.00	0.94	333.82	0.94
16.50	0.81	333.80	0.81
17.00	0.72	333.78	0.72
17.50	0.64	333.76	0.64
18.00	0.57	333.74	0.57
18.50	0.51	333.73	0.51
19.00	0.49	333.72	0.49
19.50	0.46	333.72	0.46
20.00	0.44	333.71	0.44
20.50	0.42	333.70	0.42
21.00	0.40	333.70	0.40
21.50	0.38	333.69	0.38
22.00	0.36	333.69	0.36
22.50	0.34	333.68	0.34
23.00	0.33	333.68	0.33
23.50	0.31	333.67	0.31
24.00	0.29	333.66	0.29

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

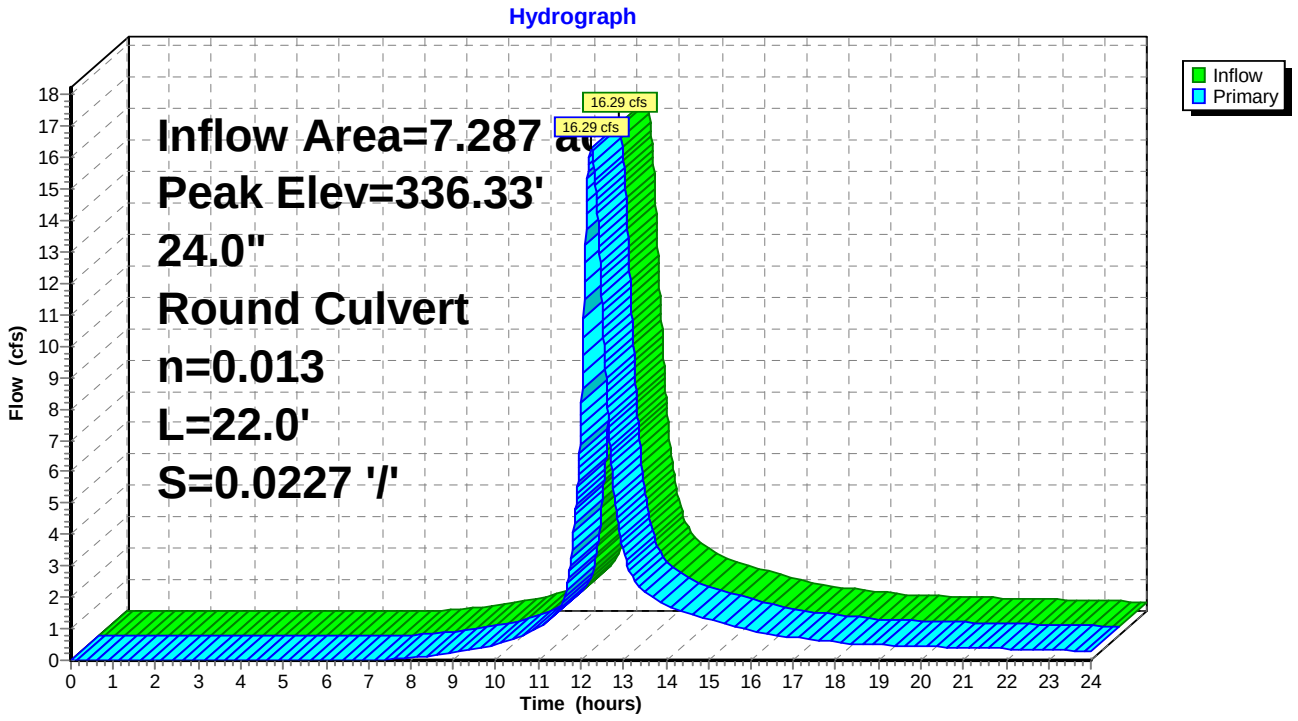
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.06" for 10-Year event
Inflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af
Outflow = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af, Atten= 0%, Lag= 0.0 min
Primary = 16.29 cfs @ 12.24 hrs, Volume= 1.861 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.33' @ 12.24 hrs
Flood Elev= 339.50'

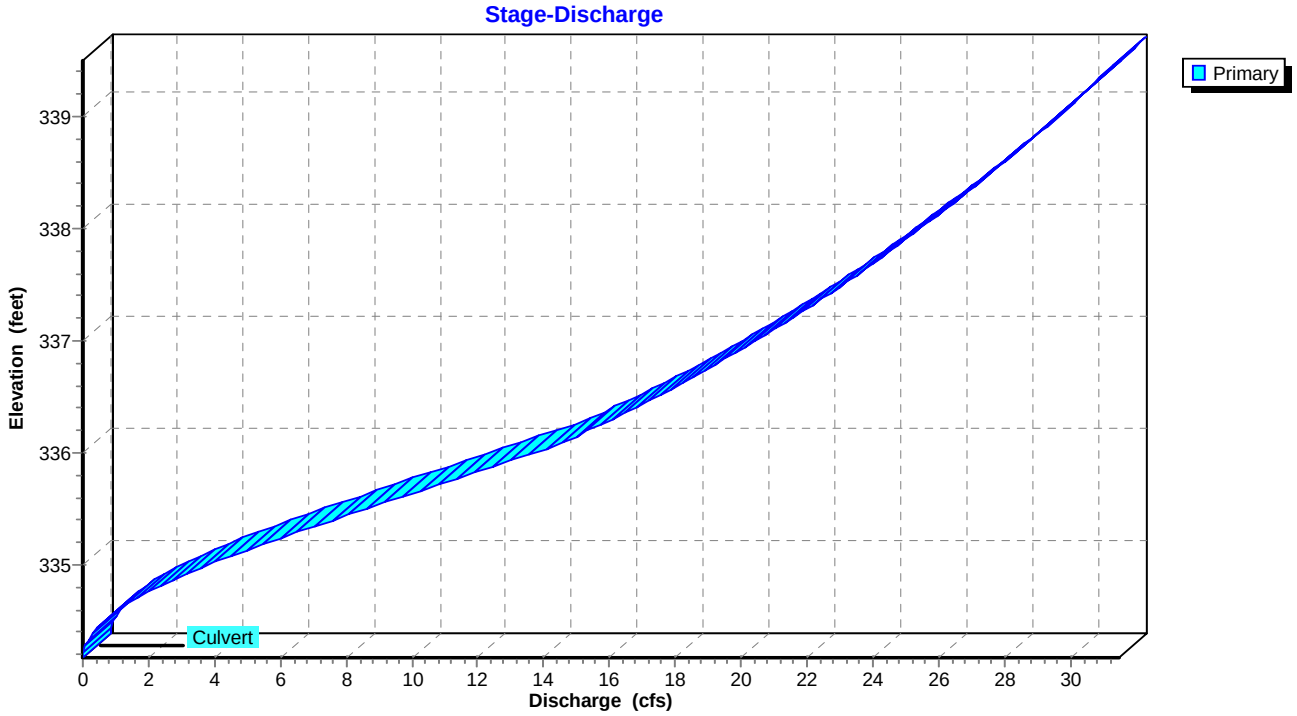
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=16.29 cfs @ 12.24 hrs HW=336.33' TW=335.06' (Dynamic Tailwater)
1=Culvert (Inlet Controls 16.29 cfs @ 5.18 fps)

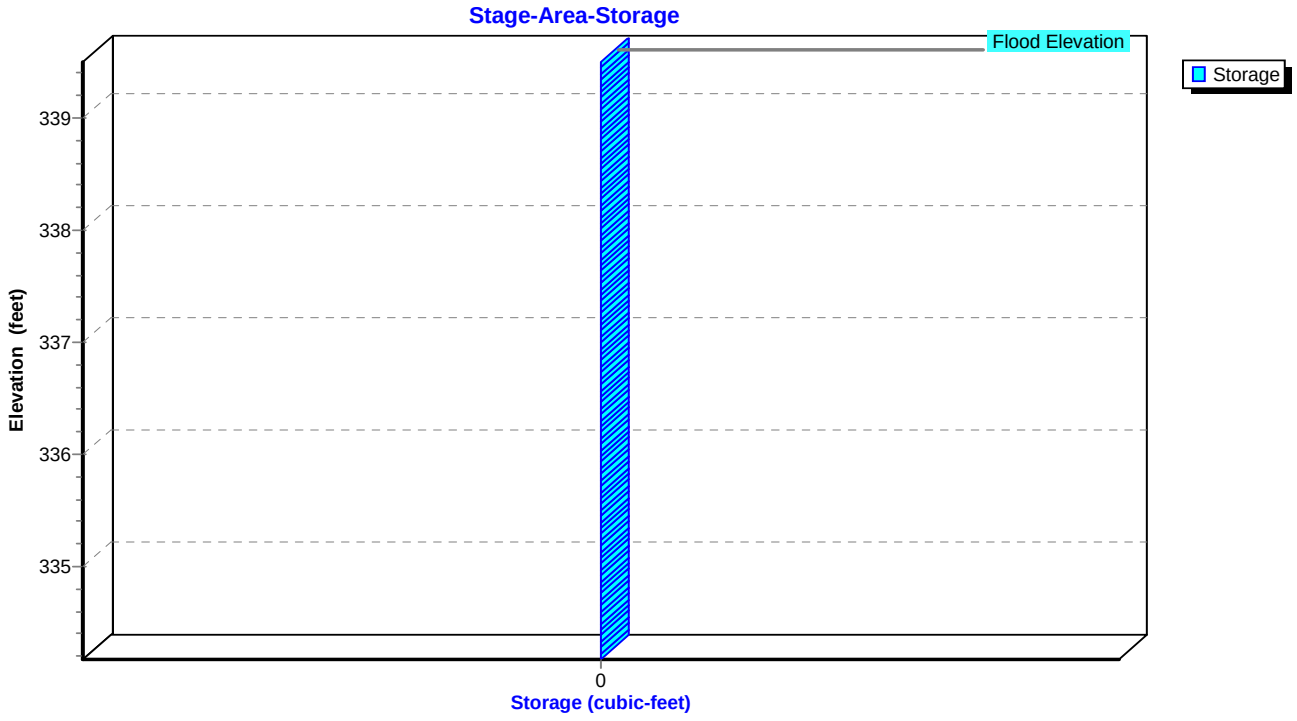
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.17	0.00
5.50	0.00	334.17	0.00
6.00	0.00	334.17	0.00
6.50	0.00	334.18	0.00
7.00	0.01	334.20	0.01
7.50	0.03	334.23	0.03
8.00	0.07	334.28	0.07
8.50	0.14	334.32	0.14
9.00	0.23	334.36	0.23
9.50	0.36	334.41	0.36
10.00	0.51	334.46	0.51
10.50	0.73	334.52	0.73
11.00	1.04	334.59	1.04
11.50	1.70	334.71	1.70
12.00	**7.45**	**335.38**	**7.45**
12.50	**11.34**	**335.77**	**11.34**
13.00	3.49	334.96	3.49
13.50	2.16	334.78	2.16
14.00	1.76	334.72	1.76
14.50	1.48	334.67	1.48
15.00	1.30	334.64	1.30
15.50	1.12	334.60	1.12
16.00	0.94	334.57	0.94
16.50	0.81	334.53	0.81
17.00	0.72	334.52	0.72
17.50	0.64	334.50	0.64
18.00	0.57	334.47	0.57
18.50	0.51	334.46	0.51
19.00	0.49	334.45	0.49
19.50	0.46	334.44	0.46
20.00	0.44	334.44	0.44
20.50	0.42	334.43	0.42
21.00	0.40	334.42	0.40
21.50	0.38	334.42	0.38
22.00	0.36	334.41	0.36
22.50	0.34	334.41	0.34
23.00	0.33	334.40	0.33
23.50	0.31	334.39	0.31
24.00	0.29	334.39	0.29

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

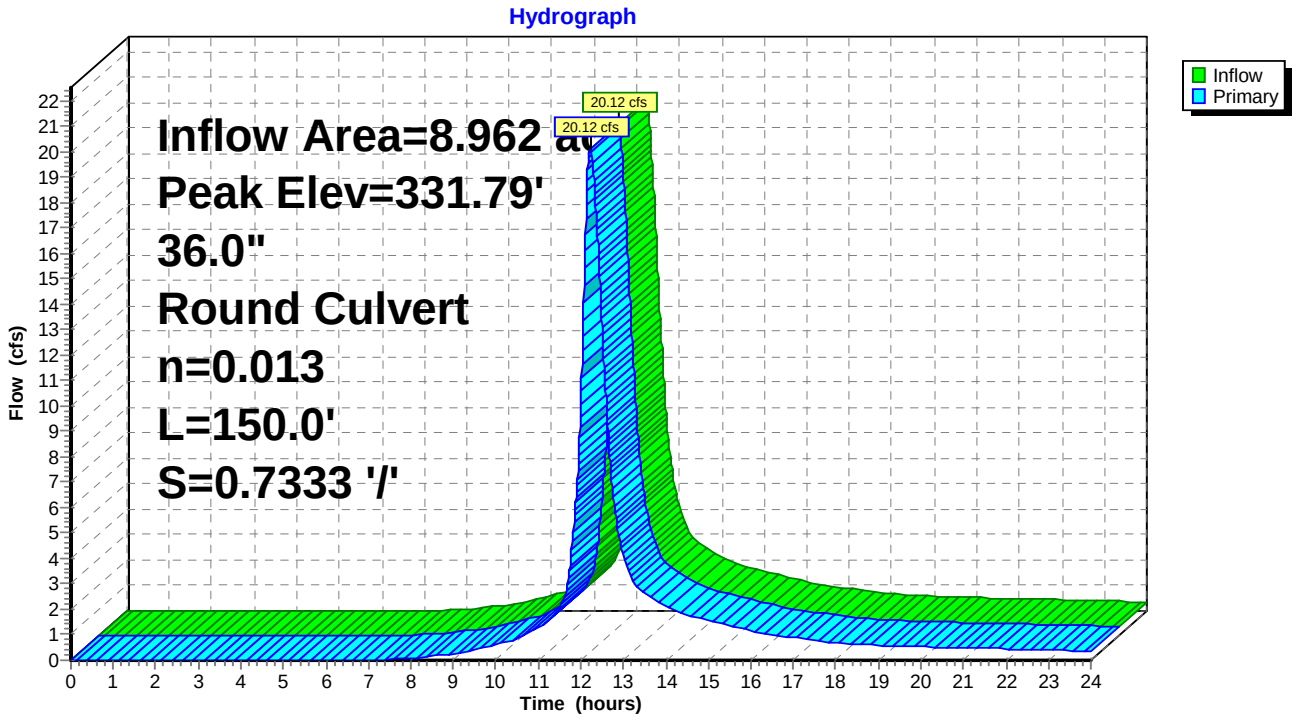
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.01" for 10-Year event
Inflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af
Outflow = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af, Atten= 0%, Lag= 0.0 min
Primary = 20.12 cfs @ 12.22 hrs, Volume= 2.251 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.79' @ 12.22 hrs
Flood Elev= 335.00'

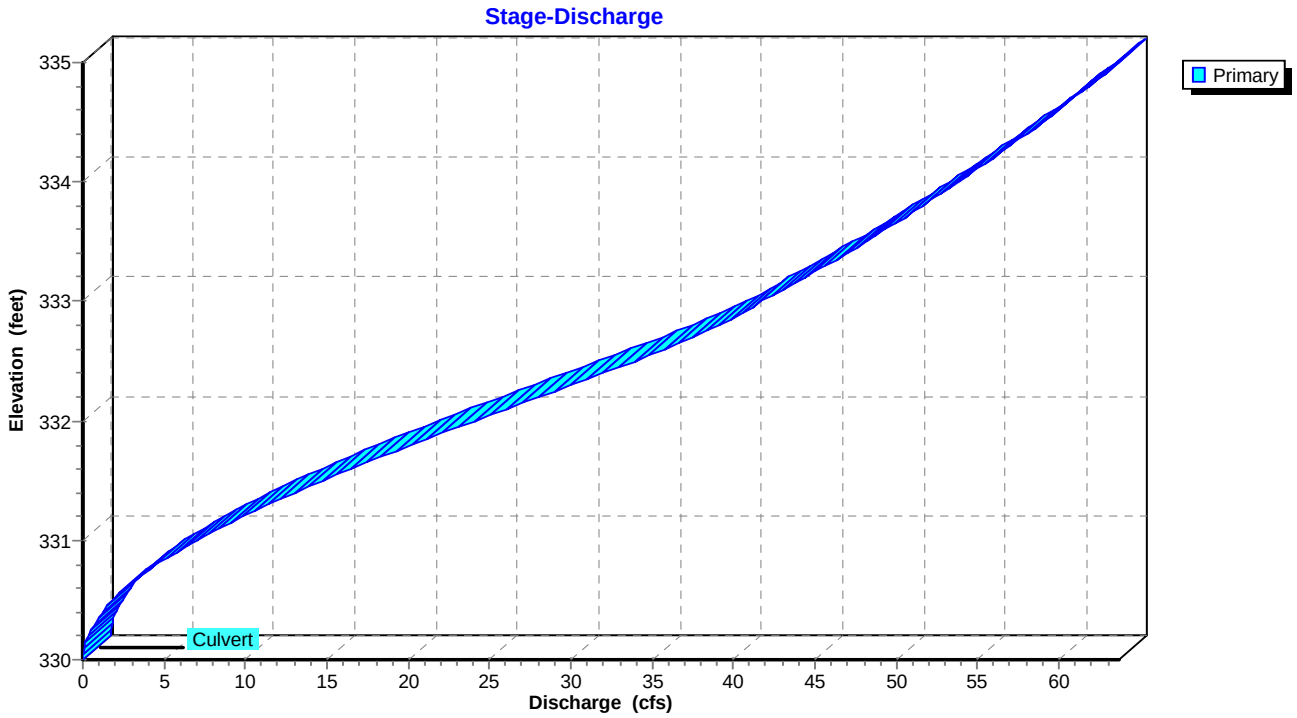
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=20.12 cfs @ 12.22 hrs HW=331.79' TW=0.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 20.12 cfs @ 4.56 fps)

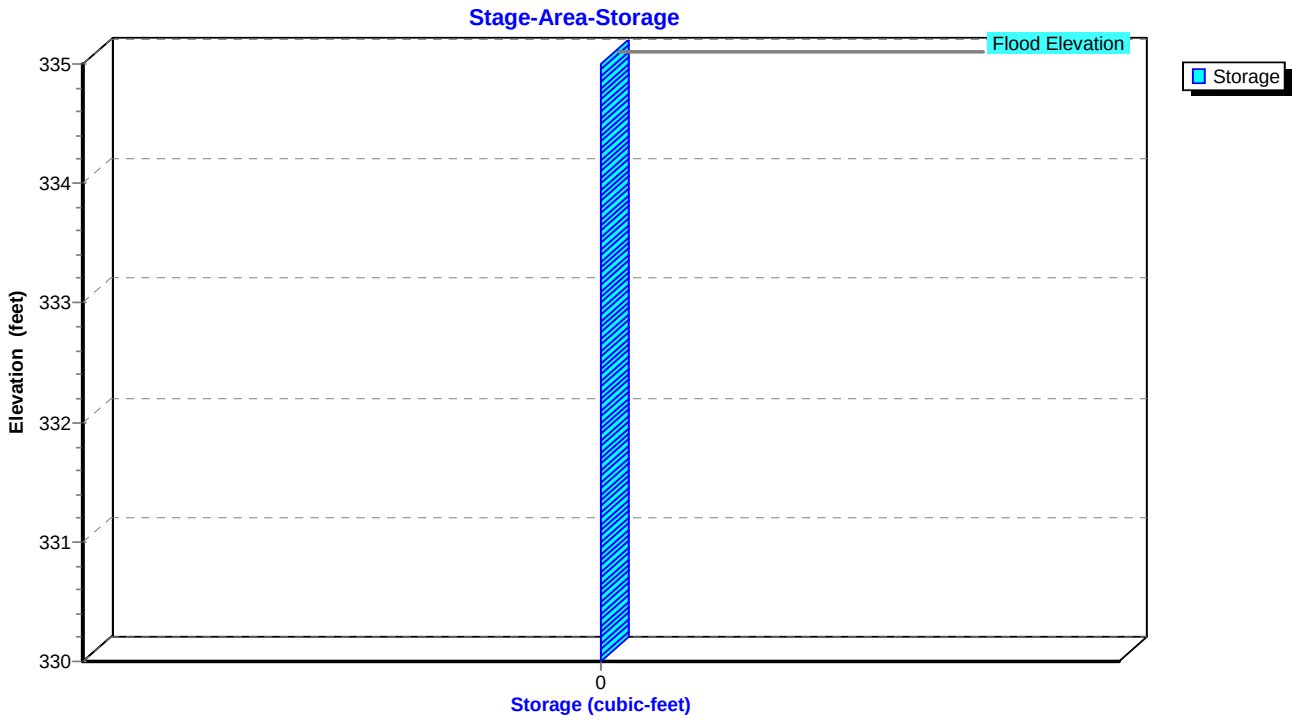
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.00	0.00
5.50	0.00	330.00	0.00
6.00	0.00	330.00	0.00
6.50	0.00	330.00	0.00
7.00	0.01	330.03	0.01
7.50	0.03	330.06	0.03
8.00	0.08	330.10	0.08
8.50	0.15	330.14	0.15
9.00	0.27	330.19	0.27
9.50	0.42	330.23	0.42
10.00	0.60	330.28	0.60
10.50	0.87	330.34	0.87
11.00	1.25	330.41	1.25
11.50	2.08	330.53	2.08
12.00	**10.09**	**331.22**	**10.09**
12.50	**13.12**	**331.41**	**13.12**
13.00	4.09	330.75	4.09
13.50	2.60	330.59	2.60
14.00	2.12	330.53	2.12
14.50	1.79	330.49	1.79
15.00	1.57	330.46	1.57
15.50	1.36	330.42	1.36
16.00	1.14	330.39	1.14
16.50	0.98	330.36	0.98
17.00	0.88	330.34	0.88
17.50	0.78	330.32	0.78
18.00	0.69	330.30	0.69
18.50	0.62	330.29	0.62
19.00	0.59	330.28	0.59
19.50	0.56	330.27	0.56
20.00	0.53	330.26	0.53
20.50	0.51	330.26	0.51
21.00	0.49	330.25	0.49
21.50	0.46	330.25	0.46
22.00	0.44	330.24	0.44
22.50	0.42	330.23	0.42
23.00	0.40	330.23	0.40
23.50	0.38	330.22	0.38
24.00	0.35	330.21	0.35

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

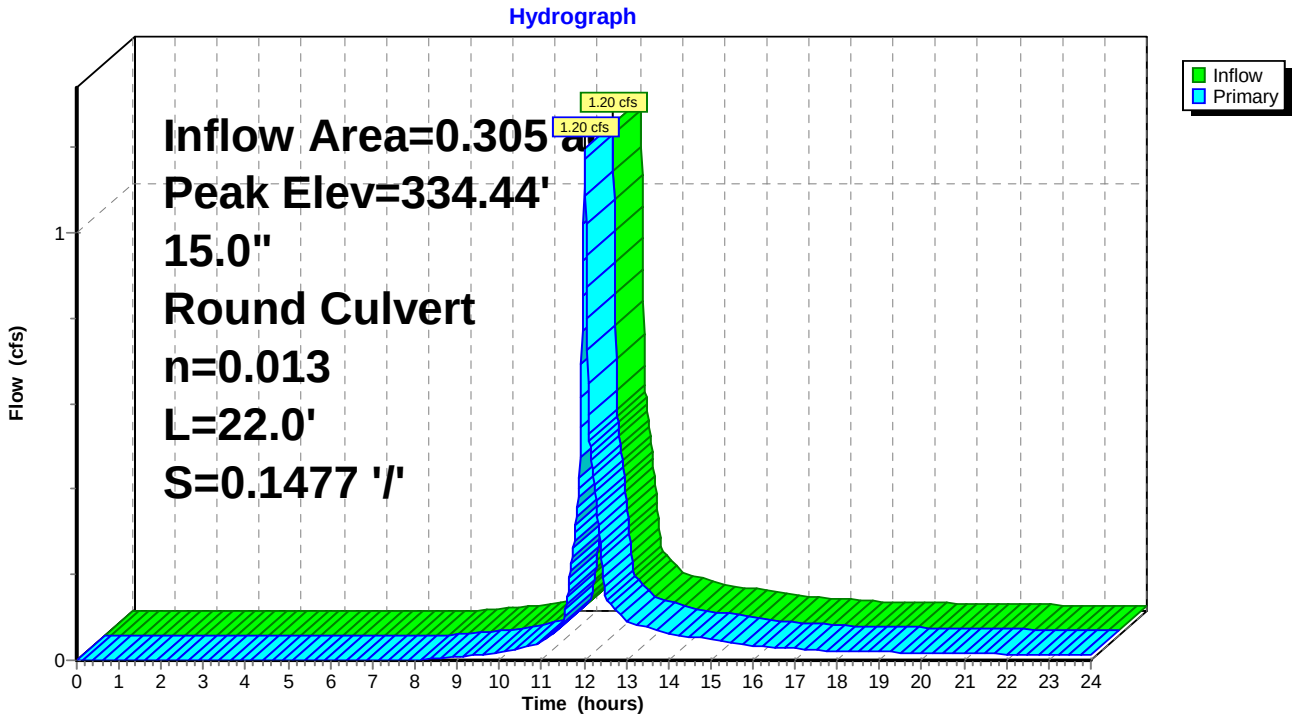
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af
Outflow = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af, Atten= 0%, Lag= 0.0 min
Primary = 1.20 cfs @ 12.02 hrs, Volume= 0.071 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.44' @ 12.02 hrs
Flood Elev= 336.50'

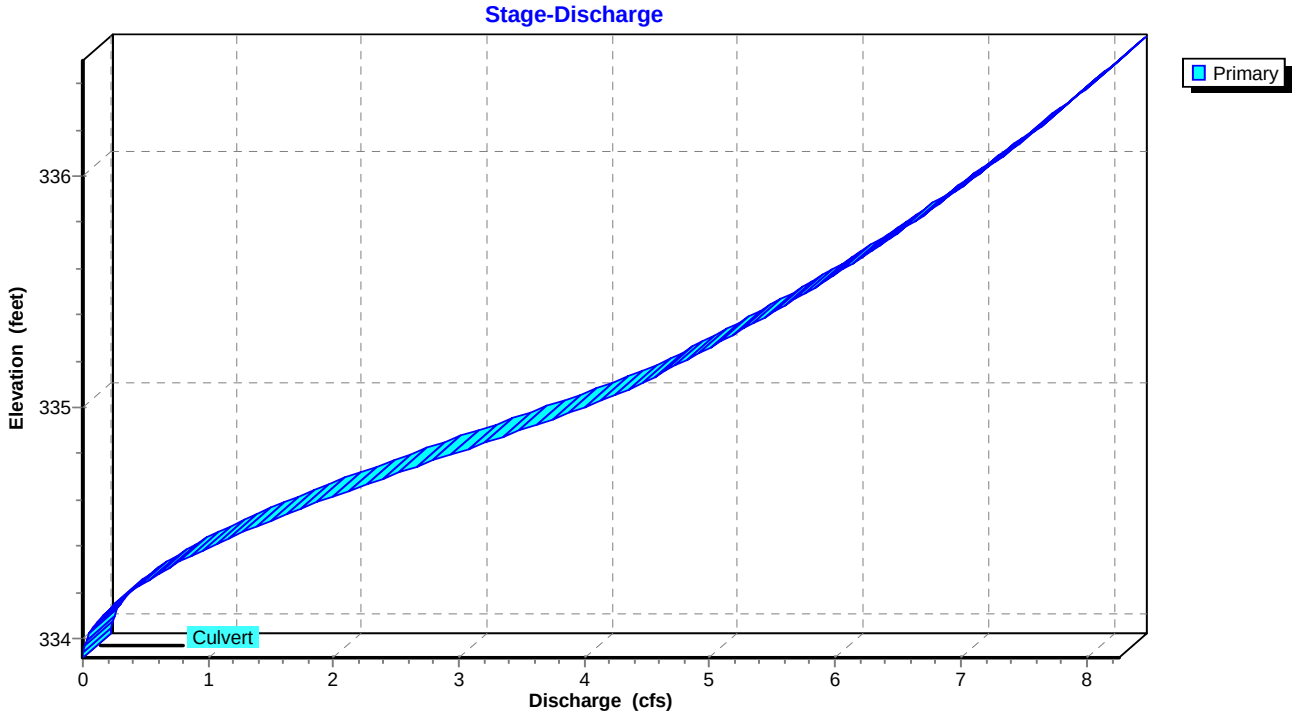
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.19 cfs @ 12.02 hrs HW=334.44' TW=331.27' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.19 cfs @ 2.46 fps)

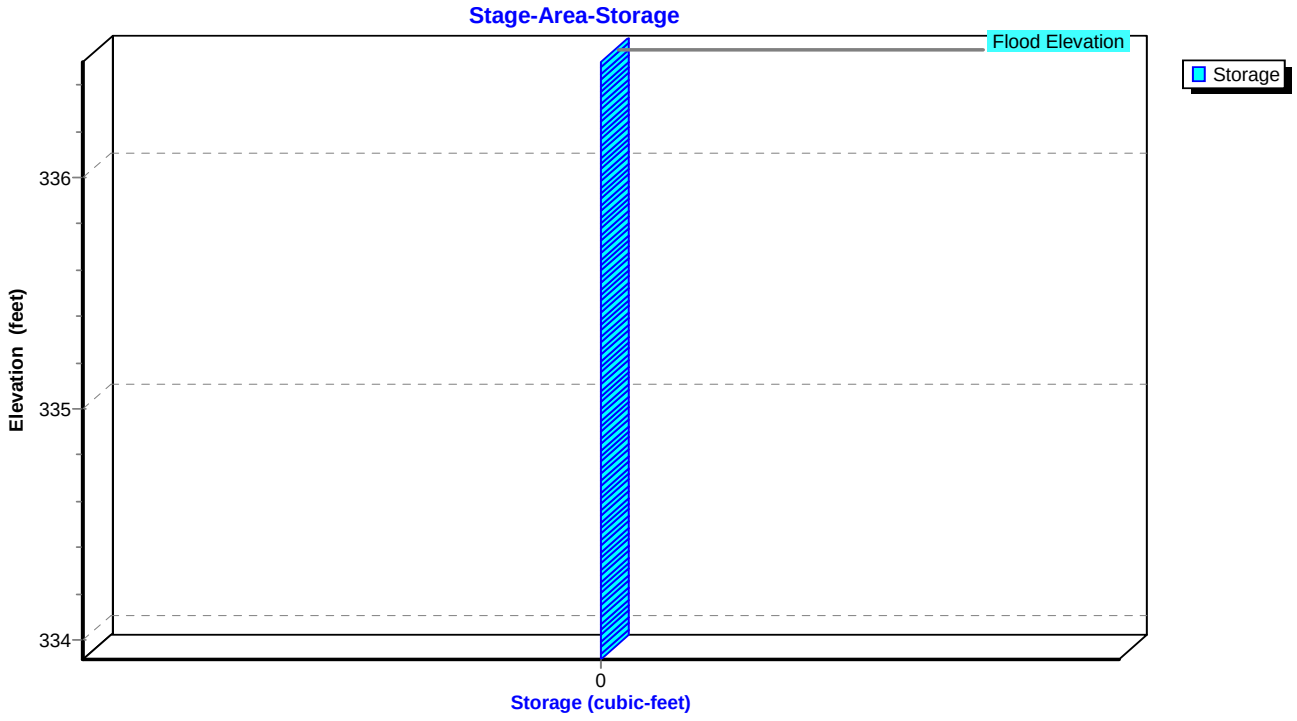
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.92	0.00
7.50	0.00	333.92	0.00
8.00	0.00	333.93	0.00
8.50	0.00	333.95	0.00
9.00	0.01	333.96	0.01
9.50	0.01	333.97	0.01
10.00	0.02	333.98	0.02
10.50	0.03	334.00	0.03
11.00	0.04	334.01	0.04
11.50	0.08	334.05	0.08
12.00	**1.11**	**334.42**	**1.11**
12.50	**0.16**	**334.10**	**0.16**
13.00	0.09	334.06	0.09
13.50	0.08	334.04	0.08
14.00	0.06	334.03	0.06
14.50	0.05	334.03	0.05
15.00	0.05	334.02	0.05
15.50	0.04	334.01	0.04
16.00	0.03	334.00	0.03
16.50	0.03	334.00	0.03
17.00	0.03	333.99	0.03
17.50	0.02	333.99	0.02
18.00	0.02	333.98	0.02
18.50	0.02	333.98	0.02
19.00	0.02	333.98	0.02
19.50	0.02	333.98	0.02
20.00	0.02	333.98	0.02
20.50	0.02	333.98	0.02
21.00	0.02	333.98	0.02
21.50	0.01	333.97	0.01
22.00	0.01	333.97	0.01
22.50	0.01	333.97	0.01
23.00	0.01	333.97	0.01
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

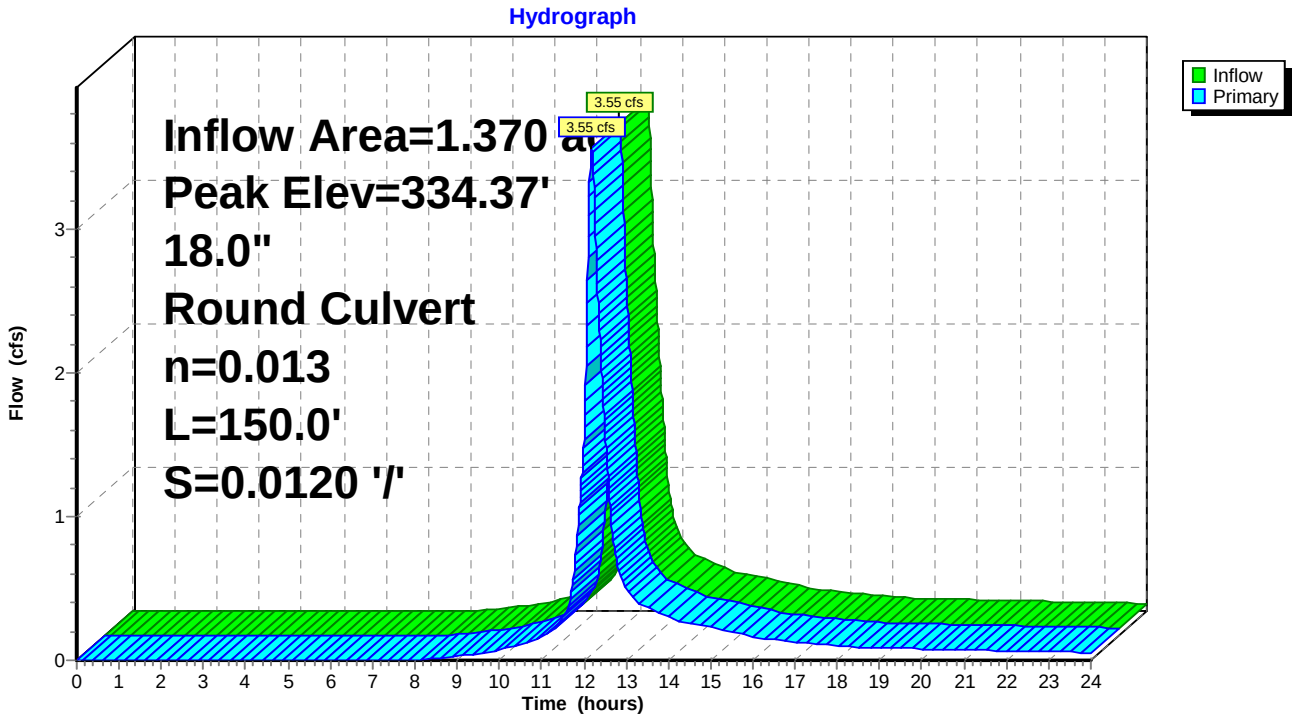
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.79" for 10-Year event
Inflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af
Outflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af, Atten= 0%, Lag= 0.0 min
Primary = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.37' @ 12.19 hrs
Flood Elev= 337.00'

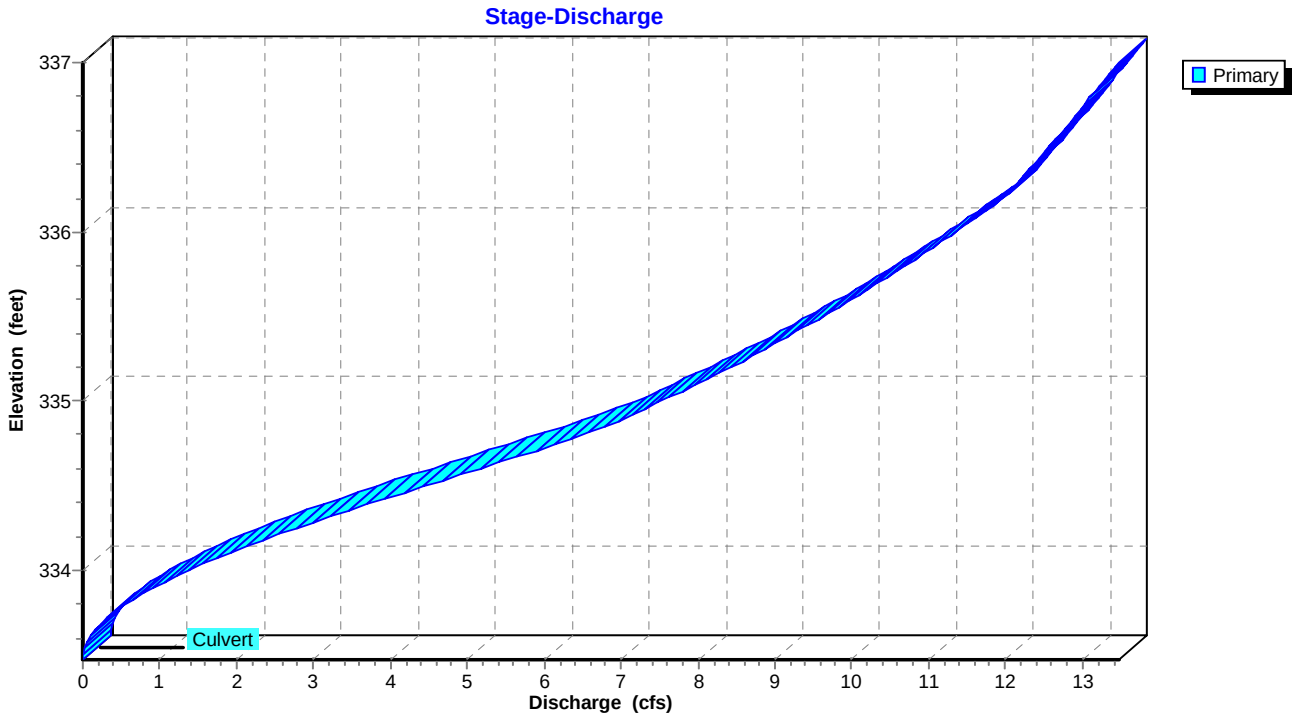
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.55 cfs @ 12.19 hrs HW=334.37' TW=331.78' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.55 cfs @ 3.22 fps)

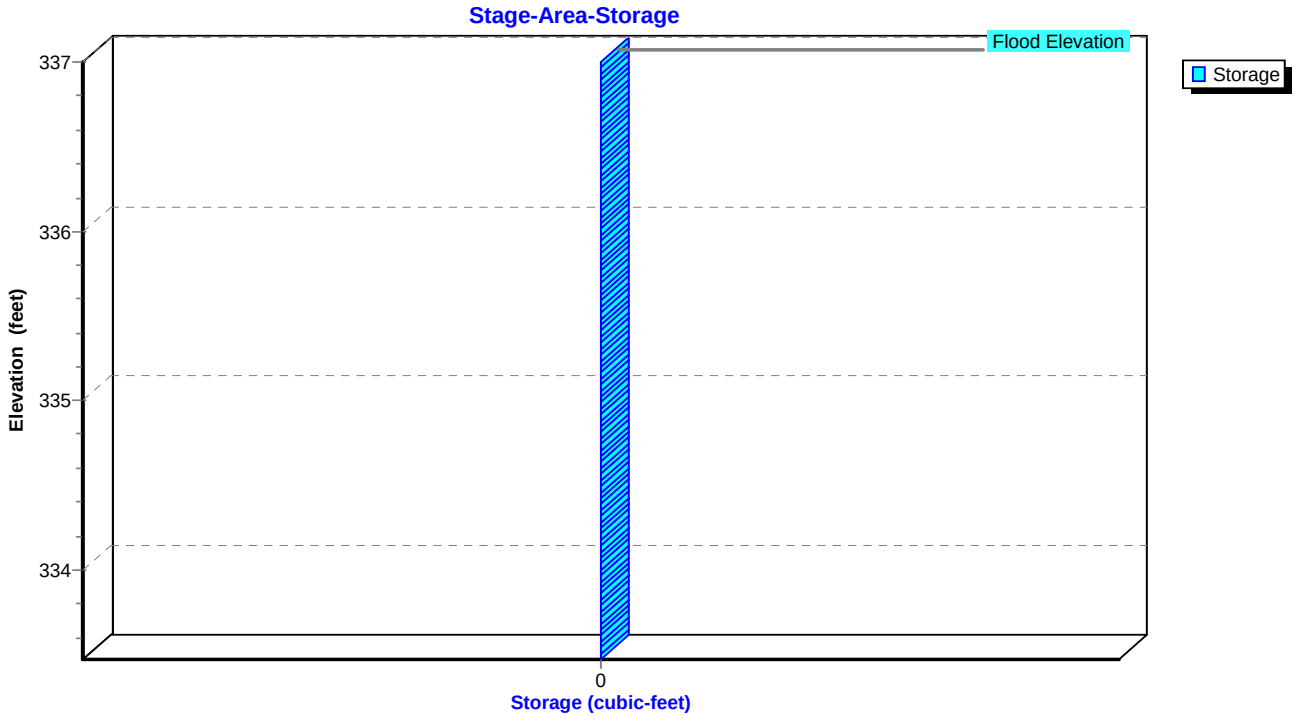
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.00	333.47	0.00
8.00	0.00	333.49	0.00
8.50	0.01	333.52	0.01
9.00	0.03	333.54	0.03
9.50	0.05	333.56	0.05
10.00	0.07	333.59	0.07
10.50	0.11	333.61	0.11
11.00	0.17	333.65	0.17
11.50	0.29	333.71	0.29
12.00	**1.54**	**334.03**	**1.54**
12.50	**1.61**	**334.05**	**1.61**
13.00	0.51	333.78	0.51
13.50	0.37	333.73	0.37
14.00	0.30	333.71	0.30
14.50	0.26	333.69	0.26
15.00	0.23	333.68	0.23
15.50	0.20	333.66	0.20
16.00	0.16	333.64	0.16
16.50	0.14	333.63	0.14
17.00	0.13	333.62	0.13
17.50	0.11	333.62	0.11
18.00	0.10	333.61	0.10
18.50	0.09	333.60	0.09
19.00	0.09	333.60	0.09
19.50	0.08	333.59	0.08
20.00	0.08	333.59	0.08
20.50	0.07	333.59	0.07
21.00	0.07	333.58	0.07
21.50	0.07	333.58	0.07
22.00	0.06	333.58	0.06
22.50	0.06	333.58	0.06
23.00	0.06	333.57	0.06
23.50	0.06	333.57	0.06
24.00	0.05	333.57	0.05

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0		
334.52	0		
334.57	0		
334.62	0		
334.67	0		
334.72	0		
334.77	0		
334.82	0		
334.87	0		
334.92	0		
334.97	0		
335.02	0		
335.07	0		
335.12	0		
335.17	0		
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB6-1: CB1-1

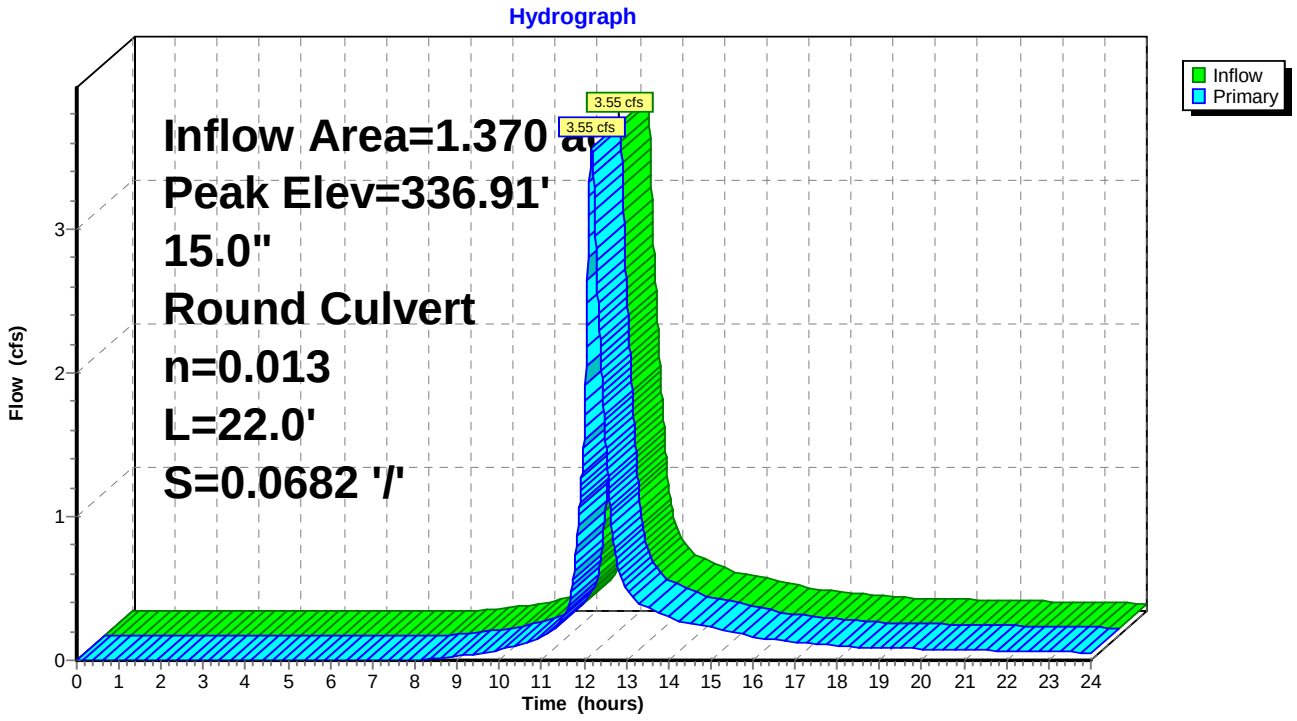
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 2.79" for 10-Year event
Inflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af
Outflow = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af, Atten= 0%, Lag= 0.0 min
Primary = 3.55 cfs @ 12.19 hrs, Volume= 0.319 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.91' @ 12.19 hrs
Flood Elev= 338.50'

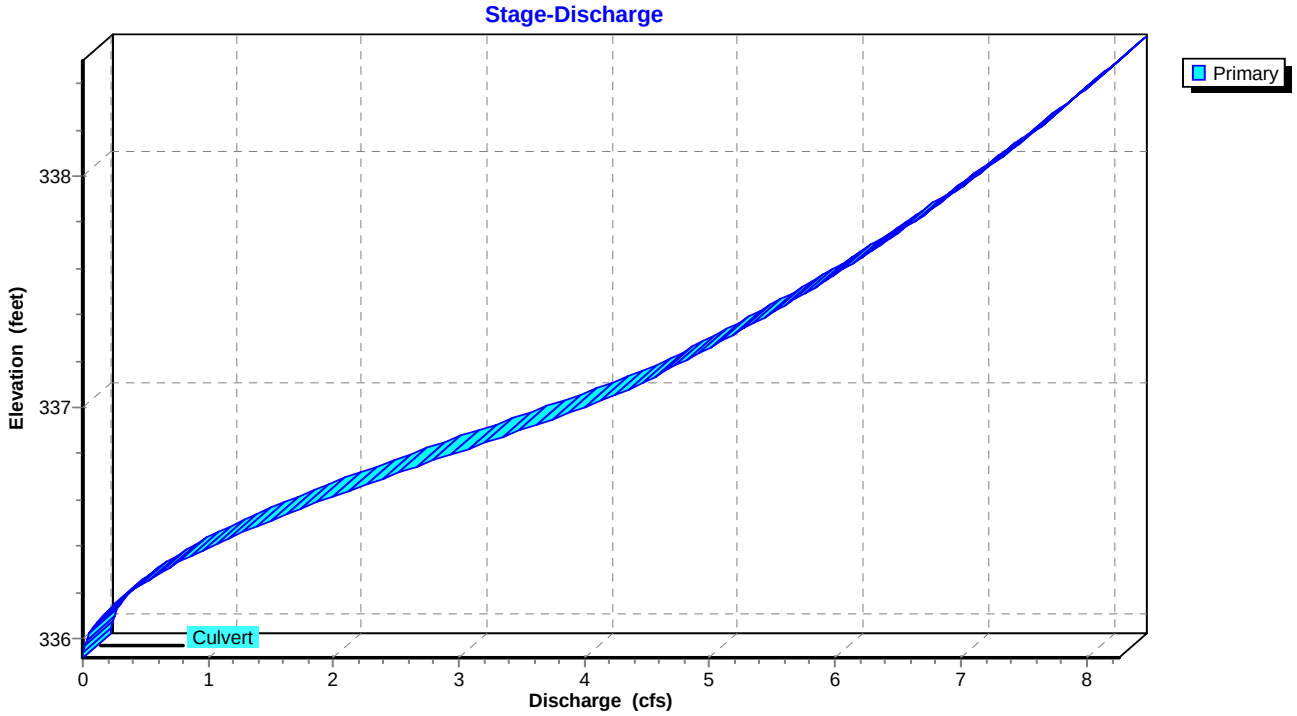
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.55 cfs @ 12.19 hrs HW=336.91' TW=334.37' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.55 cfs @ 3.39 fps)

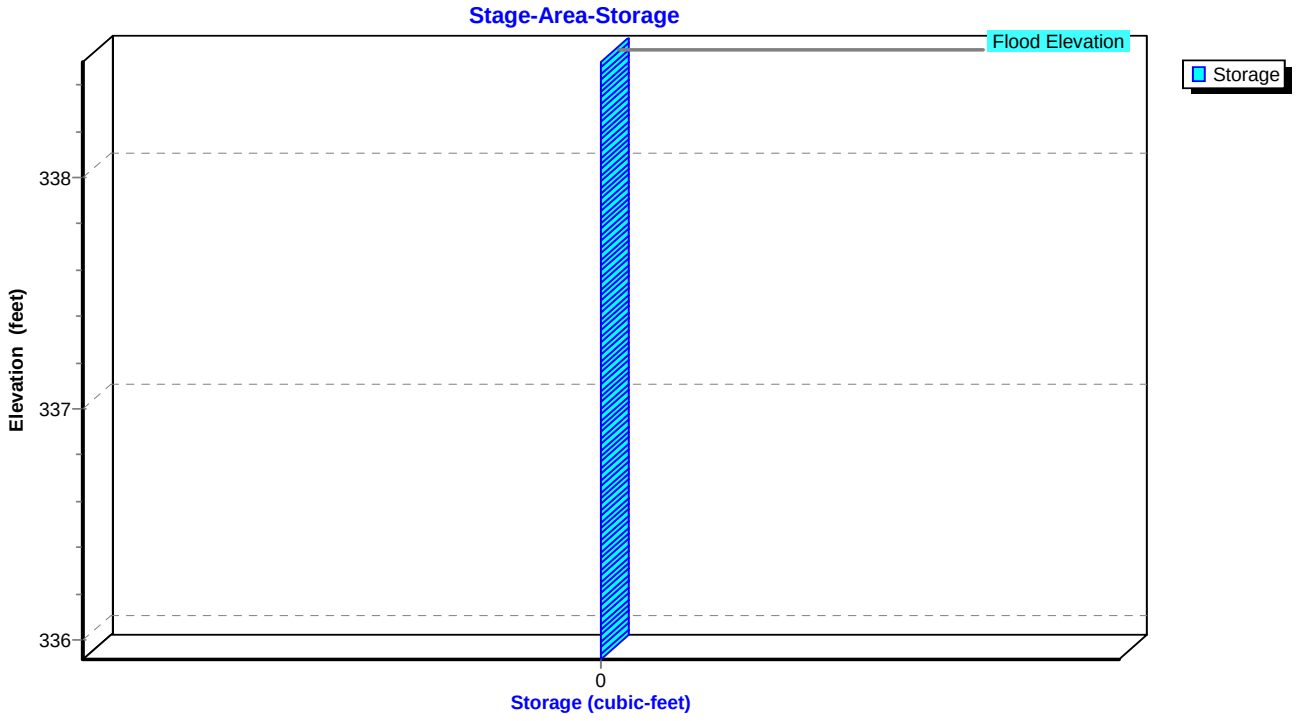
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.00	335.92	0.00
8.00	0.00	335.94	0.00
8.50	0.01	335.97	0.01
9.00	0.03	335.99	0.03
9.50	0.05	336.02	0.05
10.00	0.07	336.04	0.07
10.50	0.11	336.07	0.11
11.00	0.17	336.11	0.17
11.50	0.29	336.17	0.29
12.00	**1.54**	**336.52**	**1.54**
12.50	**1.61**	**336.54**	**1.61**
13.00	0.51	336.25	0.51
13.50	0.37	336.20	0.37
14.00	0.30	336.17	0.30
14.50	0.26	336.15	0.26
15.00	0.23	336.14	0.23
15.50	0.20	336.12	0.20
16.00	0.16	336.10	0.16
16.50	0.14	336.09	0.14
17.00	0.13	336.08	0.13
17.50	0.11	336.07	0.11
18.00	0.10	336.06	0.10
18.50	0.09	336.06	0.09
19.00	0.09	336.05	0.09
19.50	0.08	336.05	0.08
20.00	0.08	336.05	0.08
20.50	0.07	336.04	0.07
21.00	0.07	336.04	0.07
21.50	0.07	336.04	0.07
22.00	0.06	336.03	0.06
22.50	0.06	336.03	0.06
23.00	0.06	336.03	0.06
23.50	0.06	336.03	0.06
24.00	0.05	336.02	0.05

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

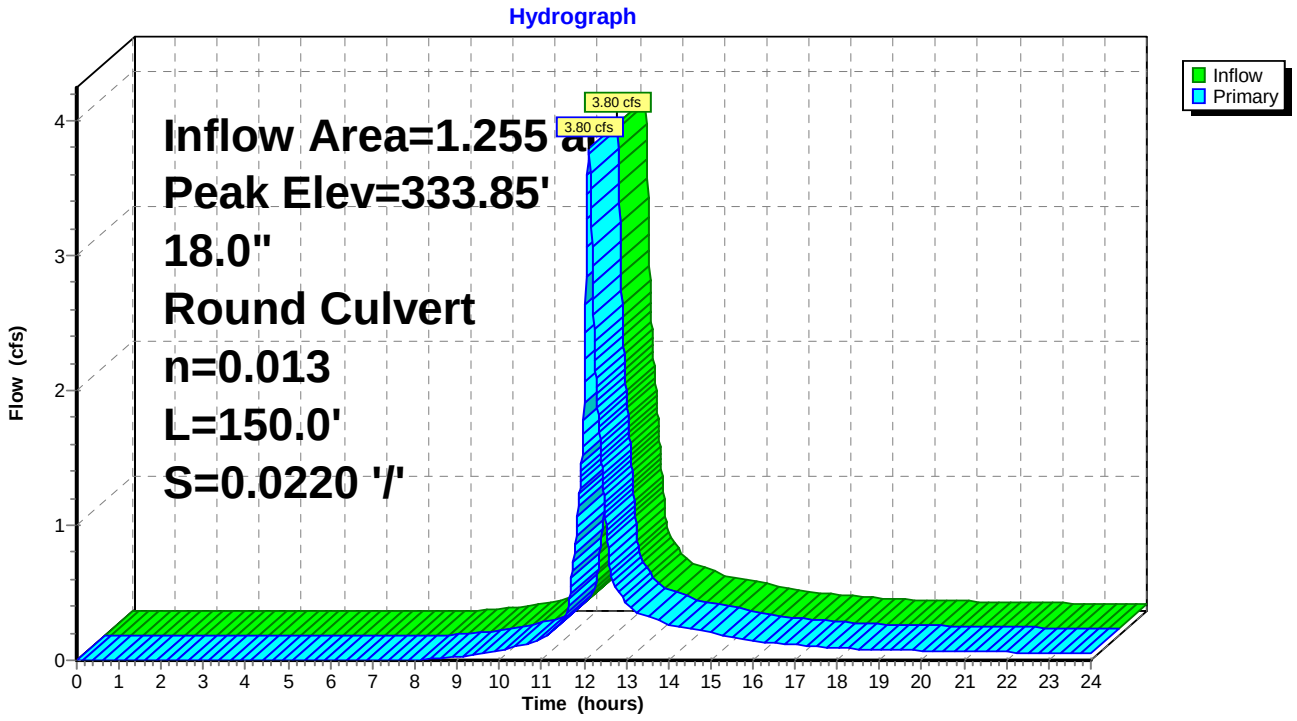
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af
Outflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 333.85' @ 12.12 hrs
Flood Elev= 335.75'

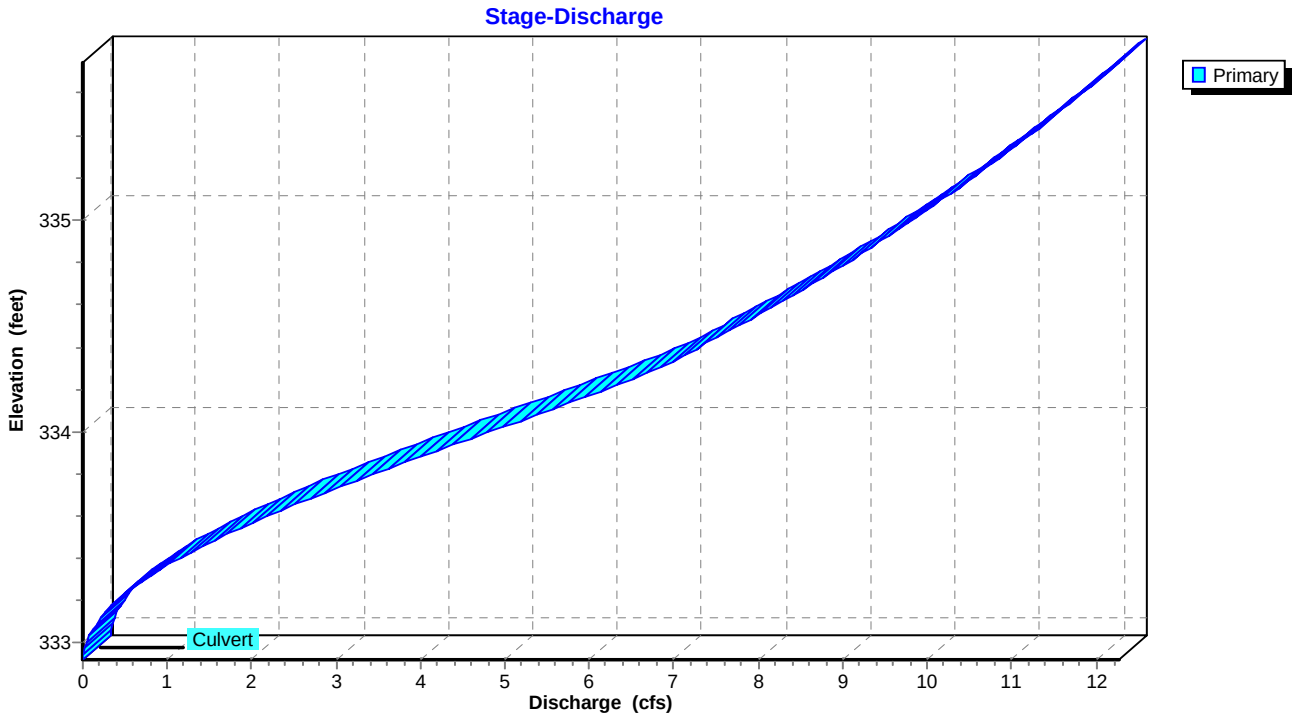
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.80 cfs @ 12.12 hrs HW=333.85' TW=330.49' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.80 cfs @ 3.29 fps)

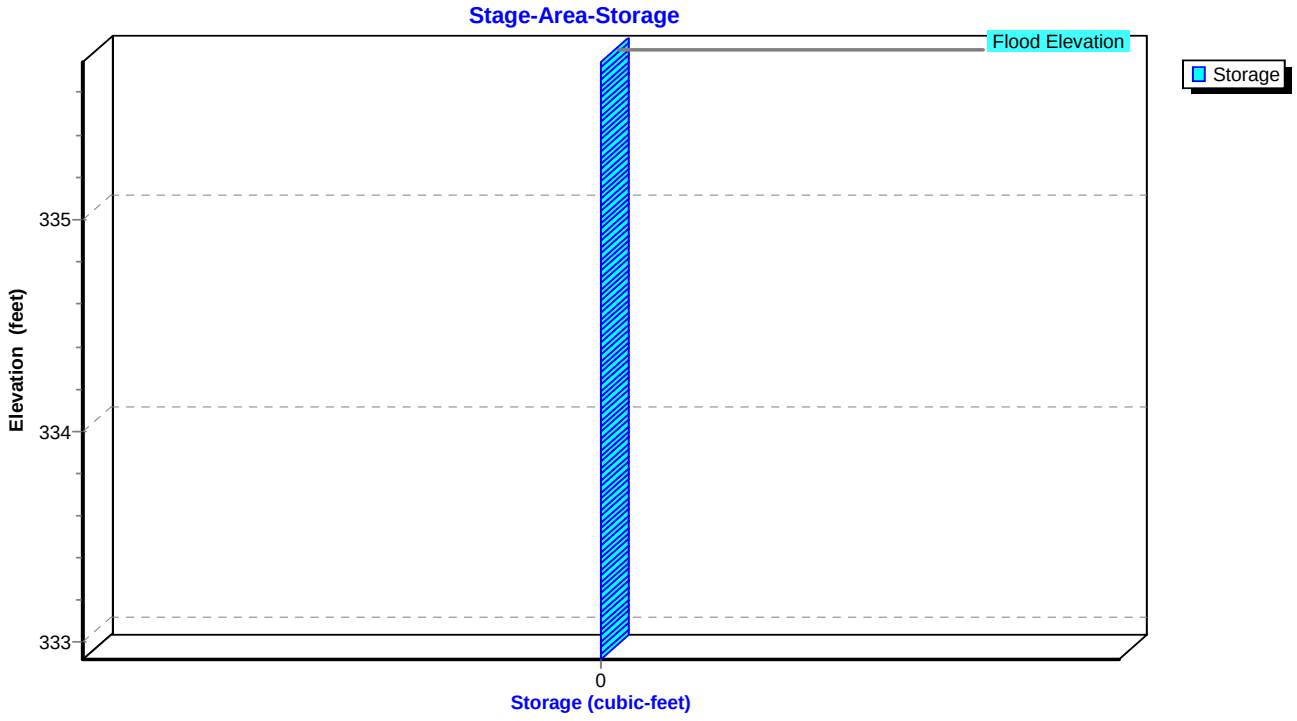
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.00	332.92	0.00
7.00	0.00	332.92	0.00
7.50	0.00	332.92	0.00
8.00	0.00	332.94	0.00
8.50	0.01	332.97	0.01
9.00	0.03	332.99	0.03
9.50	0.05	333.01	0.05
10.00	0.07	333.03	0.07
10.50	0.11	333.06	0.11
11.00	0.16	333.09	0.16
11.50	0.30	333.16	0.30
12.00	**1.91**	**333.55**	**1.91**
12.50	**1.13**	**333.40**	**1.13**
13.00	0.43	333.21	0.43
13.50	0.33	333.17	0.33
14.00	0.27	333.14	0.27
14.50	0.23	333.13	0.23
15.00	0.20	333.12	0.20
15.50	0.17	333.10	0.17
16.00	0.15	333.08	0.15
16.50	0.13	333.07	0.13
17.00	0.12	333.07	0.12
17.50	0.10	333.06	0.10
18.00	0.09	333.05	0.09
18.50	0.08	333.04	0.08
19.00	0.08	333.04	0.08
19.50	0.08	333.04	0.08
20.00	0.07	333.03	0.07
20.50	0.07	333.03	0.07
21.00	0.06	333.03	0.06
21.50	0.06	333.03	0.06
22.00	0.06	333.02	0.06
22.50	0.06	333.02	0.06
23.00	0.05	333.02	0.05
23.50	0.05	333.02	0.05
24.00	0.05	333.01	0.05

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

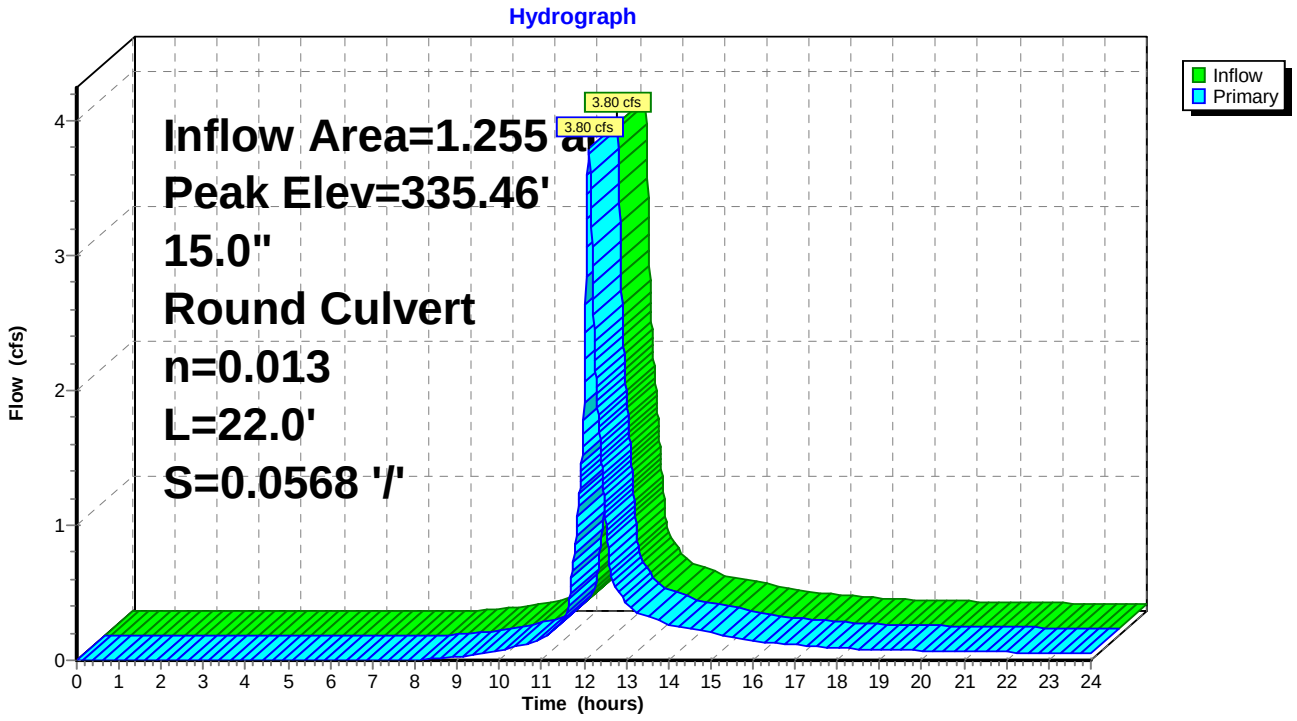
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af
Outflow = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af, Atten= 0%, Lag= 0.0 min
Primary = 3.80 cfs @ 12.12 hrs, Volume= 0.292 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.46' @ 12.12 hrs
Flood Elev= 337.00'

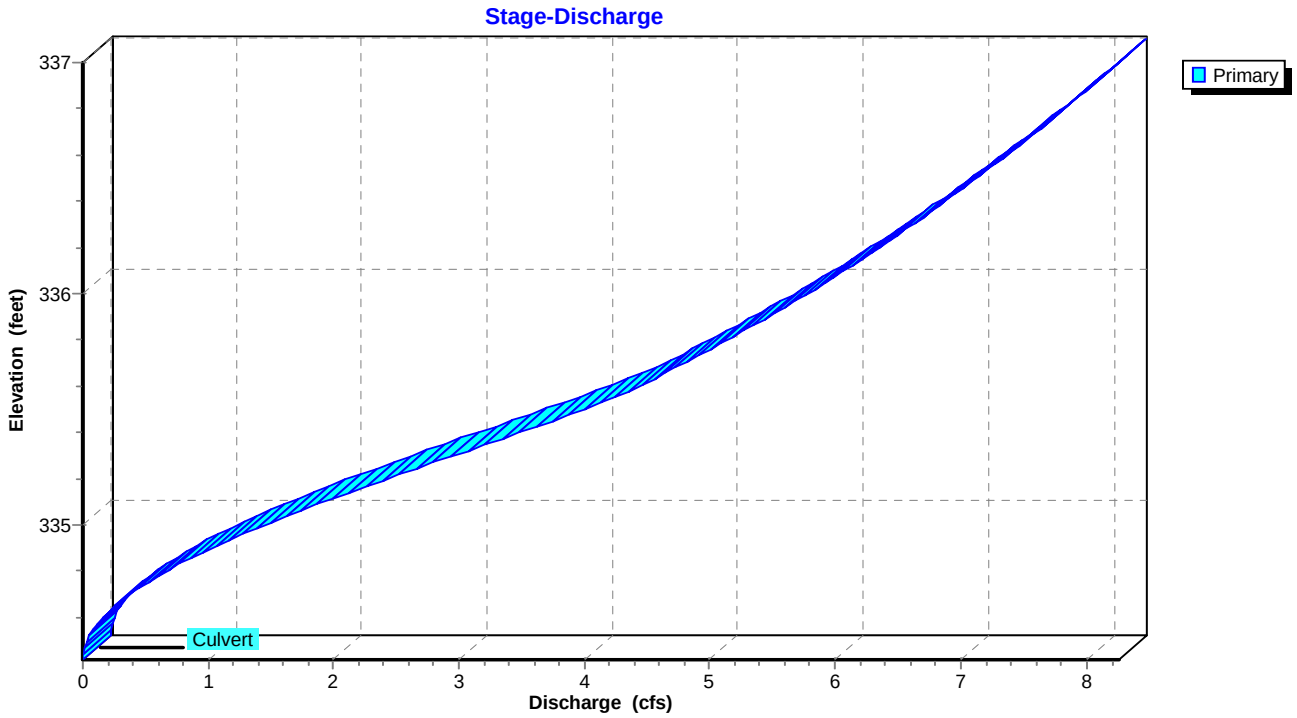
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.80 cfs @ 12.12 hrs HW=335.46' TW=333.85' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 3.80 cfs @ 3.47 fps)

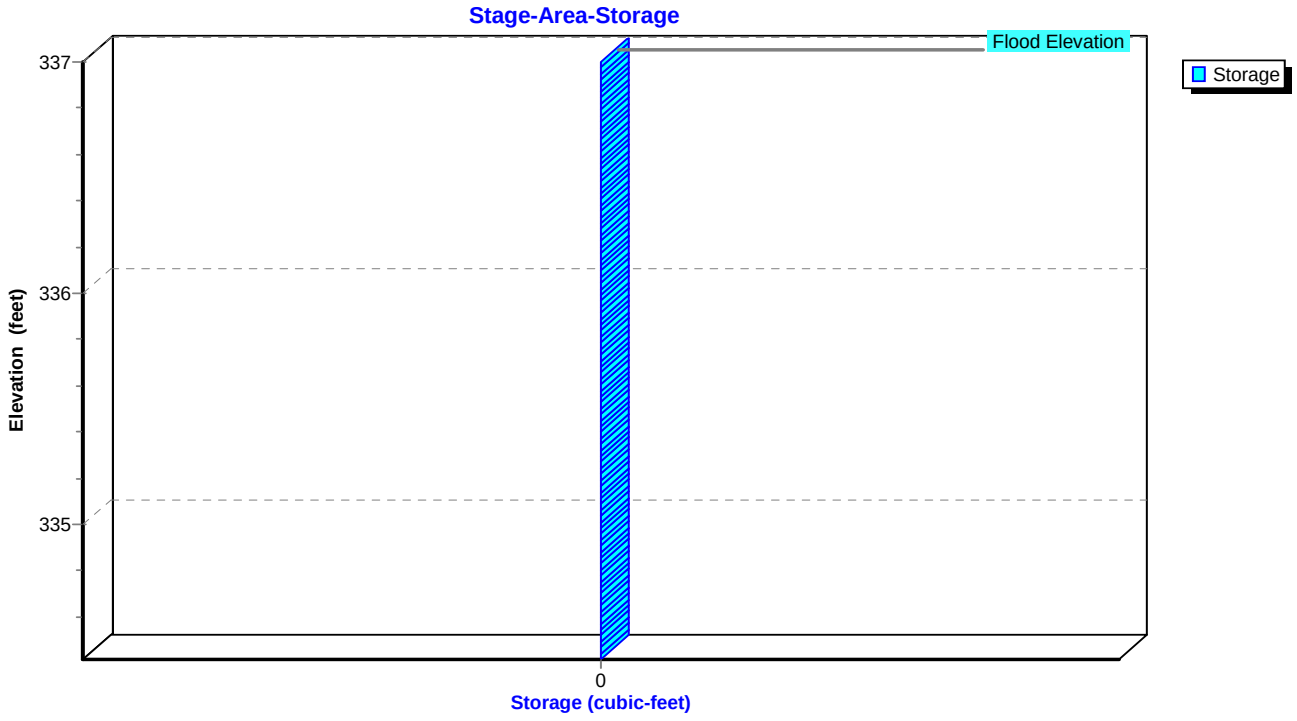
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.00	334.42	0.00
8.00	0.00	334.44	0.00
8.50	0.01	334.47	0.01
9.00	0.03	334.49	0.03
9.50	0.05	334.52	0.05
10.00	0.07	334.54	0.07
10.50	0.11	334.57	0.11
11.00	0.16	334.60	0.16
11.50	0.30	334.67	0.30
12.00	**1.91**	**335.10**	**1.91**
12.50	**1.13**	**334.93**	**1.13**
13.00	0.43	334.72	0.43
13.50	0.33	334.68	0.33
14.00	0.27	334.66	0.27
14.50	0.23	334.64	0.23
15.00	0.20	334.63	0.20
15.50	0.17	334.61	0.17
16.00	0.15	334.59	0.15
16.50	0.13	334.58	0.13
17.00	0.12	334.57	0.12
17.50	0.10	334.56	0.10
18.00	0.09	334.55	0.09
18.50	0.08	334.55	0.08
19.00	0.08	334.55	0.08
19.50	0.08	334.54	0.08
20.00	0.07	334.54	0.07
20.50	0.07	334.54	0.07
21.00	0.06	334.53	0.06
21.50	0.06	334.53	0.06
22.00	0.06	334.53	0.06
22.50	0.06	334.53	0.06
23.00	0.05	334.52	0.05
23.50	0.05	334.52	0.05
24.00	0.05	334.52	0.05

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

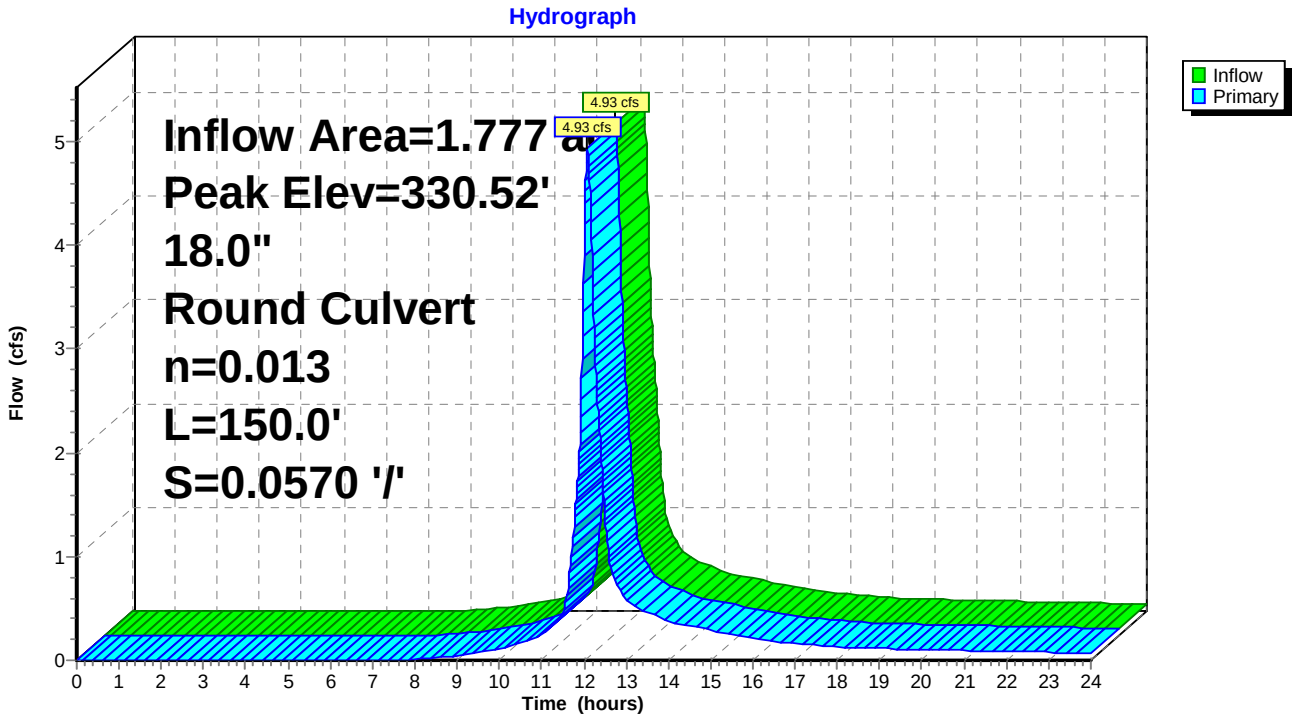
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 2.85" for 10-Year event
Inflow = 4.93 cfs @ 12.09 hrs, Volume= 0.422 af
Outflow = 4.93 cfs @ 12.09 hrs, Volume= 0.422 af, Atten= 0%, Lag= 0.0 min
Primary = 4.93 cfs @ 12.09 hrs, Volume= 0.422 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.52' @ 12.09 hrs
Flood Elev= 332.25'

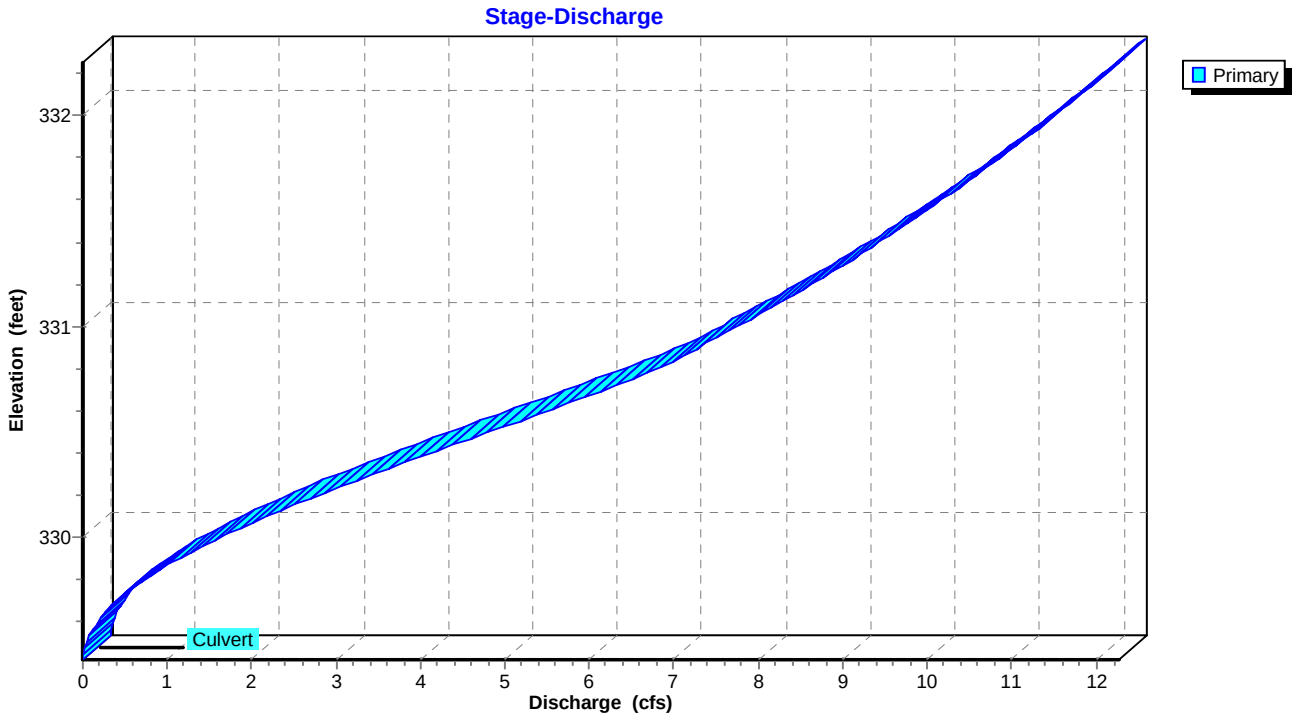
Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.93 cfs @ 12.09 hrs HW=330.52' TW=321.92' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.93 cfs @ 3.56 fps)

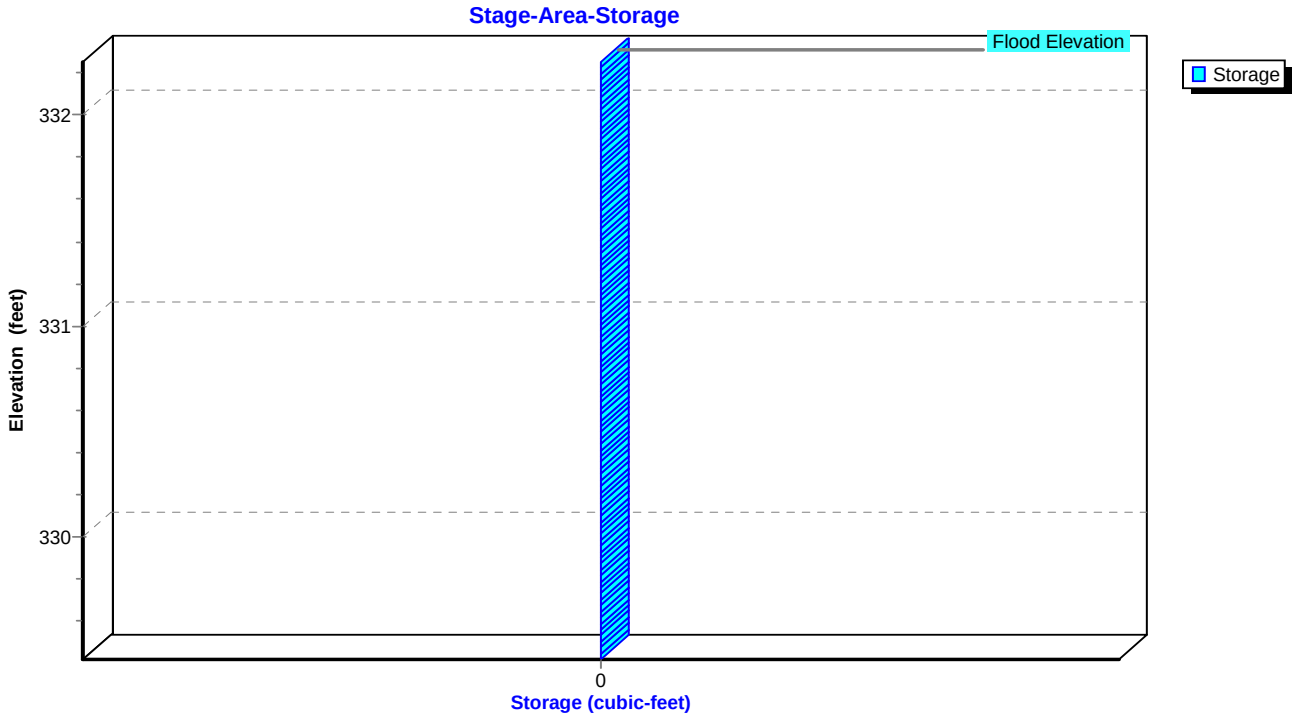
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.42	0.00
6.00	0.00	329.42	0.00
6.50	0.00	329.42	0.00
7.00	0.00	329.42	0.00
7.50	0.00	329.44	0.00
8.00	0.01	329.46	0.01
8.50	0.02	329.49	0.02
9.00	0.05	329.51	0.05
9.50	0.07	329.54	0.07
10.00	0.11	329.56	0.11
10.50	0.17	329.60	0.17
11.00	0.24	329.63	0.24
11.50	0.45	329.72	0.45
12.00	**3.91**	**330.37**	**3.91**
12.50	**1.42**	**329.96**	**1.42**
13.00	0.59	329.76	0.59
13.50	0.46	329.72	0.46
14.00	0.38	329.69	0.38
14.50	0.33	329.67	0.33
15.00	0.29	329.65	0.29
15.50	0.25	329.64	0.25
16.00	0.20	329.62	0.20
16.50	0.18	329.60	0.18
17.00	0.16	329.59	0.16
17.50	0.14	329.58	0.14
18.00	0.13	329.57	0.13
18.50	0.12	329.57	0.12
19.00	0.11	329.56	0.11
19.50	0.11	329.56	0.11
20.00	0.10	329.56	0.10
20.50	0.10	329.55	0.10
21.00	0.09	329.55	0.09
21.50	0.09	329.55	0.09
22.00	0.08	329.54	0.08
22.50	0.08	329.54	0.08
23.00	0.08	329.54	0.08
23.50	0.07	329.53	0.07
24.00	0.07	329.53	0.07

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

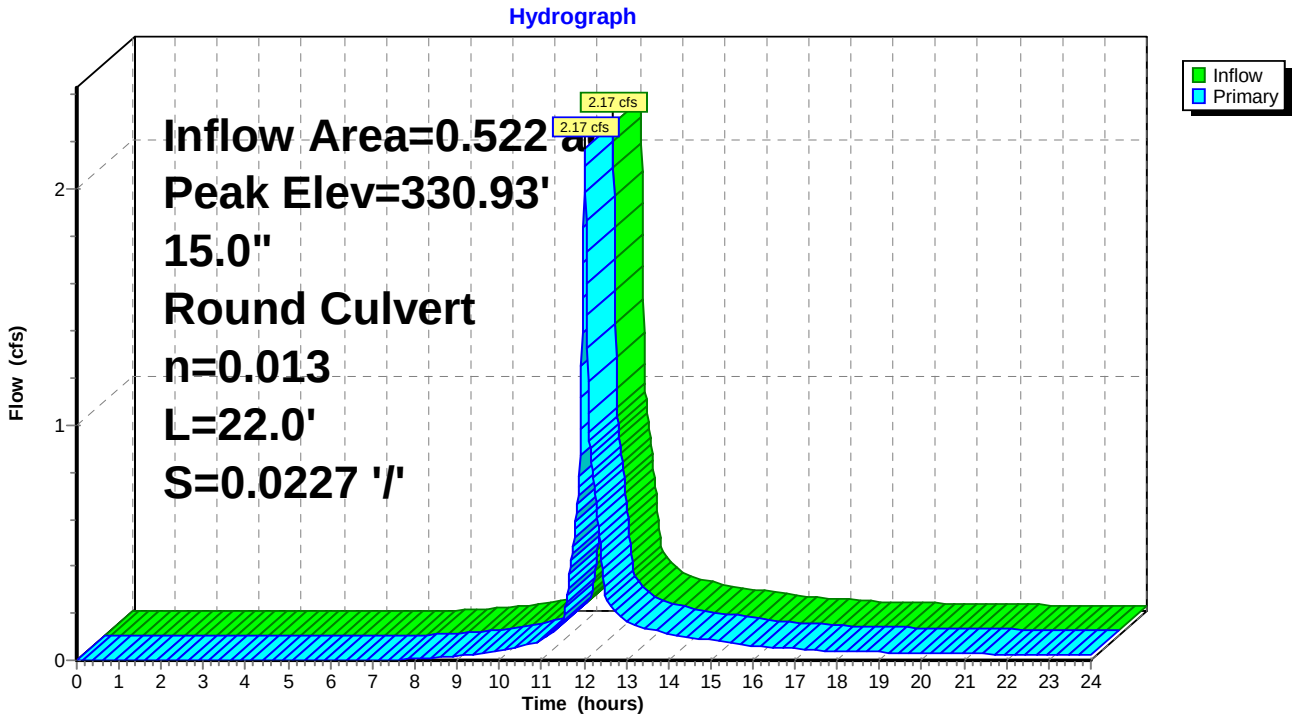
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 2.98" for 10-Year event
Inflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af
Outflow = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af, Atten= 0%, Lag= 0.0 min
Primary = 2.17 cfs @ 12.02 hrs, Volume= 0.130 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.93' @ 12.02 hrs
Flood Elev= 332.80'

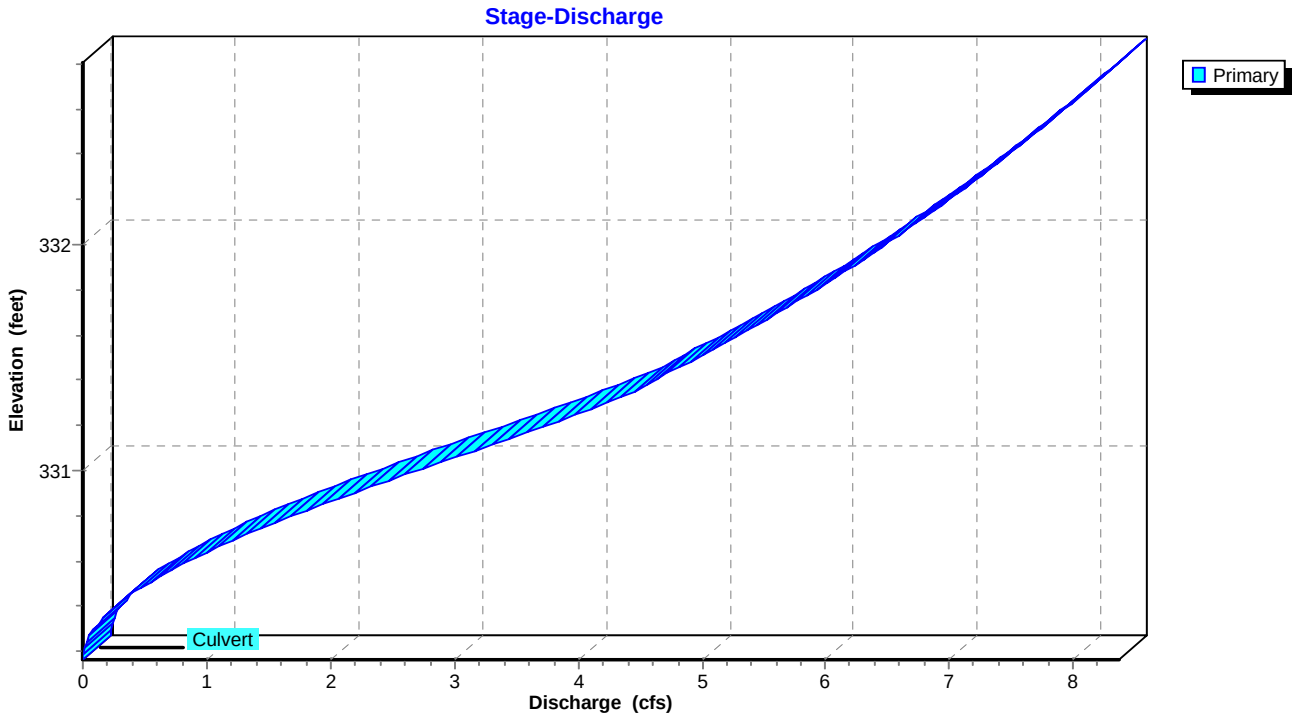
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.10 cfs @ 12.02 hrs HW=330.92' TW=330.44' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 2.10 cfs @ 3.90 fps)

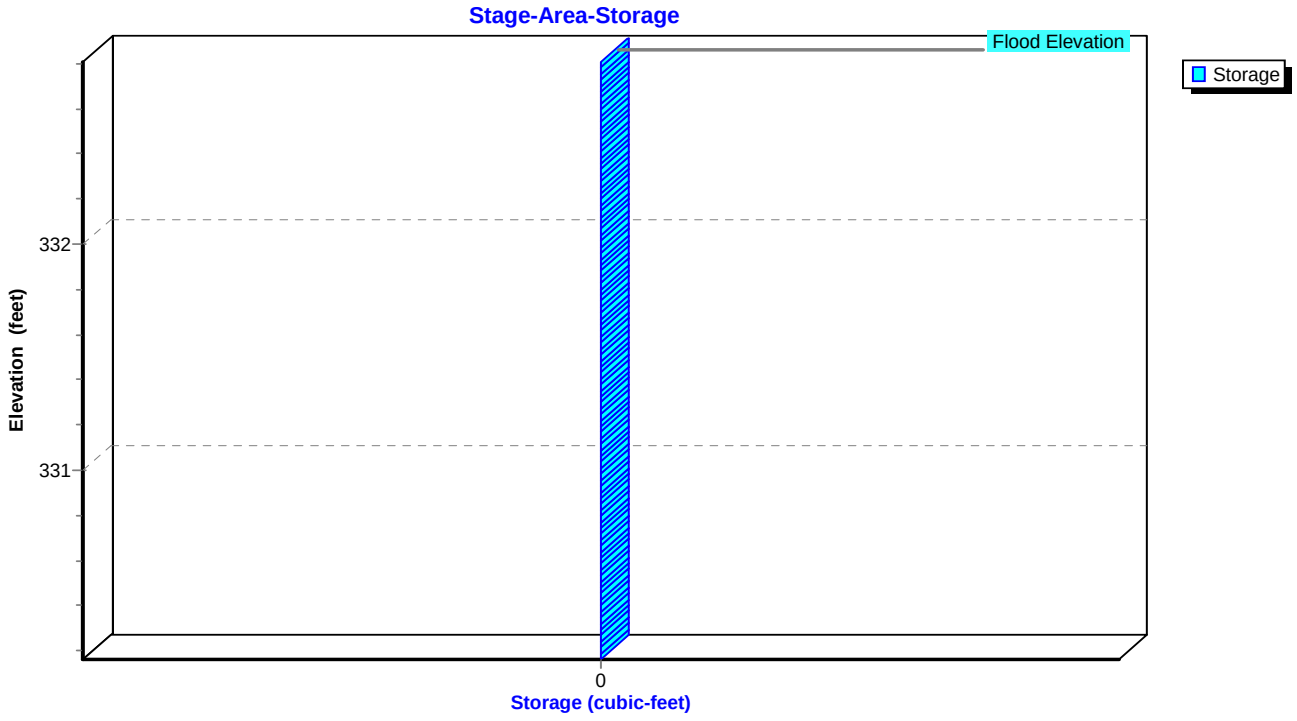
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.17	0.00
7.00	0.00	330.17	0.00
7.50	0.00	330.19	0.00
8.00	0.01	330.20	0.01
8.50	0.01	330.22	0.01
9.00	0.02	330.23	0.02
9.50	0.03	330.24	0.03
10.00	0.04	330.26	0.04
10.50	0.06	330.28	0.06
11.00	0.08	330.30	0.08
11.50	0.16	330.35	0.16
12.00	**2.00**	**330.87**	**2.00**
12.50	**0.29**	**330.41**	**0.29**
13.00	0.16	330.35	0.16
13.50	0.14	330.34	0.14
14.00	0.11	330.32	0.11
14.50	0.10	330.31	0.10
15.00	0.08	330.30	0.08
15.50	0.07	330.29	0.07
16.00	0.06	330.28	0.06
16.50	0.05	330.27	0.05
17.00	0.05	330.27	0.05
17.50	0.04	330.26	0.04
18.00	0.04	330.26	0.04
18.50	0.04	330.25	0.04
19.00	0.03	330.25	0.03
19.50	0.03	330.25	0.03
20.00	0.03	330.25	0.03
20.50	0.03	330.25	0.03
21.00	0.03	330.24	0.03
21.50	0.03	330.24	0.03
22.00	0.02	330.24	0.02
22.50	0.02	330.24	0.02
23.00	0.02	330.24	0.02
23.50	0.02	330.23	0.02
24.00	0.02	330.23	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

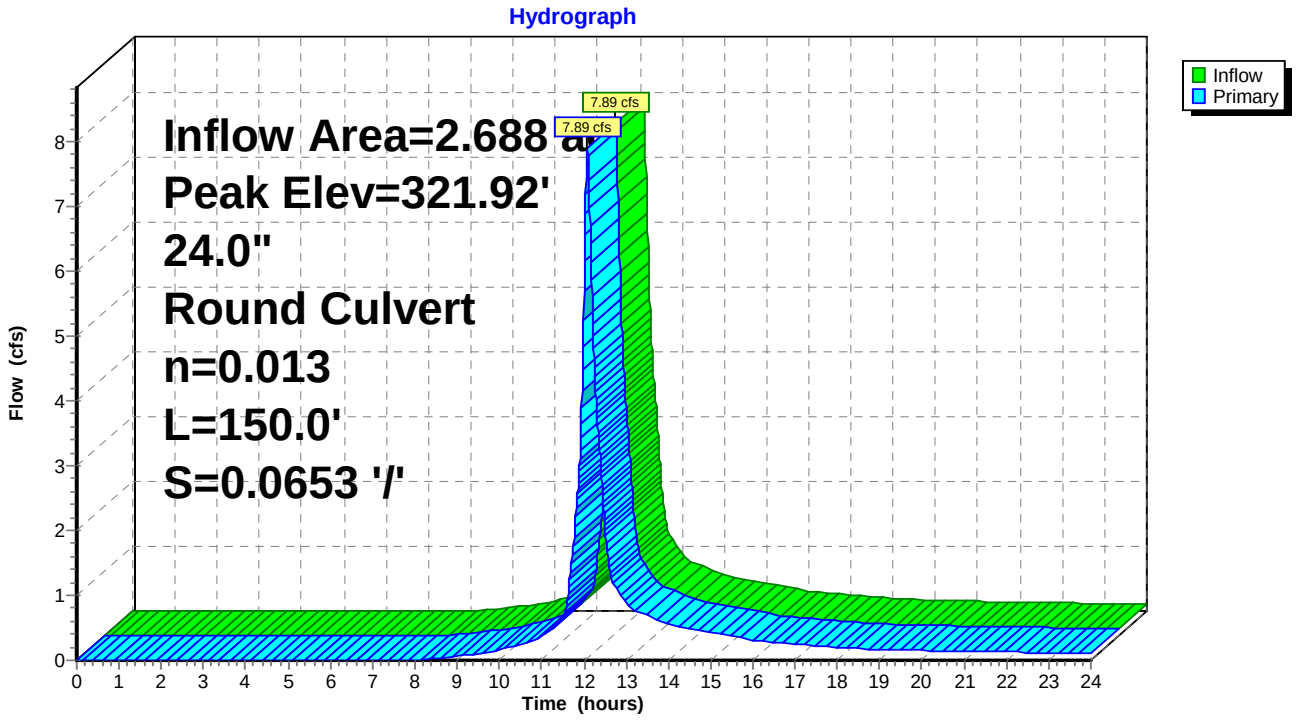
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 2.80" for 10-Year event
Inflow = 7.89 cfs @ 12.08 hrs, Volume= 0.628 af
Outflow = 7.89 cfs @ 12.08 hrs, Volume= 0.628 af, Atten= 0%, Lag= 0.0 min
Primary = 7.89 cfs @ 12.08 hrs, Volume= 0.628 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 321.92' @ 12.08 hrs
Flood Elev= 338.50'

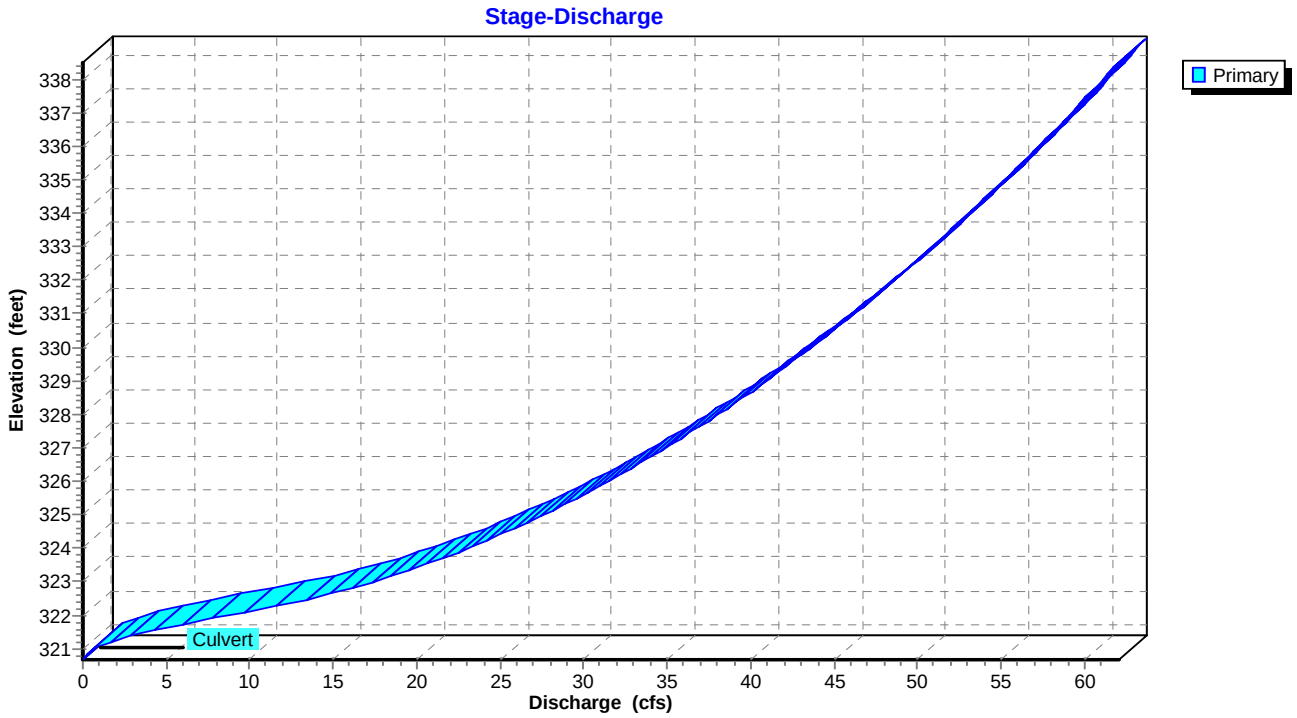
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=7.88 cfs @ 12.08 hrs HW=321.92' TW=312.09' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 7.88 cfs @ 3.81 fps)

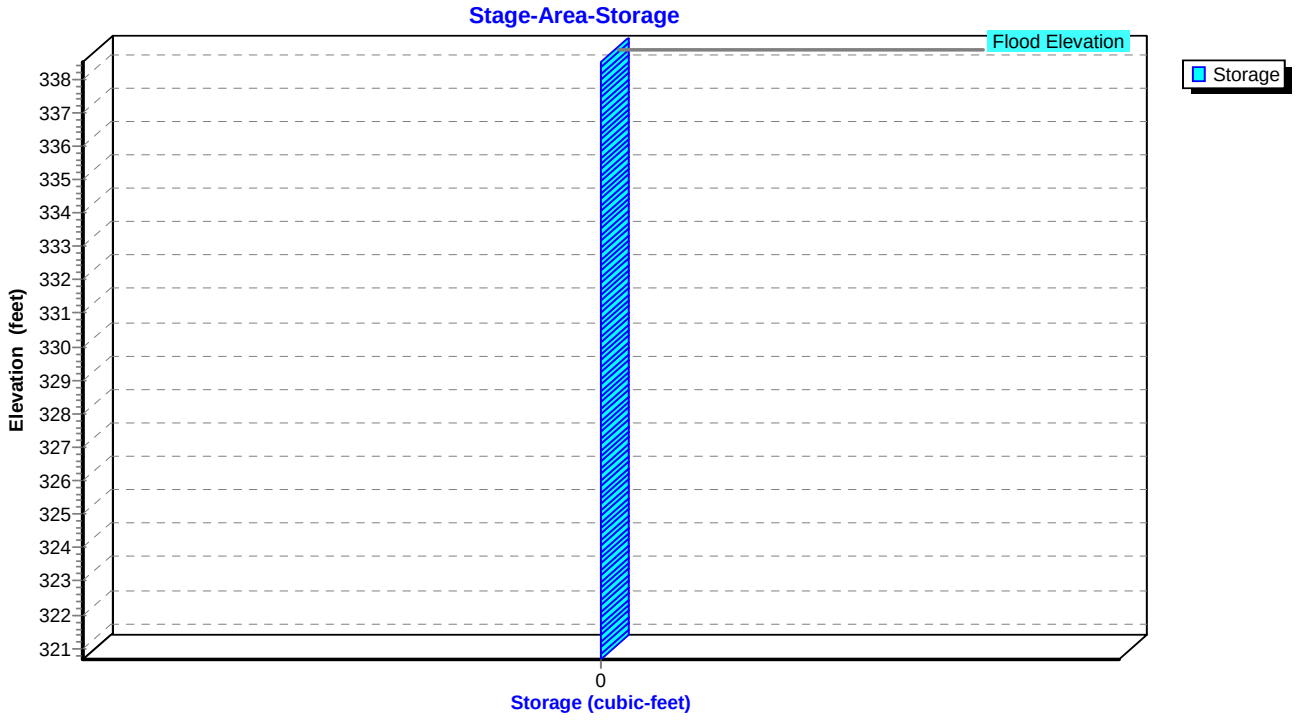
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.67	0.00
6.00	0.00	320.67	0.00
6.50	0.00	320.67	0.00
7.00	0.00	320.67	0.00
7.50	0.00	320.69	0.00
8.00	0.01	320.71	0.01
8.50	0.03	320.74	0.03
9.00	0.06	320.77	0.06
9.50	0.10	320.80	0.10
10.00	0.16	320.83	0.16
10.50	0.24	320.87	0.24
11.00	0.36	320.91	0.36
11.50	0.67	321.00	0.67
12.00	**5.69**	**321.71**	**5.69**
12.50	**2.08**	**321.27**	**2.08**
13.00	0.88	321.05	0.88
13.50	0.69	321.01	0.69
14.00	0.56	320.97	0.56
14.50	0.49	320.95	0.49
15.00	0.43	320.93	0.43
15.50	0.37	320.91	0.37
16.00	0.31	320.89	0.31
16.50	0.27	320.88	0.27
17.00	0.24	320.87	0.24
17.50	0.22	320.86	0.22
18.00	0.19	320.84	0.19
18.50	0.18	320.84	0.18
19.00	0.17	320.83	0.17
19.50	0.16	320.83	0.16
20.00	0.15	320.83	0.15
20.50	0.15	320.82	0.15
21.00	0.14	320.82	0.14
21.50	0.13	320.82	0.13
22.00	0.13	320.81	0.13
22.50	0.12	320.81	0.12
23.00	0.11	320.80	0.11
23.50	0.11	320.80	0.11
24.00	0.10	320.80	0.10

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

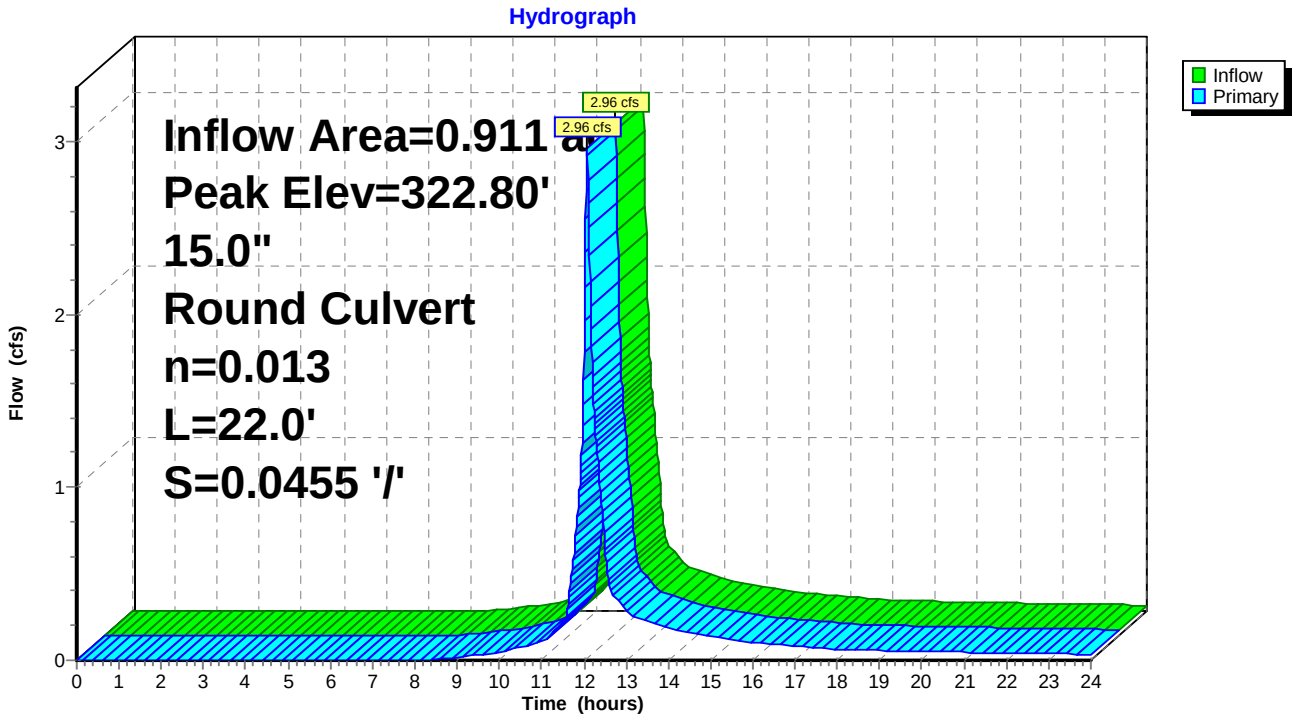
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 2.71" for 10-Year event
Inflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af
Outflow = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af, Atten= 0%, Lag= 0.0 min
Primary = 2.96 cfs @ 12.08 hrs, Volume= 0.206 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.80' @ 12.08 hrs
Flood Elev= 324.50'

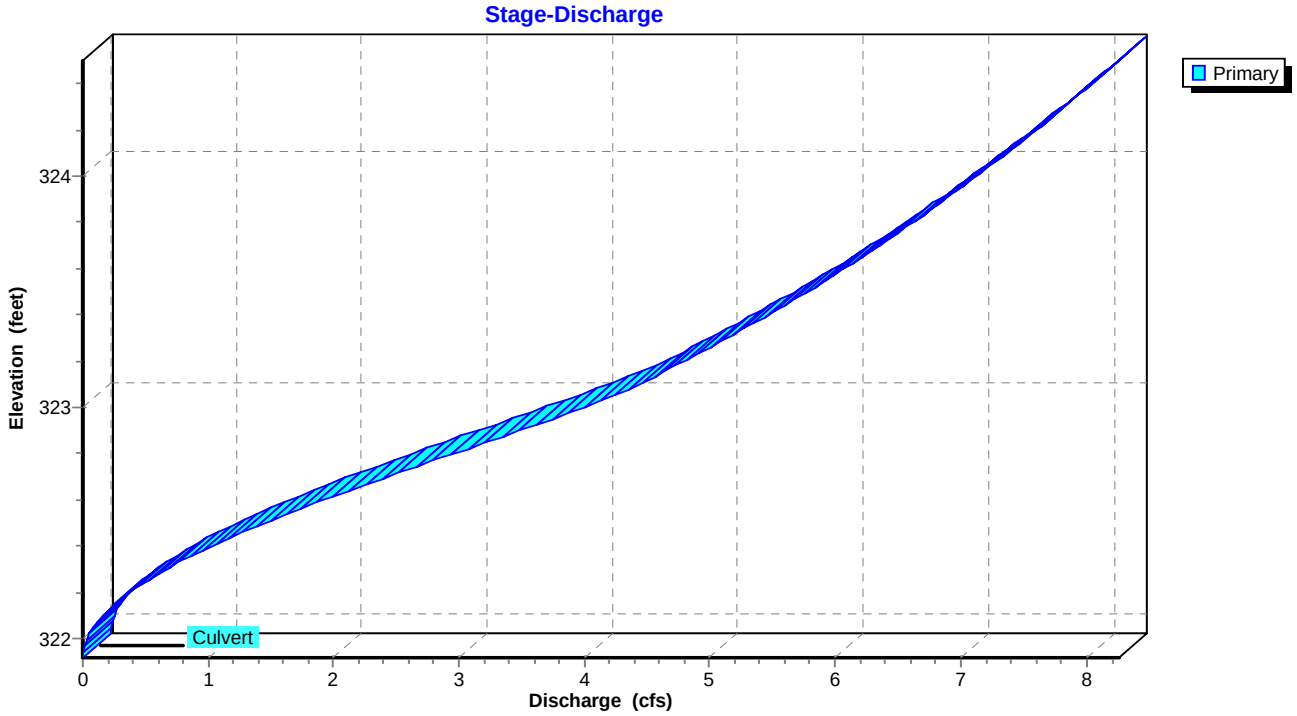
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.96 cfs @ 12.08 hrs HW=322.80' TW=321.92' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.96 cfs @ 3.20 fps)

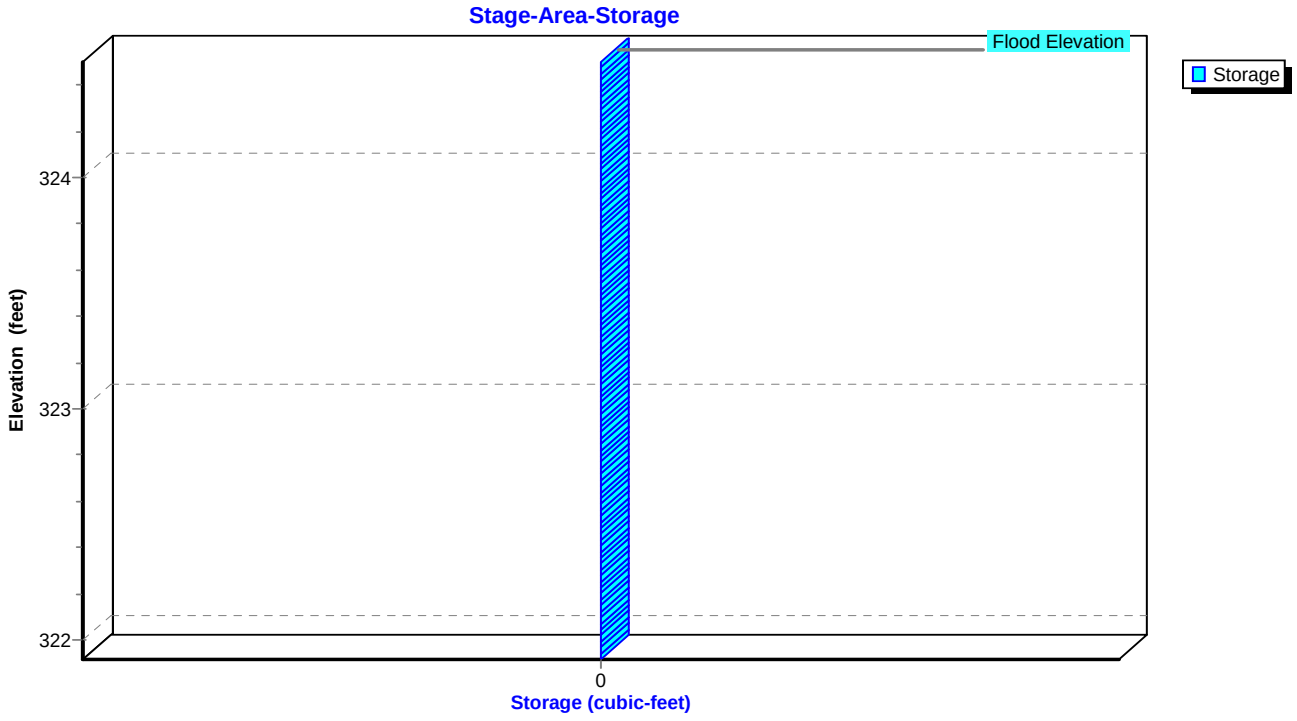
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.92	0.00
8.00	0.00	321.92	0.00
8.50	0.01	321.96	0.01
9.00	0.02	321.98	0.02
9.50	0.03	322.00	0.03
10.00	0.05	322.02	0.05
10.50	0.07	322.04	0.07
11.00	0.11	322.07	0.11
11.50	0.21	322.13	0.21
12.00	**1.79**	**322.57**	**1.79**
12.50	**0.67**	**322.30**	**0.67**
13.00	0.29	322.17	0.29
13.50	0.23	322.14	0.23
14.00	0.19	322.12	0.19
14.50	0.16	322.10	0.16
15.00	0.14	322.09	0.14
15.50	0.12	322.08	0.12
16.00	0.10	322.06	0.10
16.50	0.09	322.06	0.09
17.00	0.08	322.05	0.08
17.50	0.07	322.04	0.07
18.00	0.06	322.03	0.06
18.50	0.06	322.03	0.06
19.00	0.06	322.03	0.06
19.50	0.05	322.02	0.05
20.00	0.05	322.02	0.05
20.50	0.05	322.02	0.05
21.00	0.05	322.02	0.05
21.50	0.04	322.01	0.04
22.00	0.04	322.01	0.04
22.50	0.04	322.01	0.04
23.00	0.04	322.01	0.04
23.50	0.04	322.00	0.04
24.00	0.03	322.00	0.03

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=347.18' Inflow=6.04 cfs 0.715 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=6.04 cfs 0.715 af

Pond CB10: Catchbasin Peak Elev=312.39' Inflow=12.87 cfs 1.034 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=12.87 cfs 1.034 af

Pond CB10-1: CB1-1 Peak Elev=312.91' Inflow=3.45 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.45 cfs 0.209 af

Pond CB11: Catchbasin Peak Elev=301.63' Inflow=12.87 cfs 1.034 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=12.87 cfs 1.034 af

Pond CB11-1: CB1-1 Peak Elev=300.85' Inflow=14.78 cfs 1.232 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=14.78 cfs 1.232 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=299.78' Inflow=19.78 cfs 1.638 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=19.78 cfs 1.638 af

Pond CB13: Catchbasin Peak Elev=295.08' Inflow=22.28 cfs 1.893 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=22.28 cfs 1.893 af

Pond CB13-1: CB1-1 Peak Elev=296.58' Inflow=22.28 cfs 1.893 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=22.28 cfs 1.893 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.44' Inflow=12.84 cfs 1.452 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=12.84 cfs 1.452 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=341.81' Inflow=15.76 cfs 1.772 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=15.76 cfs 1.772 af

Pond CB4: Catchbasin Peak Elev=335.31' Inflow=21.02 cfs 2.411 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=21.02 cfs 2.411 af

Pond CB4-1: CB1-1 Peak Elev=337.24' Inflow=21.02 cfs 2.411 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=21.02 cfs 2.411 af

Pond CB5: Catchbasin Peak Elev=332.10' Inflow=26.06 cfs 2.923 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=26.06 cfs 2.923 af

Pond CB5-1: CB1-1 Peak Elev=334.53' Inflow=1.57 cfs 0.093 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.57 cfs 0.093 af

Pond CB6: Catchbasin Peak Elev=334.53' Inflow=4.66 cfs 0.419 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=4.66 cfs 0.419 af

Pond CB6-1: CB1-1 Peak Elev=337.17' Inflow=4.66 cfs 0.419 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=4.66 cfs 0.419 af

Pond CB7: Catchbasin Peak Elev=334.02' Inflow=4.97 cfs 0.384 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=4.97 cfs 0.384 af

Pond CB7-1: CB1-1 Peak Elev=335.75' Inflow=4.97 cfs 0.384 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=4.97 cfs 0.384 af

Pond CB8: Catchbasin Peak Elev=330.74' Inflow=6.44 cfs 0.553 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=6.44 cfs 0.553 af

Pond CB8-1: CB1-1 Peak Elev=331.10' Inflow=2.81 cfs 0.169 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=2.81 cfs 0.169 af

Pond CB9: Catchbasin Peak Elev=322.15' Inflow=10.34 cfs 0.825 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=10.34 cfs 0.825 af

Pond CB9-1: CB1-1 Peak Elev=322.98' Inflow=3.90 cfs 0.271 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=3.90 cfs 0.271 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

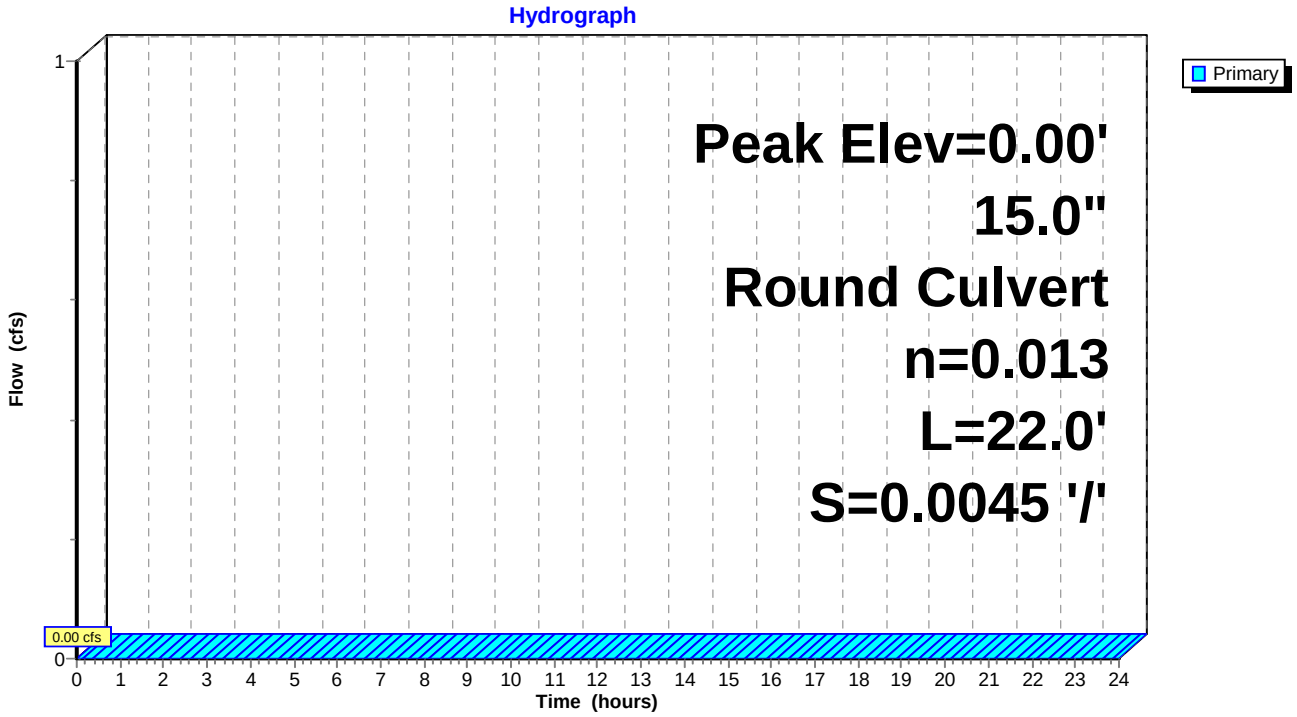
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

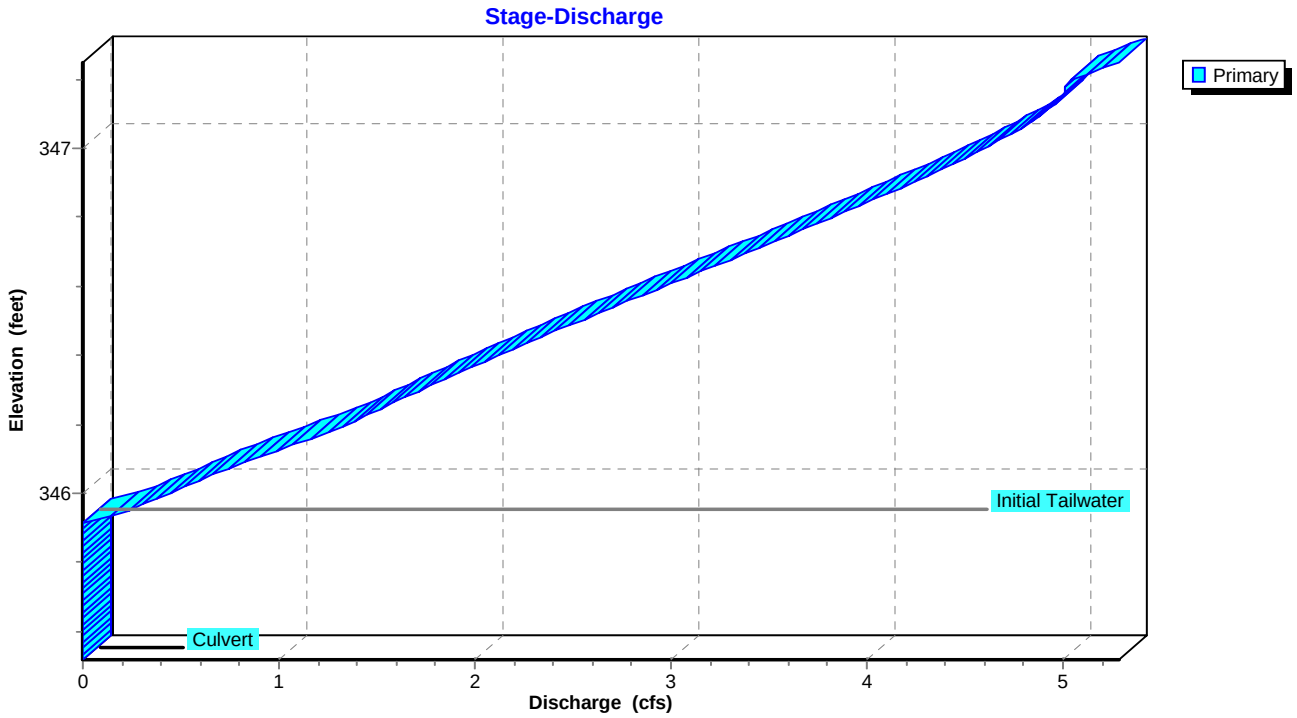
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

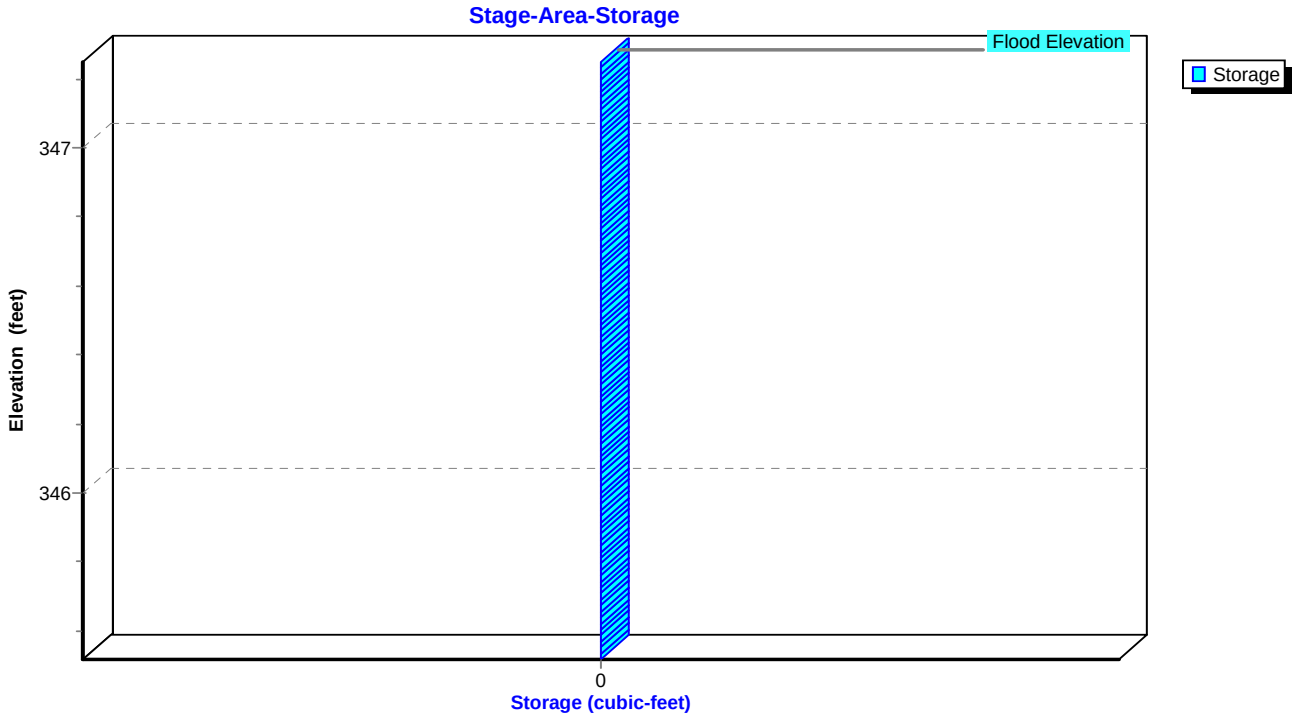
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

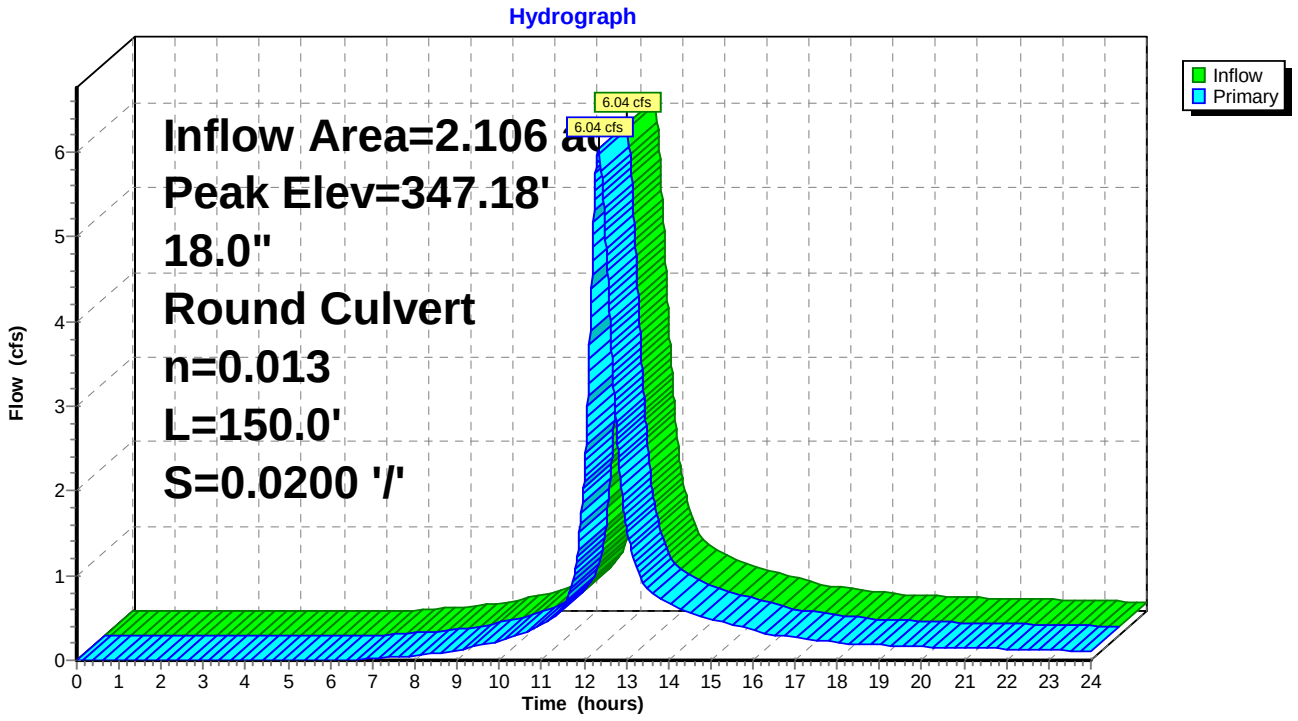
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 4.07" for 25-Year event
Inflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af
Outflow = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af, Atten= 0%, Lag= 0.0 min
Primary = 6.04 cfs @ 12.34 hrs, Volume= 0.715 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 347.18' @ 12.34 hrs
Flood Elev= 348.80'

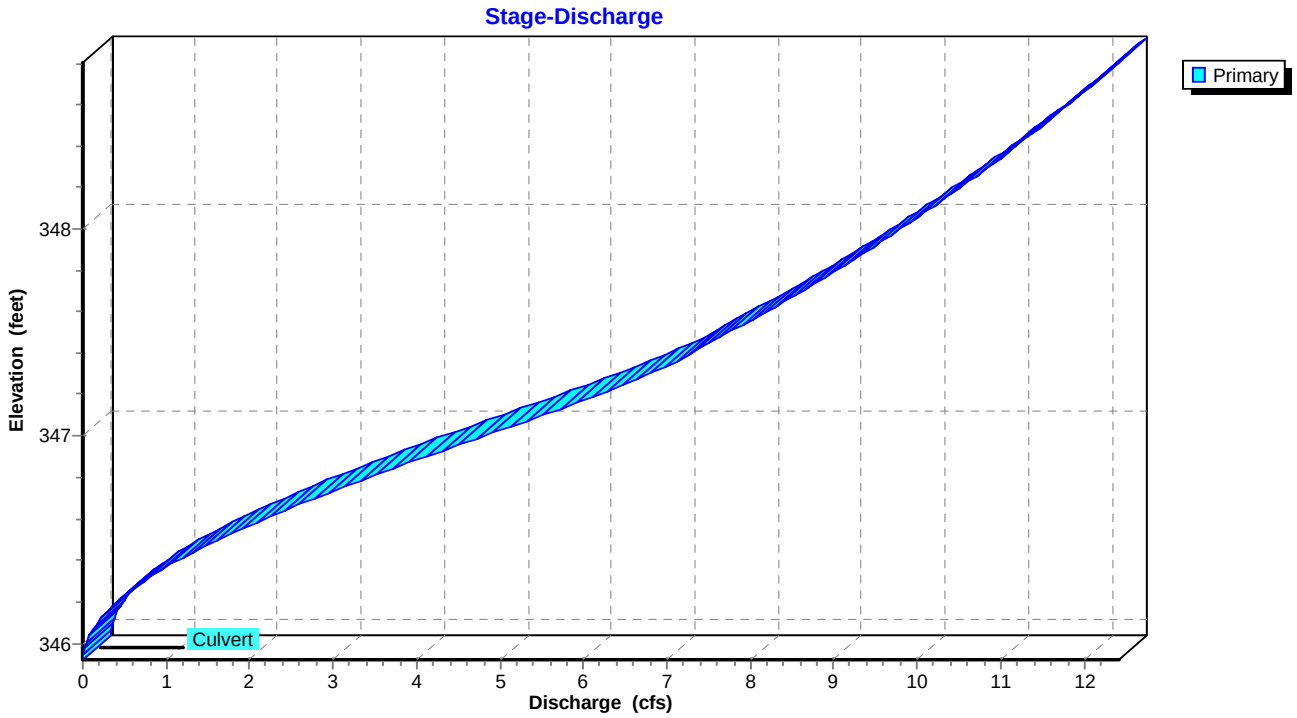
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=6.04 cfs @ 12.34 hrs HW=347.18' TW=344.41' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.04 cfs @ 3.82 fps)

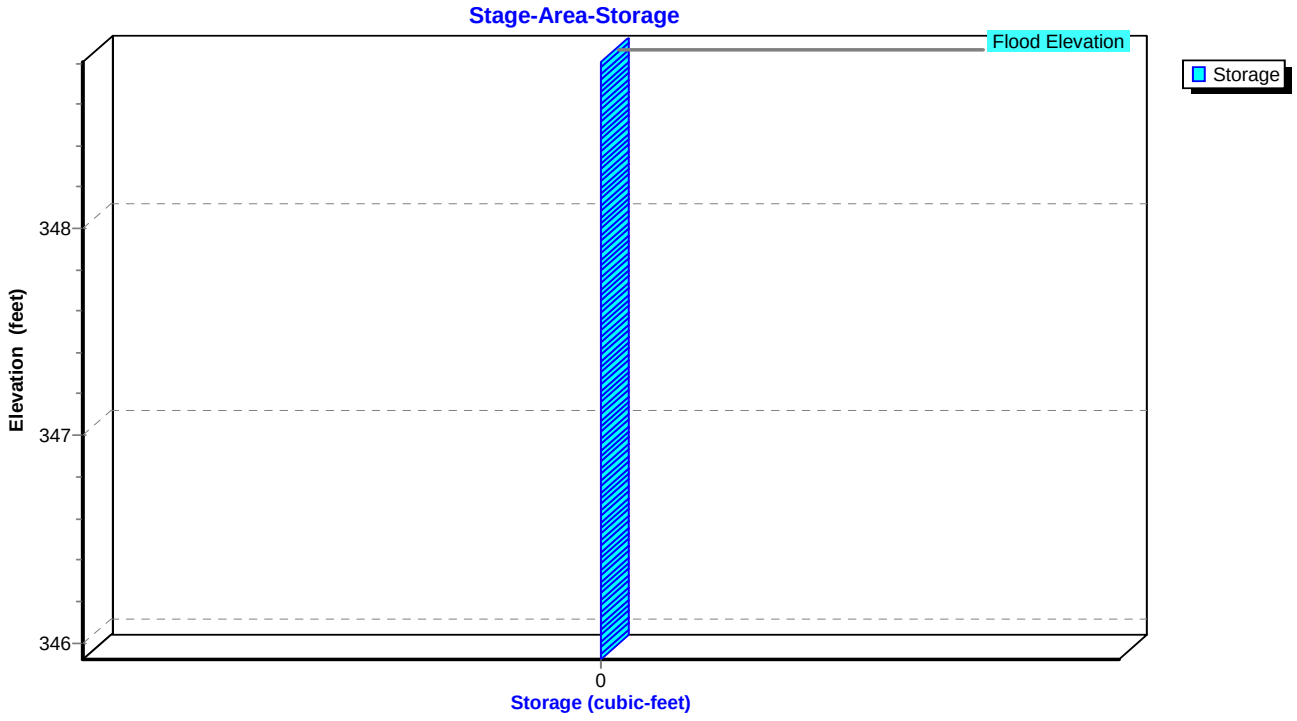
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.00	345.92	0.00
6.00	0.00	345.93	0.00
6.50	0.01	345.96	0.01
7.00	0.02	345.98	0.02
7.50	0.04	346.00	0.04
8.00	0.06	346.02	0.06
8.50	0.08	346.04	0.08
9.00	0.12	346.07	0.12
9.50	0.17	346.10	0.17
10.00	0.23	346.13	0.23
10.50	0.31	346.16	0.31
11.00	0.43	346.21	0.43
11.50	0.64	346.27	0.64
12.00	**2.10**	**346.59**	**2.10**
12.50	**5.16**	**347.05**	**5.16**
13.00	1.60	346.49	1.60
13.50	0.85	346.33	0.85
14.00	0.67	346.28	0.67
14.50	0.56	346.25	0.56
15.00	0.49	346.23	0.49
15.50	0.42	346.20	0.42
16.00	0.36	346.18	0.36
16.50	0.30	346.16	0.30
17.00	0.27	346.15	0.27
17.50	0.24	346.13	0.24
18.00	0.21	346.12	0.21
18.50	0.19	346.11	0.19
19.00	0.18	346.10	0.18
19.50	0.17	346.10	0.17
20.00	0.16	346.09	0.16
20.50	0.15	346.09	0.15
21.00	0.15	346.08	0.15
21.50	0.14	346.08	0.14
22.00	0.13	346.08	0.13
22.50	0.13	346.07	0.13
23.00	0.12	346.07	0.12
23.50	0.11	346.06	0.11
24.00	0.11	346.06	0.11

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

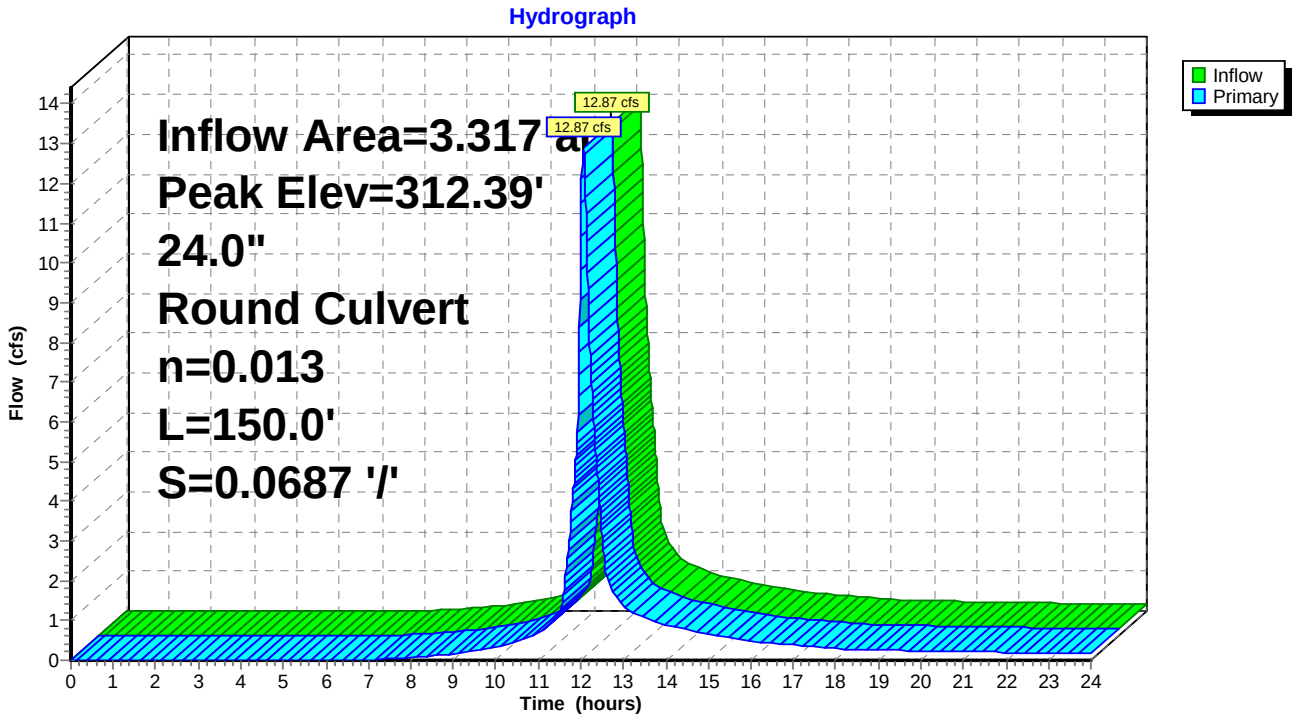
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 3.74" for 25-Year event
Inflow = 12.87 cfs @ 12.06 hrs, Volume= 1.034 af
Outflow = 12.87 cfs @ 12.06 hrs, Volume= 1.034 af, Atten= 0%, Lag= 0.0 min
Primary = 12.87 cfs @ 12.06 hrs, Volume= 1.034 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.39' @ 12.06 hrs
Flood Elev= 313.50'

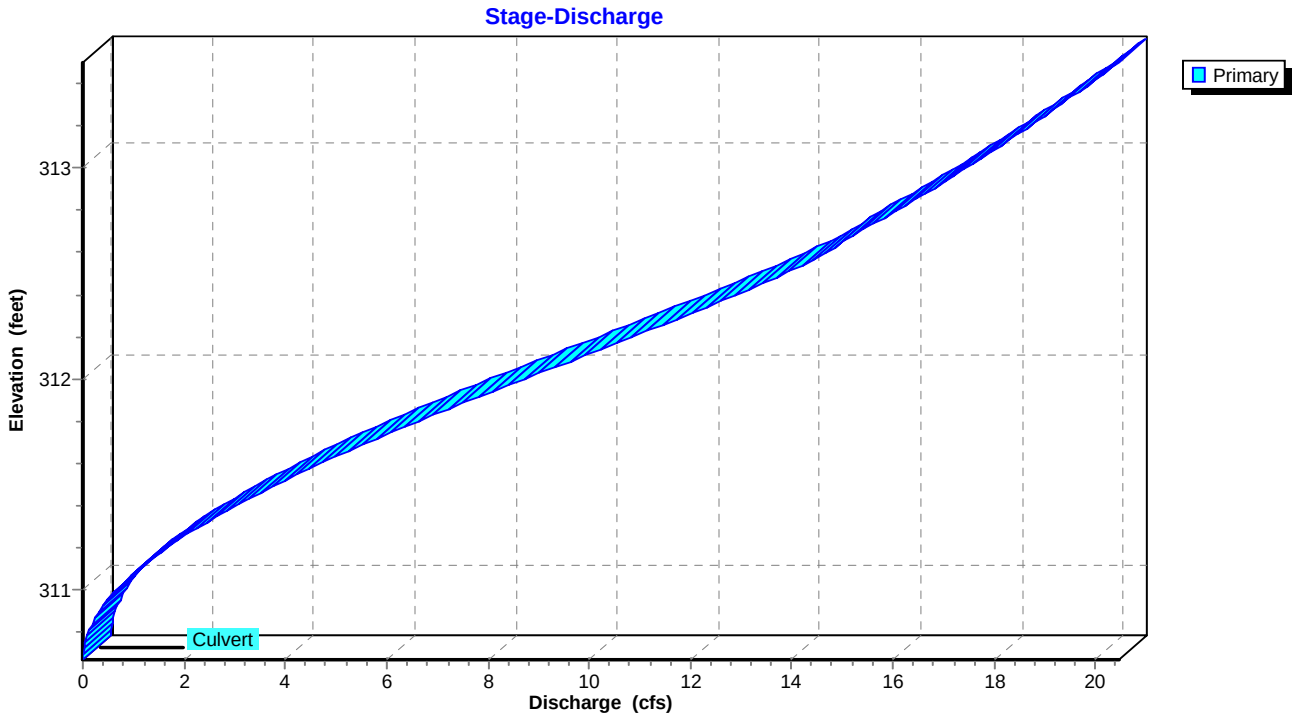
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.87 cfs @ 12.06 hrs HW=312.39' TW=301.63' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.87 cfs @ 4.47 fps)

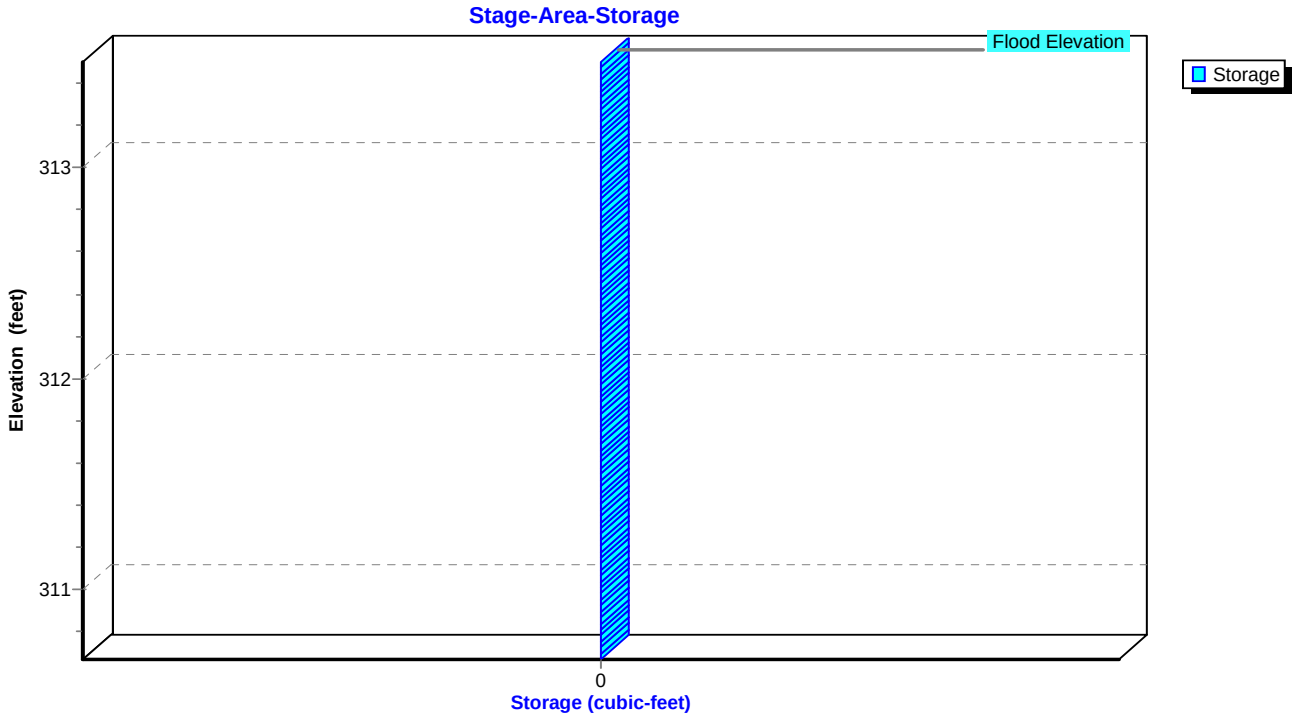
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.67	0.00
6.00	0.00	310.67	0.00
6.50	0.00	310.69	0.00
7.00	0.01	310.71	0.01
7.50	0.03	310.74	0.03
8.00	0.06	310.77	0.06
8.50	0.10	310.80	0.10
9.00	0.17	310.83	0.17
9.50	0.24	310.87	0.24
10.00	0.33	310.90	0.33
10.50	0.48	310.95	0.48
11.00	0.67	311.00	0.67
11.50	1.22	311.12	1.22
12.00	**10.67**	**312.18**	**10.67**
12.50	**3.11**	**311.41**	**3.11**
13.00	1.36	311.15	1.36
13.50	1.08	311.09	1.08
14.00	0.88	311.05	0.88
14.50	0.77	311.03	0.77
15.00	0.67	311.00	0.67
15.50	0.57	310.98	0.57
16.00	0.47	310.95	0.47
16.50	0.42	310.93	0.42
17.00	0.38	310.92	0.38
17.50	0.34	310.90	0.34
18.00	0.29	310.89	0.29
18.50	0.27	310.88	0.27
19.00	0.26	310.87	0.26
19.50	0.25	310.87	0.25
20.00	0.23	310.86	0.23
20.50	0.22	310.86	0.22
21.00	0.21	310.86	0.21
21.50	0.20	310.85	0.20
22.00	0.19	310.85	0.19
22.50	0.18	310.84	0.18
23.00	0.17	310.84	0.17
23.50	0.16	310.83	0.16
24.00	0.15	310.83	0.15

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

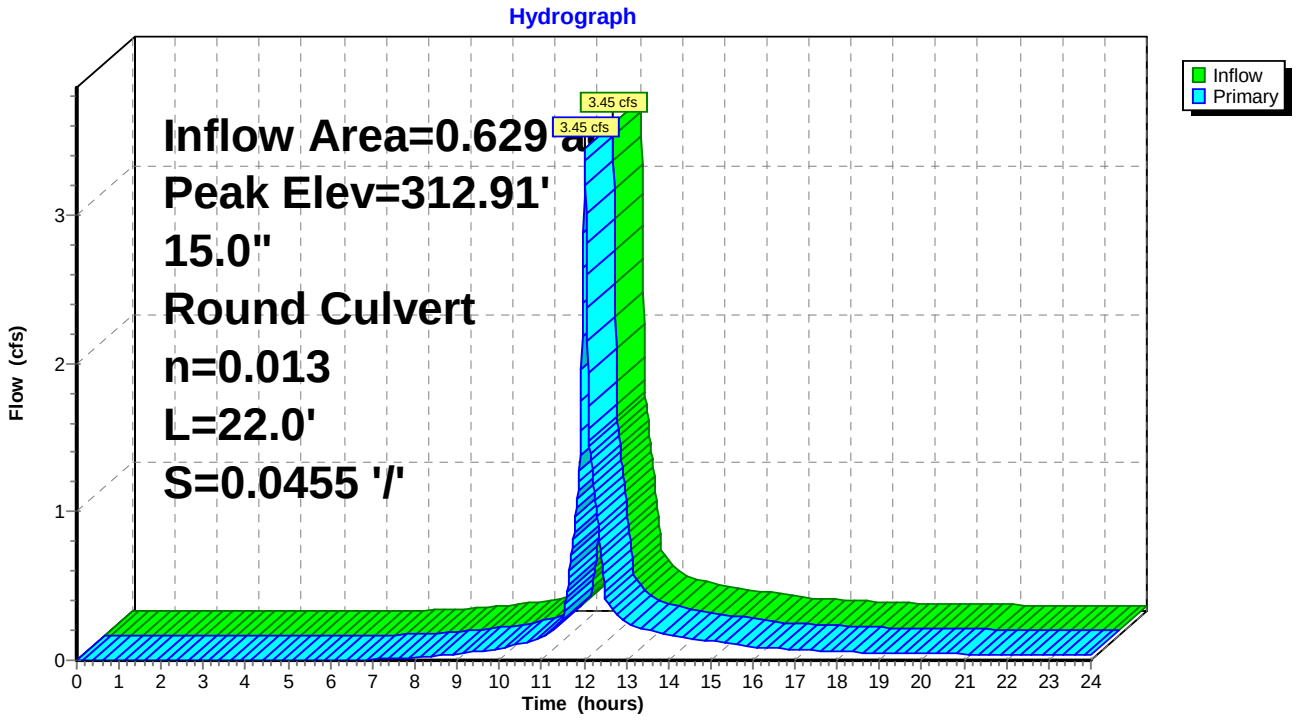
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 3.99" for 25-Year event
Inflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.45 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.91' @ 12.03 hrs
Flood Elev= 314.50'

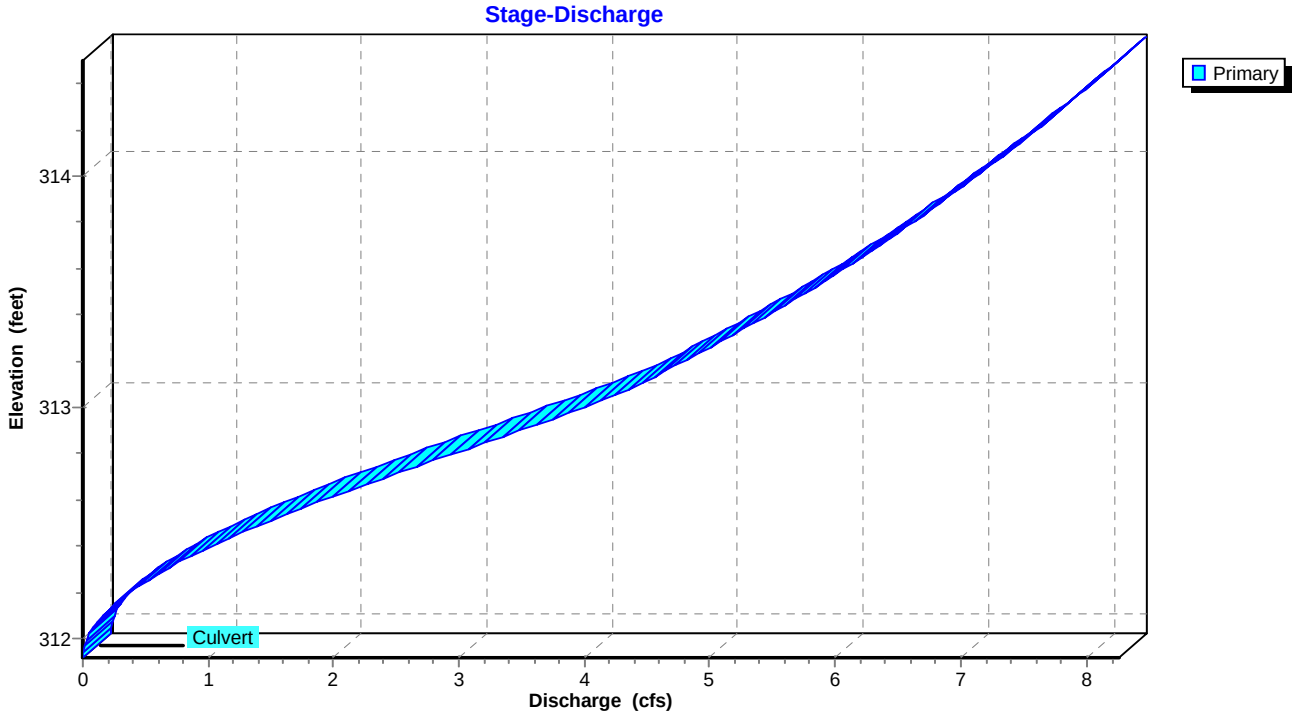
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.29 cfs @ 12.02 hrs HW=312.90' TW=312.32' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 3.29 cfs @ 4.37 fps)

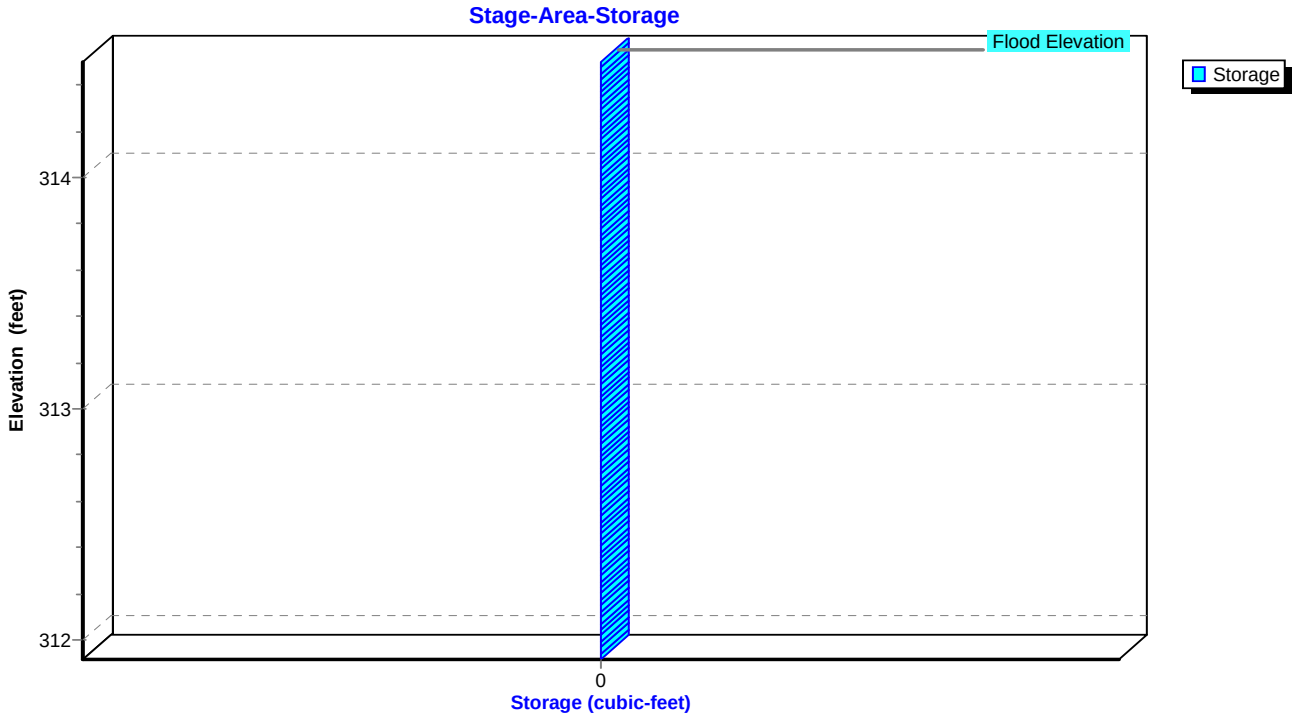
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.92	0.00
6.00	0.00	311.92	0.00
6.50	0.00	311.94	0.00
7.00	0.01	311.96	0.01
7.50	0.01	311.97	0.01
8.00	0.02	311.98	0.02
8.50	0.03	312.00	0.03
9.00	0.04	312.01	0.04
9.50	0.06	312.03	0.06
10.00	0.08	312.05	0.08
10.50	0.11	312.07	0.11
11.00	0.15	312.10	0.15
11.50	0.27	312.16	0.27
12.00	**3.13**	**312.83**	**3.13**
12.50	**0.45**	**312.23**	**0.45**
13.00	0.25	312.15	0.25
13.50	0.21	312.13	0.21
14.00	0.17	312.11	0.17
14.50	0.15	312.09	0.15
15.00	0.13	312.08	0.13
15.50	0.11	312.07	0.11
16.00	0.09	312.06	0.09
16.50	0.08	312.05	0.08
17.00	0.07	312.04	0.07
17.50	0.06	312.03	0.06
18.00	0.06	312.03	0.06
18.50	0.05	312.02	0.05
19.00	0.05	312.02	0.05
19.50	0.05	312.02	0.05
20.00	0.05	312.02	0.05
20.50	0.04	312.01	0.04
21.00	0.04	312.01	0.04
21.50	0.04	312.01	0.04
22.00	0.04	312.01	0.04
22.50	0.04	312.00	0.04
23.00	0.03	312.00	0.03
23.50	0.03	312.00	0.03
24.00	0.03	312.00	0.03

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

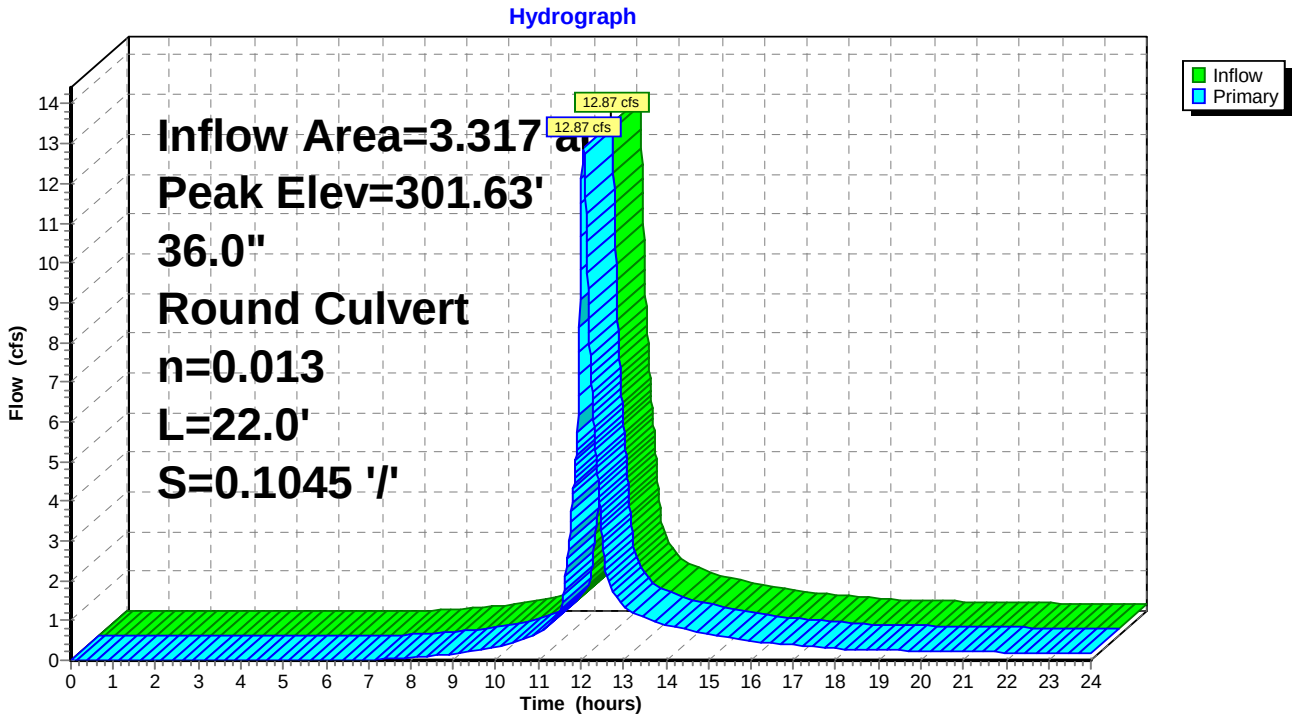
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 3.74" for 25-Year event
Inflow = 12.87 cfs @ 12.06 hrs, Volume= 1.034 af
Outflow = 12.87 cfs @ 12.06 hrs, Volume= 1.034 af, Atten= 0%, Lag= 0.0 min
Primary = 12.87 cfs @ 12.06 hrs, Volume= 1.034 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.63' @ 12.07 hrs
Flood Elev= 302.00'

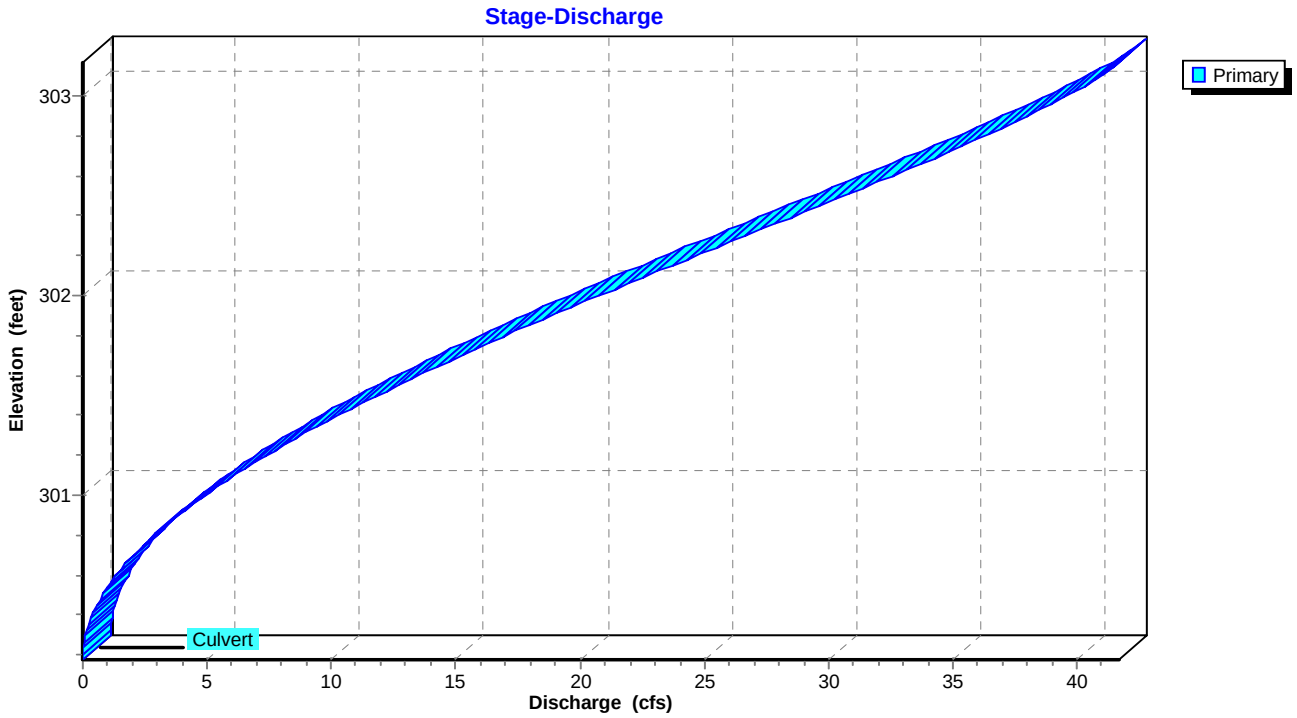
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=12.72 cfs @ 12.06 hrs HW=301.63' TW=300.83' (Dynamic Tailwater)
1=Culvert (Outlet Controls 12.72 cfs @ 5.47 fps)

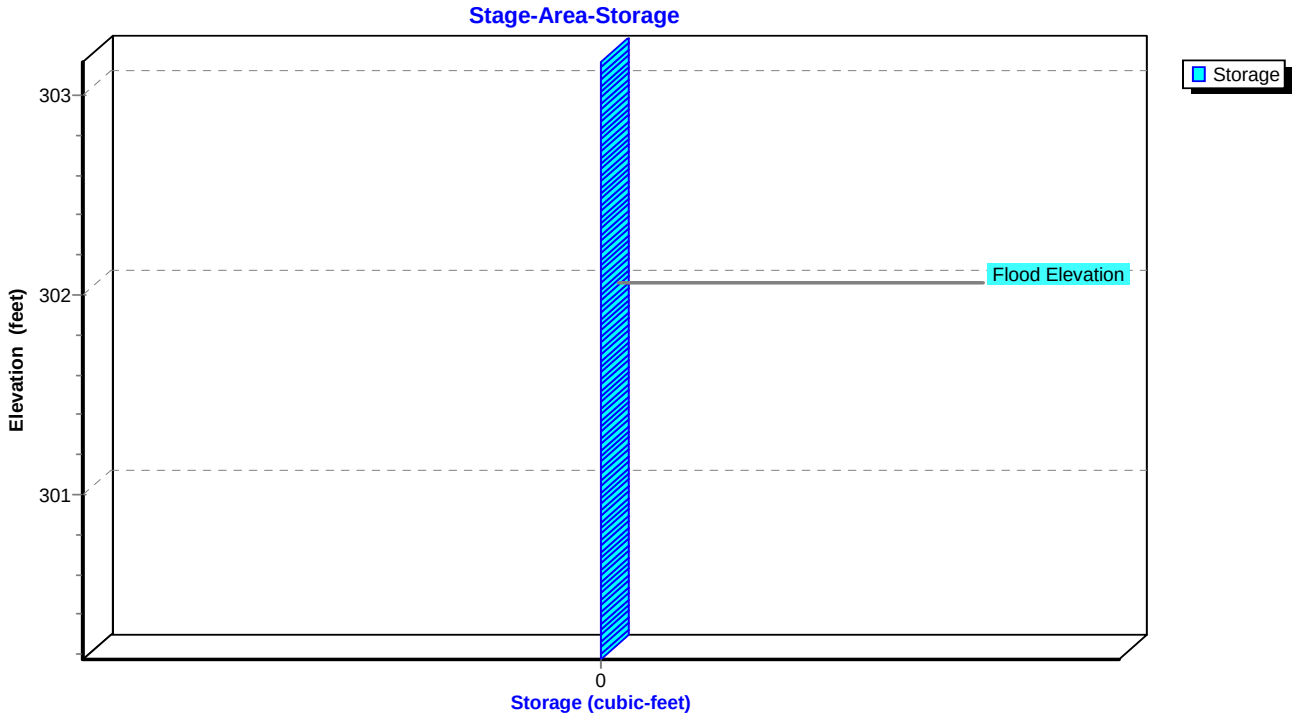
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.17	0.00
6.00	0.00	300.17	0.00
6.50	0.00	300.19	0.00
7.00	0.01	300.21	0.01
7.50	0.03	300.23	0.03
8.00	0.06	300.26	0.06
8.50	0.10	300.29	0.10
9.00	0.17	300.32	0.17
9.50	0.24	300.35	0.24
10.00	0.33	300.38	0.33
10.50	0.48	300.42	0.48
11.00	0.67	300.47	0.67
11.50	1.22	300.57	1.22
12.00	**10.67**	**301.42**	**10.67**
12.50	**3.11**	**300.82**	**3.11**
13.00	1.36	300.60	1.36
13.50	1.08	300.55	1.08
14.00	0.88	300.51	0.88
14.50	0.77	300.49	0.77
15.00	0.67	300.47	0.67
15.50	0.57	300.44	0.57
16.00	0.47	300.42	0.47
16.50	0.42	300.40	0.42
17.00	0.38	300.39	0.38
17.50	0.34	300.38	0.34
18.00	0.29	300.36	0.29
18.50	0.27	300.36	0.27
19.00	0.26	300.35	0.26
19.50	0.25	300.35	0.25
20.00	0.23	300.34	0.23
20.50	0.22	300.34	0.22
21.00	0.21	300.34	0.21
21.50	0.20	300.33	0.20
22.00	0.19	300.33	0.19
22.50	0.18	300.32	0.18
23.00	0.17	300.32	0.17
23.50	0.16	300.32	0.16
24.00	0.15	300.31	0.15

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

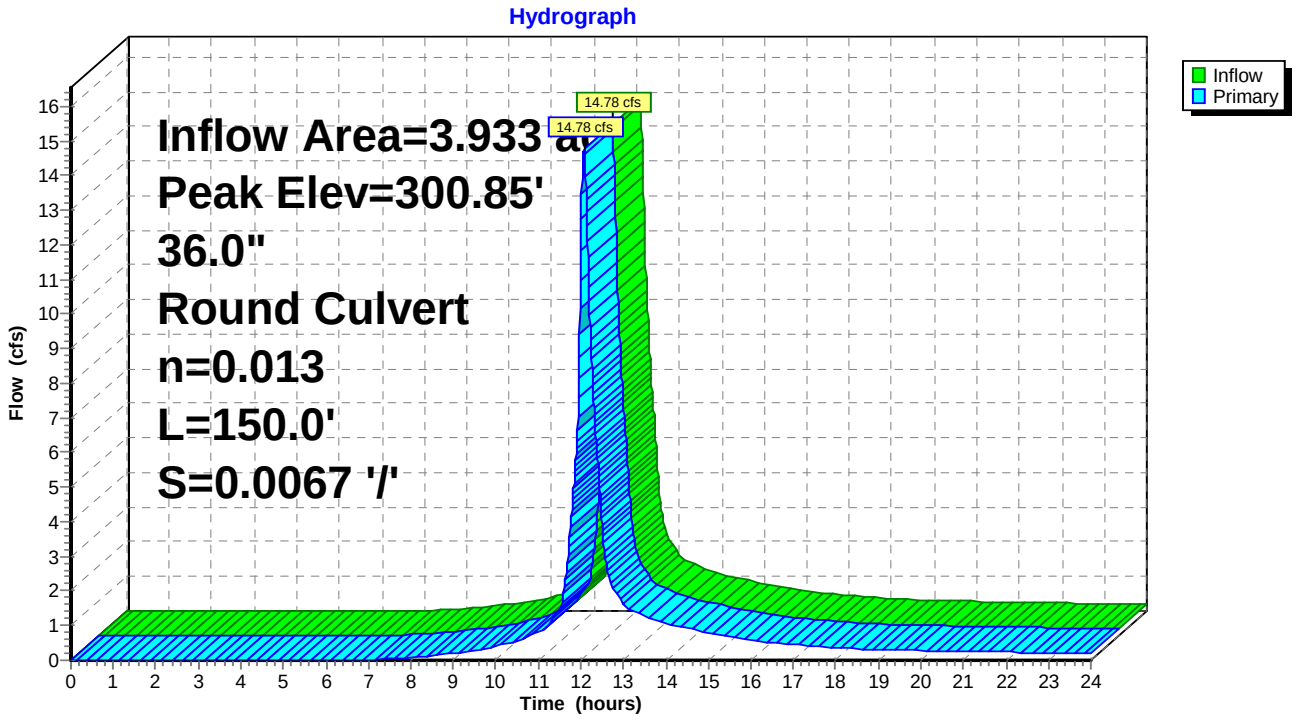
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 3.76" for 25-Year event
Inflow = 14.78 cfs @ 12.07 hrs, Volume= 1.232 af
Outflow = 14.78 cfs @ 12.07 hrs, Volume= 1.232 af, Atten= 0%, Lag= 0.0 min
Primary = 14.78 cfs @ 12.07 hrs, Volume= 1.232 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.85' @ 12.08 hrs
Flood Elev= 304.80'

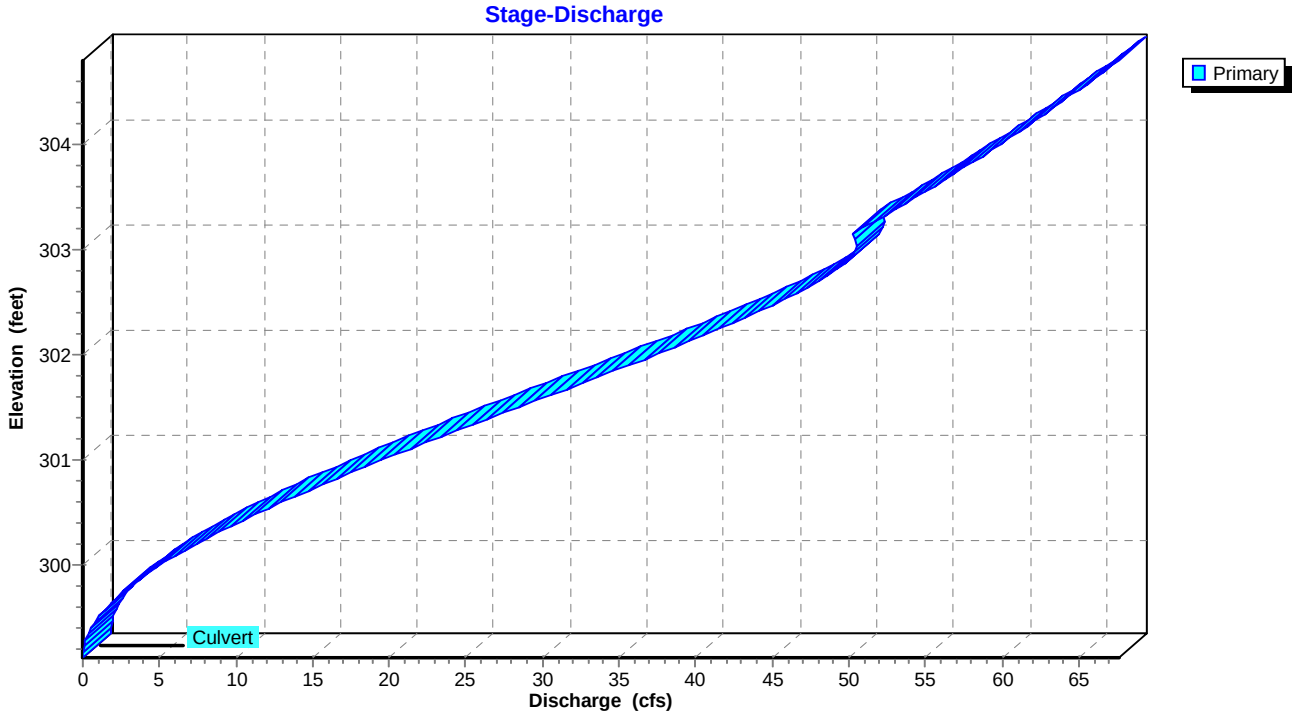
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=14.65 cfs @ 12.07 hrs HW=300.84' TW=299.77' (Dynamic Tailwater)
1=Culvert (Outlet Controls 14.65 cfs @ 5.03 fps)

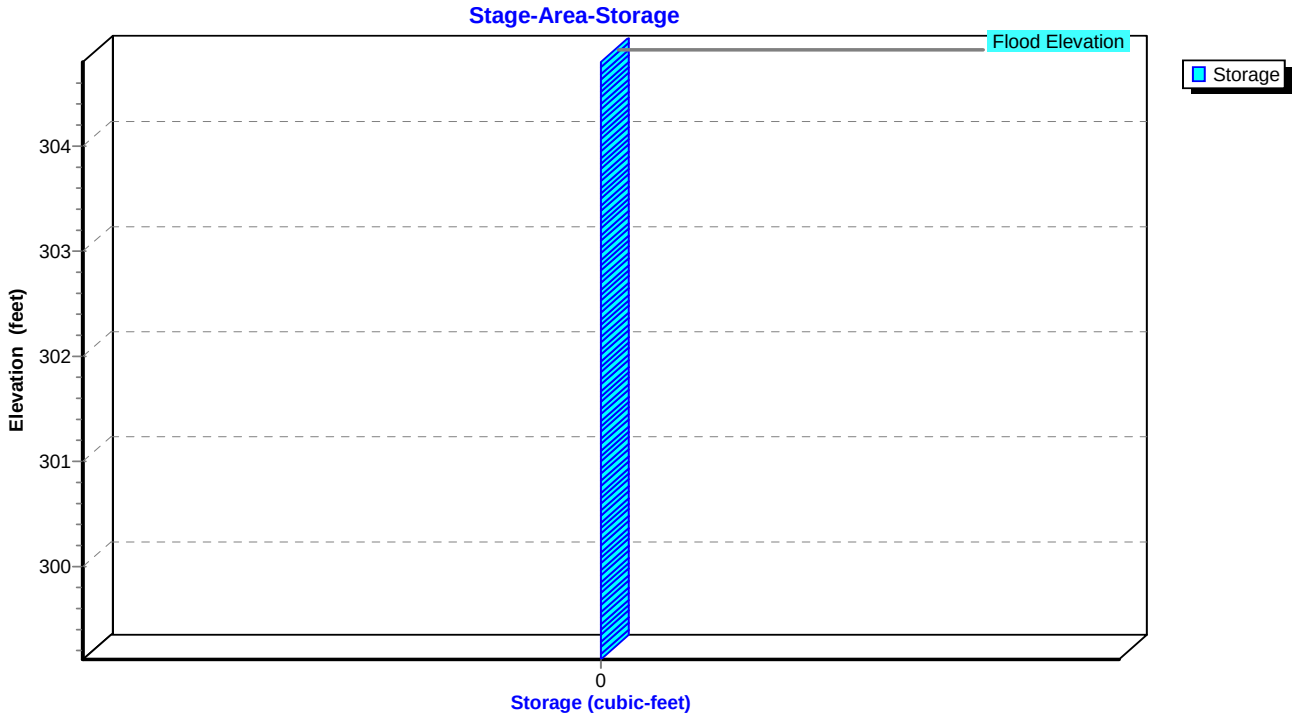
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.12	0.00
6.00	0.00	299.12	0.00
6.50	0.00	299.15	0.00
7.00	0.01	299.17	0.01
7.50	0.04	299.20	0.04
8.00	0.07	299.23	0.07
8.50	0.13	299.26	0.13
9.00	0.20	299.30	0.20
9.50	0.29	299.33	0.29
10.00	0.40	299.37	0.40
10.50	0.57	299.41	0.57
11.00	0.80	299.47	0.80
11.50	1.44	299.58	1.44
12.00	**11.86**	**300.59**	**11.86**
12.50	**3.92**	**299.92**	**3.92**
13.00	1.64	299.62	1.64
13.50	1.29	299.56	1.29
14.00	1.05	299.52	1.05
14.50	0.92	299.49	0.92
15.00	0.80	299.47	0.80
15.50	0.68	299.44	0.68
16.00	0.57	299.41	0.57
16.50	0.50	299.40	0.50
17.00	0.45	299.38	0.45
17.50	0.40	299.37	0.40
18.00	0.35	299.35	0.35
18.50	0.33	299.34	0.33
19.00	0.31	299.34	0.31
19.50	0.29	299.33	0.29
20.00	0.28	299.33	0.28
20.50	0.27	299.32	0.27
21.00	0.26	299.32	0.26
21.50	0.24	299.32	0.24
22.00	0.23	299.31	0.23
22.50	0.22	299.31	0.22
23.00	0.21	299.30	0.21
23.50	0.20	299.30	0.20
24.00	0.18	299.29	0.18

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

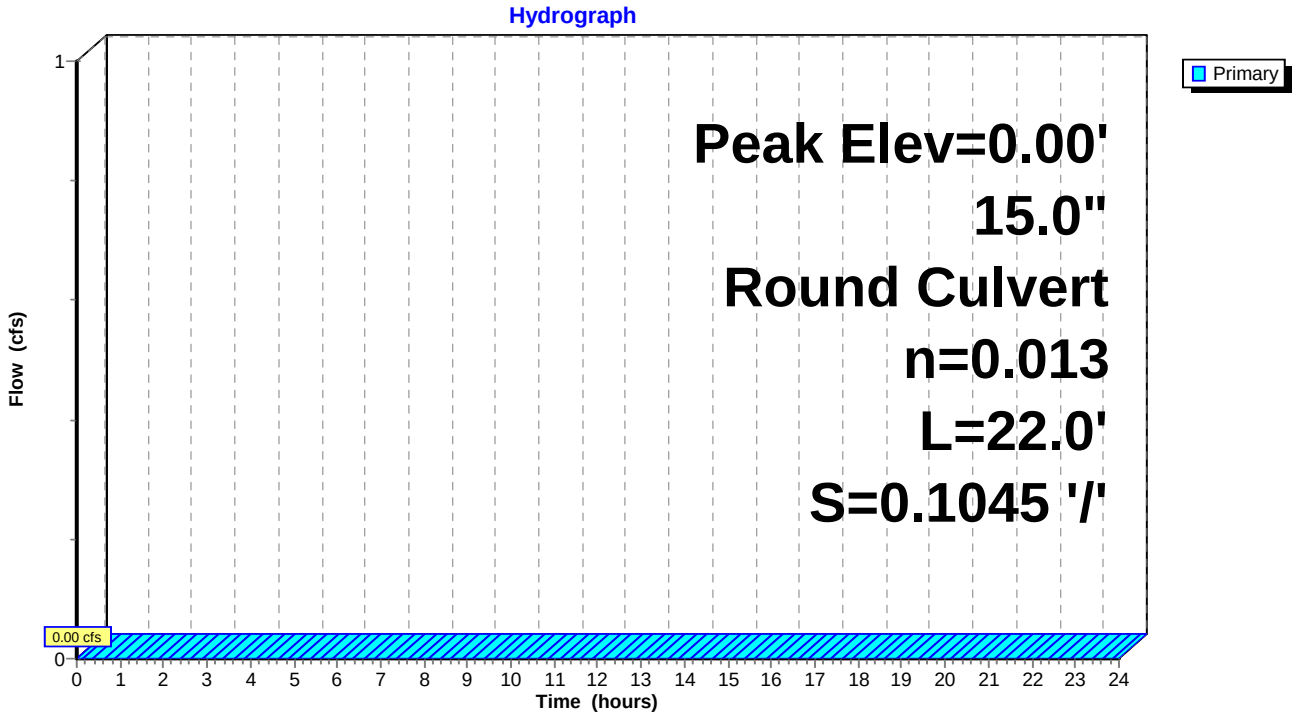
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

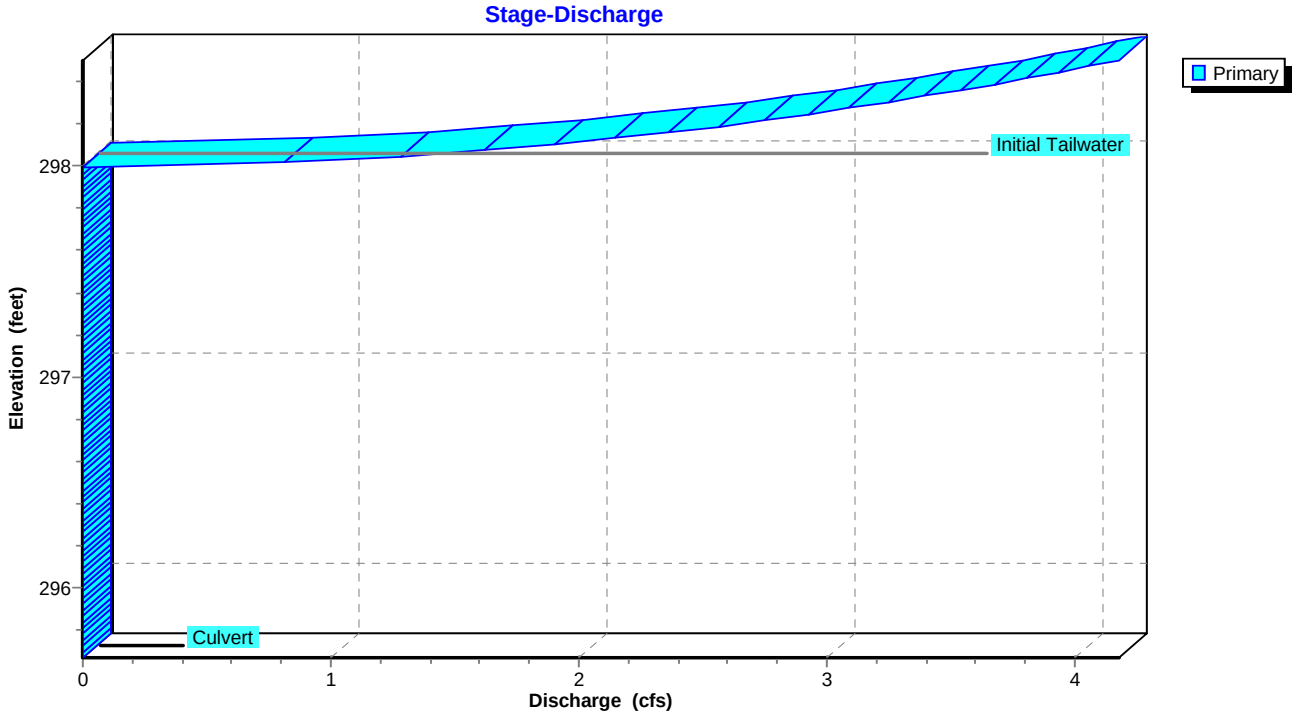
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

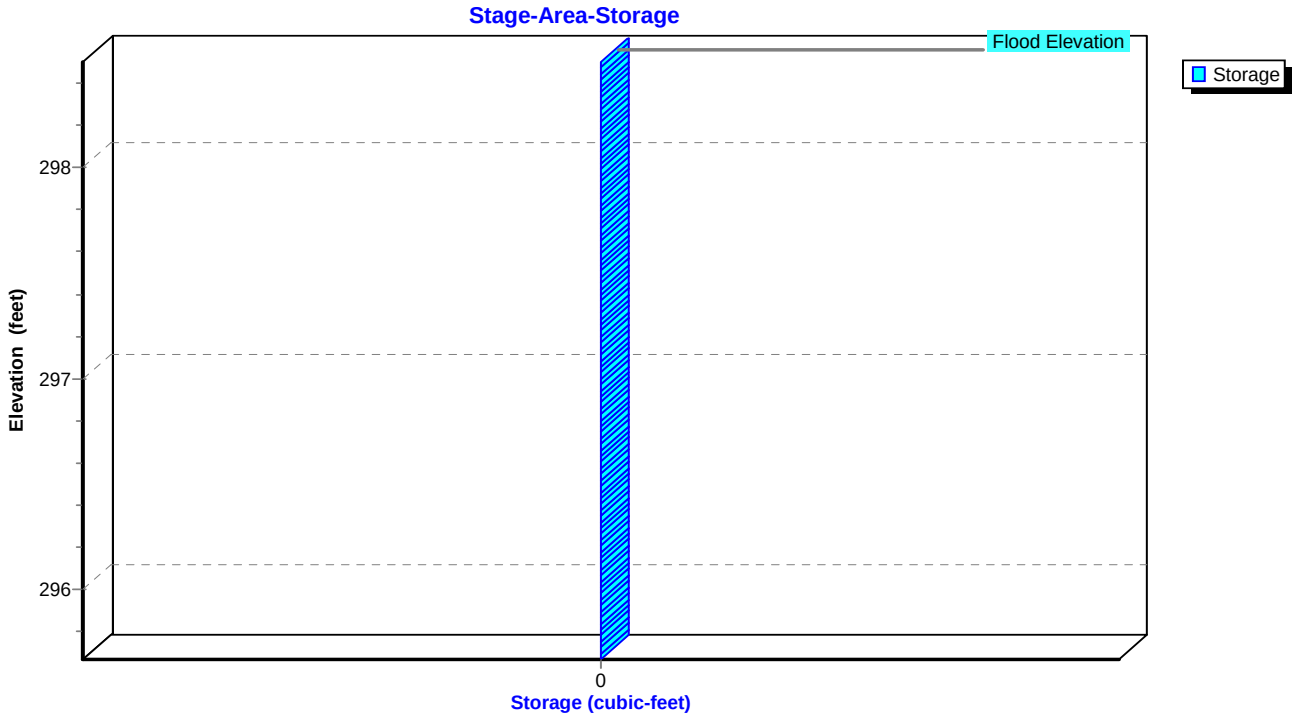
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

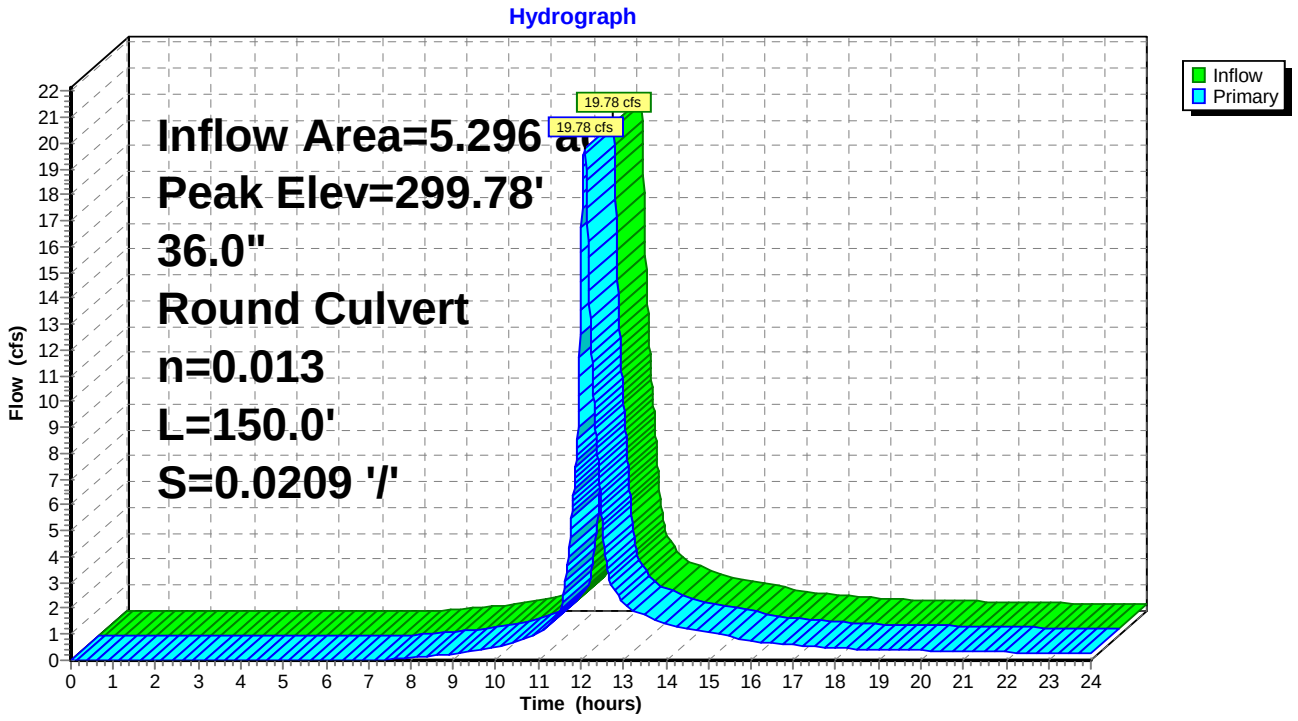
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 3.71" for 25-Year event
Inflow = 19.78 cfs @ 12.09 hrs, Volume= 1.638 af
Outflow = 19.78 cfs @ 12.09 hrs, Volume= 1.638 af, Atten= 0%, Lag= 0.0 min
Primary = 19.78 cfs @ 12.09 hrs, Volume= 1.638 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 299.78' @ 12.09 hrs
Flood Elev= 302.30'

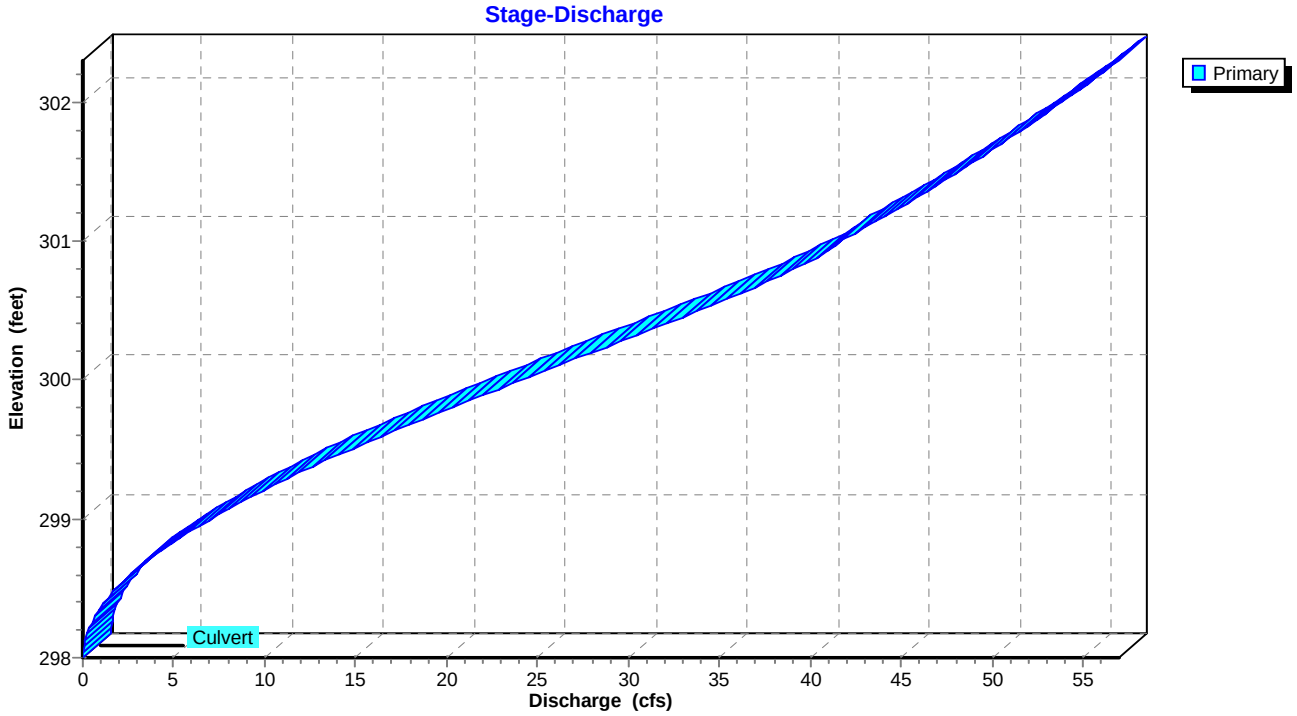
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.76 cfs @ 12.09 hrs HW=299.78' TW=296.57' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.76 cfs @ 4.54 fps)

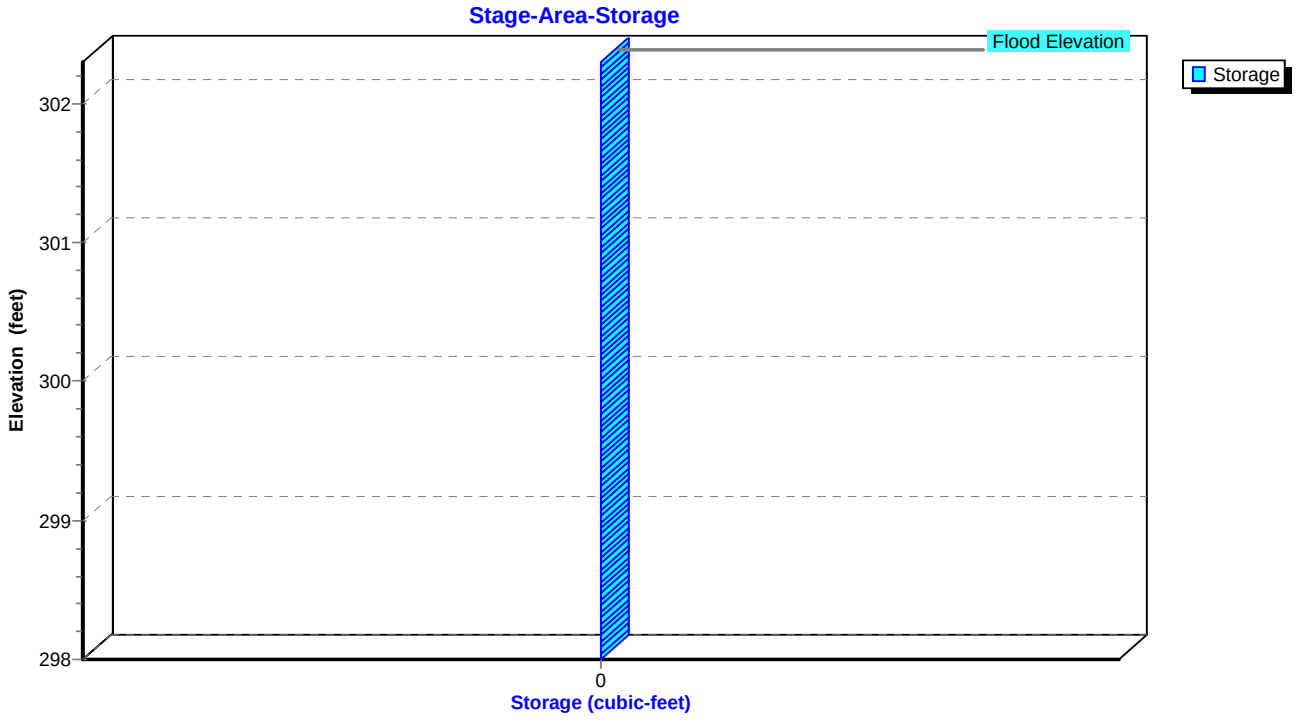
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.00	0.00
6.00	0.00	298.00	0.00
6.50	0.00	298.02	0.00
7.00	0.01	298.04	0.01
7.50	0.04	298.07	0.04
8.00	0.09	298.11	0.09
8.50	0.16	298.14	0.16
9.00	0.25	298.18	0.25
9.50	0.37	298.22	0.37
10.00	0.51	298.26	0.51
10.50	0.74	298.31	0.74
11.00	1.04	298.37	1.04
11.50	1.88	298.50	1.88
12.00	**14.64**	**299.49**	**14.64**
12.50	**5.42**	**298.87**	**5.42**
13.00	2.21	298.55	2.21
13.50	1.73	298.48	1.73
14.00	1.41	298.43	1.41
14.50	1.23	298.40	1.23
15.00	1.08	298.38	1.08
15.50	0.92	298.35	0.92
16.00	0.76	298.32	0.76
16.50	0.67	298.30	0.67
17.00	0.61	298.28	0.61
17.50	0.54	298.26	0.54
18.00	0.47	298.25	0.47
18.50	0.44	298.24	0.44
19.00	0.42	298.23	0.42
19.50	0.40	298.23	0.40
20.00	0.37	298.22	0.37
20.50	0.36	298.22	0.36
21.00	0.34	298.21	0.34
21.50	0.33	298.21	0.33
22.00	0.31	298.20	0.31
22.50	0.29	298.20	0.29
23.00	0.28	298.19	0.28
23.50	0.26	298.18	0.26
24.00	0.25	298.18	0.25

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

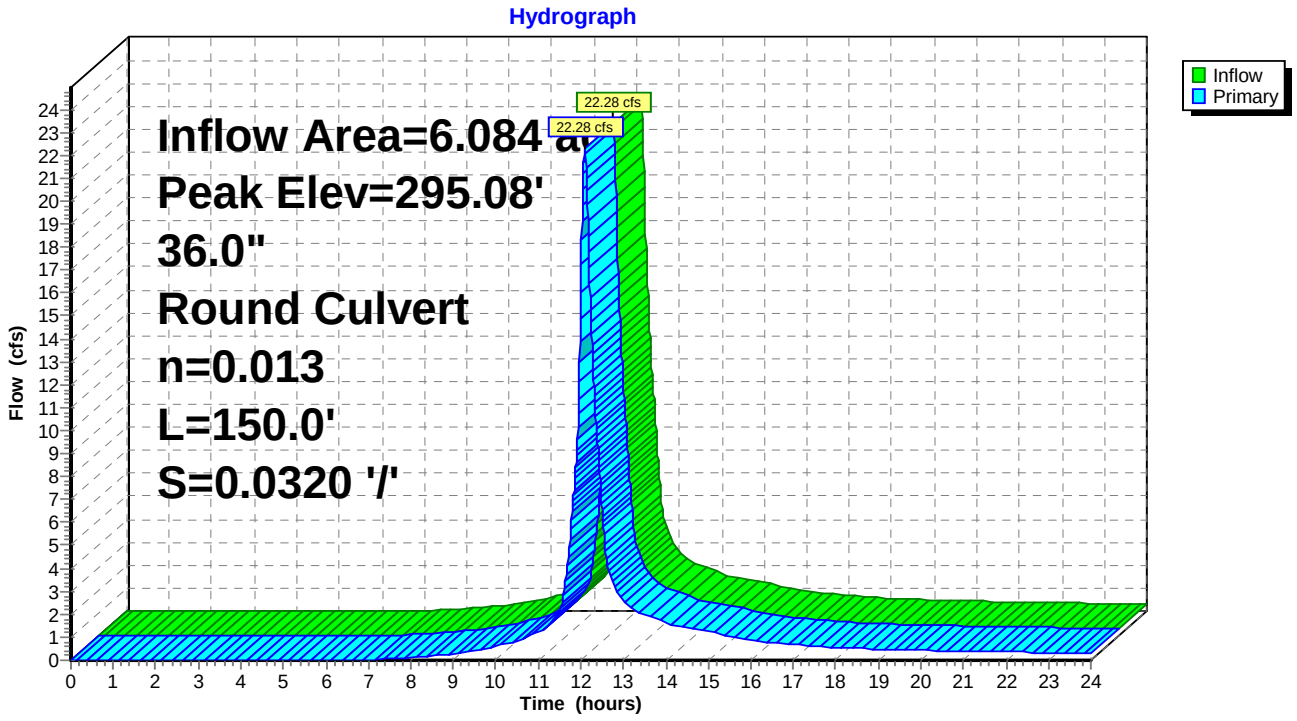
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 3.73" for 25-Year event
Inflow = 22.28 cfs @ 12.09 hrs, Volume= 1.893 af
Outflow = 22.28 cfs @ 12.09 hrs, Volume= 1.893 af, Atten= 0%, Lag= 0.0 min
Primary = 22.28 cfs @ 12.09 hrs, Volume= 1.893 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.08' @ 12.09 hrs
Flood Elev= 296.00'

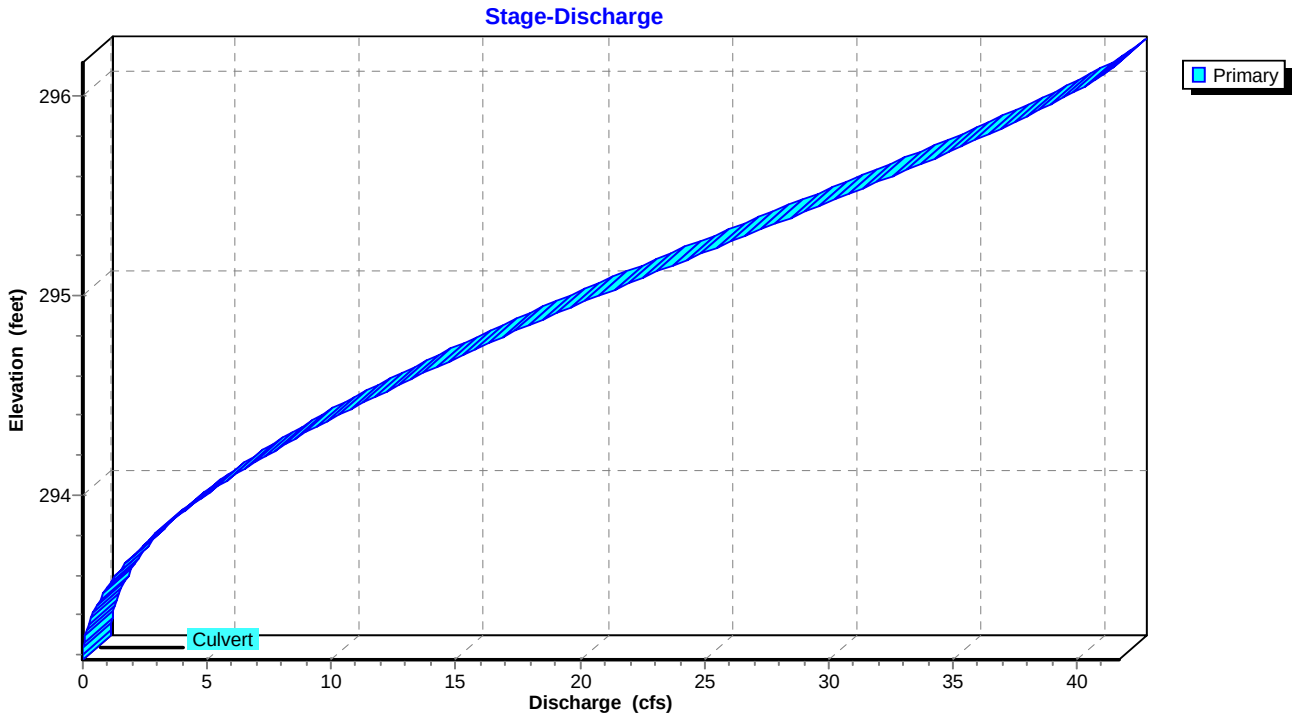
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=22.26 cfs @ 12.09 hrs HW=295.08' (Free Discharge)
1=Culvert (Inlet Controls 22.26 cfs @ 4.70 fps)

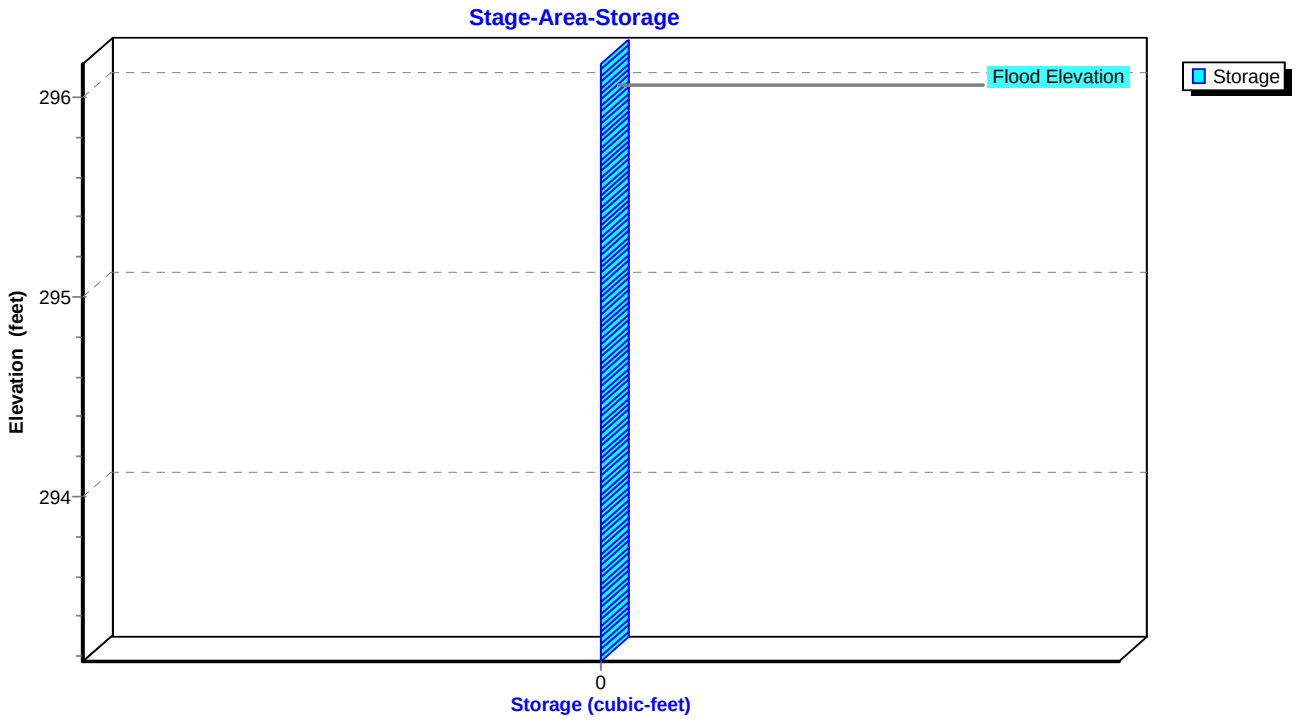
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.17	0.00
6.00	0.00	293.17	0.00
6.50	0.00	293.19	0.00
7.00	0.02	293.22	0.02
7.50	0.05	293.25	0.05
8.00	0.10	293.29	0.10
8.50	0.18	293.32	0.18
9.00	0.29	293.37	0.29
9.50	0.43	293.41	0.43
10.00	0.60	293.45	0.60
10.50	0.86	293.51	0.86
11.00	1.20	293.57	1.20
11.50	2.15	293.71	2.15
12.00	**16.05**	**294.74**	**16.05**
12.50	**6.53**	**294.13**	**6.53**
13.00	2.58	293.76	2.58
13.50	2.00	293.69	2.00
14.00	1.63	293.64	1.63
14.50	1.42	293.60	1.42
15.00	1.24	293.58	1.24
15.50	1.06	293.54	1.06
16.00	0.88	293.51	0.88
16.50	0.78	293.49	0.78
17.00	0.70	293.47	0.70
17.50	0.62	293.45	0.62
18.00	0.54	293.44	0.54
18.50	0.50	293.43	0.50
19.00	0.48	293.42	0.48
19.50	0.46	293.41	0.46
20.00	0.43	293.41	0.43
20.50	0.41	293.40	0.41
21.00	0.39	293.40	0.39
21.50	0.38	293.39	0.38
22.00	0.36	293.39	0.36
22.50	0.34	293.38	0.34
23.00	0.32	293.37	0.32
23.50	0.30	293.37	0.30
24.00	0.28	293.36	0.28

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

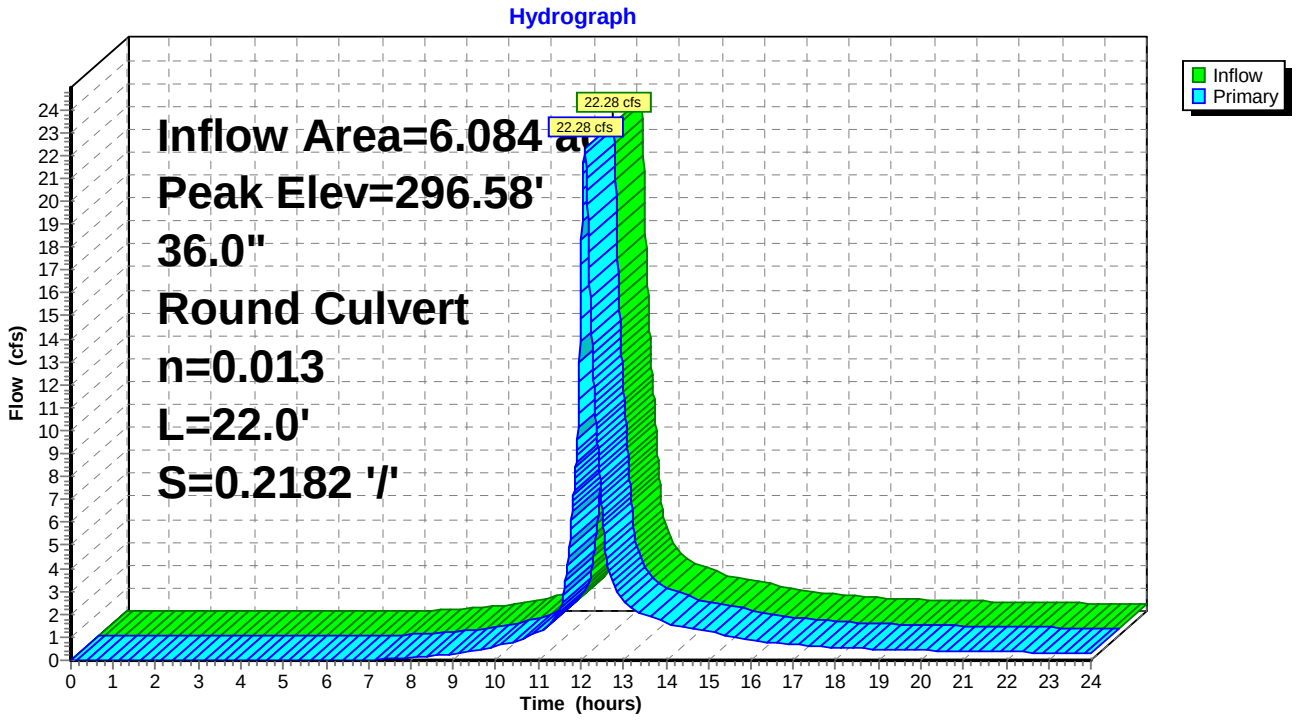
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 3.73" for 25-Year event
Inflow = 22.28 cfs @ 12.09 hrs, Volume= 1.893 af
Outflow = 22.28 cfs @ 12.09 hrs, Volume= 1.893 af, Atten= 0%, Lag= 0.0 min
Primary = 22.28 cfs @ 12.09 hrs, Volume= 1.893 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.58' @ 12.09 hrs
Flood Elev= 299.00'

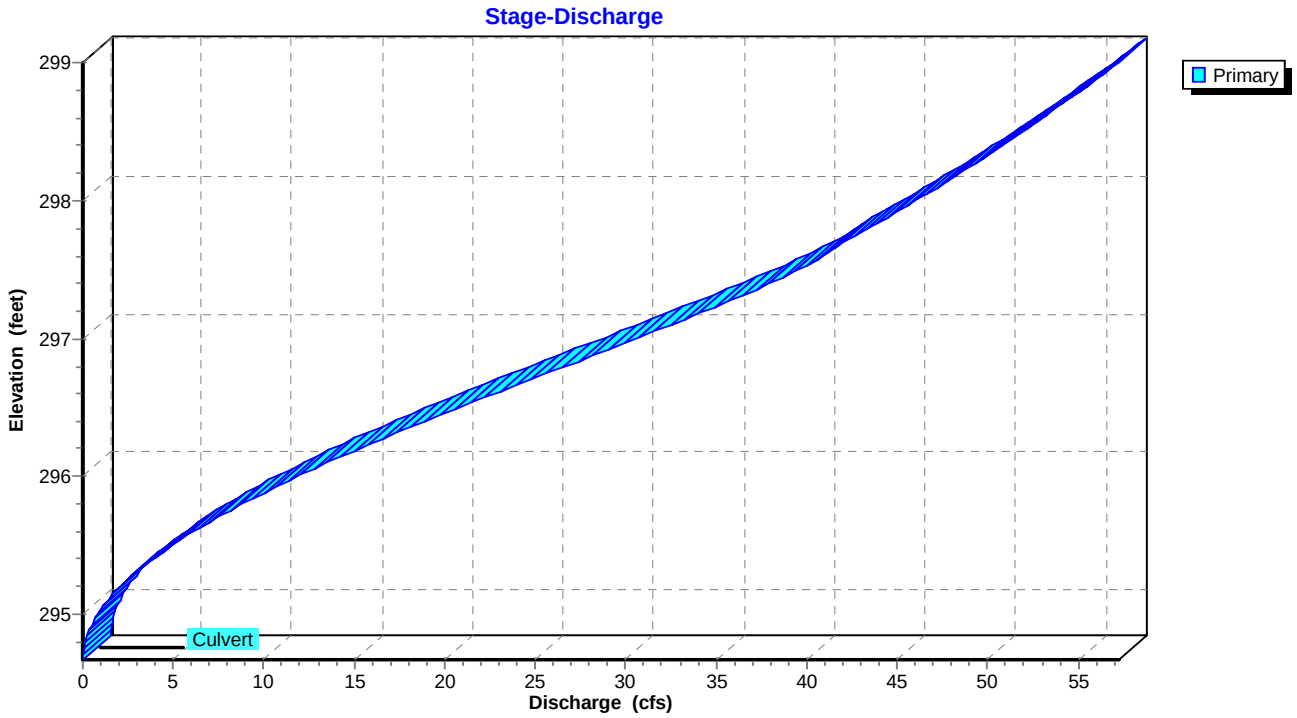
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=22.26 cfs @ 12.09 hrs HW=296.58' TW=295.08' (Dynamic Tailwater)
1=Culvert (Inlet Controls 22.26 cfs @ 4.70 fps)

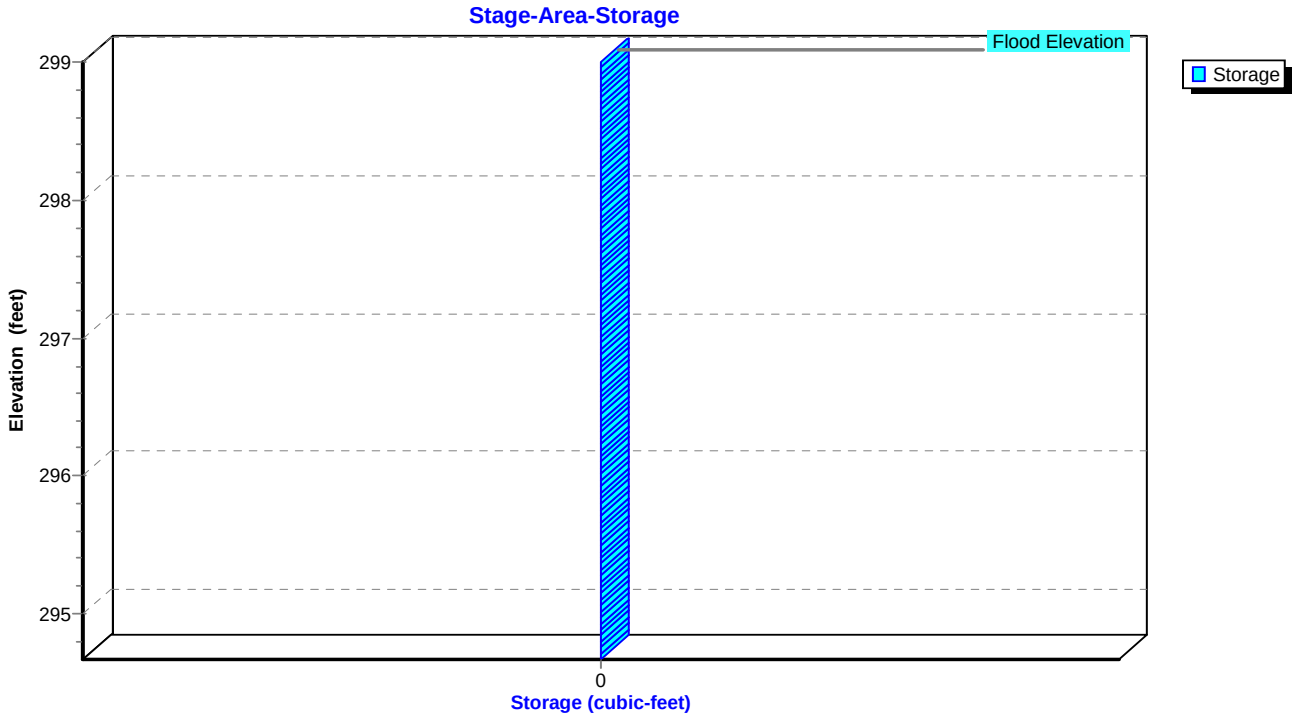
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.67	0.00
6.00	0.00	294.67	0.00
6.50	0.00	294.69	0.00
7.00	0.02	294.72	0.02
7.50	0.05	294.75	0.05
8.00	0.10	294.79	0.10
8.50	0.18	294.82	0.18
9.00	0.29	294.87	0.29
9.50	0.43	294.91	0.43
10.00	0.60	294.95	0.60
10.50	0.86	295.01	0.86
11.00	1.20	295.07	1.20
11.50	2.15	295.21	2.15
12.00	**16.05**	**296.24**	**16.05**
12.50	**6.53**	**295.63**	**6.53**
13.00	2.58	295.26	2.58
13.50	2.00	295.19	2.00
14.00	1.63	295.14	1.63
14.50	1.42	295.10	1.42
15.00	1.24	295.08	1.24
15.50	1.06	295.04	1.06
16.00	0.88	295.01	0.88
16.50	0.78	294.99	0.78
17.00	0.70	294.97	0.70
17.50	0.62	294.95	0.62
18.00	0.54	294.94	0.54
18.50	0.50	294.93	0.50
19.00	0.48	294.92	0.48
19.50	0.46	294.91	0.46
20.00	0.43	294.91	0.43
20.50	0.41	294.90	0.41
21.00	0.39	294.90	0.39
21.50	0.38	294.89	0.38
22.00	0.36	294.89	0.36
22.50	0.34	294.88	0.34
23.00	0.32	294.87	0.32
23.50	0.30	294.87	0.30
24.00	0.28	294.86	0.28

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

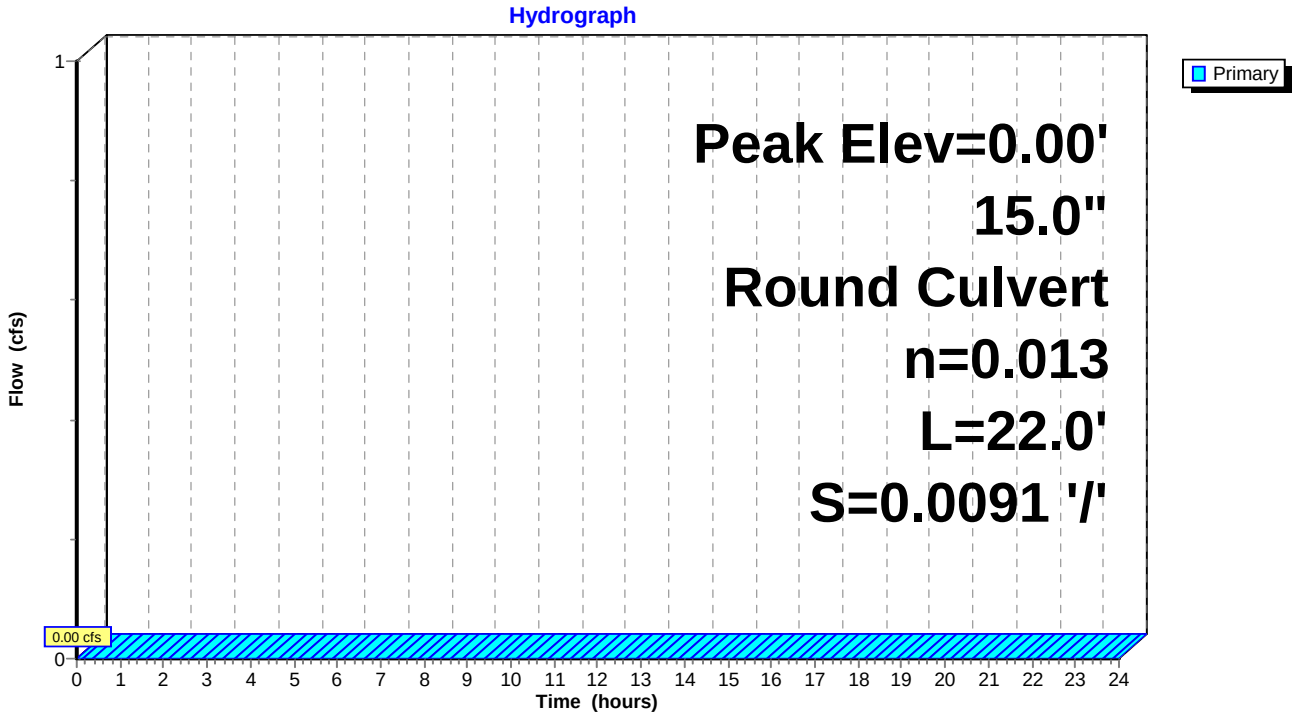
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

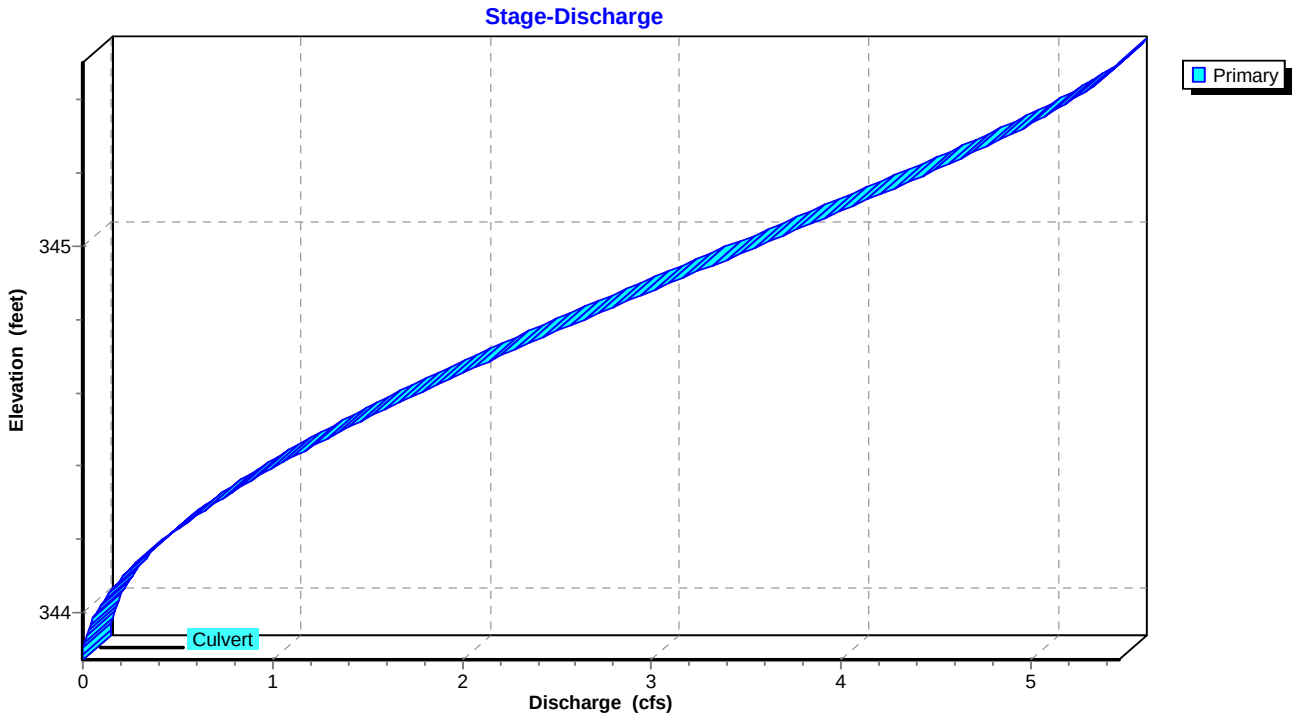
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

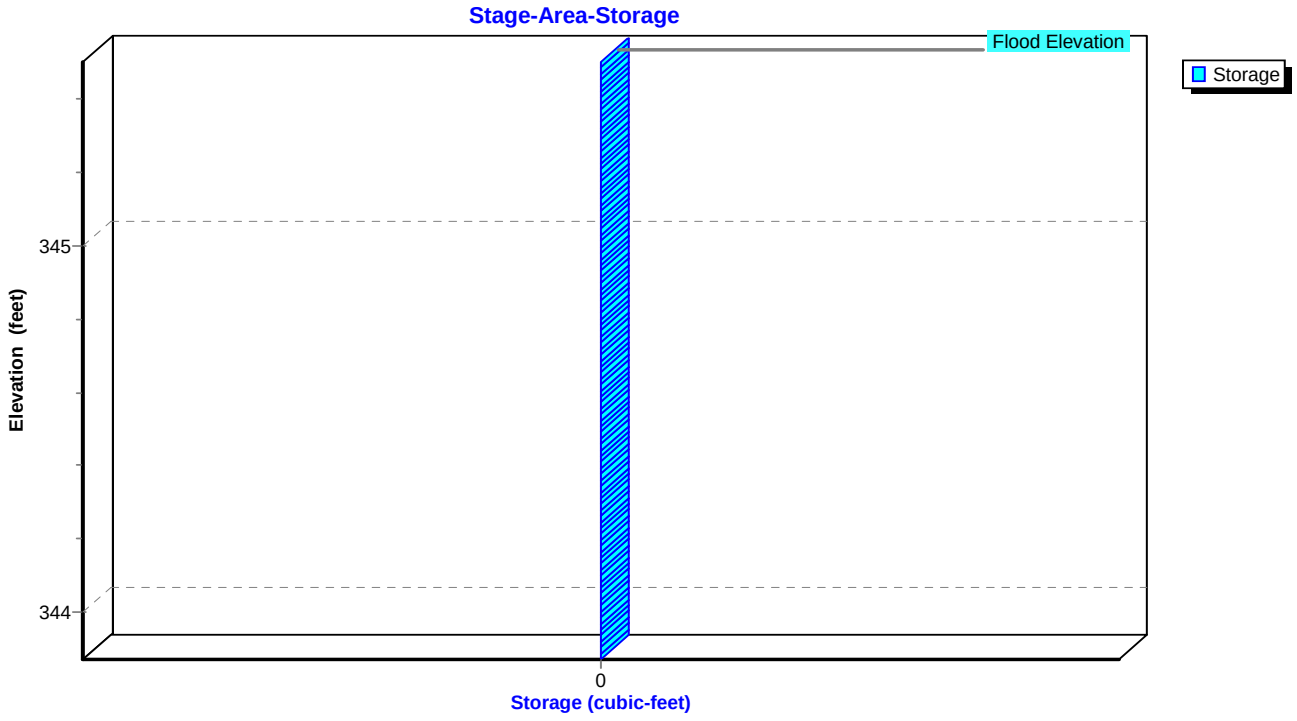
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

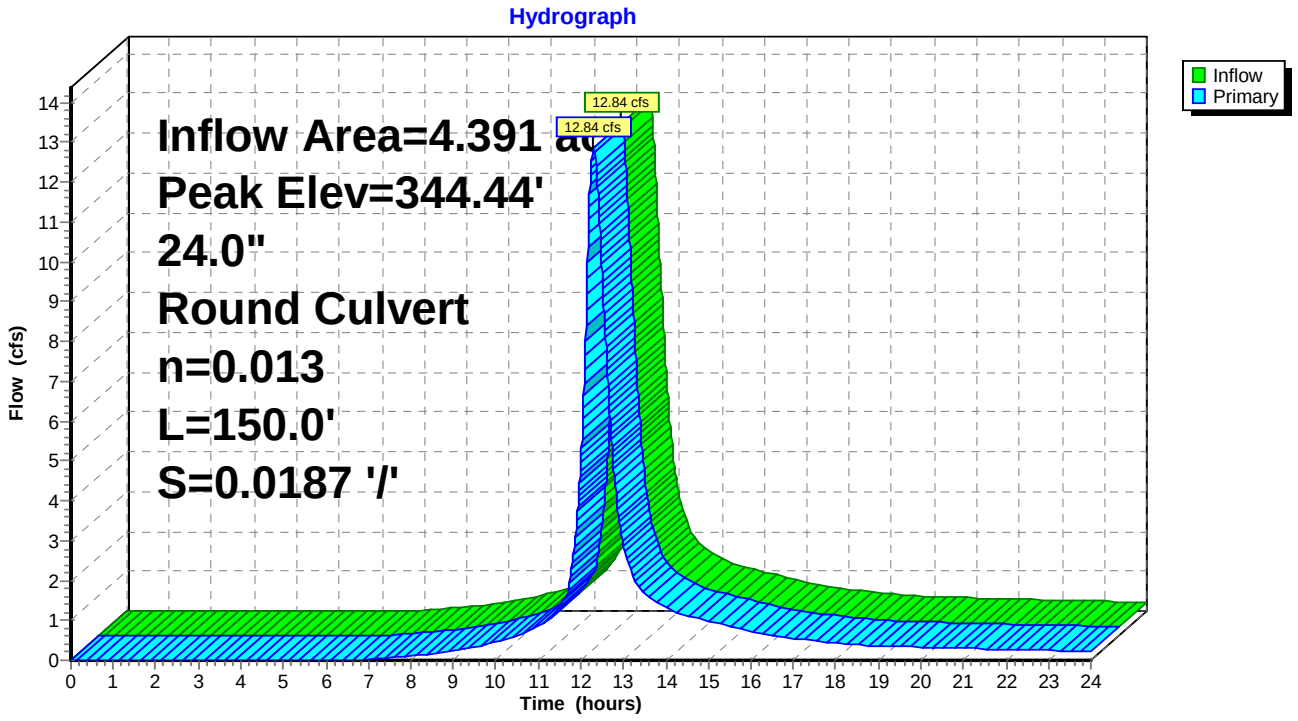
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af
Outflow = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af, Atten= 0%, Lag= 0.0 min
Primary = 12.84 cfs @ 12.29 hrs, Volume= 1.452 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.44' @ 12.29 hrs
Flood Elev= 347.00'

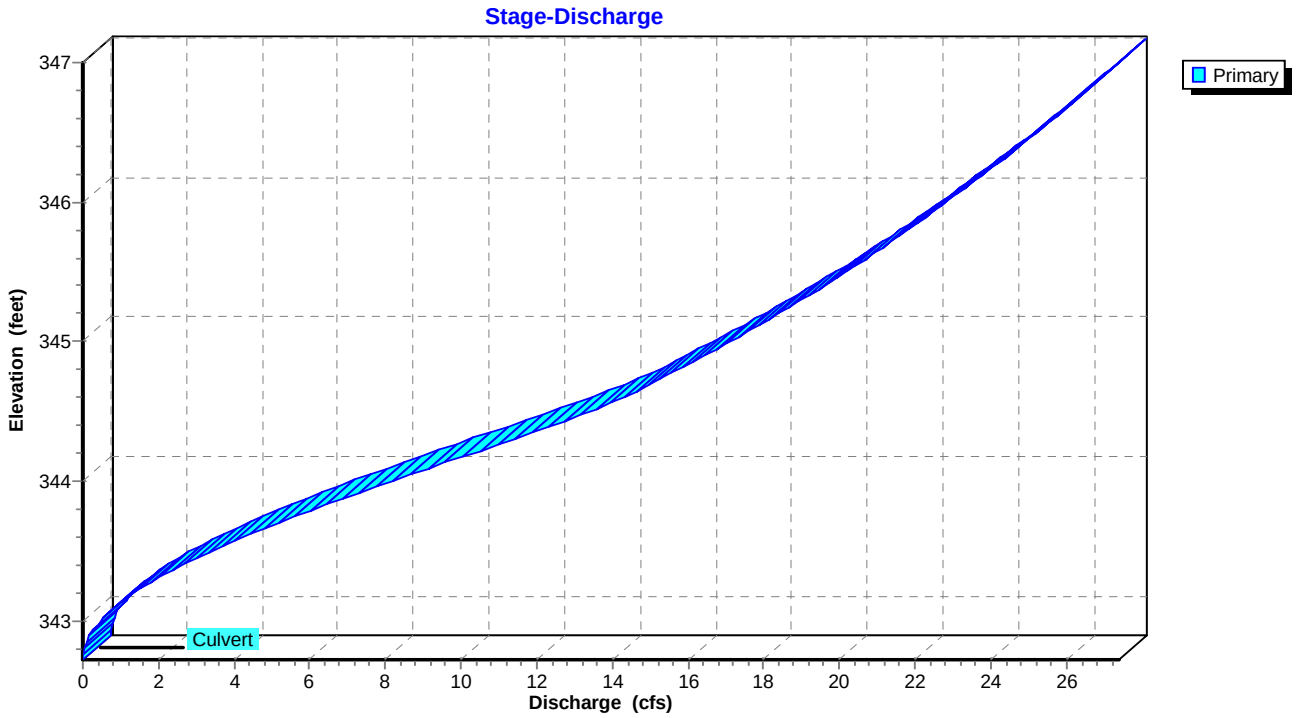
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.84 cfs @ 12.29 hrs HW=344.44' TW=341.81' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.84 cfs @ 4.47 fps)

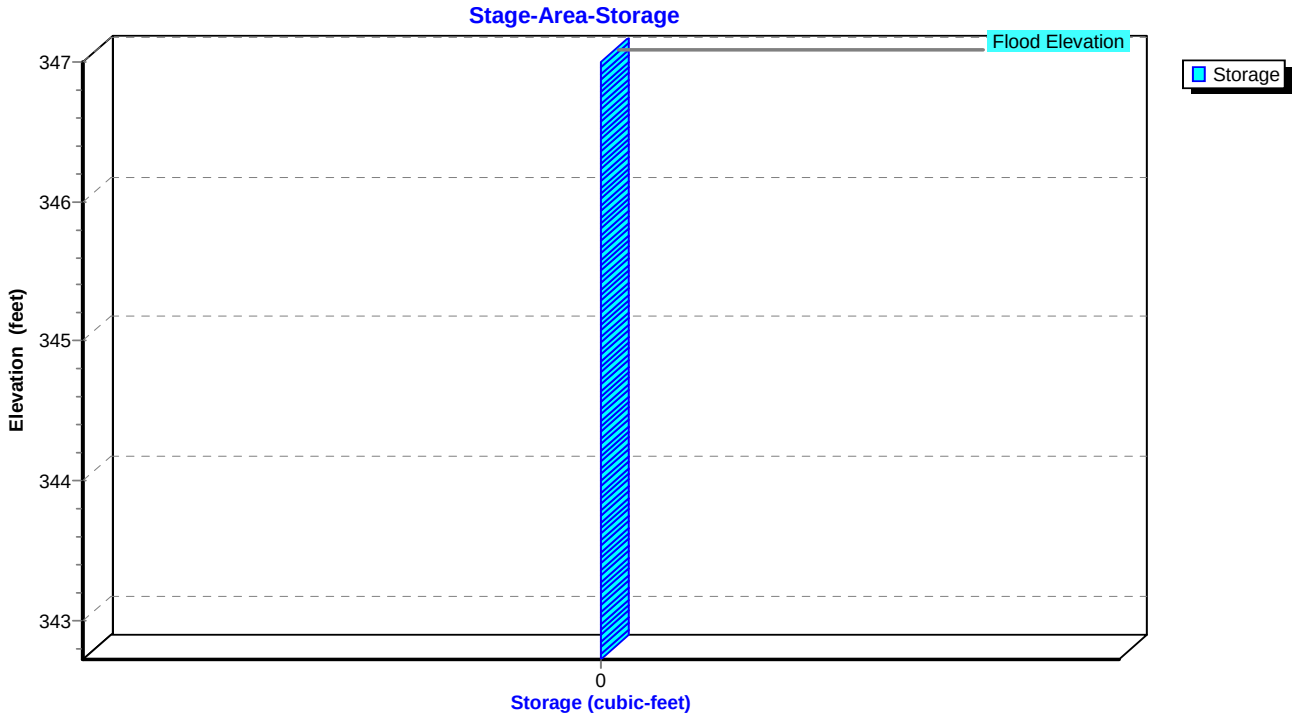
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.00	342.72	0.00
6.00	0.00	342.73	0.00
6.50	0.01	342.75	0.01
7.00	0.03	342.79	0.03
7.50	0.06	342.82	0.06
8.00	0.10	342.85	0.10
8.50	0.15	342.88	0.15
9.00	0.23	342.91	0.23
9.50	0.34	342.95	0.34
10.00	0.46	342.99	0.46
10.50	0.62	343.04	0.62
11.00	0.86	343.10	0.86
11.50	1.34	343.19	1.34
12.00	**4.95**	**343.68**	**4.95**
12.50	**9.72**	**344.14**	**9.72**
13.00	2.89	343.43	2.89
13.50	1.68	343.25	1.68
14.00	1.35	343.20	1.35
14.50	1.13	343.15	1.13
15.00	0.99	343.13	0.99
15.50	0.85	343.10	0.85
16.00	0.72	343.06	0.72
16.50	0.61	343.04	0.61
17.00	0.55	343.02	0.55
17.50	0.49	343.00	0.49
18.00	0.43	342.98	0.43
18.50	0.38	342.97	0.38
19.00	0.36	342.96	0.36
19.50	0.35	342.96	0.35
20.00	0.33	342.95	0.33
20.50	0.31	342.94	0.31
21.00	0.30	342.94	0.30
21.50	0.28	342.93	0.28
22.00	0.27	342.93	0.27
22.50	0.26	342.92	0.26
23.00	0.24	342.92	0.24
23.50	0.23	342.91	0.23
24.00	0.22	342.91	0.22

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

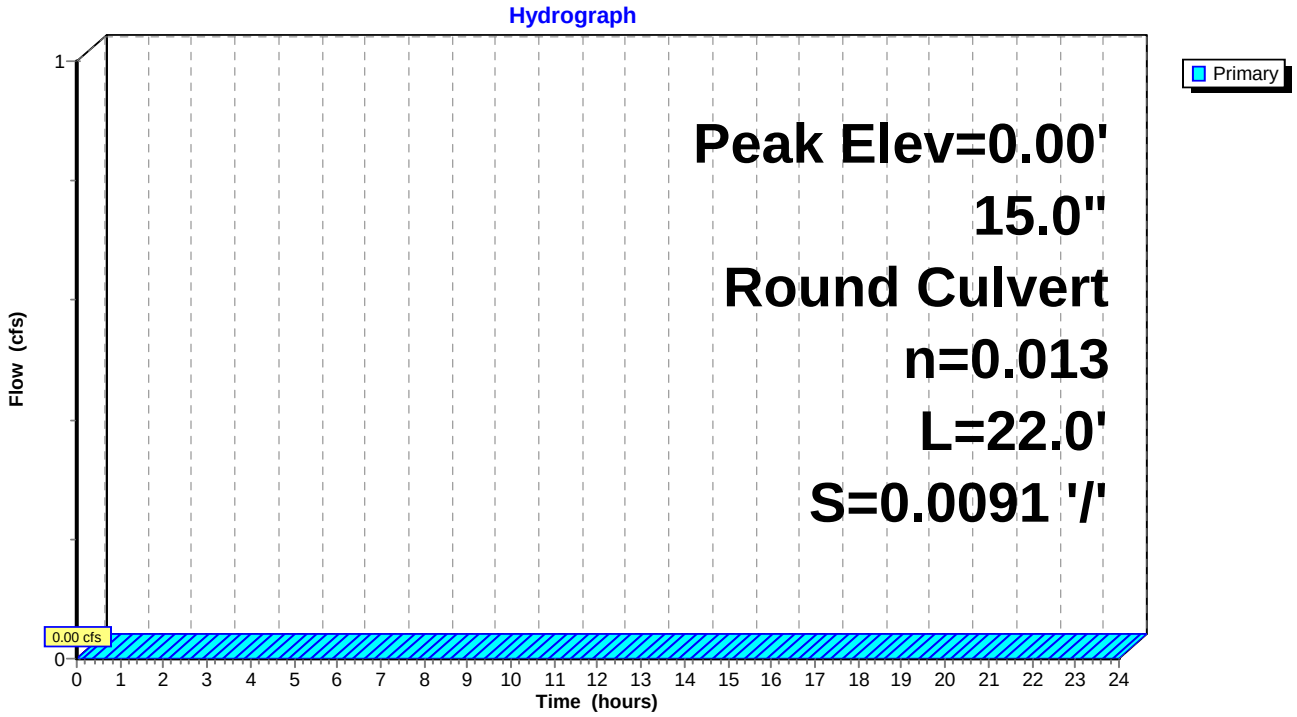
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

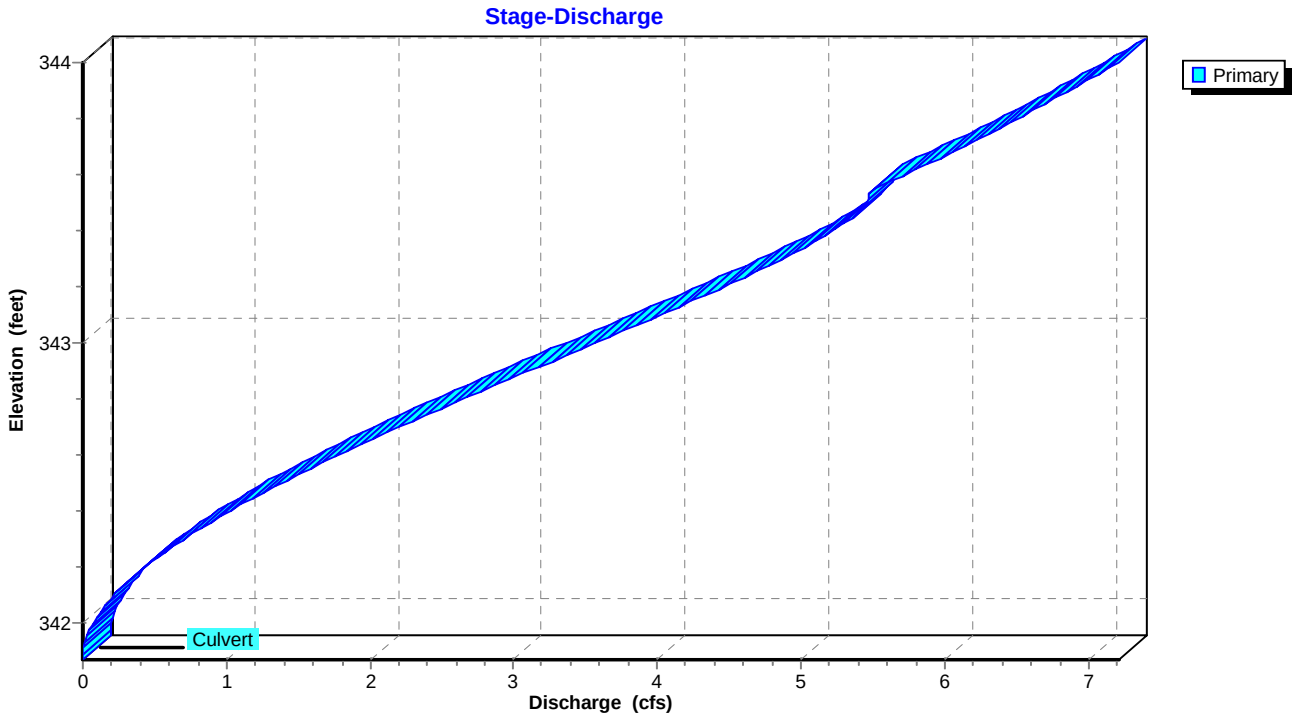
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

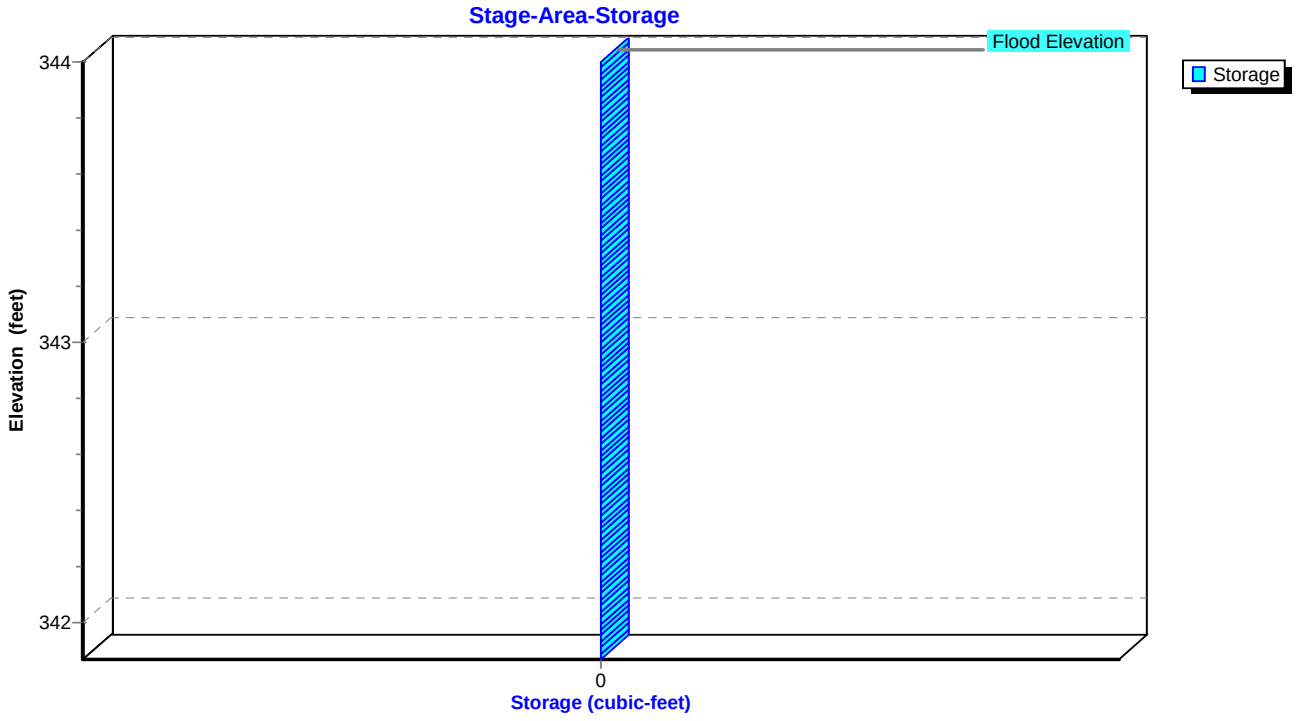
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

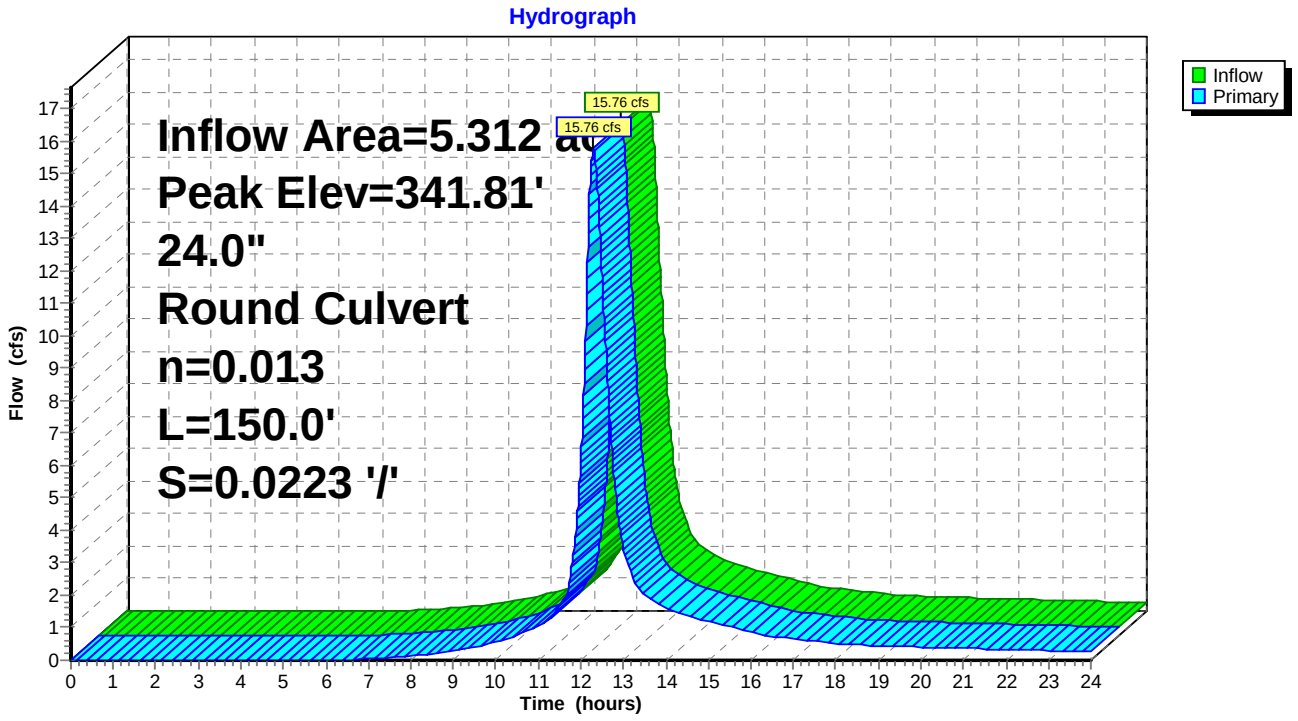
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.00" for 25-Year event
Inflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af
Outflow = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af, Atten= 0%, Lag= 0.0 min
Primary = 15.76 cfs @ 12.29 hrs, Volume= 1.772 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 341.81' @ 12.29 hrs
Flood Elev= 345.00'

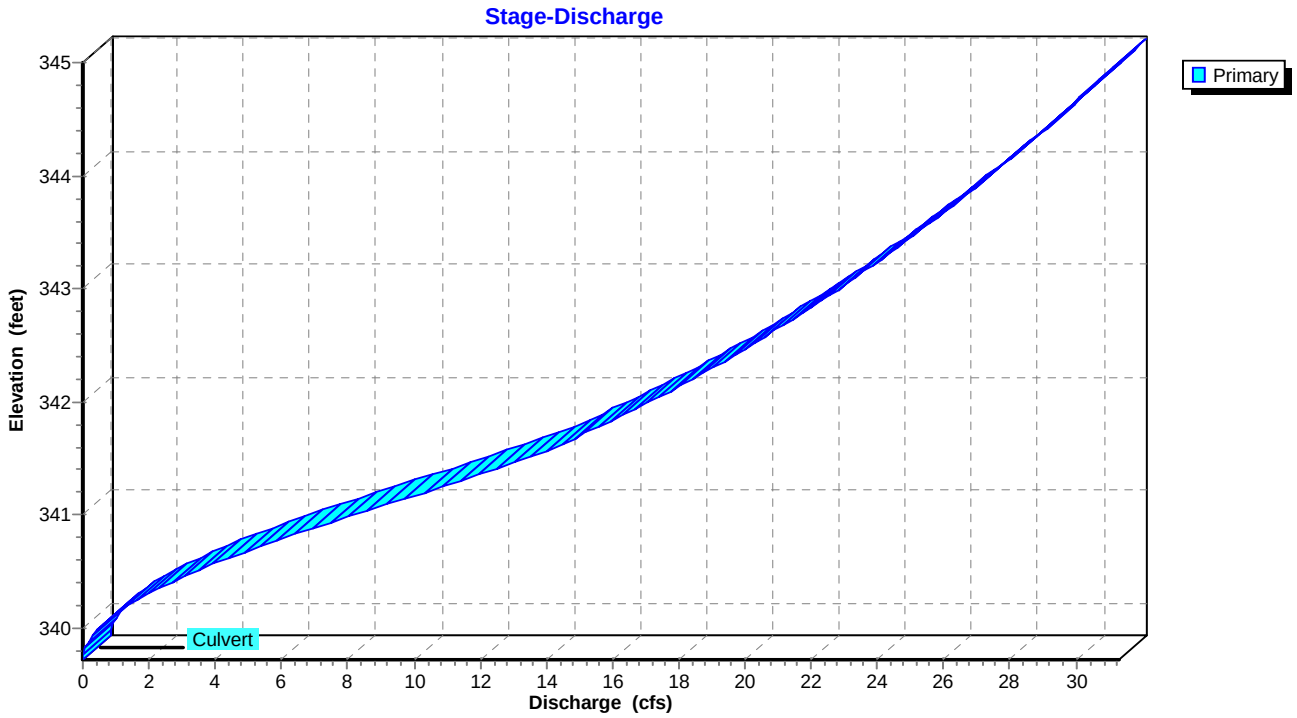
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.76 cfs @ 12.29 hrs HW=341.81' TW=337.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 15.76 cfs @ 5.02 fps)

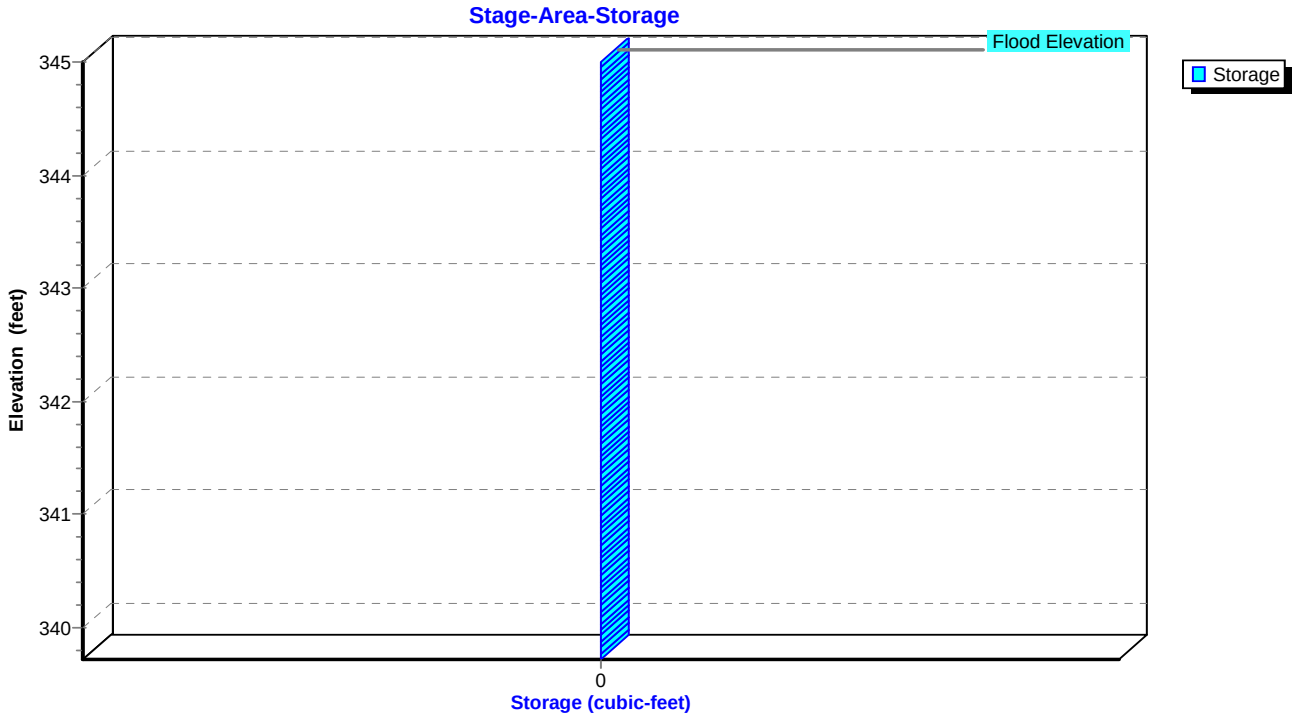
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.72	0.00
5.50	0.00	339.72	0.00
6.00	0.00	339.74	0.00
6.50	0.01	339.77	0.01
7.00	0.04	339.80	0.04
7.50	0.08	339.83	0.08
8.00	0.13	339.86	0.13
8.50	0.20	339.90	0.20
9.00	0.30	339.94	0.30
9.50	0.42	339.98	0.42
10.00	0.57	340.03	0.57
10.50	0.77	340.08	0.77
11.00	1.07	340.14	1.07
11.50	1.65	340.25	1.65
12.00	**6.09**	**340.80**	**6.09**
12.50	**11.80**	**341.34**	**11.80**
13.00	3.48	340.51	3.48
13.50	2.03	340.31	2.03
14.00	1.64	340.25	1.64
14.50	1.37	340.20	1.37
15.00	1.20	340.17	1.20
15.50	1.04	340.14	1.04
16.00	0.87	340.10	0.87
16.50	0.74	340.07	0.74
17.00	0.66	340.05	0.66
17.50	0.59	340.03	0.59
18.00	0.52	340.01	0.52
18.50	0.47	340.00	0.47
19.00	0.44	339.99	0.44
19.50	0.42	339.98	0.42
20.00	0.40	339.97	0.40
20.50	0.38	339.97	0.38
21.00	0.36	339.96	0.36
21.50	0.35	339.96	0.35
22.00	0.33	339.95	0.33
22.50	0.31	339.94	0.31
23.00	0.30	339.94	0.30
23.50	0.28	339.93	0.28
24.00	0.26	339.93	0.26

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

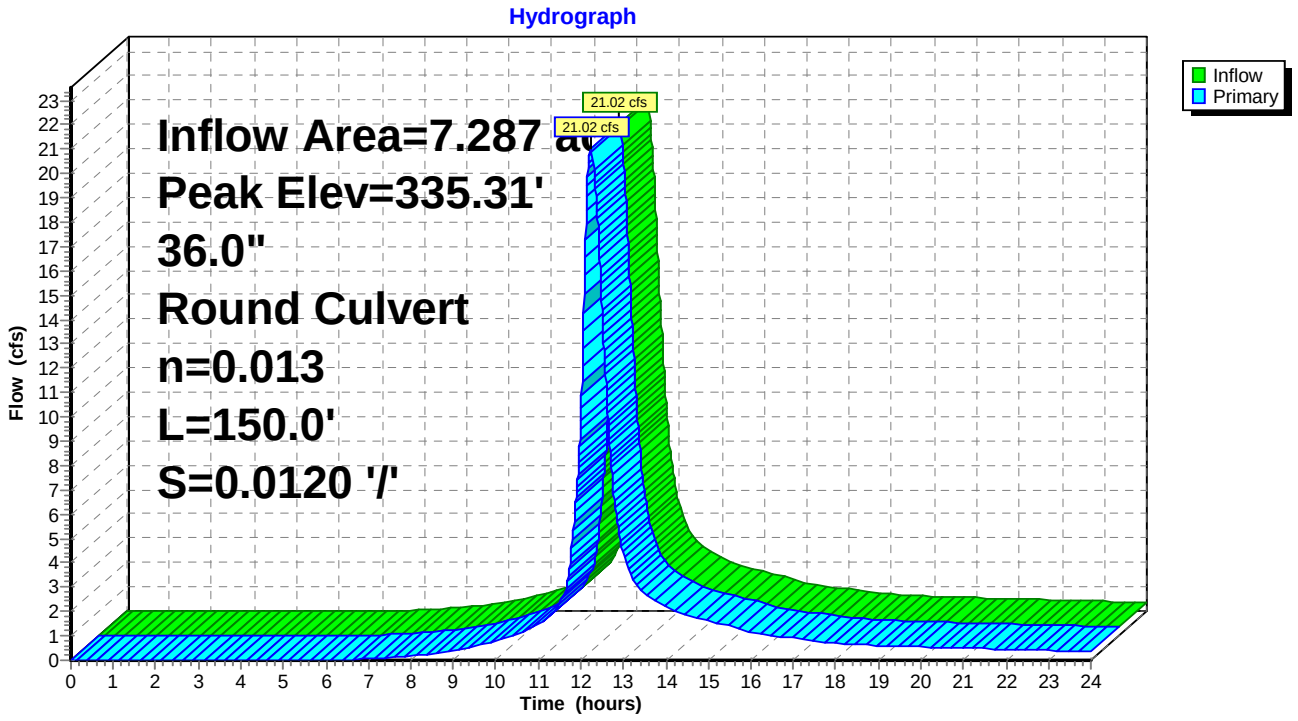
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.31' @ 12.23 hrs
Flood Elev= 337.75'

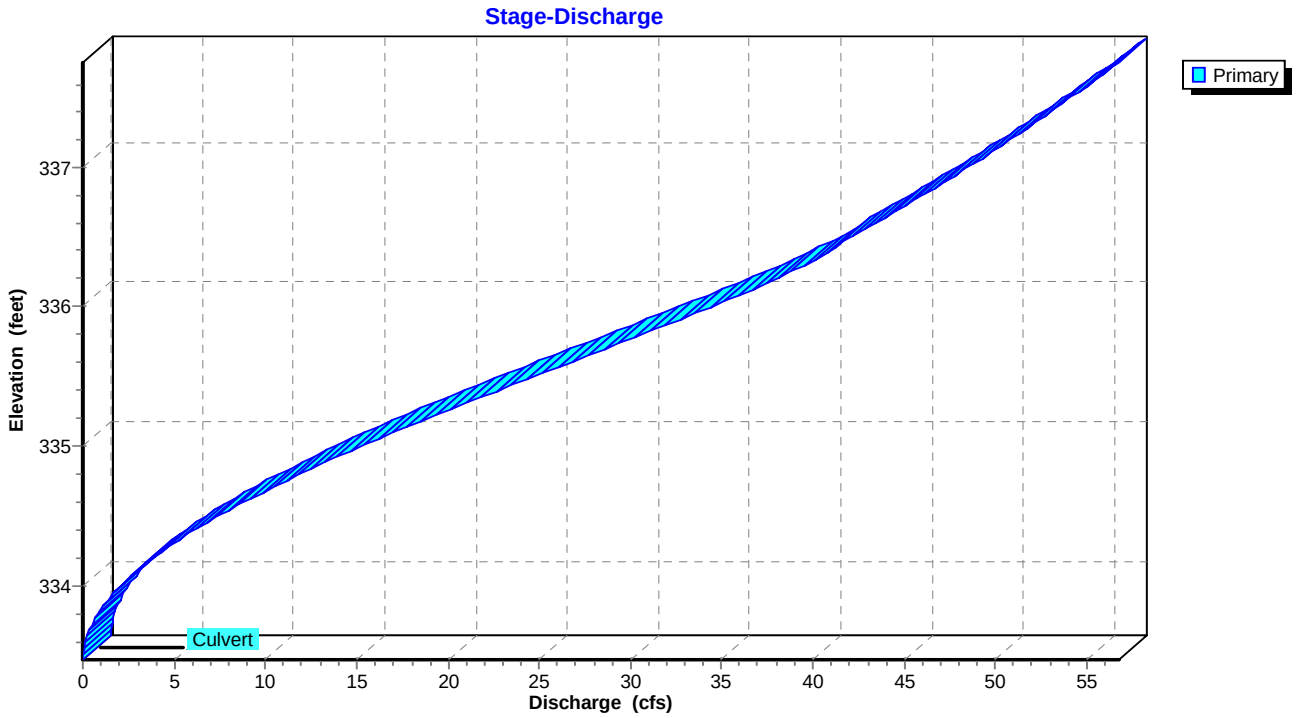
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=21.02 cfs @ 12.23 hrs HW=335.31' TW=332.09' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 21.02 cfs @ 4.62 fps)

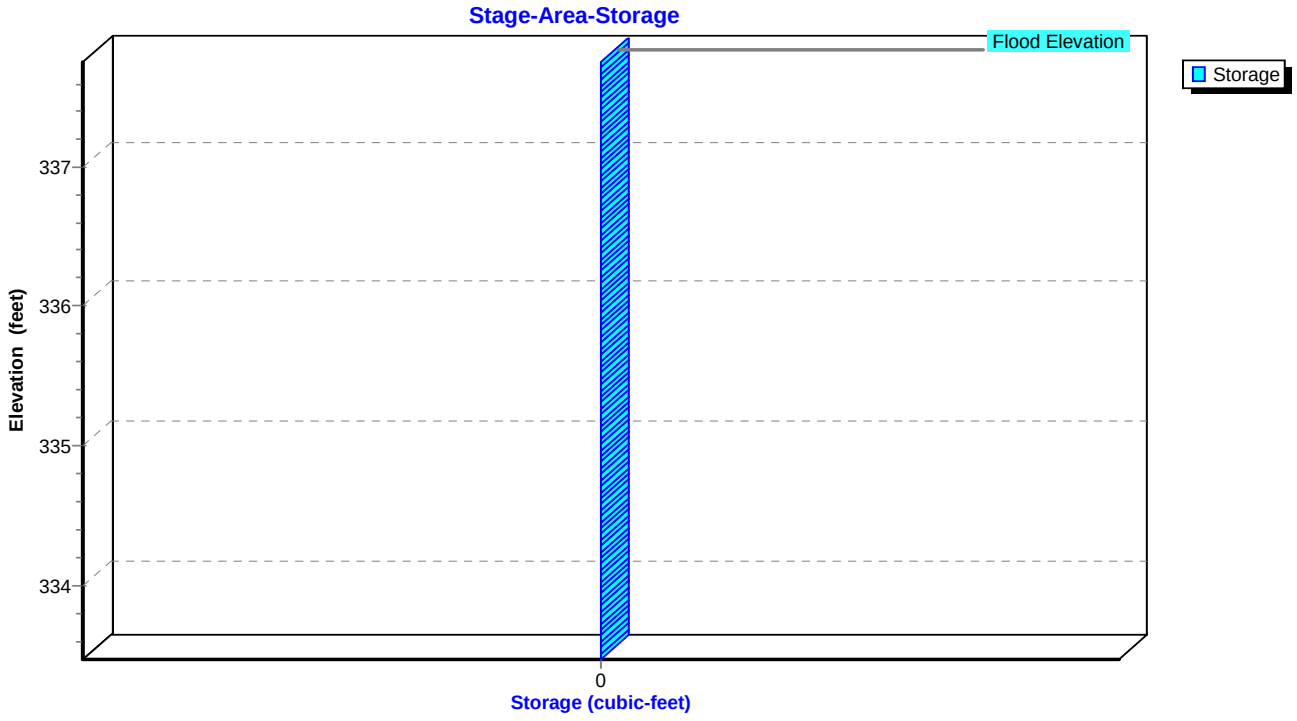
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.49	0.00
6.50	0.01	333.51	0.01
7.00	0.05	333.55	0.05
7.50	0.11	333.59	0.11
8.00	0.17	333.62	0.17
8.50	0.27	333.66	0.27
9.00	0.40	333.70	0.40
9.50	0.58	333.74	0.58
10.00	0.78	333.79	0.78
10.50	1.07	333.85	1.07
11.00	1.48	333.91	1.48
11.50	2.36	334.03	2.36
12.00	**9.89**	**334.67**	**9.89**
12.50	**14.42**	**334.95**	**14.42**
13.00	4.39	334.25	4.39
13.50	2.70	334.08	2.70
14.00	2.19	334.01	2.19
14.50	1.84	333.97	1.84
15.00	1.62	333.93	1.62
15.50	1.39	333.90	1.39
16.00	1.17	333.86	1.17
16.50	1.00	333.83	1.00
17.00	0.90	333.81	0.90
17.50	0.80	333.79	0.80
18.00	0.70	333.77	0.70
18.50	0.63	333.76	0.63
19.00	0.60	333.75	0.60
19.50	0.57	333.74	0.57
20.00	0.54	333.74	0.54
20.50	0.51	333.73	0.51
21.00	0.49	333.72	0.49
21.50	0.47	333.72	0.47
22.00	0.45	333.71	0.45
22.50	0.43	333.71	0.43
23.00	0.40	333.70	0.40
23.50	0.38	333.69	0.38
24.00	0.36	333.69	0.36

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

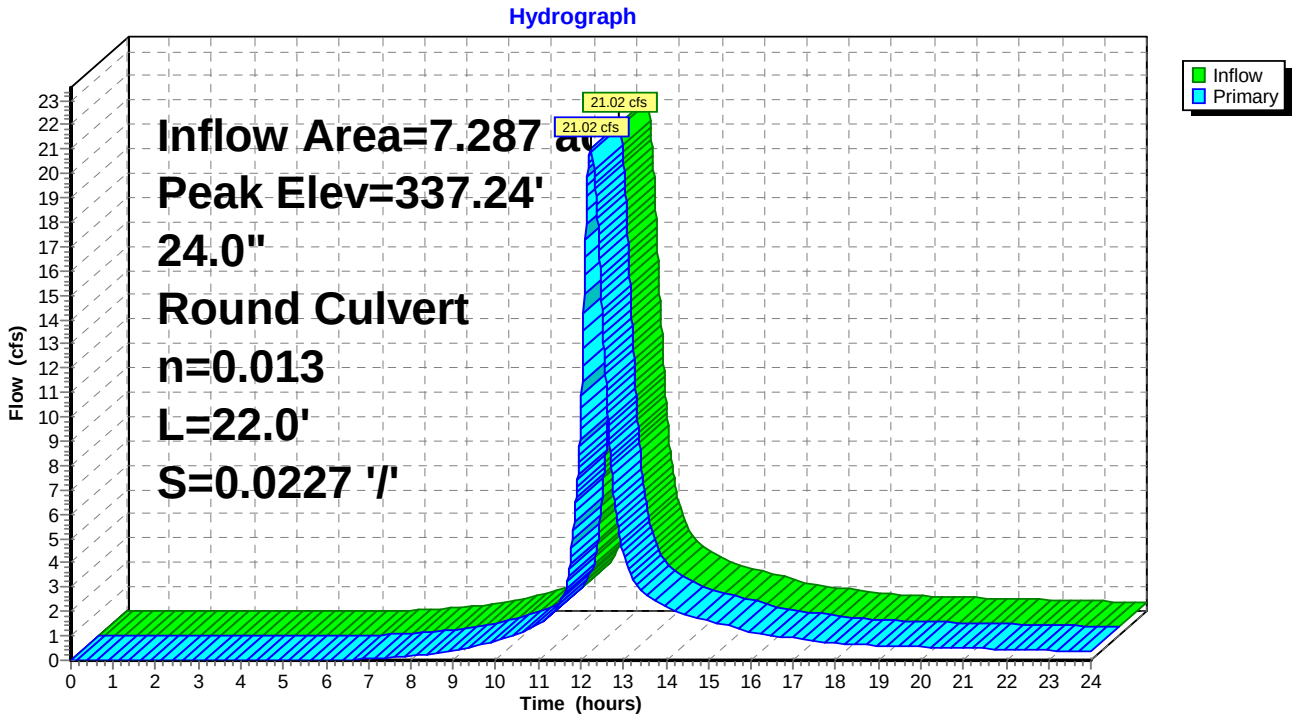
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 3.97" for 25-Year event
Inflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af
Outflow = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af, Atten= 0%, Lag= 0.0 min
Primary = 21.02 cfs @ 12.23 hrs, Volume= 2.411 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.24' @ 12.23 hrs
Flood Elev= 339.50'

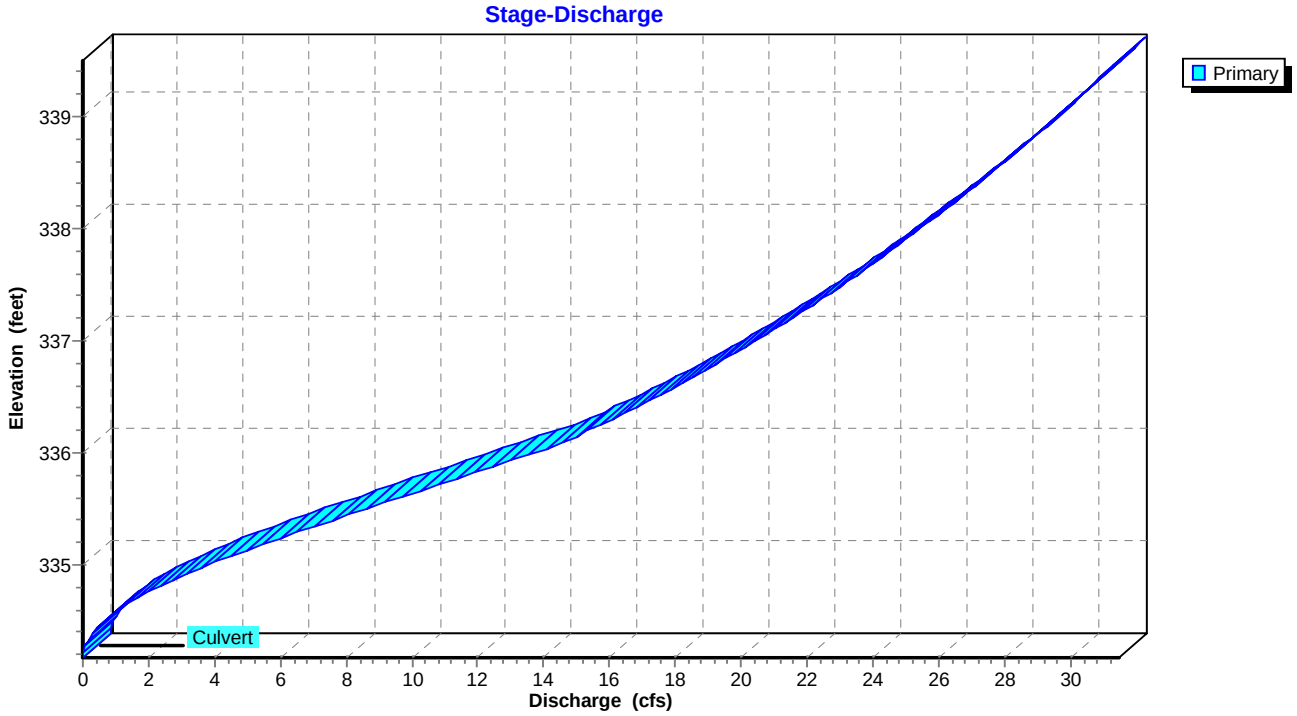
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.02 cfs @ 12.23 hrs HW=337.24' TW=335.31' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.02 cfs @ 6.69 fps)

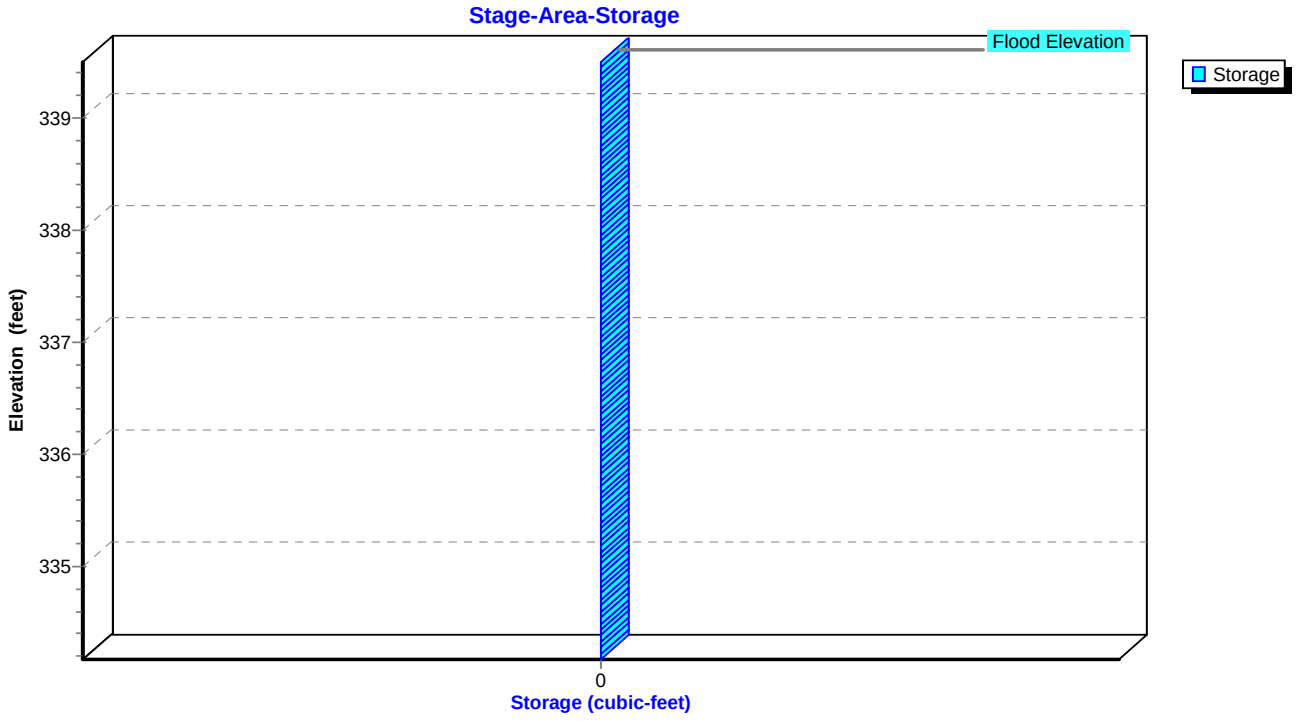
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.17	0.00
5.50	0.00	334.17	0.00
6.00	0.00	334.19	0.00
6.50	0.01	334.22	0.01
7.00	0.05	334.26	0.05
7.50	0.11	334.30	0.11
8.00	0.17	334.34	0.17
8.50	0.27	334.38	0.27
9.00	0.40	334.43	0.40
9.50	0.58	334.48	0.58
10.00	0.78	334.53	0.78
10.50	1.07	334.59	1.07
11.00	1.48	334.67	1.48
11.50	2.36	334.81	2.36
12.00	**9.89**	**335.63**	**9.89**
12.50	**14.42**	**336.06**	**14.42**
13.00	4.39	335.07	4.39
13.50	2.70	334.86	2.70
14.00	2.19	334.79	2.19
14.50	1.84	334.73	1.84
15.00	1.62	334.69	1.62
15.50	1.39	334.65	1.39
16.00	1.17	334.61	1.17
16.50	1.00	334.58	1.00
17.00	0.90	334.56	0.90
17.50	0.80	334.53	0.80
18.00	0.70	334.51	0.70
18.50	0.63	334.49	0.63
19.00	0.60	334.48	0.60
19.50	0.57	334.48	0.57
20.00	0.54	334.47	0.54
20.50	0.51	334.46	0.51
21.00	0.49	334.45	0.49
21.50	0.47	334.45	0.47
22.00	0.45	334.44	0.45
22.50	0.43	334.43	0.43
23.00	0.40	334.43	0.40
23.50	0.38	334.42	0.38
24.00	0.36	334.41	0.36

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

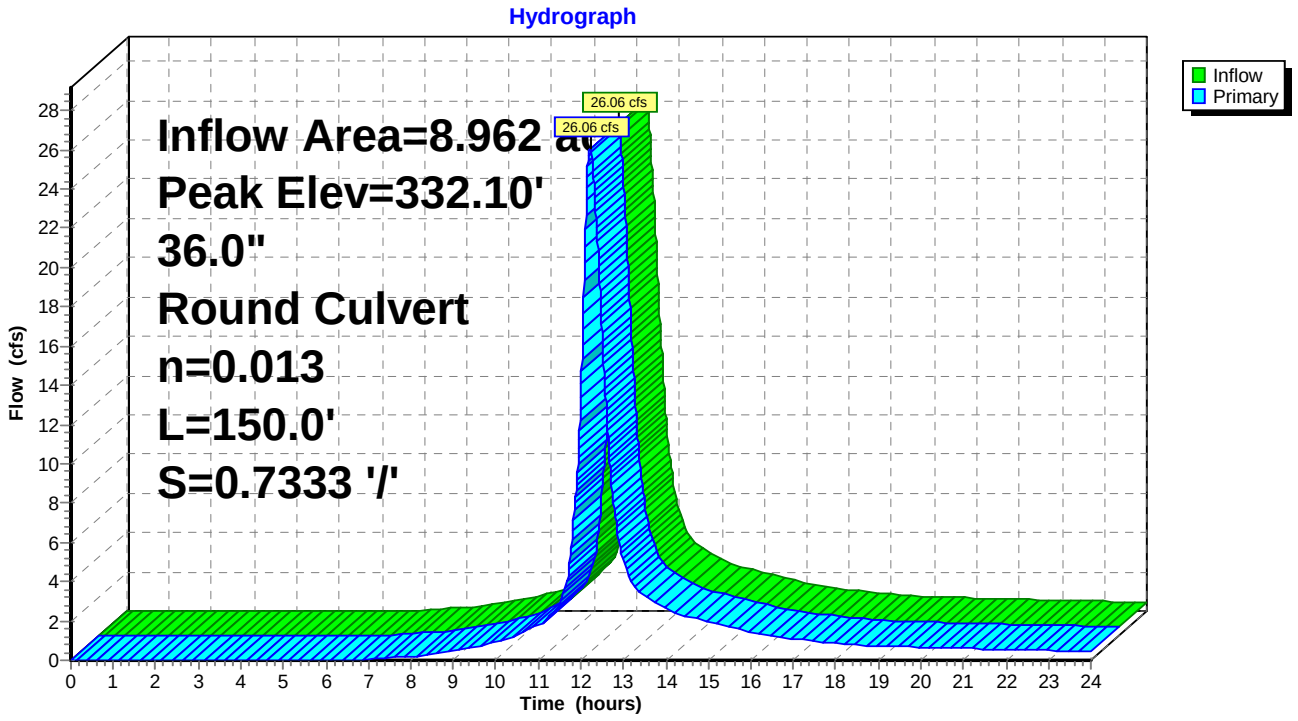
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 3.91" for 25-Year event
Inflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af
Outflow = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af, Atten= 0%, Lag= 0.0 min
Primary = 26.06 cfs @ 12.21 hrs, Volume= 2.923 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.10' @ 12.21 hrs
Flood Elev= 335.00'

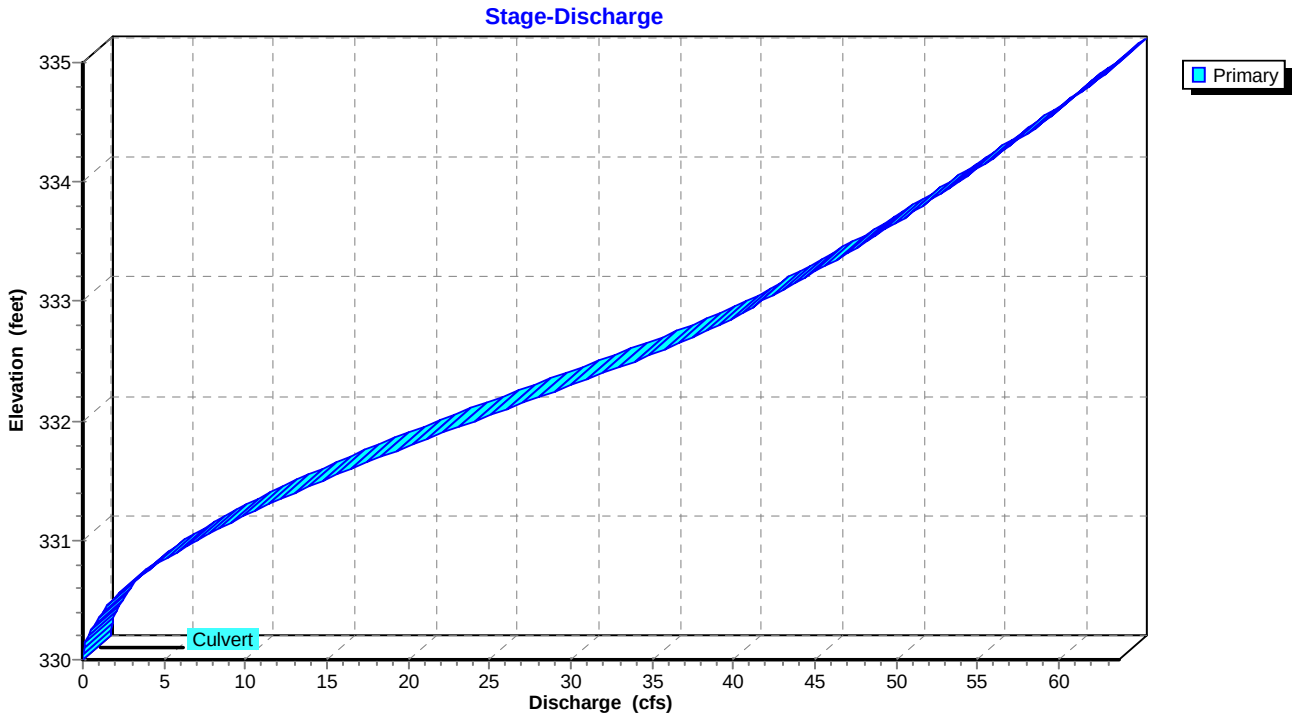
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.05 cfs @ 12.21 hrs HW=332.10' TW=0.00' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 26.05 cfs @ 4.93 fps)

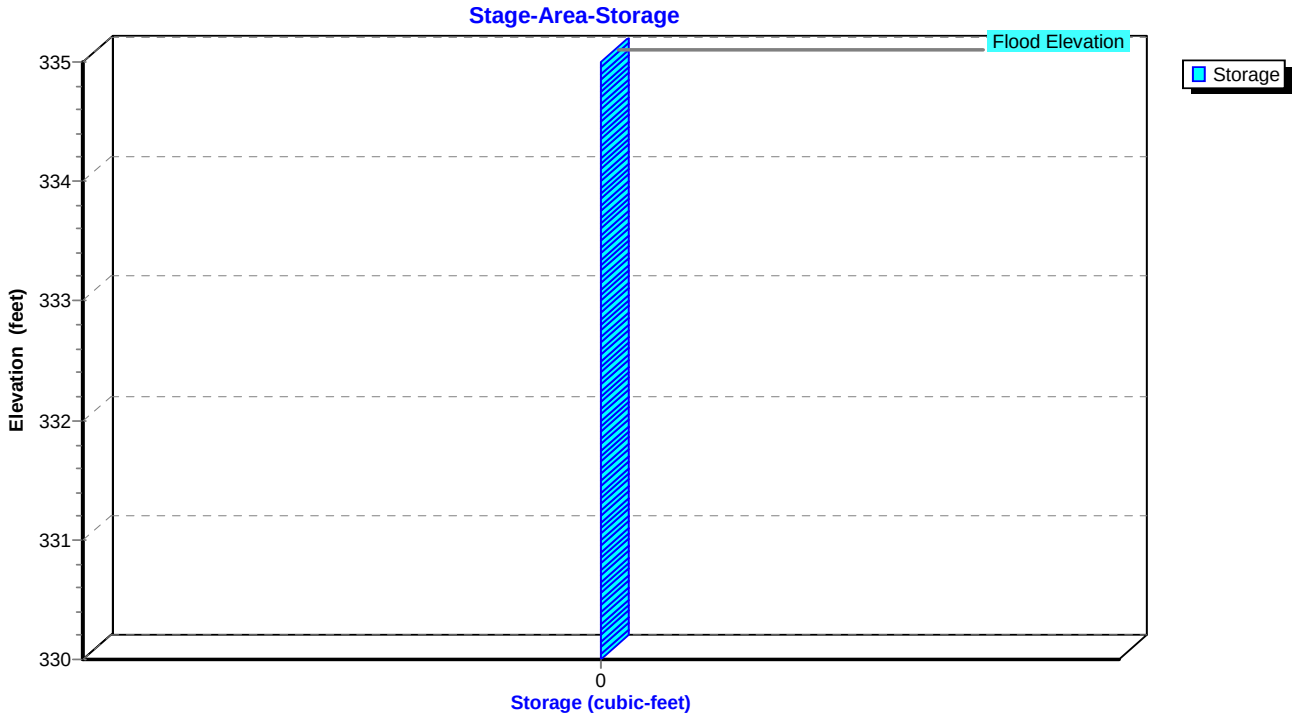
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.00	0.00
5.50	0.00	330.00	0.00
6.00	0.00	330.02	0.00
6.50	0.01	330.04	0.01
7.00	0.05	330.08	0.05
7.50	0.12	330.12	0.12
8.00	0.20	330.16	0.20
8.50	0.31	330.20	0.31
9.00	0.48	330.25	0.48
9.50	0.68	330.30	0.68
10.00	0.93	330.35	0.93
10.50	1.29	330.41	1.29
11.00	1.79	330.49	1.79
11.50	2.90	330.63	2.90
12.00	**13.42**	**331.42**	**13.42**
12.50	**16.69**	**331.61**	**16.69**
13.00	5.14	330.85	5.14
13.50	3.26	330.67	3.26
14.00	2.65	330.60	2.65
14.50	2.23	330.55	2.23
15.00	1.96	330.51	1.96
15.50	1.69	330.48	1.69
16.00	1.41	330.43	1.41
16.50	1.22	330.40	1.22
17.00	1.09	330.38	1.09
17.50	0.97	330.36	0.97
18.00	0.85	330.33	0.85
18.50	0.77	330.32	0.77
19.00	0.73	330.31	0.73
19.50	0.70	330.30	0.70
20.00	0.66	330.29	0.66
20.50	0.63	330.29	0.63
21.00	0.60	330.28	0.60
21.50	0.57	330.27	0.57
22.00	0.55	330.27	0.55
22.50	0.52	330.26	0.52
23.00	0.49	330.25	0.49
23.50	0.46	330.25	0.46
24.00	0.44	330.24	0.44

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

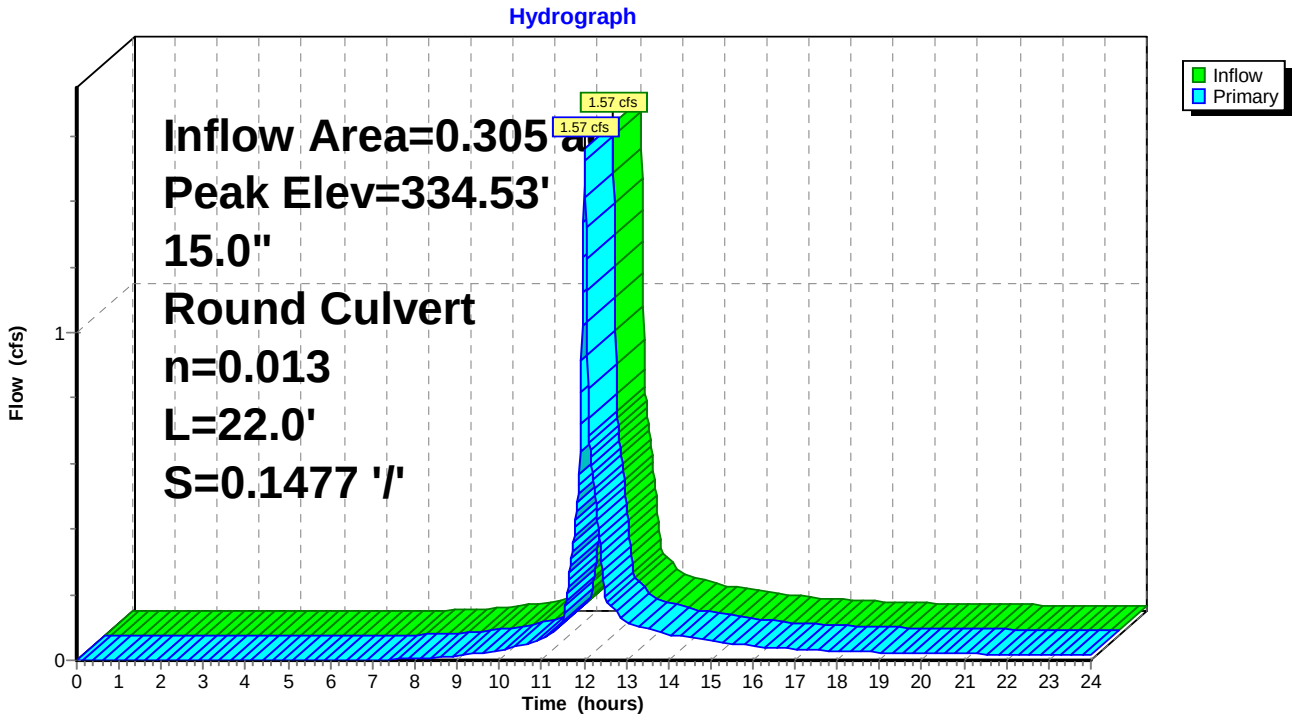
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 3.68" for 25-Year event
Inflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af
Outflow = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af, Atten= 0%, Lag= 0.0 min
Primary = 1.57 cfs @ 12.02 hrs, Volume= 0.093 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.53' @ 12.02 hrs
Flood Elev= 336.50'

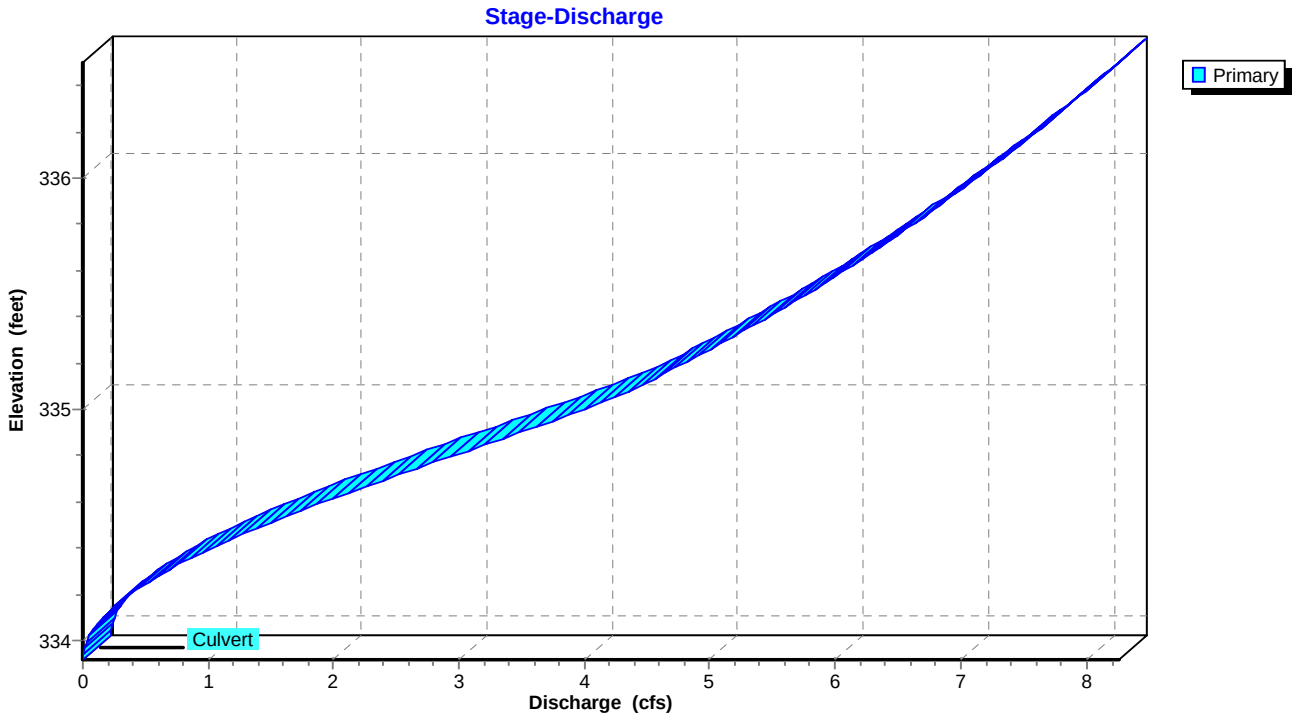
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.56 cfs @ 12.02 hrs HW=334.52' TW=331.49' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.56 cfs @ 2.65 fps)

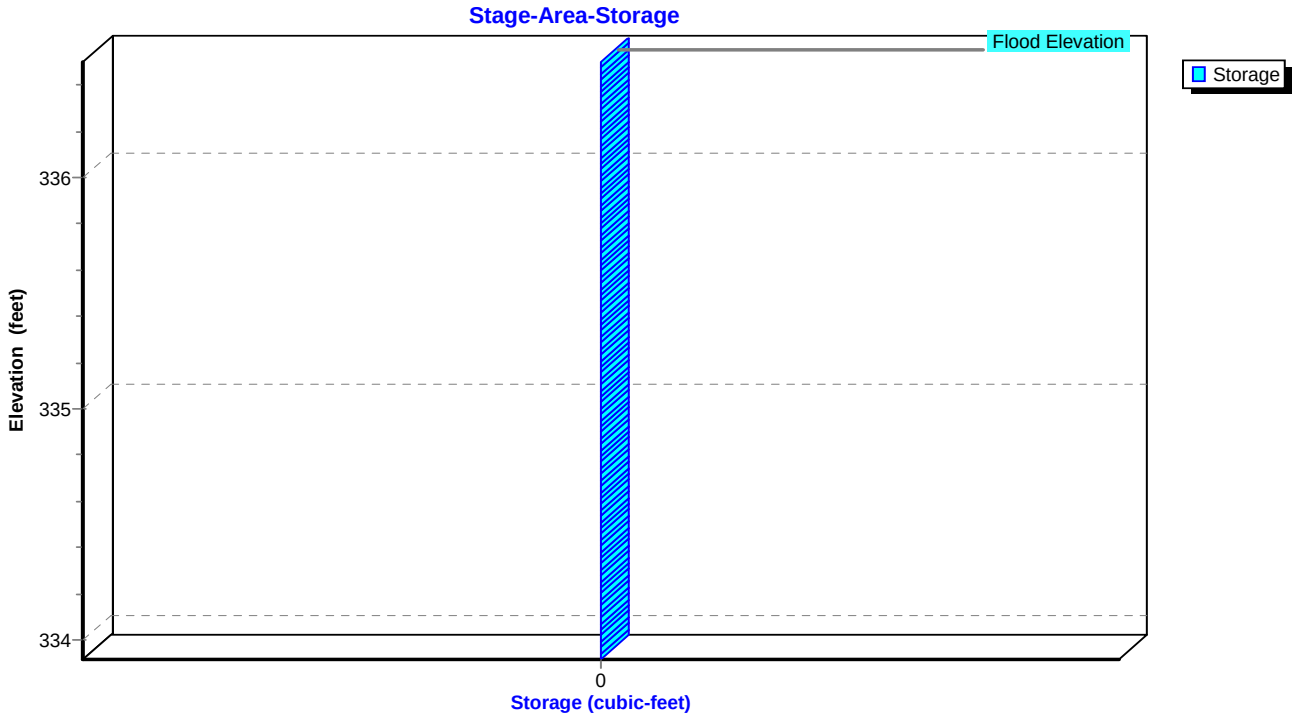
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.92	0.00
7.00	0.00	333.93	0.00
7.50	0.00	333.94	0.00
8.00	0.00	333.95	0.00
8.50	0.01	333.96	0.01
9.00	0.01	333.97	0.01
9.50	0.02	333.99	0.02
10.00	0.03	334.00	0.03
10.50	0.04	334.01	0.04
11.00	0.06	334.03	0.06
11.50	0.12	334.07	0.12
12.00	**1.45**	**334.50**	**1.45**
12.50	**0.20**	**334.12**	**0.20**
13.00	0.12	334.07	0.12
13.50	0.10	334.06	0.10
14.00	0.08	334.05	0.08
14.50	0.07	334.04	0.07
15.00	0.06	334.03	0.06
15.50	0.05	334.02	0.05
16.00	0.04	334.01	0.04
16.50	0.04	334.01	0.04
17.00	0.03	334.00	0.03
17.50	0.03	334.00	0.03
18.00	0.03	333.99	0.03
18.50	0.02	333.99	0.02
19.00	0.02	333.99	0.02
19.50	0.02	333.99	0.02
20.00	0.02	333.99	0.02
20.50	0.02	333.98	0.02
21.00	0.02	333.98	0.02
21.50	0.02	333.98	0.02
22.00	0.02	333.98	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.01	333.97	0.01
24.00	0.01	333.97	0.01

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

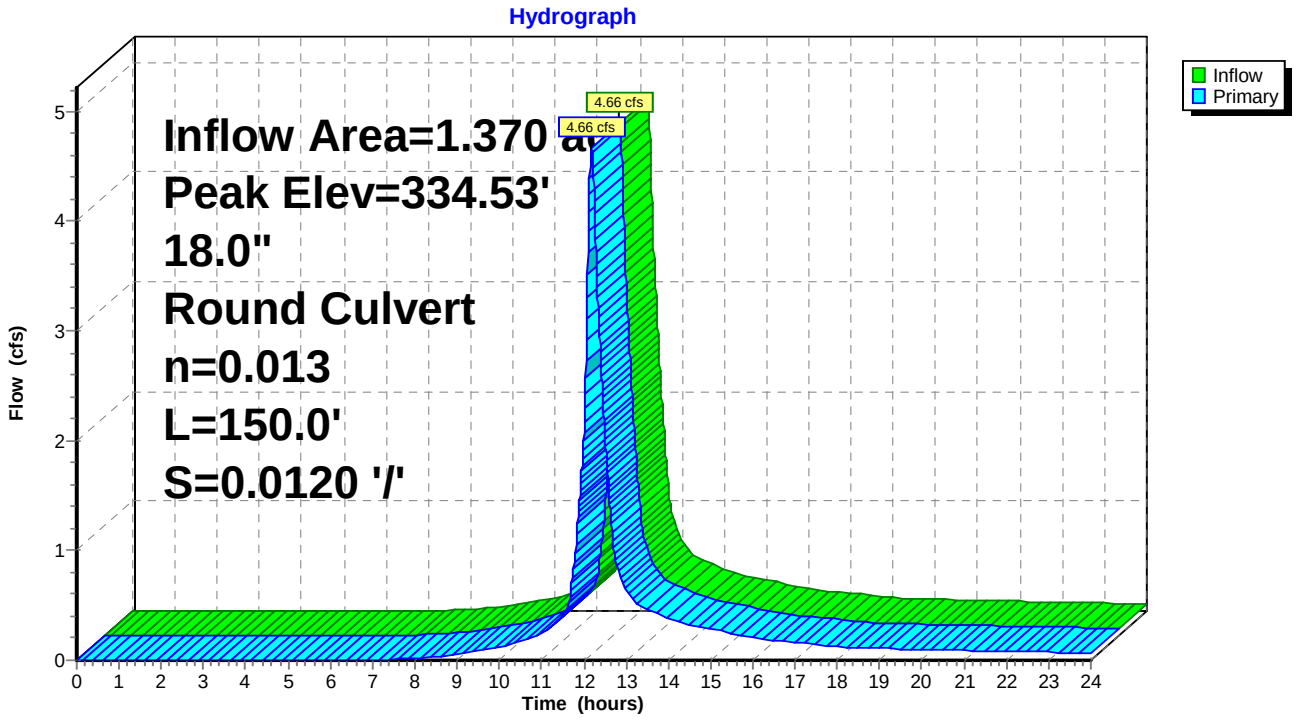
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af
Outflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af, Atten= 0%, Lag= 0.0 min
Primary = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.53' @ 12.18 hrs
Flood Elev= 337.00'

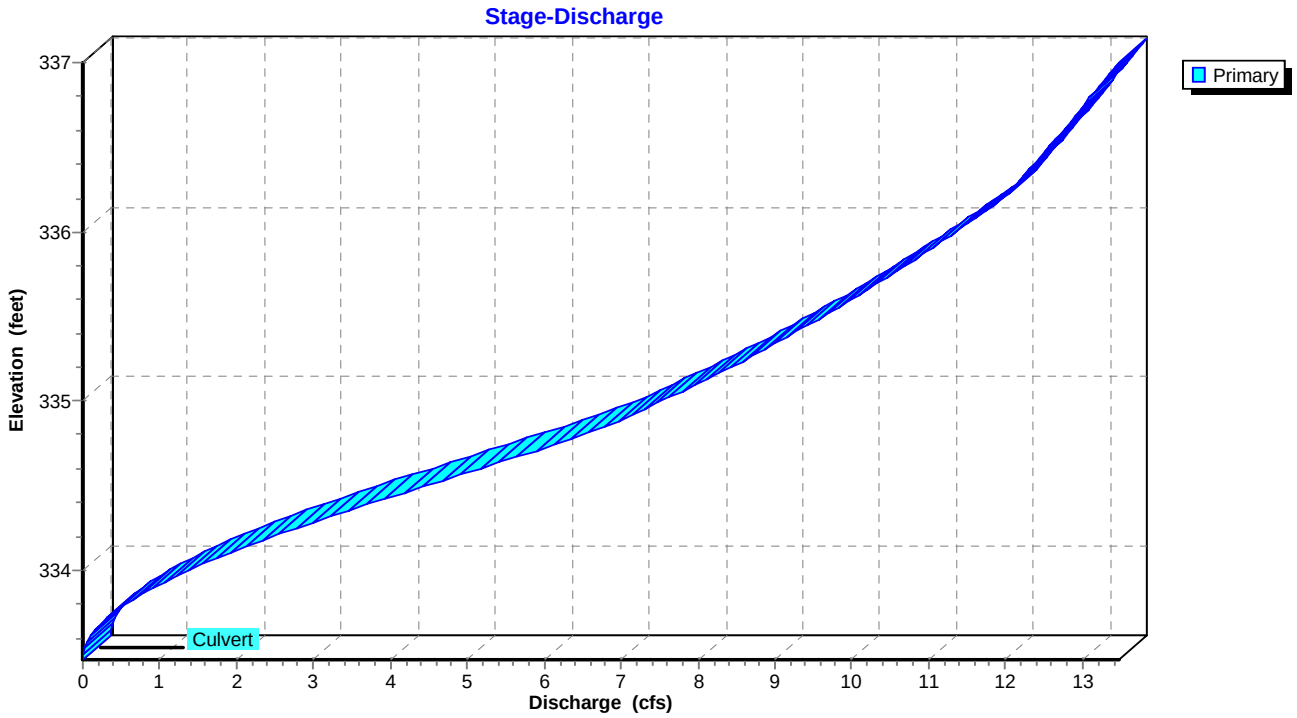
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.66 cfs @ 12.18 hrs HW=334.53' TW=332.09' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.66 cfs @ 3.50 fps)

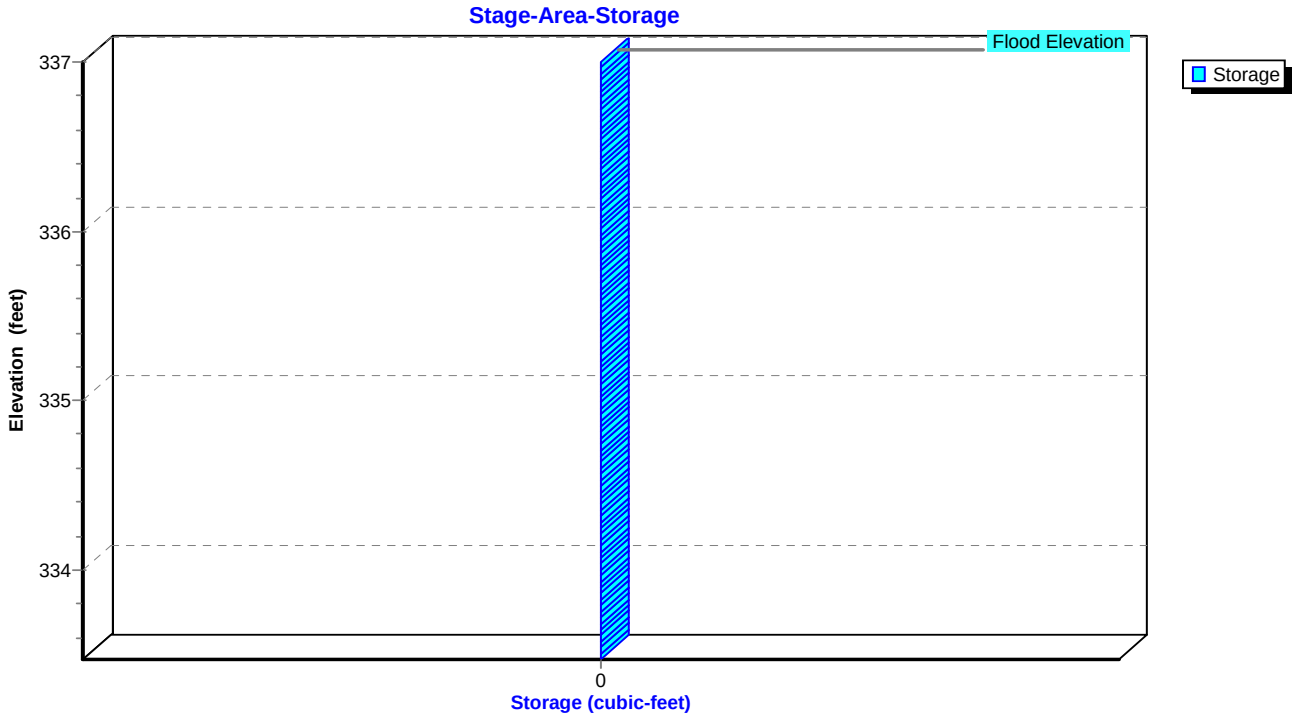
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.47	0.00
7.00	0.00	333.47	0.00
7.50	0.01	333.51	0.01
8.00	0.02	333.53	0.02
8.50	0.03	333.55	0.03
9.00	0.06	333.57	0.06
9.50	0.08	333.60	0.08
10.00	0.12	333.62	0.12
10.50	0.17	333.65	0.17
11.00	0.25	333.69	0.25
11.50	0.42	333.75	0.42
12.00	**2.08**	**334.13**	**2.08**
12.50	**2.07**	**334.13**	**2.07**
13.00	0.64	333.82	0.64
13.50	0.46	333.77	0.46
14.00	0.38	333.74	0.38
14.50	0.32	333.72	0.32
15.00	0.29	333.70	0.29
15.50	0.25	333.69	0.25
16.00	0.20	333.67	0.20
16.50	0.18	333.65	0.18
17.00	0.16	333.64	0.16
17.50	0.14	333.63	0.14
18.00	0.12	333.62	0.12
18.50	0.11	333.62	0.11
19.00	0.11	333.61	0.11
19.50	0.10	333.61	0.10
20.00	0.10	333.60	0.10
20.50	0.09	333.60	0.09
21.00	0.09	333.60	0.09
21.50	0.08	333.60	0.08
22.00	0.08	333.59	0.08
22.50	0.08	333.59	0.08
23.00	0.07	333.59	0.07
23.50	0.07	333.58	0.07
24.00	0.06	333.58	0.06

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)
333.47	**0**
333.52	0
333.57	0
333.62	0
333.67	0
333.72	0
333.77	0
333.82	0
333.87	0
333.92	0
333.97	0
334.02	0
334.07	0
334.12	0
334.17	0
334.22	0
334.27	0
334.32	0
334.37	0
334.42	0
334.47	0
334.52	0
334.57	0
334.62	0
334.67	0
334.72	0
334.77	0
334.82	0
334.87	0
334.92	0
334.97	0
335.02	0
335.07	0
335.12	0
335.17	0
335.22	0
335.27	0
335.32	0
335.37	0
335.42	0
335.47	0
335.52	0
335.57	0
335.62	0
335.67	0
335.72	0
335.77	0
335.82	0
335.87	0
335.92	0
335.97	0

Elevation (feet)	Storage (cubic-feet)
336.02	0
336.07	0
336.12	0
336.17	0
336.22	0
336.27	0
336.32	0
336.37	0
336.42	0
336.47	0
336.52	0
336.57	0
336.62	0
336.67	0
336.72	0
336.77	0
336.82	0
336.87	0
336.92	0
336.97	0

Summary for Pond CB6-1: CB1-1

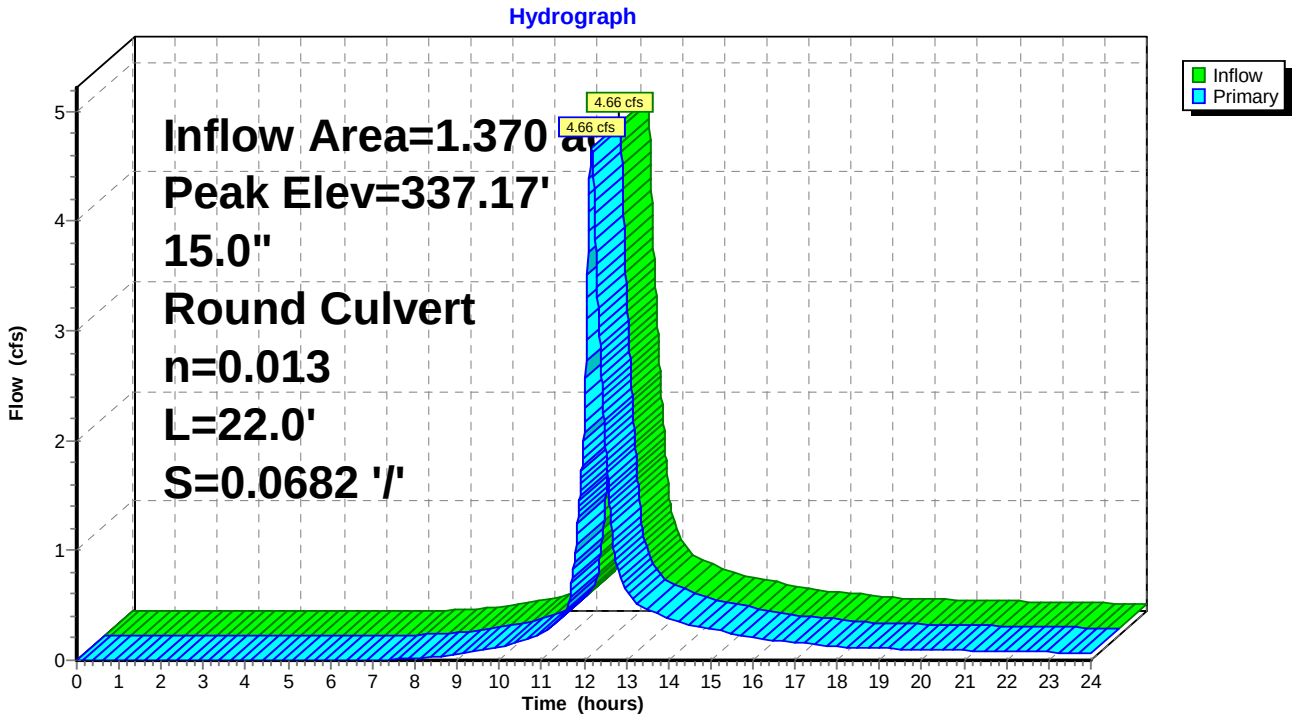
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af
Outflow = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af, Atten= 0%, Lag= 0.0 min
Primary = 4.66 cfs @ 12.18 hrs, Volume= 0.419 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.17' @ 12.18 hrs
Flood Elev= 338.50'

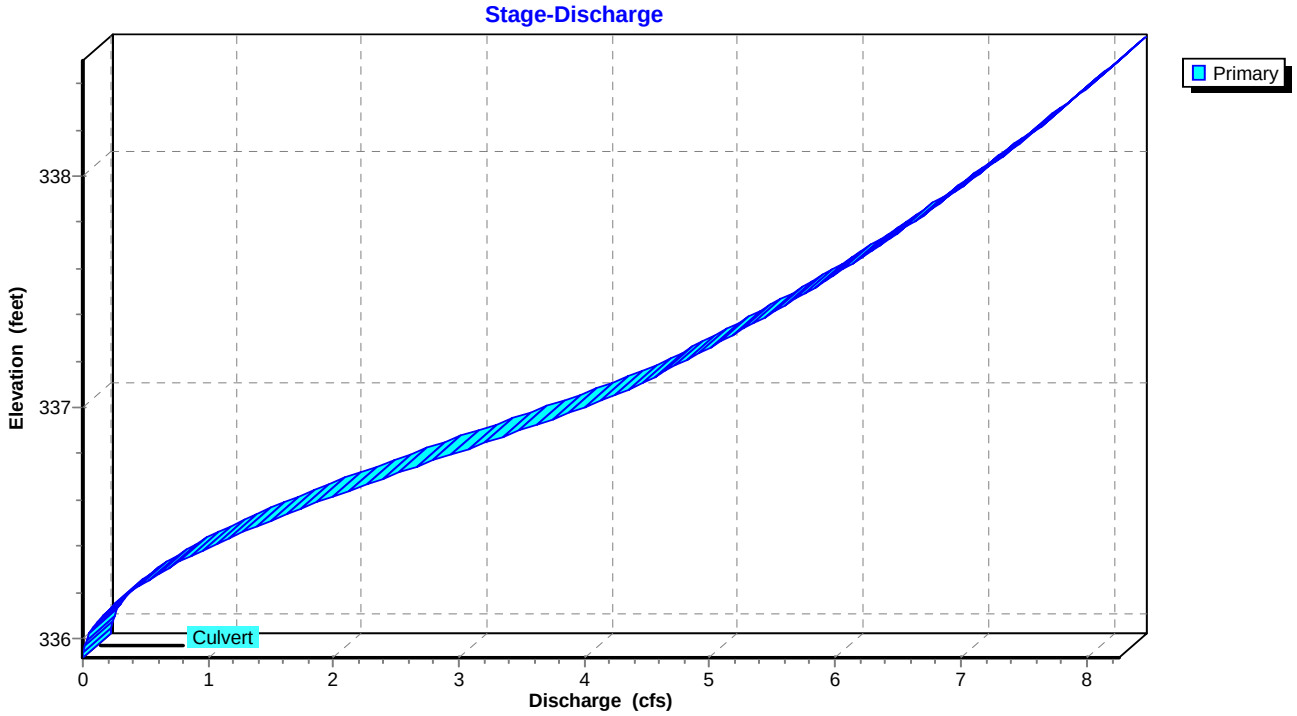
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.66 cfs @ 12.18 hrs HW=337.16' TW=334.53' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.66 cfs @ 3.80 fps)

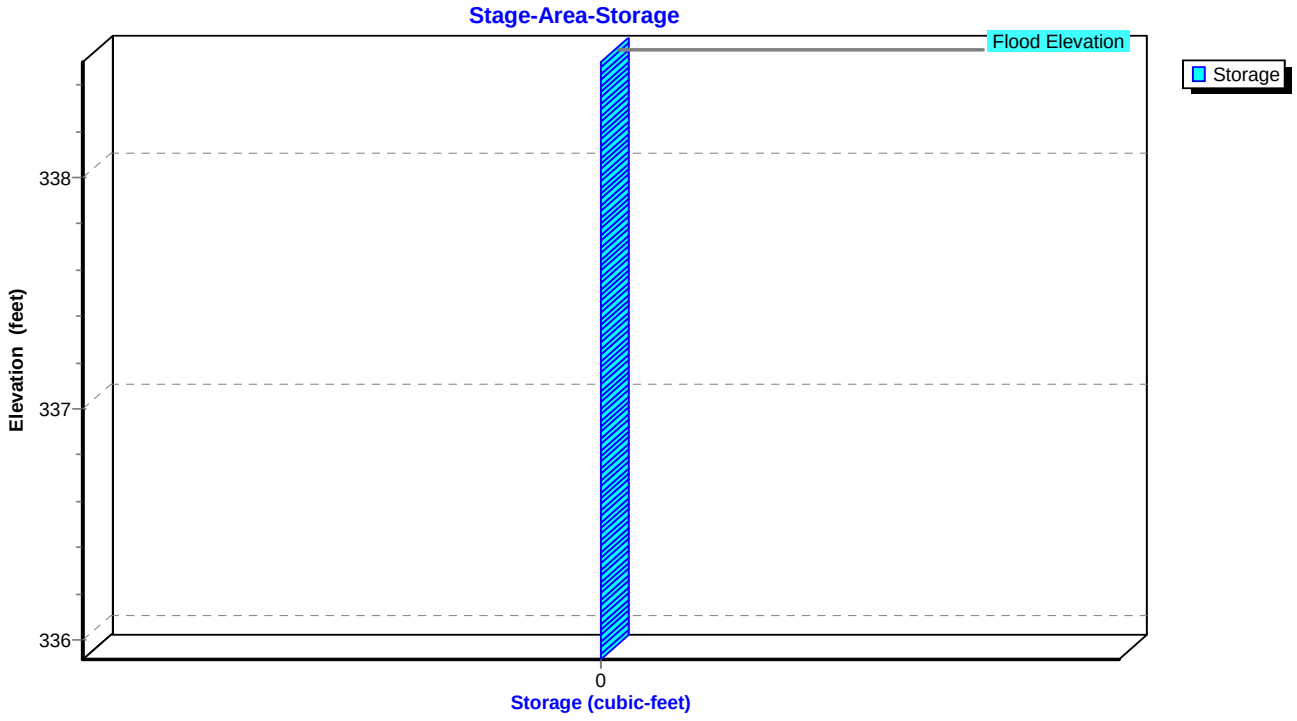
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.92	0.00
7.00	0.00	335.92	0.00
7.50	0.01	335.96	0.01
8.00	0.02	335.98	0.02
8.50	0.03	336.00	0.03
9.00	0.06	336.03	0.06
9.50	0.08	336.05	0.08
10.00	0.12	336.08	0.12
10.50	0.17	336.11	0.17
11.00	0.25	336.15	0.25
11.50	0.42	336.22	0.42
12.00	**2.08**	**336.63**	**2.08**
12.50	**2.07**	**336.63**	**2.07**
13.00	0.64	336.29	0.64
13.50	0.46	336.23	0.46
14.00	0.38	336.20	0.38
14.50	0.32	336.18	0.32
15.00	0.29	336.16	0.29
15.50	0.25	336.15	0.25
16.00	0.20	336.13	0.20
16.50	0.18	336.11	0.18
17.00	0.16	336.10	0.16
17.50	0.14	336.09	0.14
18.00	0.12	336.08	0.12
18.50	0.11	336.07	0.11
19.00	0.11	336.07	0.11
19.50	0.10	336.07	0.10
20.00	0.10	336.06	0.10
20.50	0.09	336.06	0.09
21.00	0.09	336.05	0.09
21.50	0.08	336.05	0.08
22.00	0.08	336.05	0.08
22.50	0.08	336.05	0.08
23.00	0.07	336.04	0.07
23.50	0.07	336.04	0.07
24.00	0.06	336.03	0.06

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

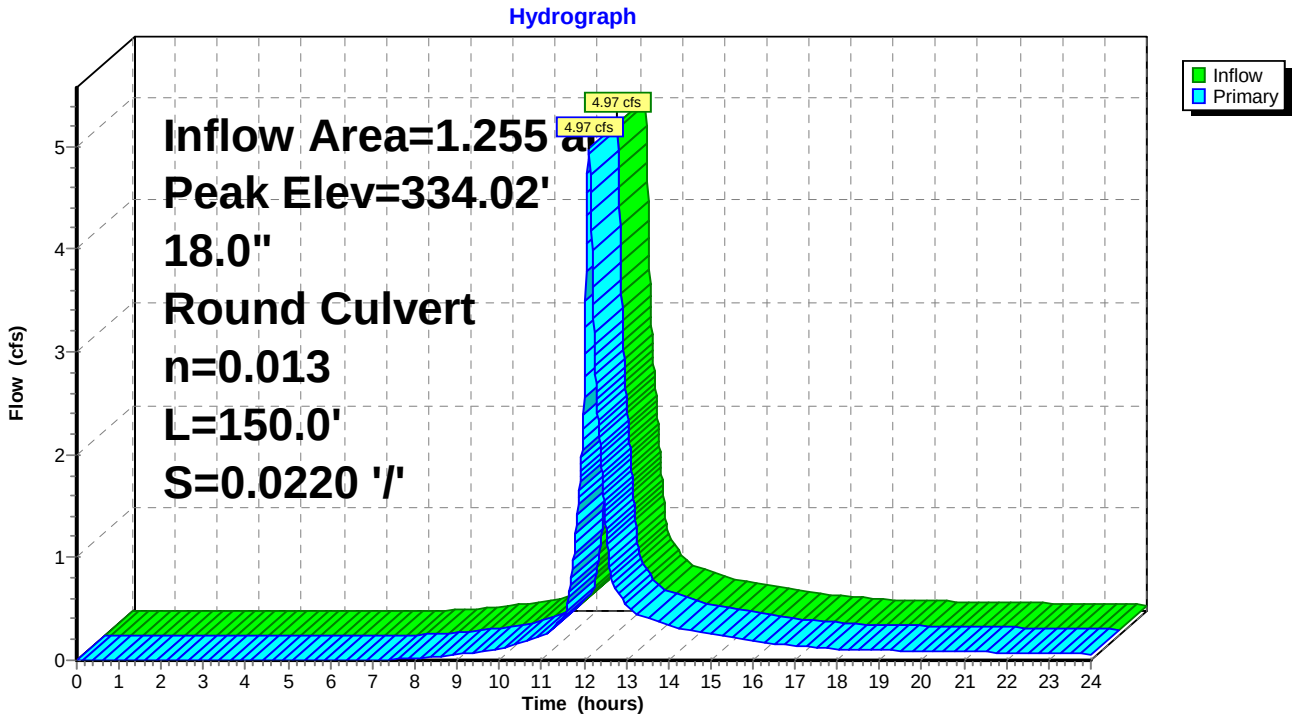
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af
Outflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.02' @ 12.12 hrs
Flood Elev= 335.75'

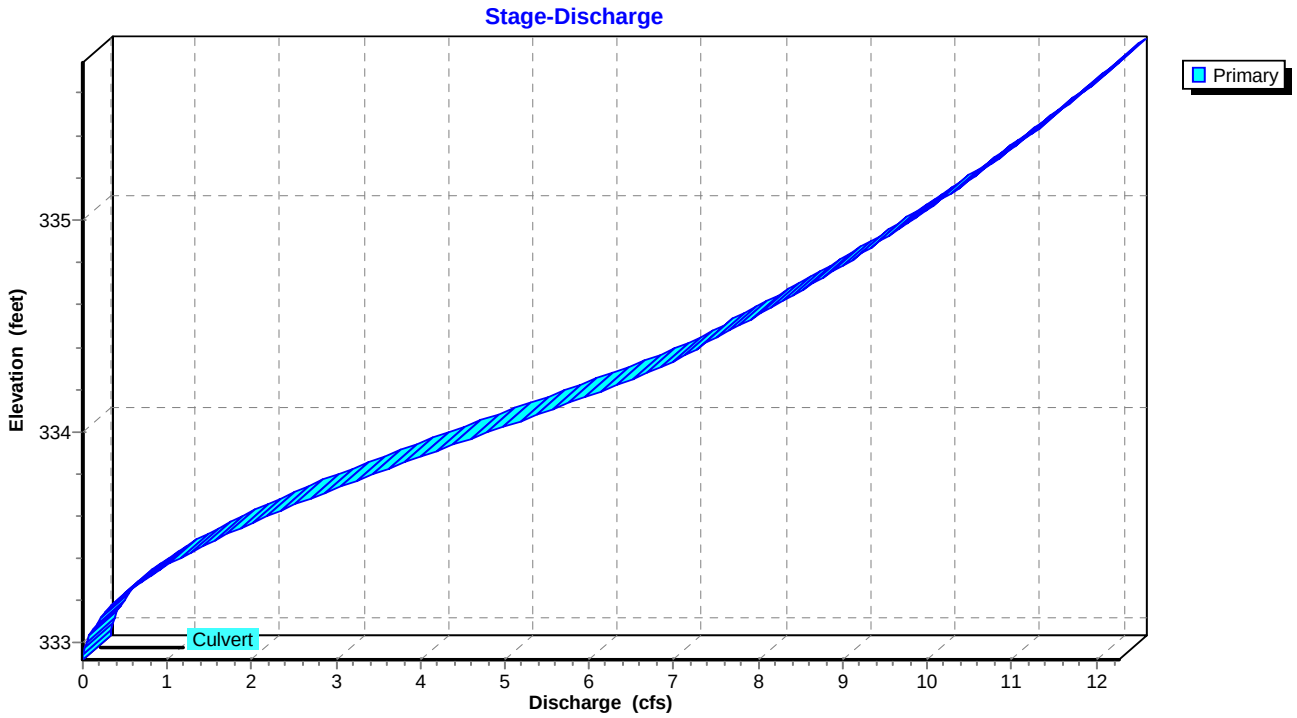
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=4.97 cfs @ 12.12 hrs HW=334.02' TW=330.71' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.97 cfs @ 3.57 fps)

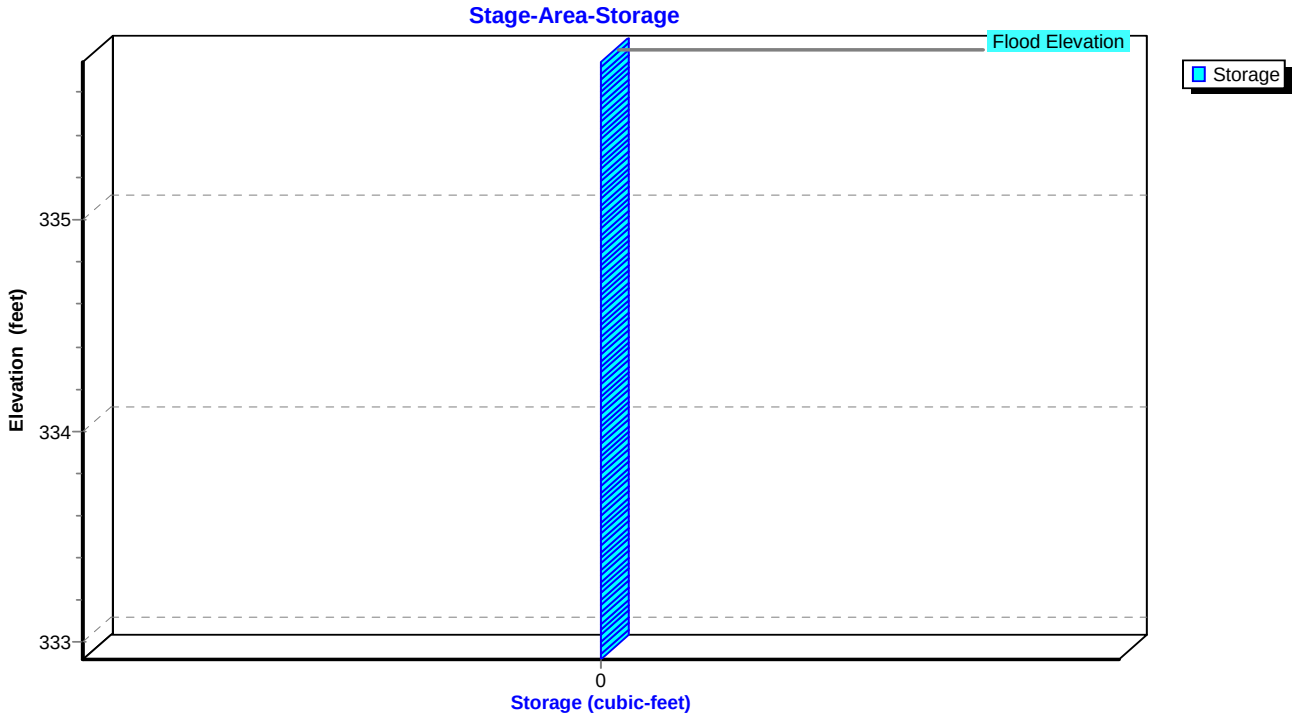
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.00	332.92	0.00
7.00	0.00	332.92	0.00
7.50	0.01	332.96	0.01
8.00	0.02	332.98	0.02
8.50	0.03	333.00	0.03
9.00	0.05	333.02	0.05
9.50	0.08	333.04	0.08
10.00	0.12	333.07	0.12
10.50	0.17	333.10	0.17
11.00	0.24	333.13	0.24
11.50	0.42	333.20	0.42
12.00	**2.56**	**333.66**	**2.56**
12.50	**1.44**	**333.46**	**1.44**
13.00	0.54	333.24	0.54
13.50	0.41	333.20	0.41
14.00	0.34	333.17	0.34
14.50	0.29	333.15	0.29
15.00	0.26	333.14	0.26
15.50	0.22	333.12	0.22
16.00	0.18	333.10	0.18
16.50	0.16	333.09	0.16
17.00	0.14	333.08	0.14
17.50	0.13	333.07	0.13
18.00	0.11	333.06	0.11
18.50	0.10	333.06	0.10
19.00	0.10	333.05	0.10
19.50	0.09	333.05	0.09
20.00	0.09	333.05	0.09
20.50	0.08	333.05	0.08
21.00	0.08	333.04	0.08
21.50	0.08	333.04	0.08
22.00	0.07	333.04	0.07
22.50	0.07	333.03	0.07
23.00	0.07	333.03	0.07
23.50	0.06	333.03	0.06
24.00	0.06	333.02	0.06

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

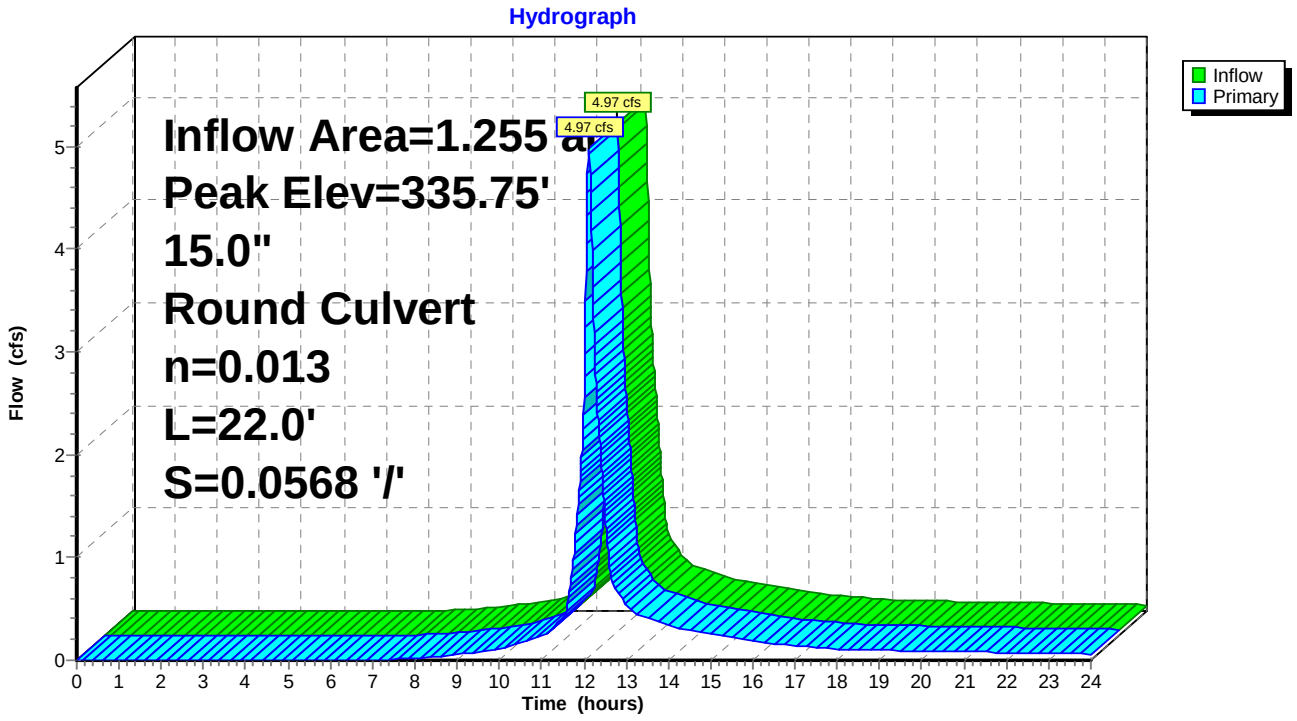
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 3.67" for 25-Year event
Inflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af
Outflow = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.12 hrs, Volume= 0.384 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.75' @ 12.12 hrs
Flood Elev= 337.00'

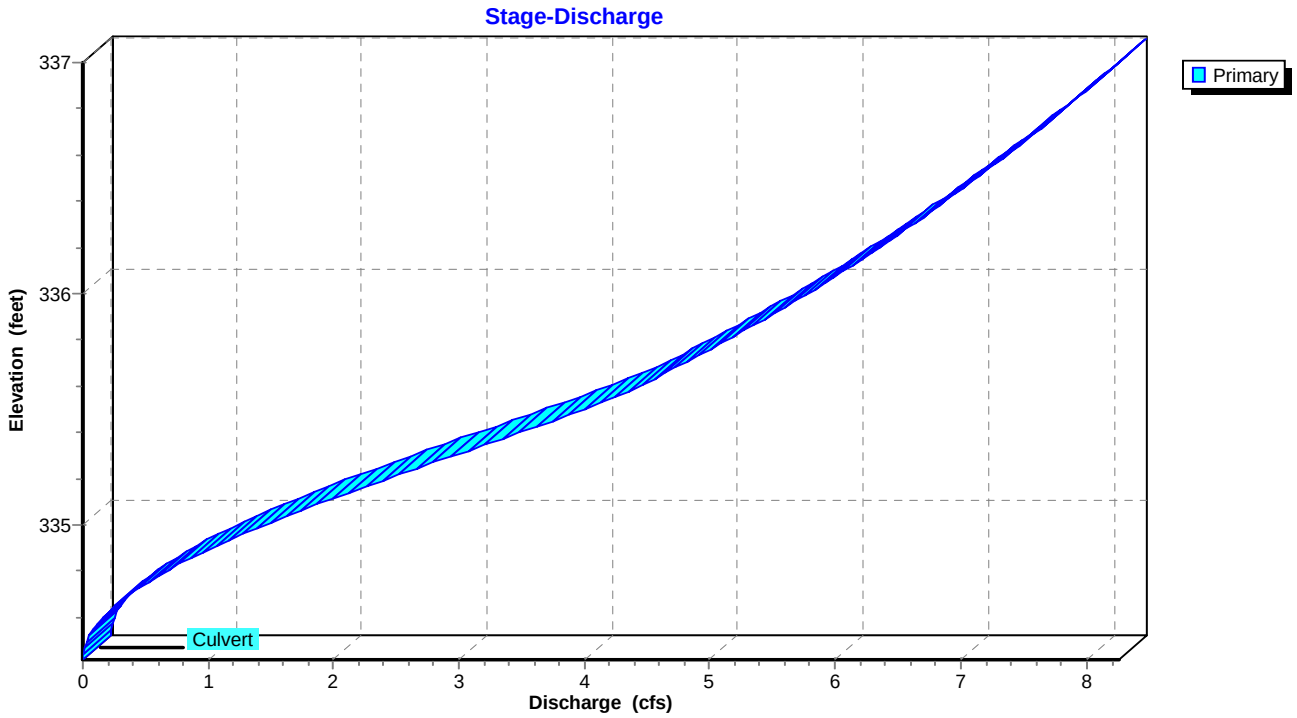
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.97 cfs @ 12.12 hrs HW=335.75' TW=334.02' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.97 cfs @ 4.05 fps)

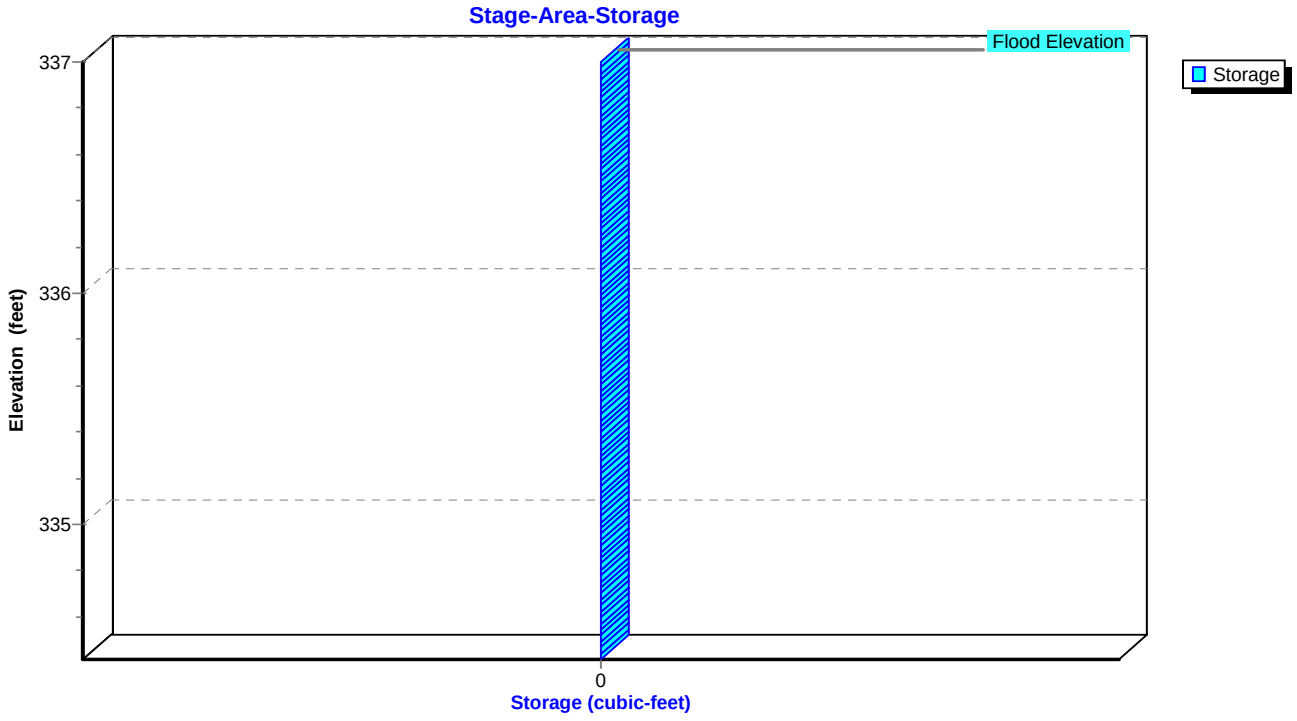
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.42	0.00
7.00	0.00	334.42	0.00
7.50	0.01	334.46	0.01
8.00	0.02	334.48	0.02
8.50	0.03	334.50	0.03
9.00	0.05	334.53	0.05
9.50	0.08	334.55	0.08
10.00	0.12	334.57	0.12
10.50	0.17	334.61	0.17
11.00	0.24	334.64	0.24
11.50	0.42	334.72	0.42
12.00	**2.56**	**335.23**	**2.56**
12.50	**1.44**	**335.00**	**1.44**
13.00	0.54	334.76	0.54
13.50	0.41	334.72	0.41
14.00	0.34	334.69	0.34
14.50	0.29	334.67	0.29
15.00	0.26	334.65	0.26
15.50	0.22	334.63	0.22
16.00	0.18	334.61	0.18
16.50	0.16	334.60	0.16
17.00	0.14	334.59	0.14
17.50	0.13	334.58	0.13
18.00	0.11	334.57	0.11
18.50	0.10	334.57	0.10
19.00	0.10	334.56	0.10
19.50	0.09	334.56	0.09
20.00	0.09	334.55	0.09
20.50	0.08	334.55	0.08
21.00	0.08	334.55	0.08
21.50	0.08	334.55	0.08
22.00	0.07	334.54	0.07
22.50	0.07	334.54	0.07
23.00	0.07	334.54	0.07
23.50	0.06	334.53	0.06
24.00	0.06	334.53	0.06

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

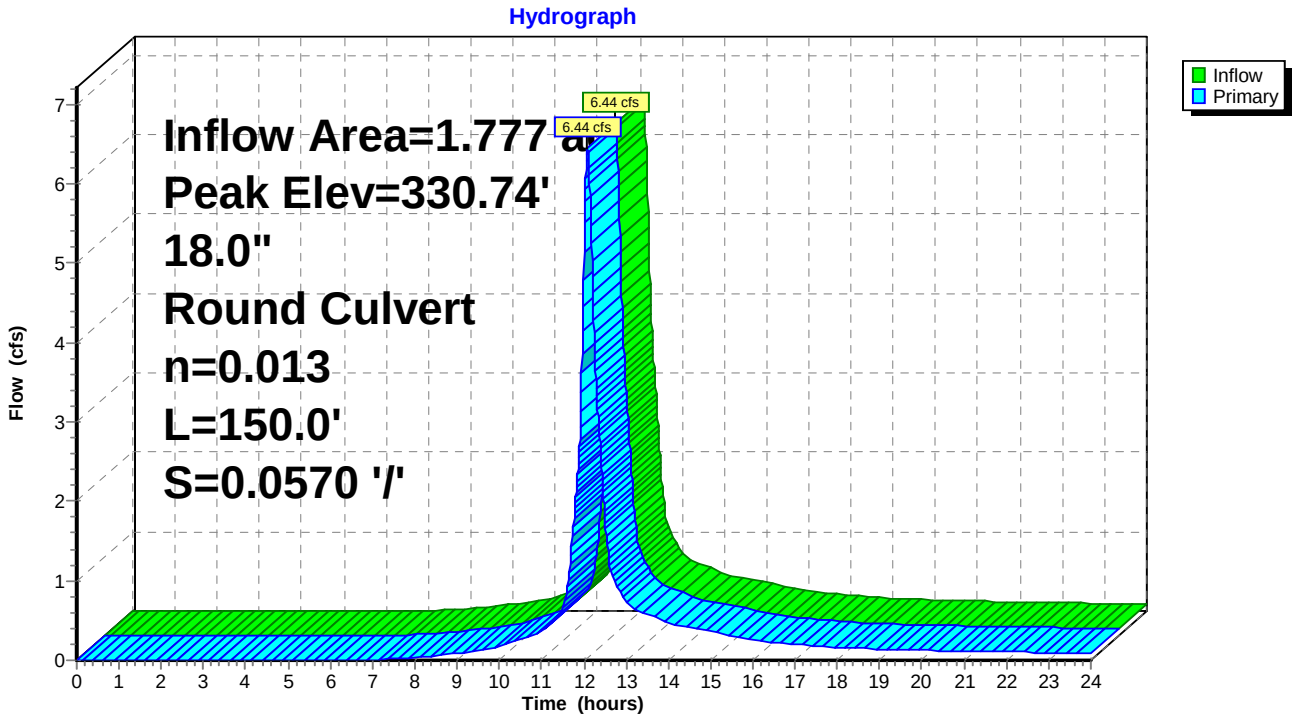
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 3.74" for 25-Year event
Inflow = 6.44 cfs @ 12.09 hrs, Volume= 0.553 af
Outflow = 6.44 cfs @ 12.09 hrs, Volume= 0.553 af, Atten= 0%, Lag= 0.0 min
Primary = 6.44 cfs @ 12.09 hrs, Volume= 0.553 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 330.74' @ 12.09 hrs
Flood Elev= 332.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

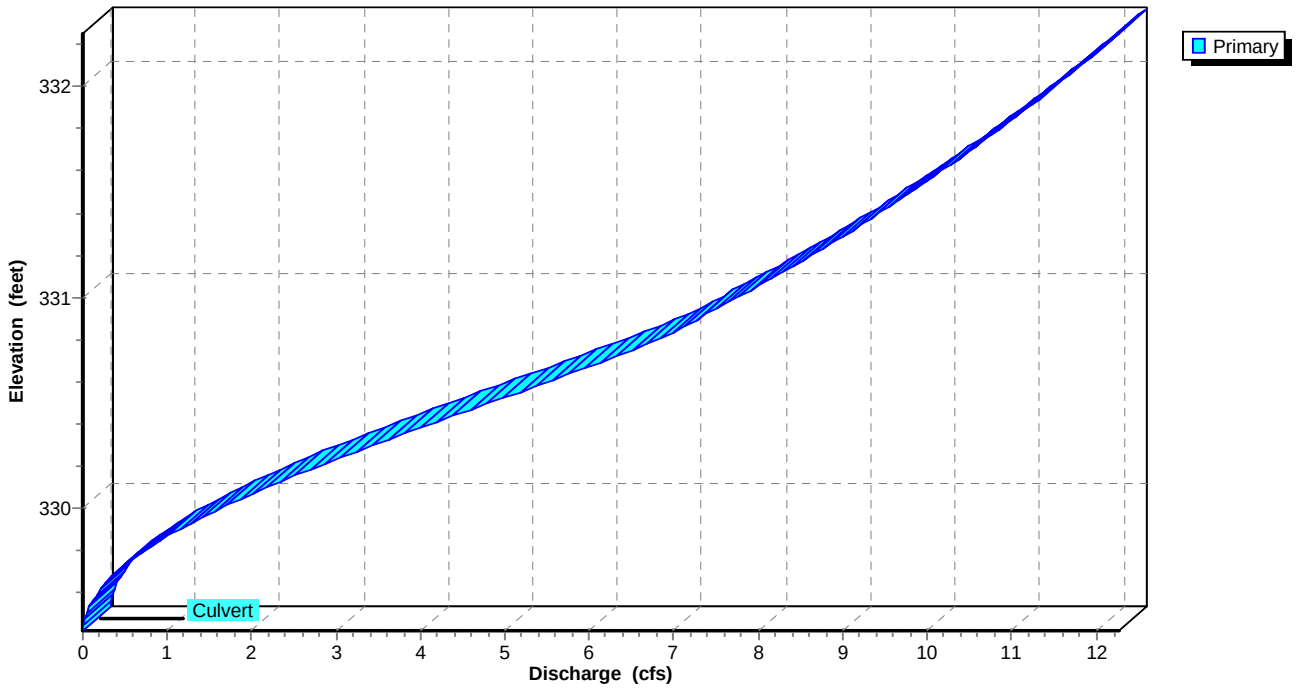
Primary OutFlow Max=6.44 cfs @ 12.09 hrs HW=330.74' TW=322.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.44 cfs @ 3.91 fps)

Pond CB8: Catchbasin



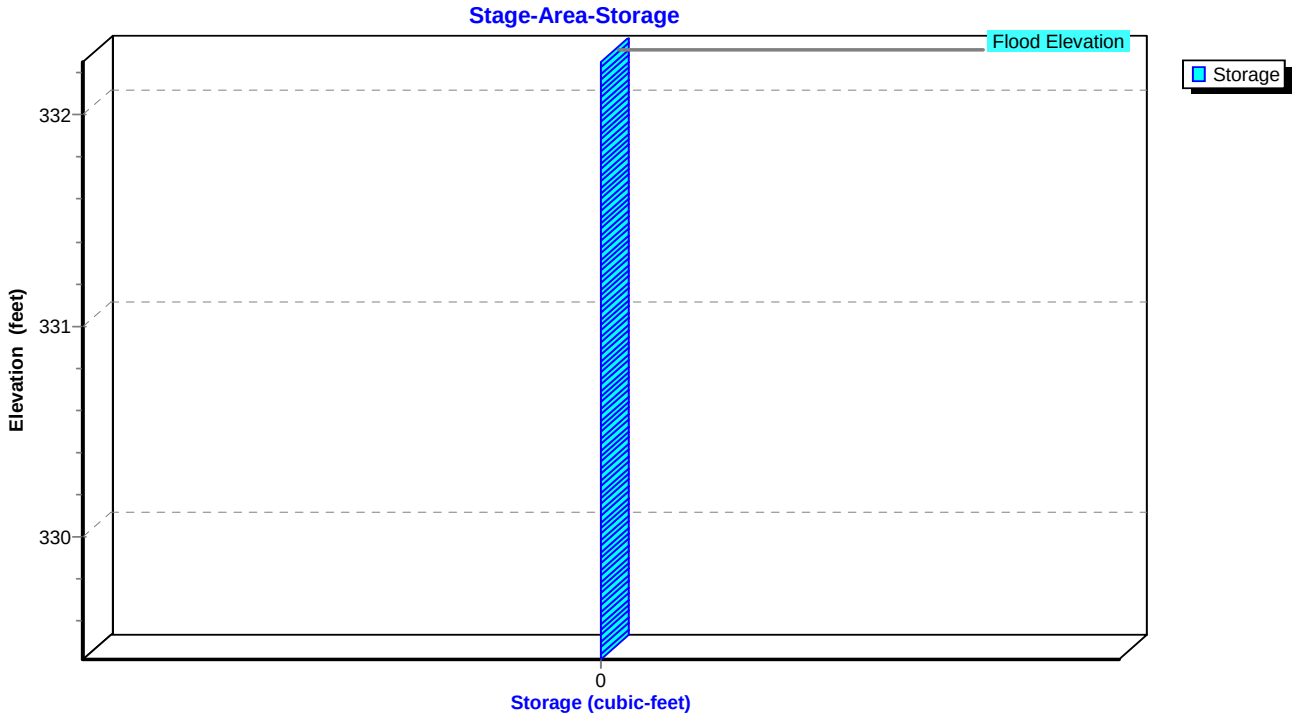
Pond CB8: Catchbasin

Stage-Discharge



Pond CB8: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.42	0.00
6.00	0.00	329.42	0.00
6.50	0.00	329.43	0.00
7.00	0.00	329.45	0.00
7.50	0.02	329.47	0.02
8.00	0.03	329.50	0.03
8.50	0.05	329.52	0.05
9.00	0.09	329.55	0.09
9.50	0.13	329.57	0.13
10.00	0.18	329.60	0.18
10.50	0.25	329.64	0.25
11.00	0.35	329.68	0.35
11.50	0.64	329.77	0.64
12.00	**5.15**	**330.55**	**5.15**
12.50	**1.80**	**330.03**	**1.80**
13.00	0.74	329.80	0.74
13.50	0.58	329.76	0.58
14.00	0.47	329.72	0.47
14.50	0.41	329.70	0.41
15.00	0.36	329.68	0.36
15.50	0.31	329.66	0.31
16.00	0.26	329.64	0.26
16.50	0.23	329.63	0.23
17.00	0.20	329.62	0.20
17.50	0.18	329.60	0.18
18.00	0.16	329.59	0.16
18.50	0.15	329.59	0.15
19.00	0.14	329.58	0.14
19.50	0.13	329.58	0.13
20.00	0.13	329.57	0.13
20.50	0.12	329.57	0.12
21.00	0.12	329.57	0.12
21.50	0.11	329.56	0.11
22.00	0.10	329.56	0.10
22.50	0.10	329.56	0.10
23.00	0.09	329.55	0.09
23.50	0.09	329.55	0.09
24.00	0.08	329.54	0.08

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

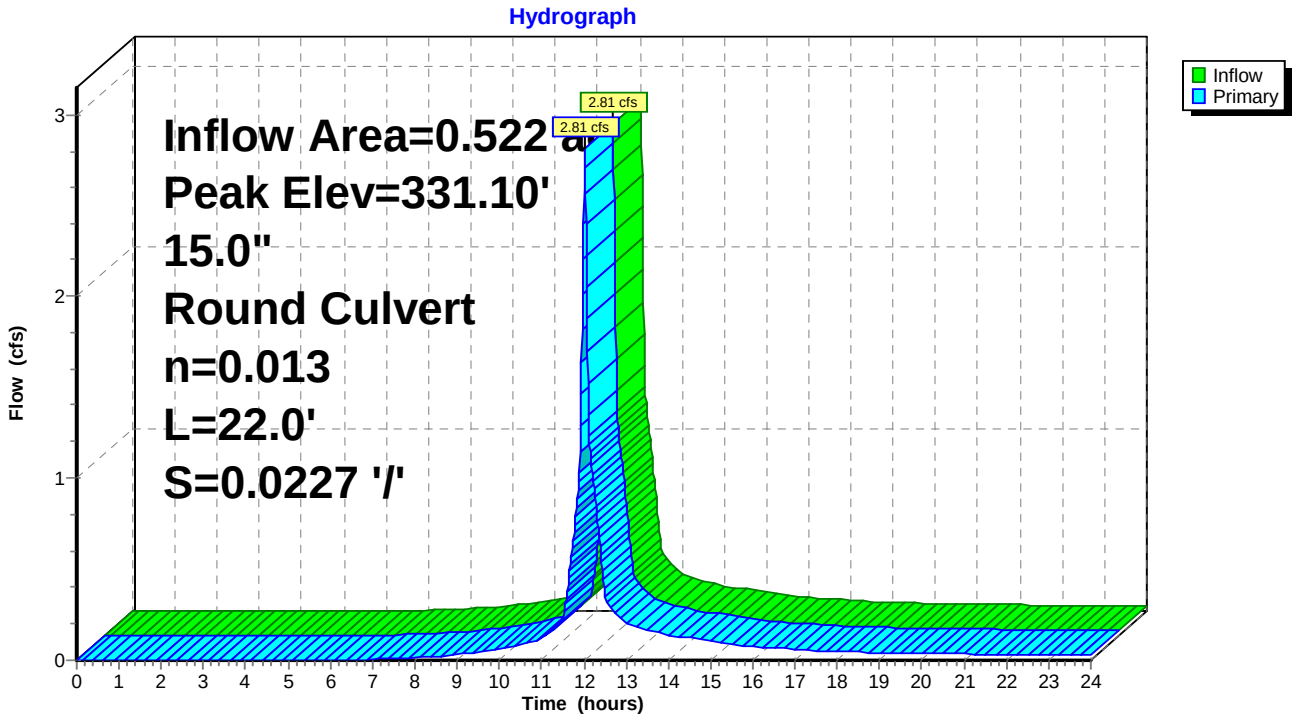
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 3.88" for 25-Year event
Inflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af
Outflow = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af, Atten= 0%, Lag= 0.0 min
Primary = 2.81 cfs @ 12.02 hrs, Volume= 0.169 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.10' @ 12.03 hrs
Flood Elev= 332.80'

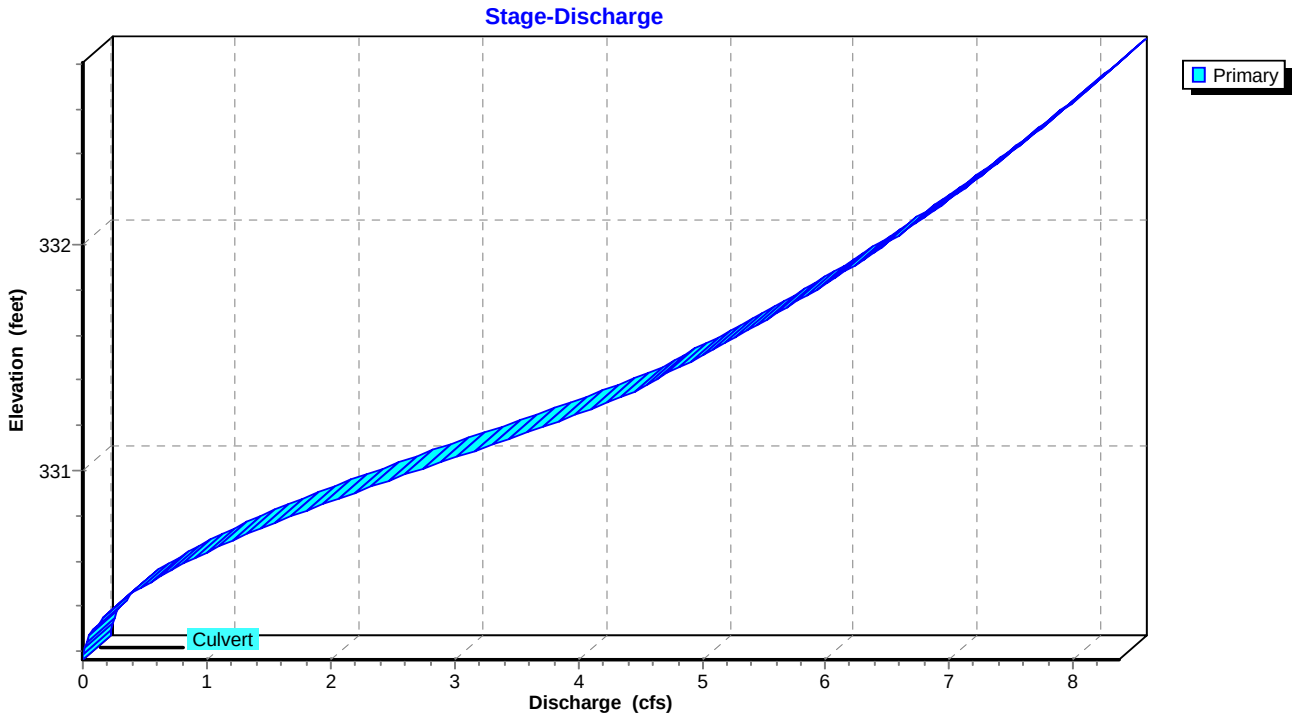
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.68 cfs @ 12.02 hrs HW=331.09' TW=330.63' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 2.68 cfs @ 3.86 fps)

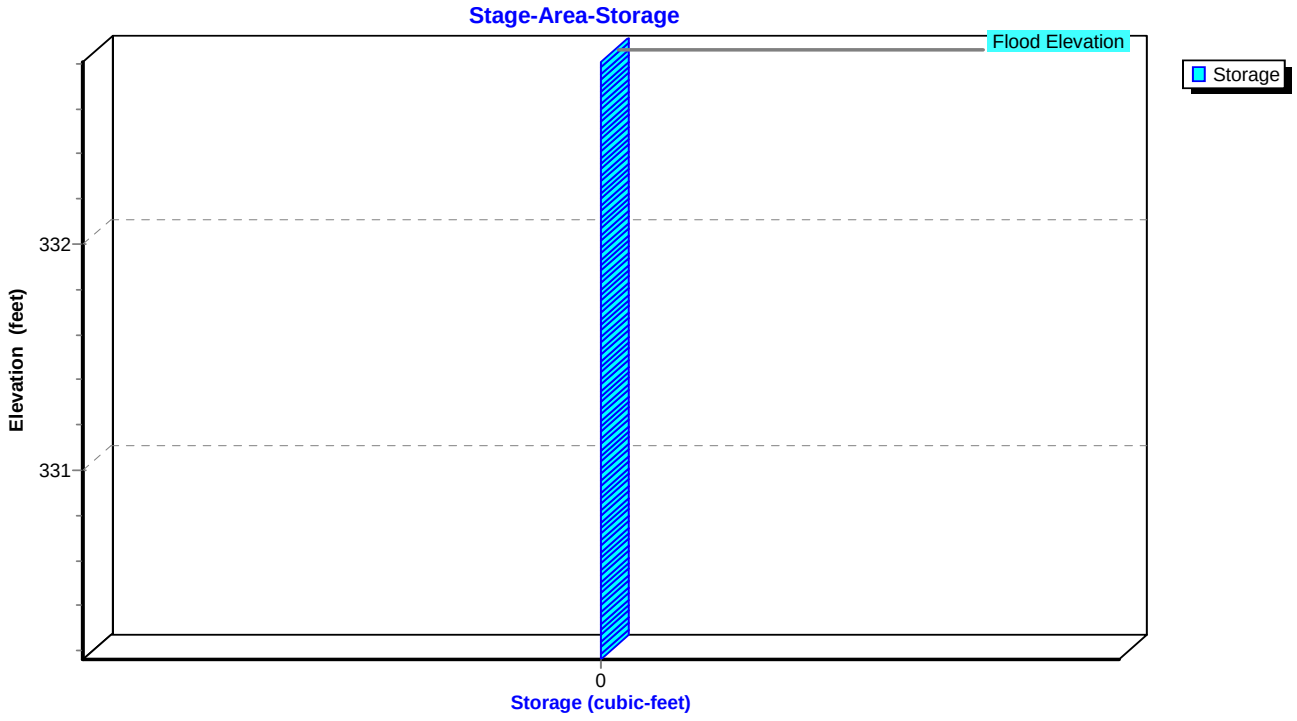
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.17	0.00
6.50	0.00	330.18	0.00
7.00	0.00	330.20	0.00
7.50	0.01	330.21	0.01
8.00	0.01	330.22	0.01
8.50	0.02	330.24	0.02
9.00	0.03	330.25	0.03
9.50	0.05	330.27	0.05
10.00	0.06	330.28	0.06
10.50	0.09	330.30	0.09
11.00	0.12	330.33	0.12
11.50	0.22	330.38	0.22
12.00	**2.59**	**331.02**	**2.59**
12.50	**0.36**	**330.45**	**0.36**
13.00	0.20	330.38	0.20
13.50	0.17	330.36	0.17
14.00	0.14	330.34	0.14
14.50	0.12	330.33	0.12
15.00	0.11	330.32	0.11
15.50	0.09	330.31	0.09
16.00	0.07	330.29	0.07
16.50	0.07	330.29	0.07
17.00	0.06	330.28	0.06
17.50	0.05	330.27	0.05
18.00	0.05	330.27	0.05
18.50	0.04	330.26	0.04
19.00	0.04	330.26	0.04
19.50	0.04	330.26	0.04
20.00	0.04	330.26	0.04
20.50	0.04	330.25	0.04
21.00	0.03	330.25	0.03
21.50	0.03	330.25	0.03
22.00	0.03	330.25	0.03
22.50	0.03	330.25	0.03
23.00	0.03	330.24	0.03
23.50	0.03	330.24	0.03
24.00	0.02	330.24	0.02

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

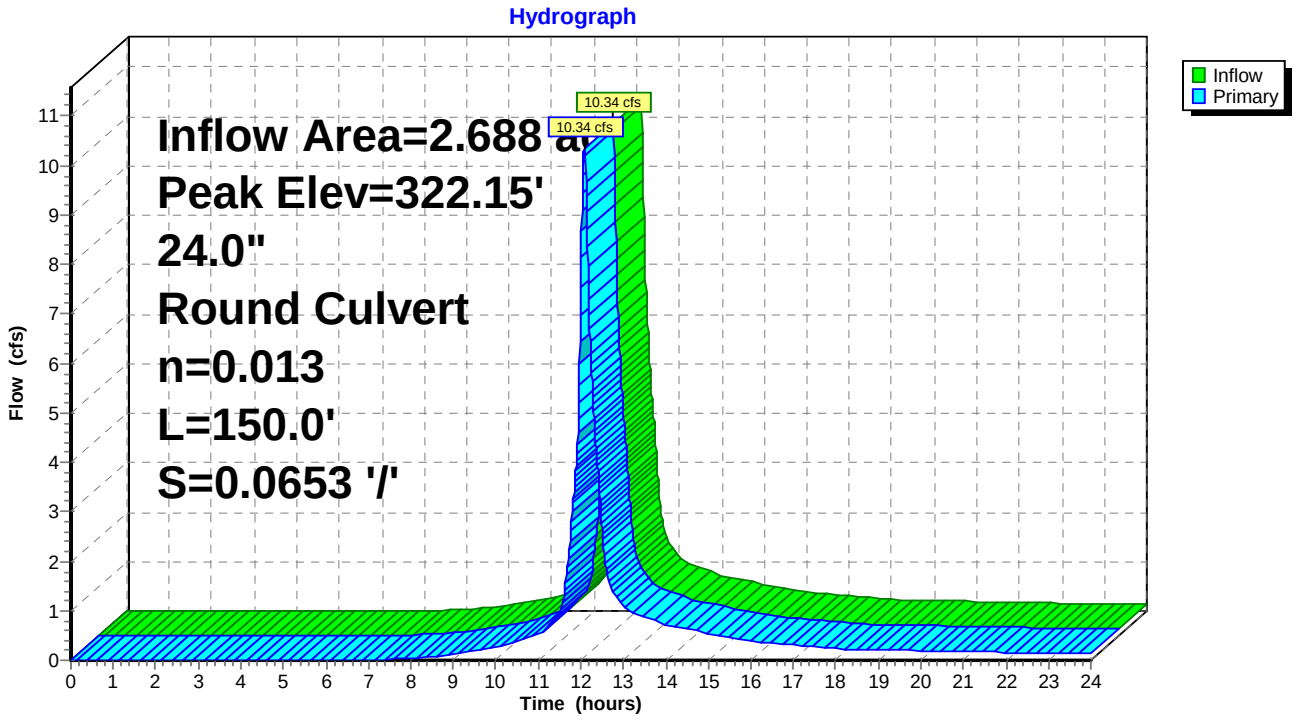
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 3.68" for 25-Year event
Inflow = 10.34 cfs @ 12.08 hrs, Volume= 0.825 af
Outflow = 10.34 cfs @ 12.08 hrs, Volume= 0.825 af, Atten= 0%, Lag= 0.0 min
Primary = 10.34 cfs @ 12.08 hrs, Volume= 0.825 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.15' @ 12.08 hrs
Flood Elev= 338.50'

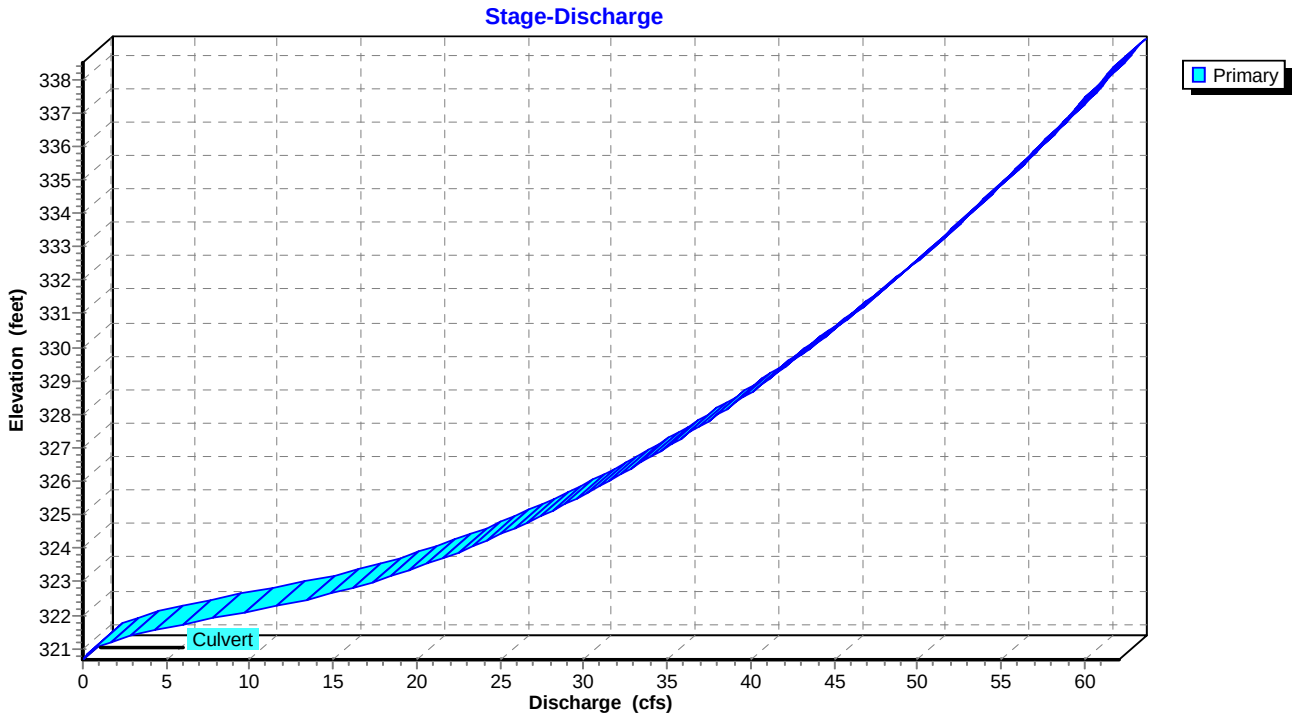
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=10.33 cfs @ 12.08 hrs HW=322.15' TW=312.37' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 10.33 cfs @ 4.14 fps)

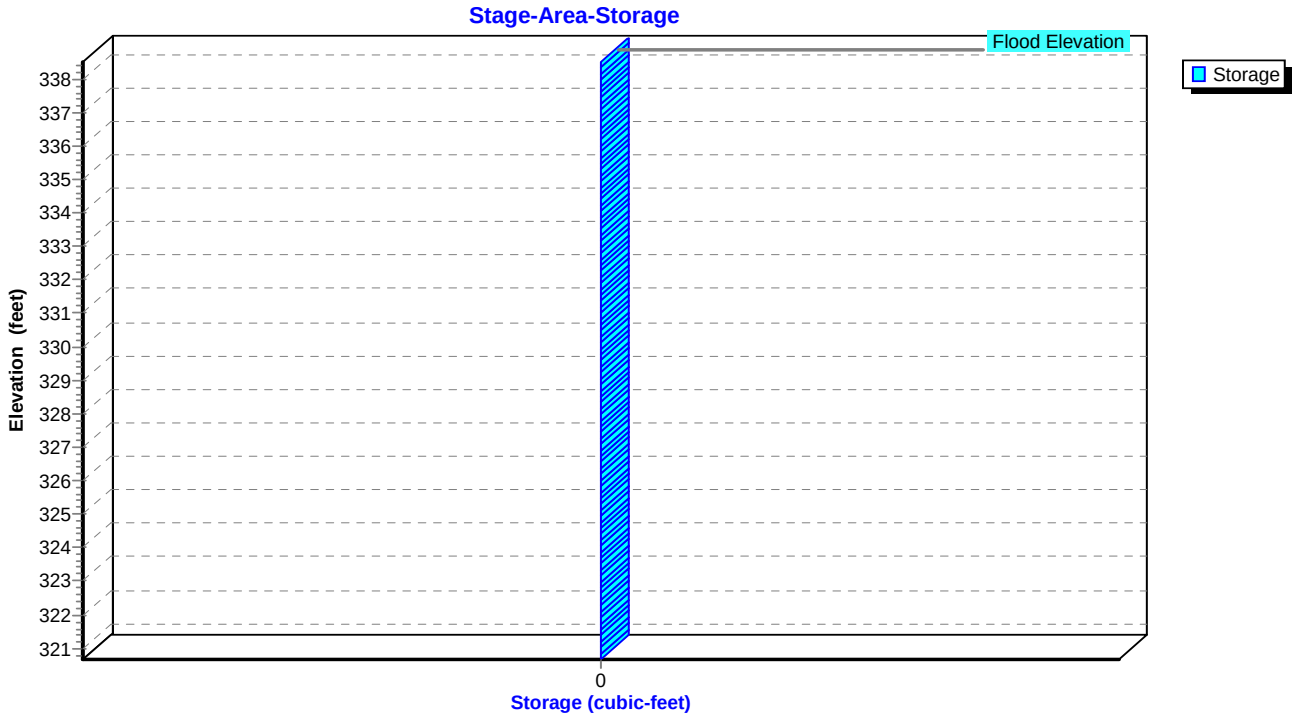
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.67	0.00
6.00	0.00	320.67	0.00
6.50	0.00	320.68	0.00
7.00	0.00	320.69	0.00
7.50	0.02	320.72	0.02
8.00	0.04	320.75	0.04
8.50	0.08	320.78	0.08
9.00	0.12	320.81	0.12
9.50	0.18	320.84	0.18
10.00	0.25	320.87	0.25
10.50	0.37	320.92	0.37
11.00	0.52	320.96	0.52
11.50	0.95	321.07	0.95
12.00	**7.54**	**321.89**	**7.54**
12.50	**2.66**	**321.35**	**2.66**
13.00	1.11	321.10	1.11
13.50	0.87	321.05	0.87
14.00	0.71	321.01	0.71
14.50	0.62	320.99	0.62
15.00	0.54	320.97	0.54
15.50	0.46	320.94	0.46
16.00	0.38	320.92	0.38
16.50	0.34	320.90	0.34
17.00	0.31	320.89	0.31
17.50	0.27	320.88	0.27
18.00	0.24	320.86	0.24
18.50	0.22	320.86	0.22
19.00	0.21	320.85	0.21
19.50	0.20	320.85	0.20
20.00	0.19	320.84	0.19
20.50	0.18	320.84	0.18
21.00	0.17	320.84	0.17
21.50	0.17	320.83	0.17
22.00	0.16	320.83	0.16
22.50	0.15	320.82	0.15
23.00	0.14	320.82	0.14
23.50	0.13	320.82	0.13
24.00	0.12	320.81	0.12

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

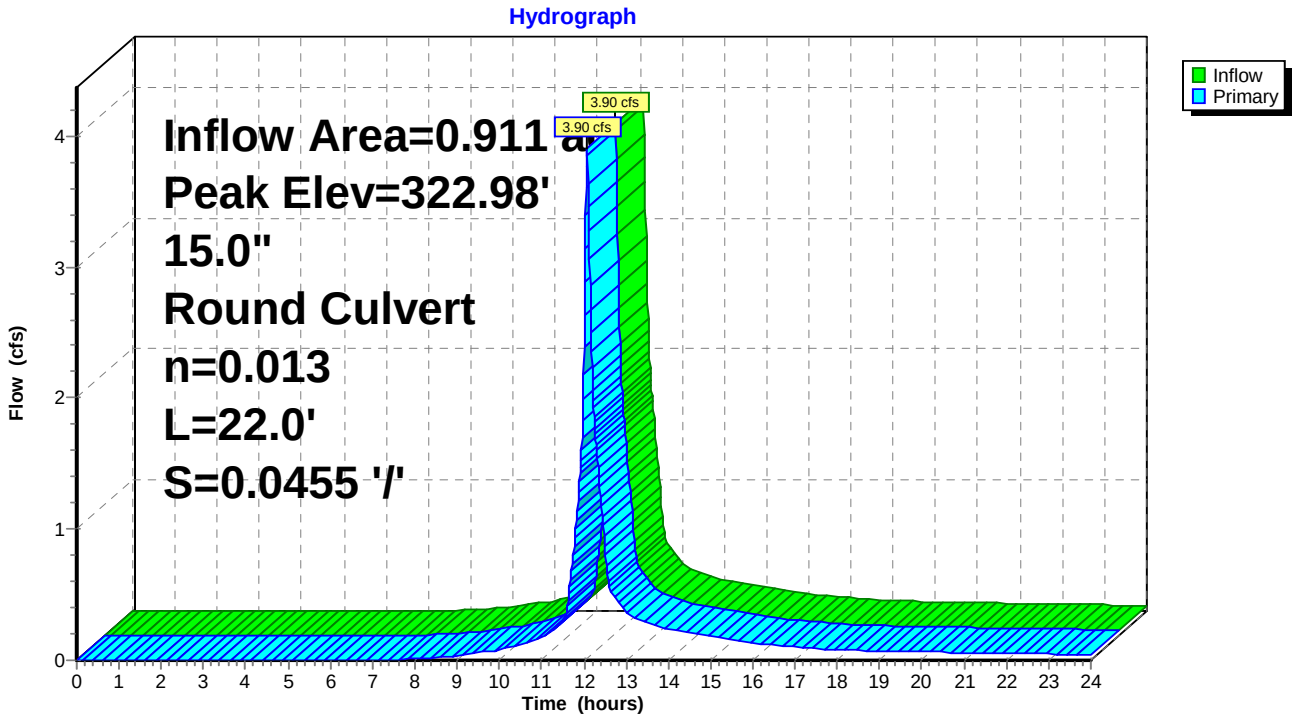
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 3.58" for 25-Year event
Inflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af
Outflow = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af, Atten= 0%, Lag= 0.0 min
Primary = 3.90 cfs @ 12.08 hrs, Volume= 0.271 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.98' @ 12.08 hrs
Flood Elev= 324.50'

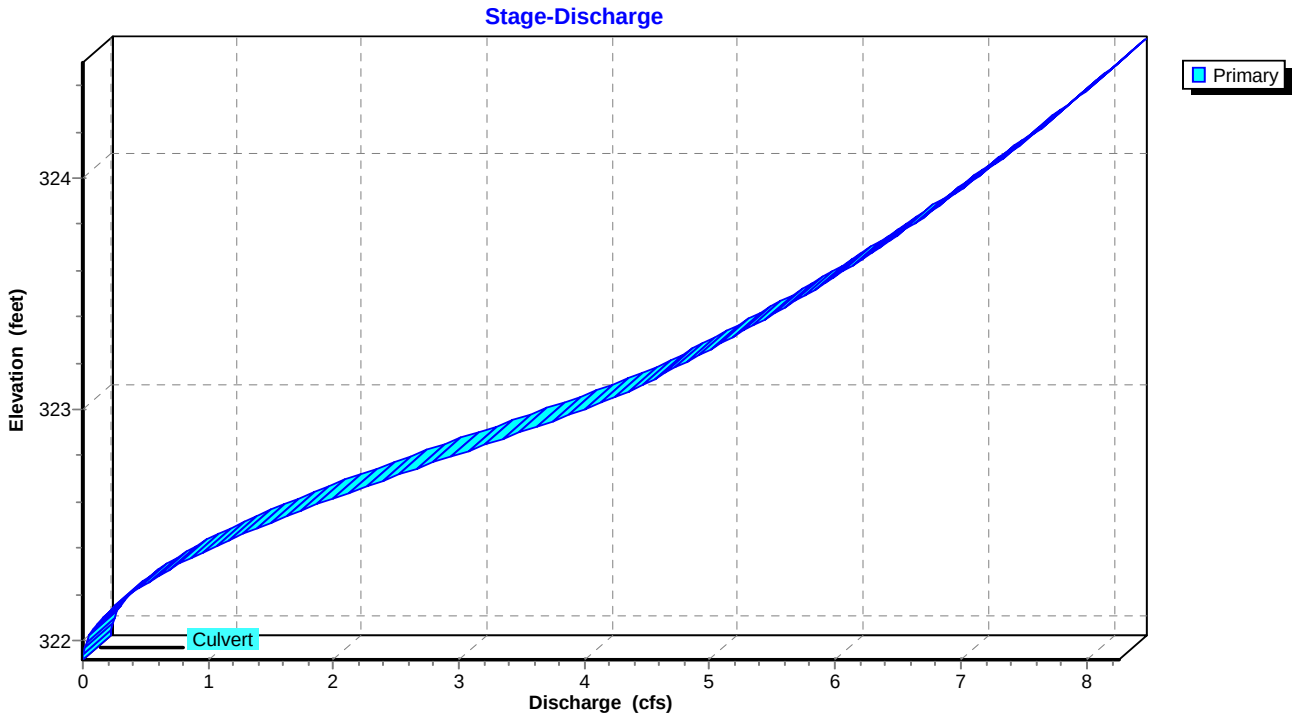
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.90 cfs @ 12.08 hrs HW=322.98' TW=322.15' (Dynamic Tailwater)
1=Culvert (Inlet Controls 3.90 cfs @ 3.51 fps)

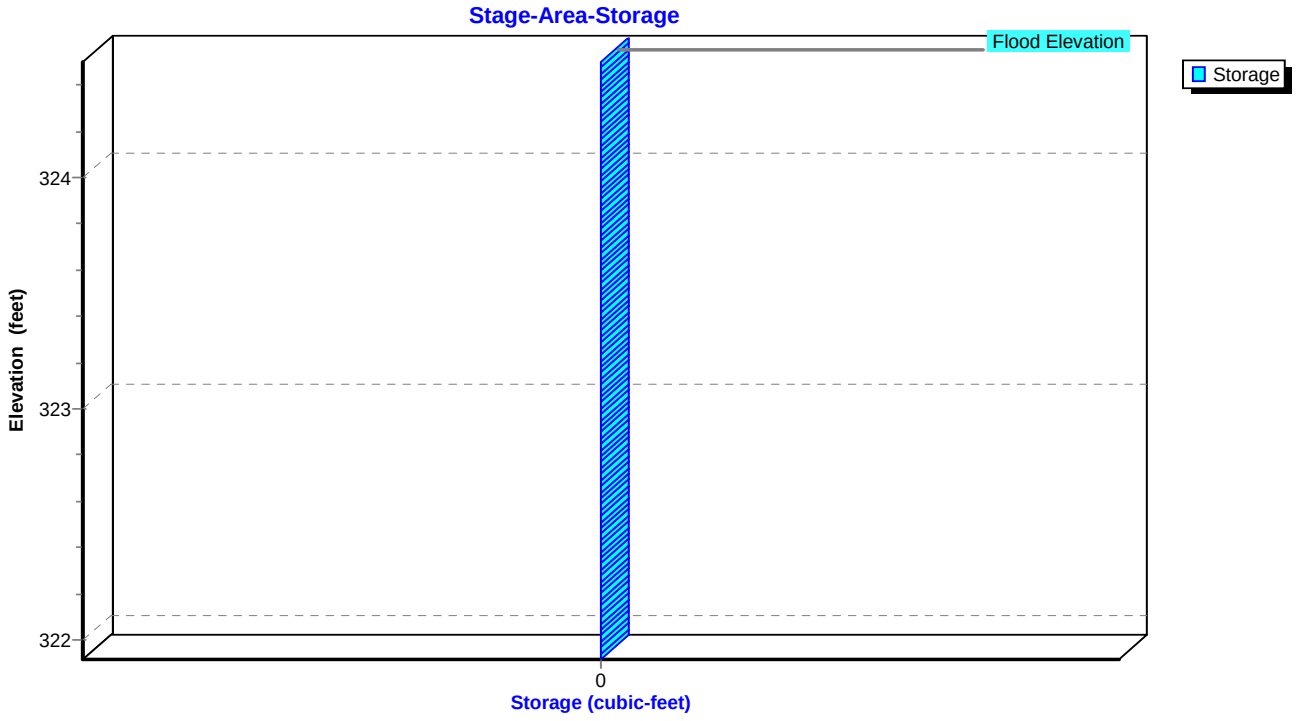
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.00	321.92	0.00
7.50	0.00	321.94	0.00
8.00	0.01	321.96	0.01
8.50	0.02	321.98	0.02
9.00	0.04	322.01	0.04
9.50	0.06	322.03	0.06
10.00	0.08	322.05	0.08
10.50	0.12	322.07	0.12
11.00	0.17	322.11	0.17
11.50	0.31	322.17	0.31
12.00	**2.39**	**322.69**	**2.39**
12.50	**0.85**	**322.36**	**0.85**
13.00	0.37	322.20	0.37
13.50	0.29	322.17	0.29
14.00	0.24	322.14	0.24
14.50	0.21	322.13	0.21
15.00	0.18	322.11	0.18
15.50	0.15	322.10	0.15
16.00	0.13	322.08	0.13
16.50	0.11	322.07	0.11
17.00	0.10	322.06	0.10
17.50	0.09	322.06	0.09
18.00	0.08	322.05	0.08
18.50	0.07	322.04	0.07
19.00	0.07	322.04	0.07
19.50	0.07	322.04	0.07
20.00	0.06	322.03	0.06
20.50	0.06	322.03	0.06
21.00	0.06	322.03	0.06
21.50	0.06	322.03	0.06
22.00	0.05	322.02	0.05
22.50	0.05	322.02	0.05
23.00	0.05	322.02	0.05
23.50	0.04	322.01	0.04
24.00	0.04	322.01	0.04

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=347.42' Inflow=7.38 cfs 0.878 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=7.38 cfs 0.878 af

Pond CB10: Catchbasin Peak Elev=312.78' Inflow=15.93 cfs 1.285 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=15.93 cfs 1.285 af

Pond CB10-1: CB1-1 Peak Elev=313.17' Inflow=4.23 cfs 0.258 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.23 cfs 0.258 af

Pond CB11: Catchbasin Peak Elev=301.88' Inflow=15.93 cfs 1.285 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=15.93 cfs 1.285 af

Pond CB11-1: CB1-1 Peak Elev=301.10' Inflow=18.28 cfs 1.531 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=18.28 cfs 1.531 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=300.02' Inflow=24.51 cfs 2.039 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=24.51 cfs 2.039 af

Pond CB13: Catchbasin Peak Elev=295.35' Inflow=27.60 cfs 2.353 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=27.60 cfs 2.353 af

Pond CB13-1: CB1-1 Peak Elev=296.85' Inflow=27.60 cfs 2.353 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=27.60 cfs 2.353 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=344.80' Inflow=15.75 cfs 1.790 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=15.75 cfs 1.790 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.35' Inflow=19.30 cfs 2.183 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=19.30 cfs 2.183 af

Pond CB4: Catchbasin Peak Elev=335.56' Inflow=25.80 cfs 2.973 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=25.80 cfs 2.973 af

Pond CB4-1: CB1-1 Peak Elev=338.46' Inflow=25.80 cfs 2.973 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=25.80 cfs 2.973 af

Pond CB5: Catchbasin Peak Elev=332.40' Inflow=32.05 cfs 3.611 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=32.05 cfs 3.611 af

Pond CB5-1: CB1-1 Peak Elev=334.60' Inflow=1.94 cfs 0.116 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=1.94 cfs 0.116 af

Pond CB6: Catchbasin Peak Elev=334.69' Inflow=5.78 cfs 0.522 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=5.78 cfs 0.522 af

Pond CB6-1: CB1-1 Peak Elev=337.50' Inflow=5.78 cfs 0.522 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=5.78 cfs 0.522 af

Pond CB7: Catchbasin Peak Elev=334.20' Inflow=6.17 cfs 0.479 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=6.17 cfs 0.479 af

Pond CB7-1: CB1-1 Peak Elev=336.14' Inflow=6.17 cfs 0.479 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.17 cfs 0.479 af

Pond CB8: Catchbasin Peak Elev=331.05' Inflow=7.98 cfs 0.688 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=7.98 cfs 0.688 af

Pond CB8-1: CB1-1 Peak Elev=331.30' Inflow=3.46 cfs 0.209 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.46 cfs 0.209 af

Pond CB9: Catchbasin Peak Elev=322.39' Inflow=12.83 cfs 1.027 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=12.83 cfs 1.027 af

Pond CB9-1: CB1-1 Peak Elev=323.22' Inflow=4.86 cfs 0.339 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.86 cfs 0.339 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

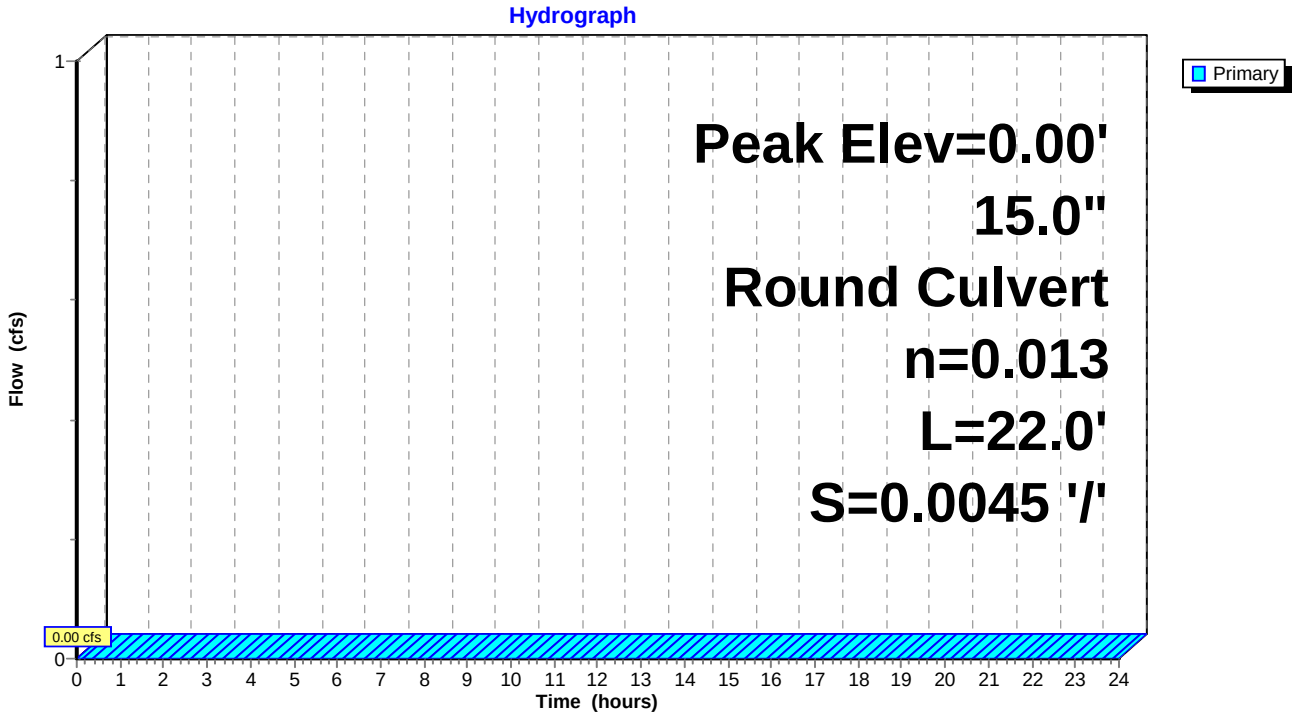
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

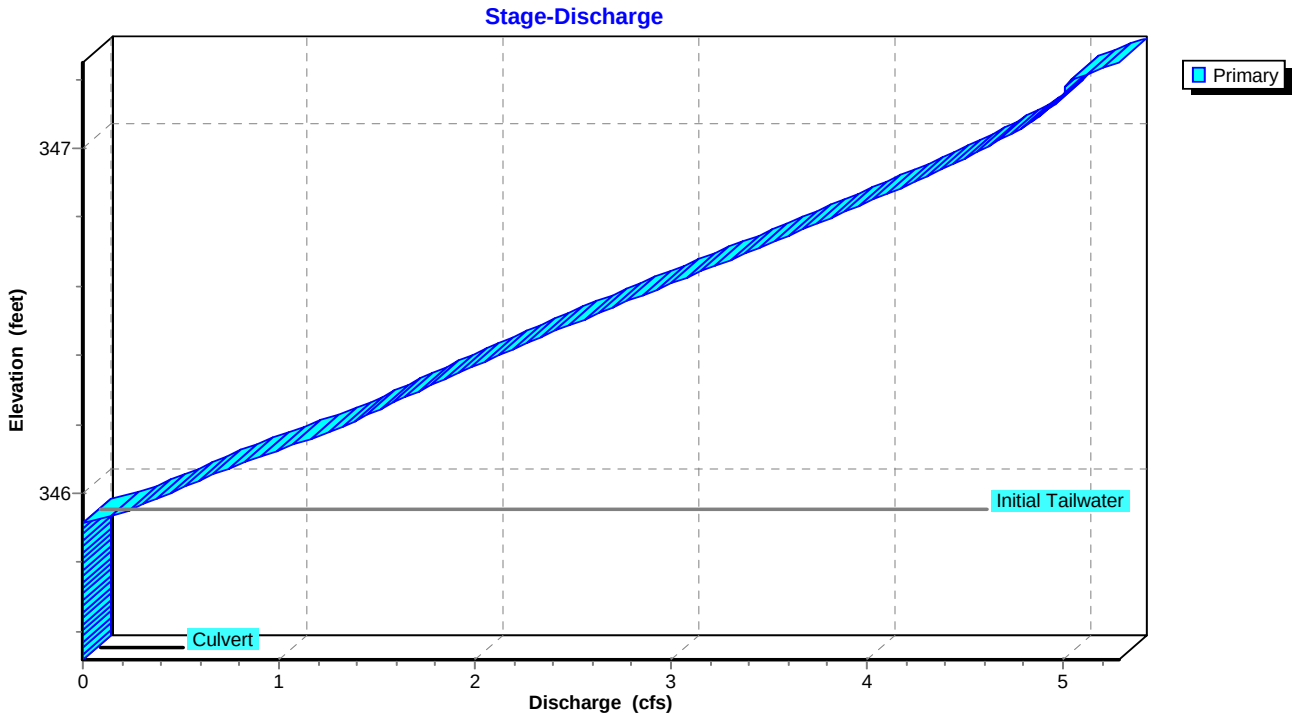
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

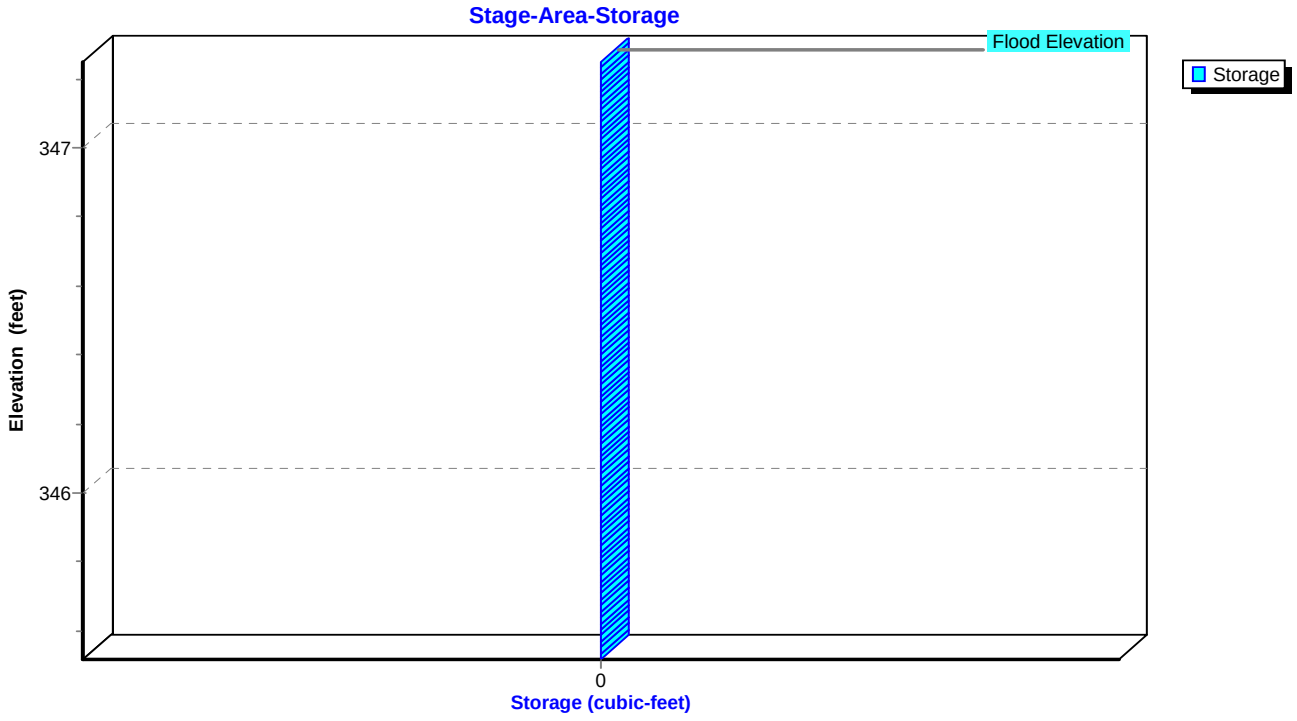
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

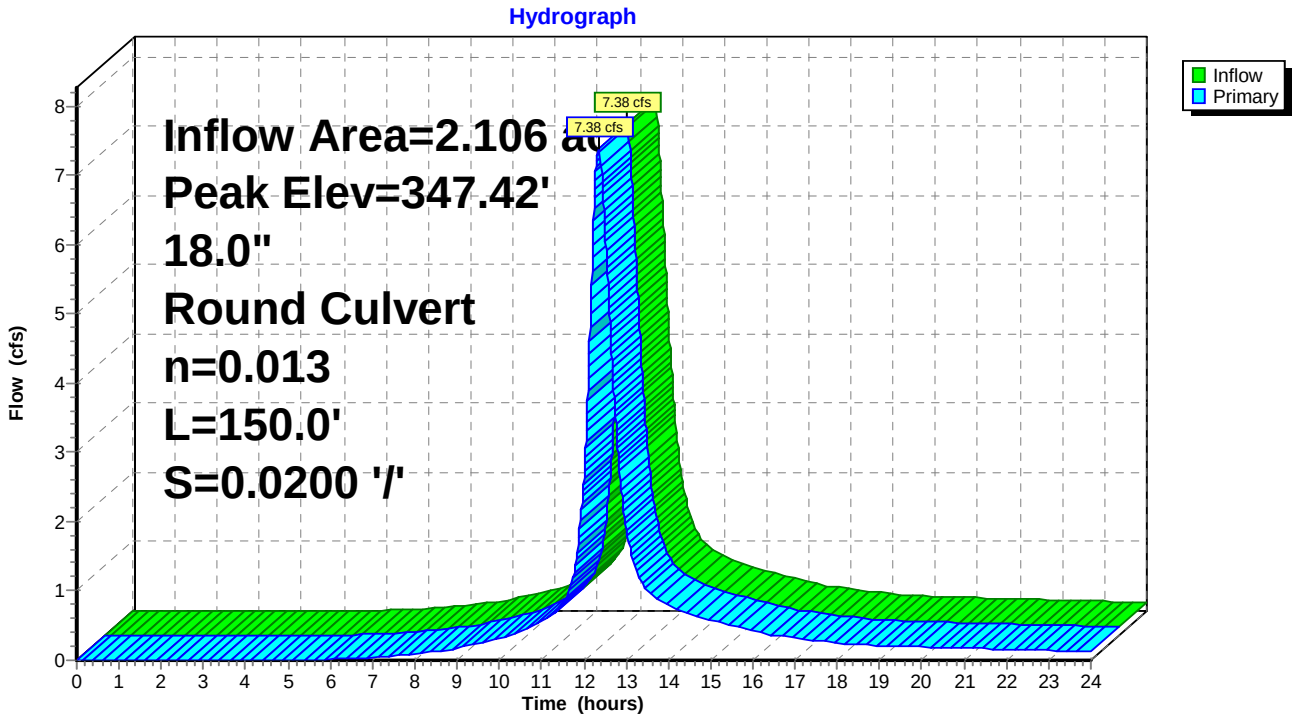
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.00" for 50-Year event
Inflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af
Outflow = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af, Atten= 0%, Lag= 0.0 min
Primary = 7.38 cfs @ 12.34 hrs, Volume= 0.878 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 347.42' @ 12.34 hrs
Flood Elev= 348.80'

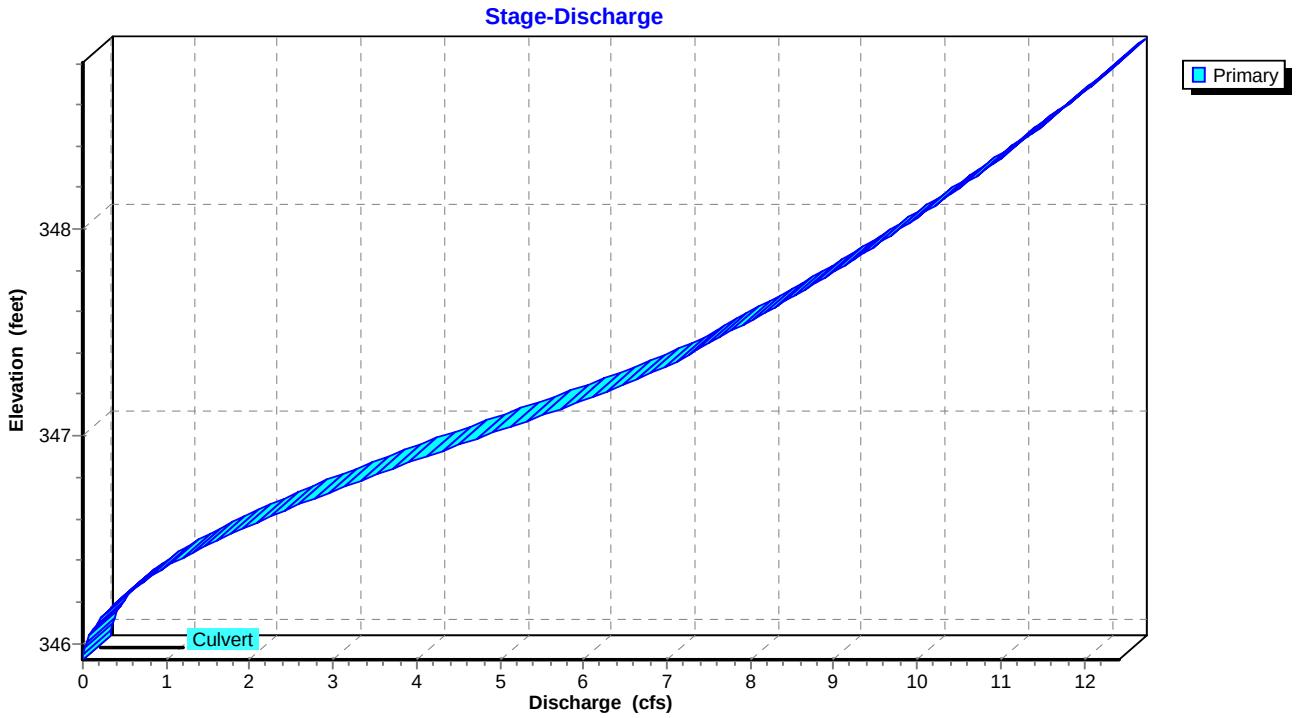
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=7.38 cfs @ 12.34 hrs HW=347.42' TW=344.75' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 7.38 cfs @ 4.18 fps)

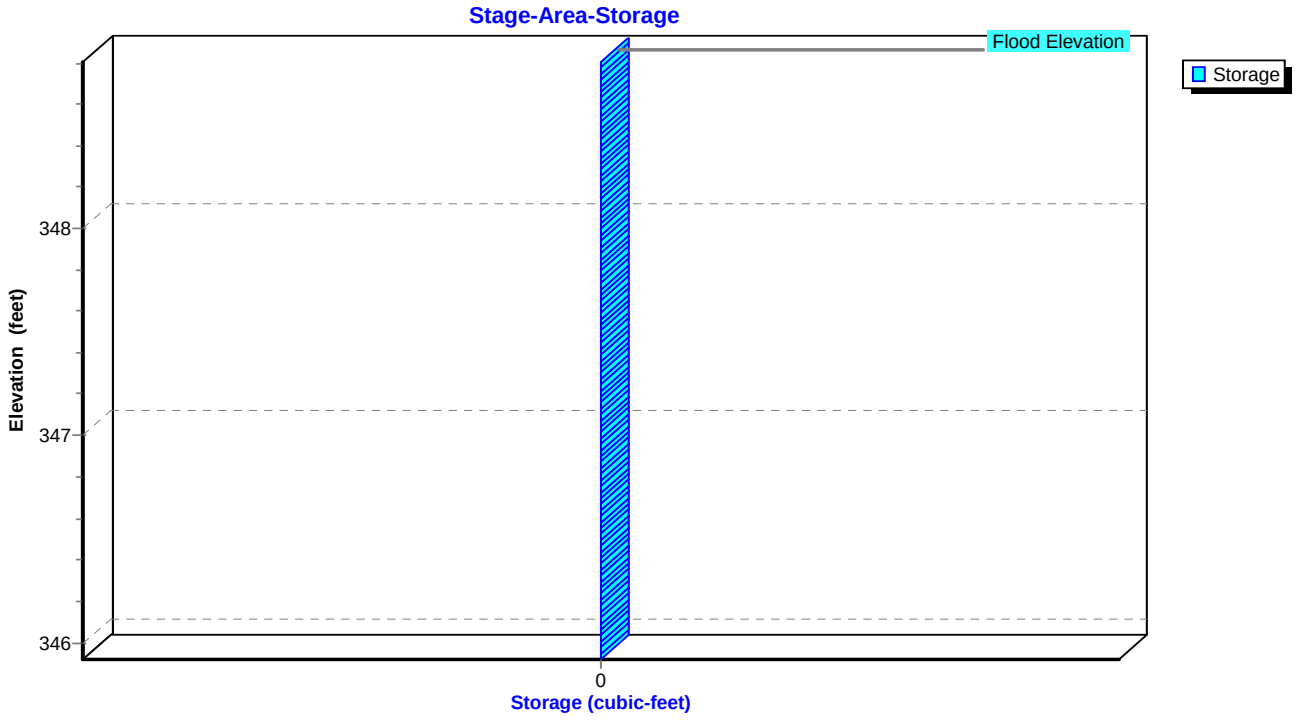
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.00	345.94	0.00
6.00	0.01	345.96	0.01
6.50	0.02	345.99	0.02
7.00	0.04	346.01	0.04
7.50	0.06	346.03	0.06
8.00	0.09	346.05	0.09
8.50	0.12	346.07	0.12
9.00	0.18	346.10	0.18
9.50	0.24	346.13	0.24
10.00	0.31	346.16	0.31
10.50	0.41	346.20	0.41
11.00	0.56	346.25	0.56
11.50	0.82	346.32	0.82
12.00	**2.63**	**346.67**	**2.63**
12.50	**6.27**	**347.21**	**6.27**
13.00	1.92	346.55	1.92
13.50	1.02	346.37	1.02
14.00	0.80	346.32	0.80
14.50	0.66	346.28	0.66
15.00	0.58	346.25	0.58
15.50	0.50	346.23	0.50
16.00	0.42	346.20	0.42
16.50	0.36	346.18	0.36
17.00	0.32	346.17	0.32
17.50	0.28	346.15	0.28
18.00	0.25	346.14	0.25
18.50	0.22	346.12	0.22
19.00	0.21	346.12	0.21
19.50	0.20	346.11	0.20
20.00	0.19	346.11	0.19
20.50	0.18	346.10	0.18
21.00	0.17	346.10	0.17
21.50	0.16	346.10	0.16
22.00	0.16	346.09	0.16
22.50	0.15	346.09	0.15
23.00	0.14	346.08	0.14
23.50	0.13	346.08	0.13
24.00	0.13	346.07	0.13

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

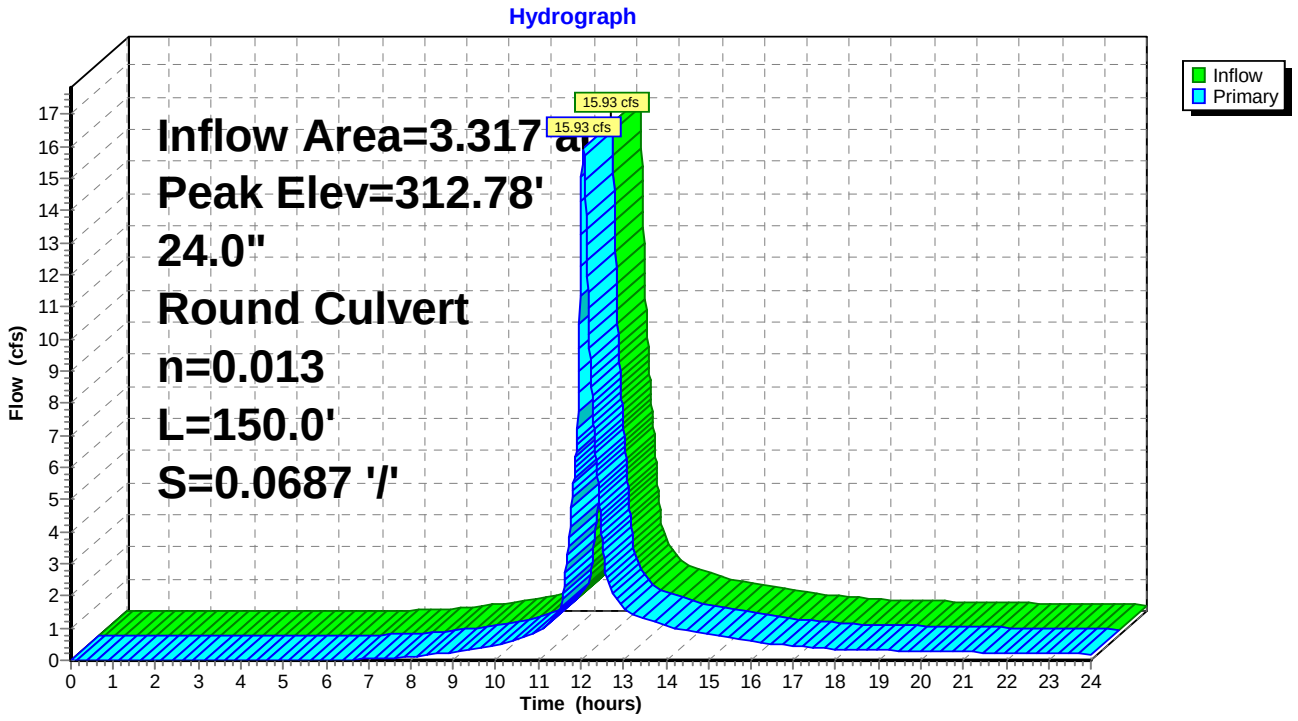
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 4.65" for 50-Year event
Inflow = 15.93 cfs @ 12.06 hrs, Volume= 1.285 af
Outflow = 15.93 cfs @ 12.06 hrs, Volume= 1.285 af, Atten= 0%, Lag= 0.0 min
Primary = 15.93 cfs @ 12.06 hrs, Volume= 1.285 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 312.78' @ 12.06 hrs
Flood Elev= 313.50'

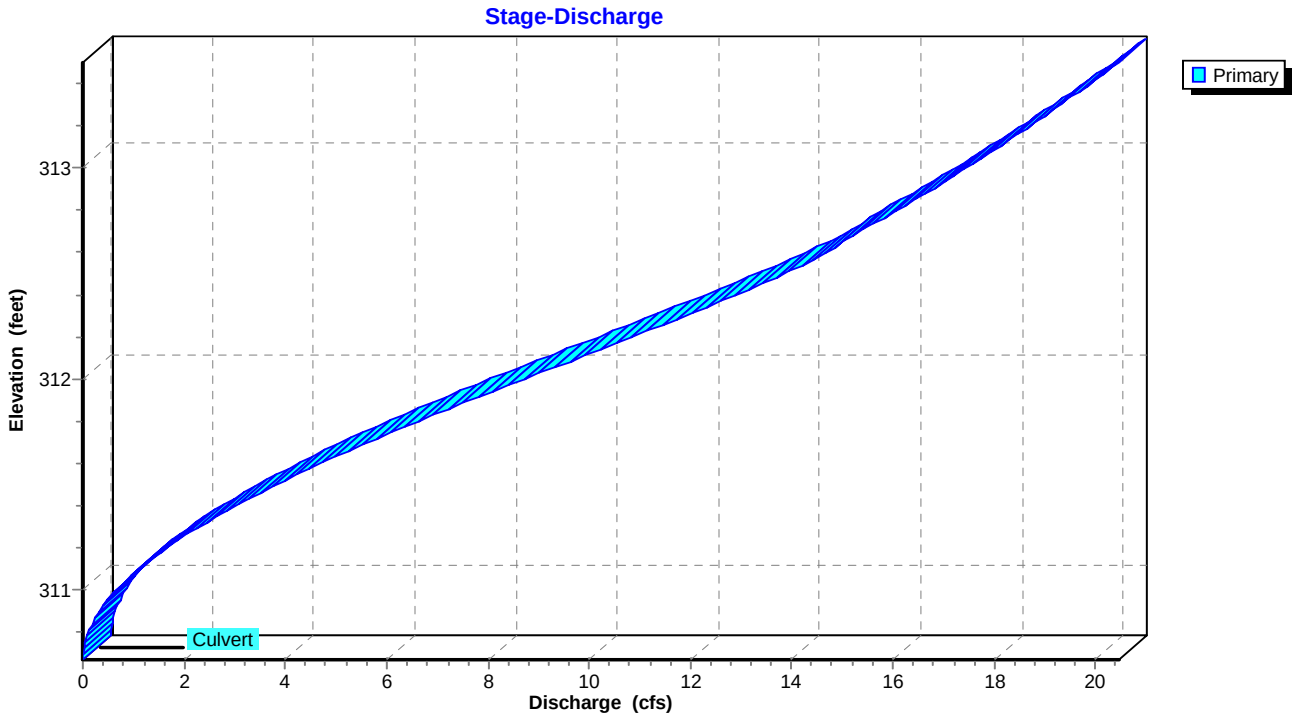
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.92 cfs @ 12.06 hrs HW=312.78' TW=301.87' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.92 cfs @ 5.07 fps)

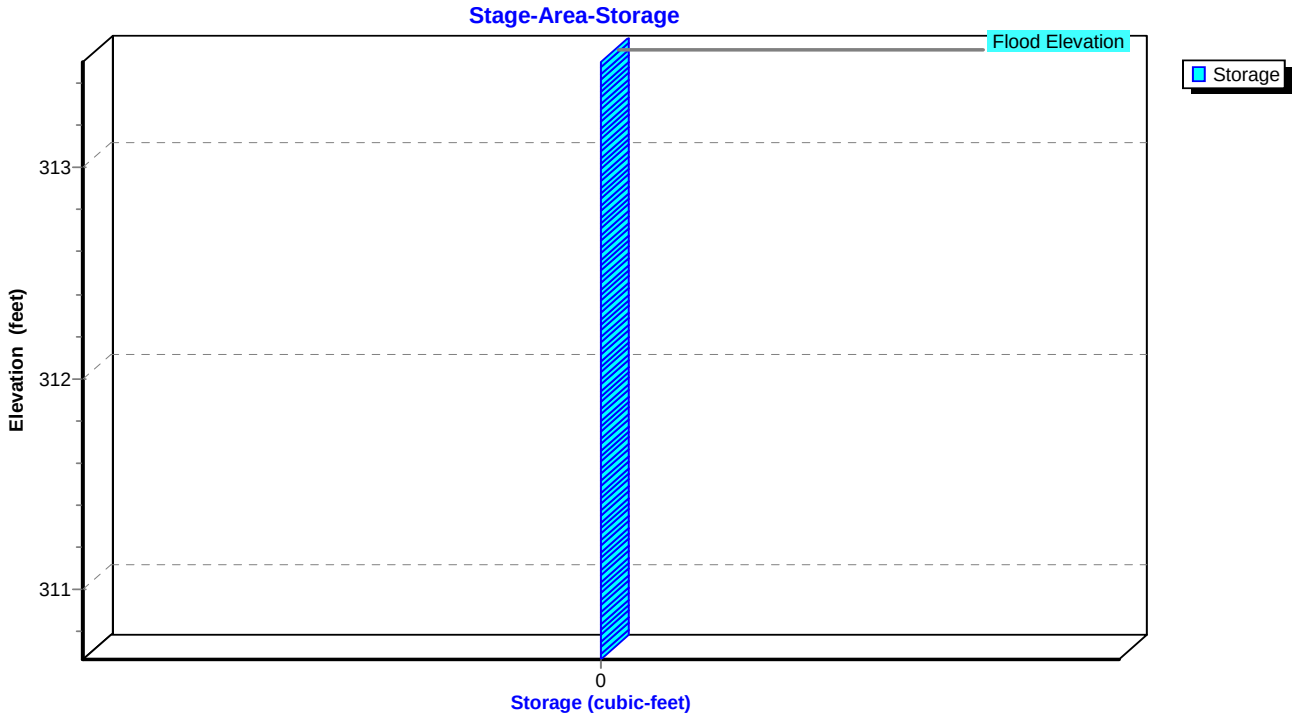
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.68	0.00
6.00	0.01	310.70	0.01
6.50	0.02	310.72	0.02
7.00	0.04	310.75	0.04
7.50	0.07	310.78	0.07
8.00	0.11	310.80	0.11
8.50	0.17	310.84	0.17
9.00	0.25	310.87	0.25
9.50	0.35	310.91	0.35
10.00	0.47	310.95	0.47
10.50	0.66	311.00	0.66
11.00	0.89	311.05	0.89
11.50	1.59	311.19	1.59
12.00	**13.27**	**312.43**	**13.27**
12.50	**3.77**	**311.49**	**3.77**
13.00	1.64	311.20	1.64
13.50	1.30	311.14	1.30
14.00	1.06	311.09	1.06
14.50	0.92	311.06	0.92
15.00	0.81	311.03	0.81
15.50	0.69	311.01	0.69
16.00	0.57	310.97	0.57
16.50	0.51	310.96	0.51
17.00	0.45	310.94	0.45
17.50	0.40	310.93	0.40
18.00	0.35	310.91	0.35
18.50	0.33	310.90	0.33
19.00	0.31	310.89	0.31
19.50	0.30	310.89	0.30
20.00	0.28	310.88	0.28
20.50	0.27	310.88	0.27
21.00	0.26	310.87	0.26
21.50	0.24	310.87	0.24
22.00	0.23	310.86	0.23
22.50	0.22	310.86	0.22
23.00	0.21	310.85	0.21
23.50	0.20	310.85	0.20
24.00	0.18	310.84	0.18

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

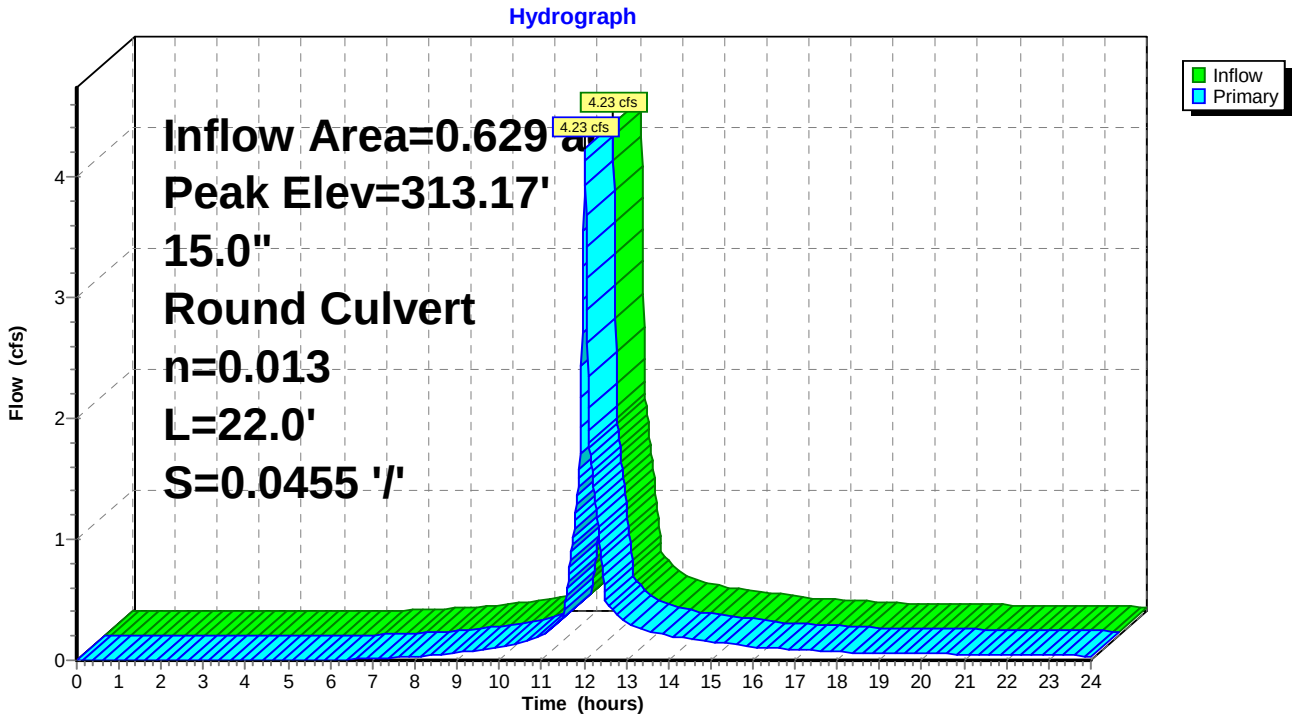
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 4.92" for 50-Year event
Inflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af
Outflow = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af, Atten= 0%, Lag= 0.0 min
Primary = 4.23 cfs @ 12.02 hrs, Volume= 0.258 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.17' @ 12.04 hrs
Flood Elev= 314.50'

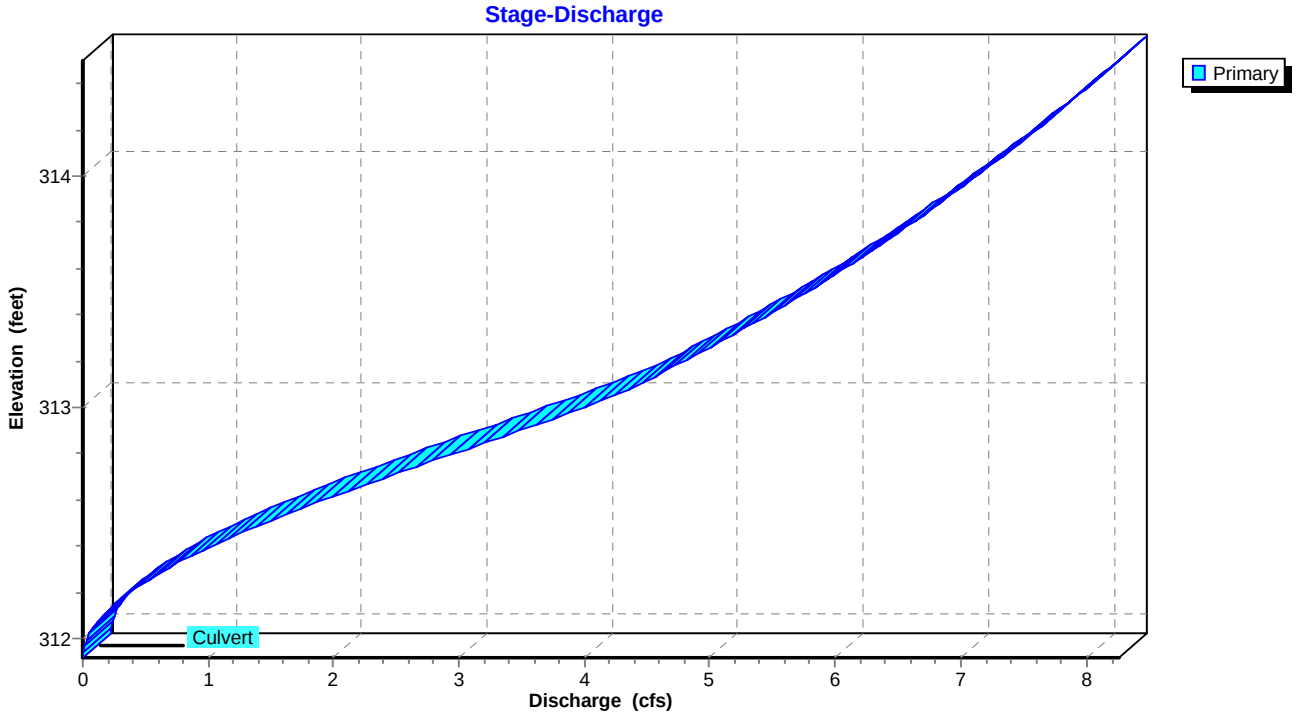
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.83 cfs @ 12.02 hrs HW=313.13' TW=312.65' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 3.83 cfs @ 4.01 fps)

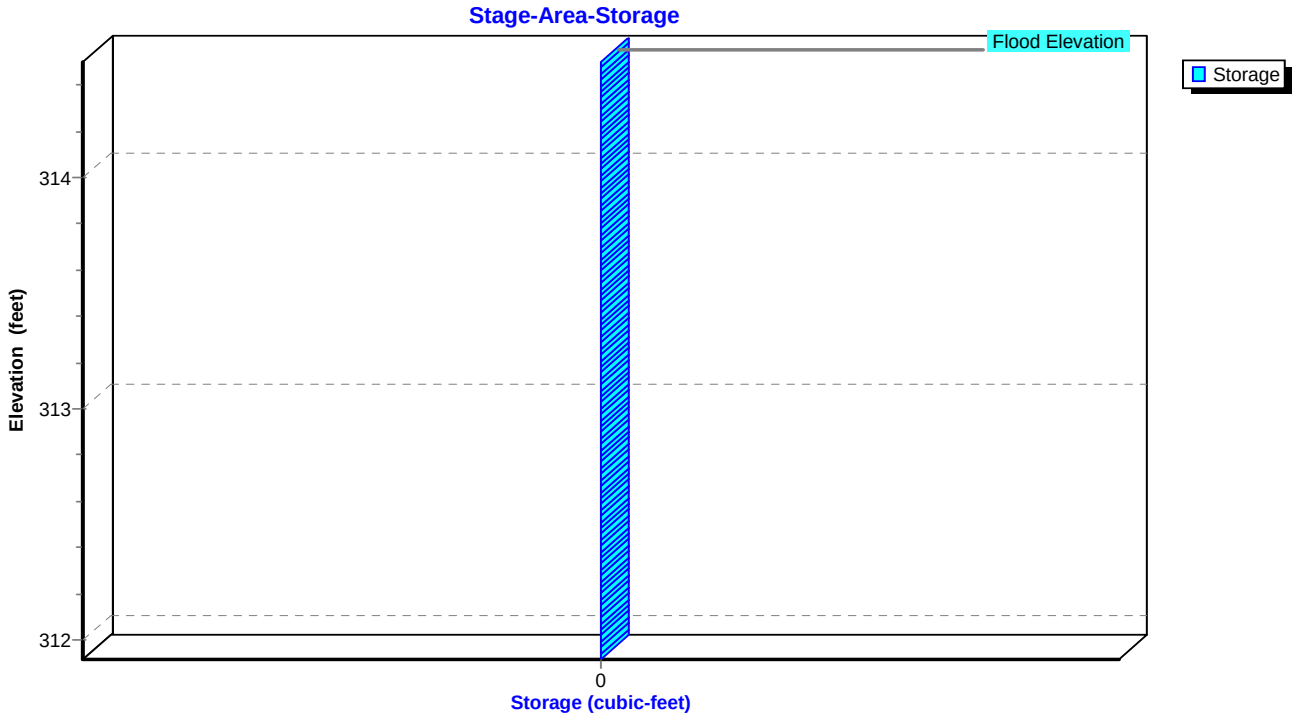
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.93	0.00
6.00	0.00	311.95	0.00
6.50	0.01	311.96	0.01
7.00	0.01	311.97	0.01
7.50	0.02	311.99	0.02
8.00	0.03	312.00	0.03
8.50	0.04	312.01	0.04
9.00	0.06	312.03	0.06
9.50	0.08	312.05	0.08
10.00	0.11	312.07	0.11
10.50	0.15	312.09	0.15
11.00	0.20	312.12	0.20
11.50	0.35	312.19	0.35
12.00	**3.84**	**312.98**	**3.84**
12.50	**0.54**	**312.26**	**0.54**
13.00	0.30	312.17	0.30
13.50	0.25	312.15	0.25
14.00	0.20	312.12	0.20
14.50	0.18	312.11	0.18
15.00	0.15	312.10	0.15
15.50	0.13	312.08	0.13
16.00	0.11	312.07	0.11
16.50	0.10	312.06	0.10
17.00	0.09	312.05	0.09
17.50	0.08	312.04	0.08
18.00	0.07	312.04	0.07
18.50	0.06	312.03	0.06
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.05	312.02	0.05
20.50	0.05	312.02	0.05
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.04	312.01	0.04
22.50	0.04	312.01	0.04
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.00	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

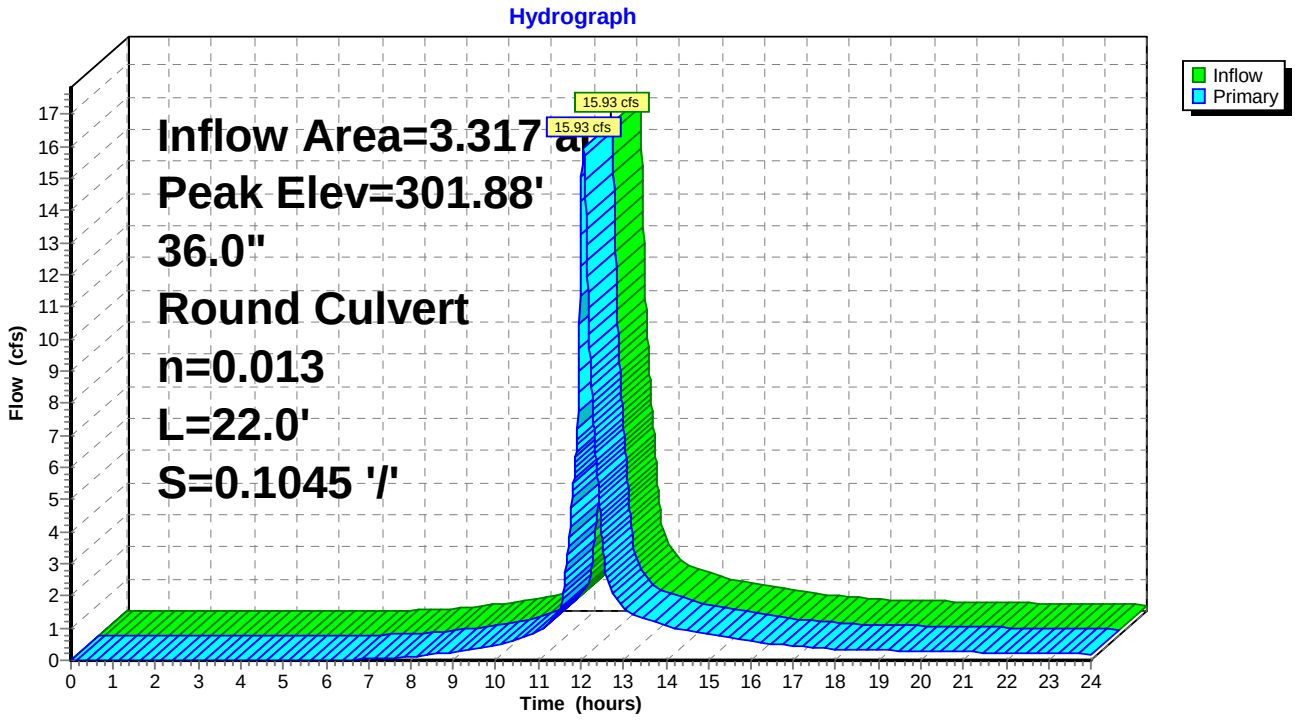
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 4.65" for 50-Year event
Inflow = 15.93 cfs @ 12.06 hrs, Volume= 1.285 af
Outflow = 15.93 cfs @ 12.06 hrs, Volume= 1.285 af, Atten= 0%, Lag= 0.0 min
Primary = 15.93 cfs @ 12.06 hrs, Volume= 1.285 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.88' @ 12.07 hrs
Flood Elev= 302.00'

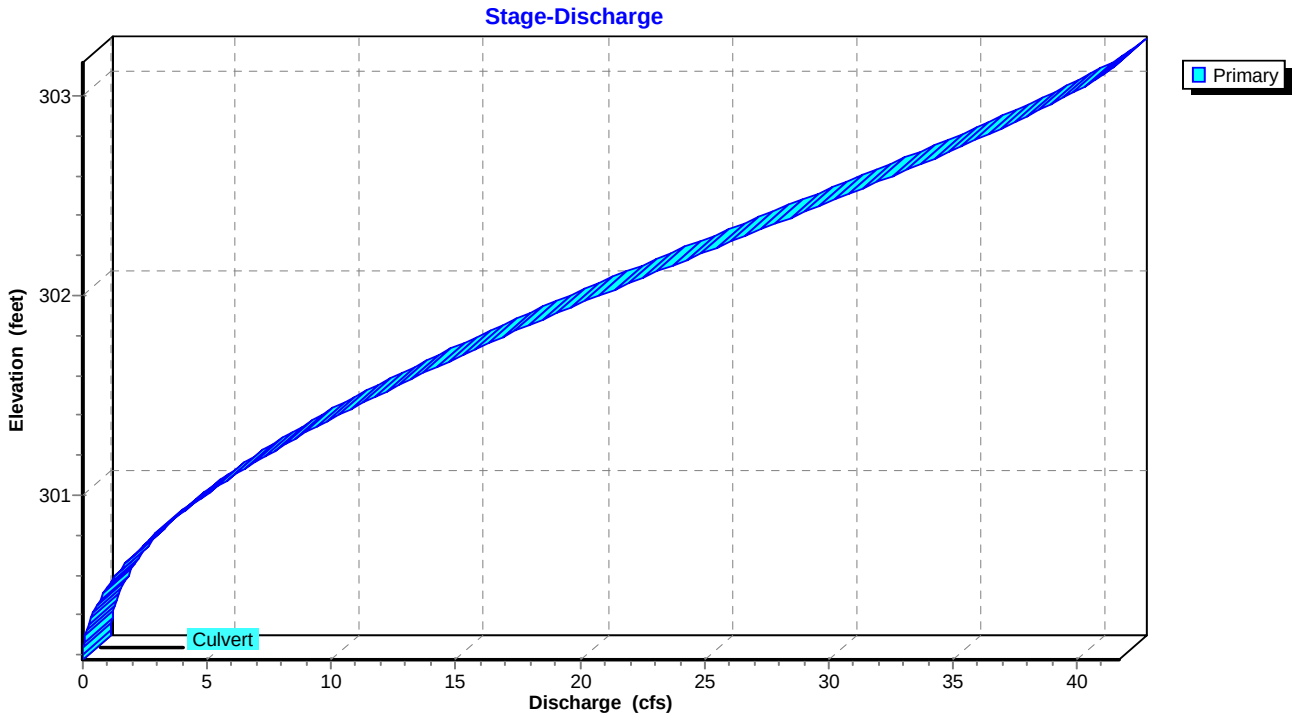
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=15.70 cfs @ 12.06 hrs HW=301.87' TW=301.08' (Dynamic Tailwater)
1=Culvert (Outlet Controls 15.70 cfs @ 5.49 fps)

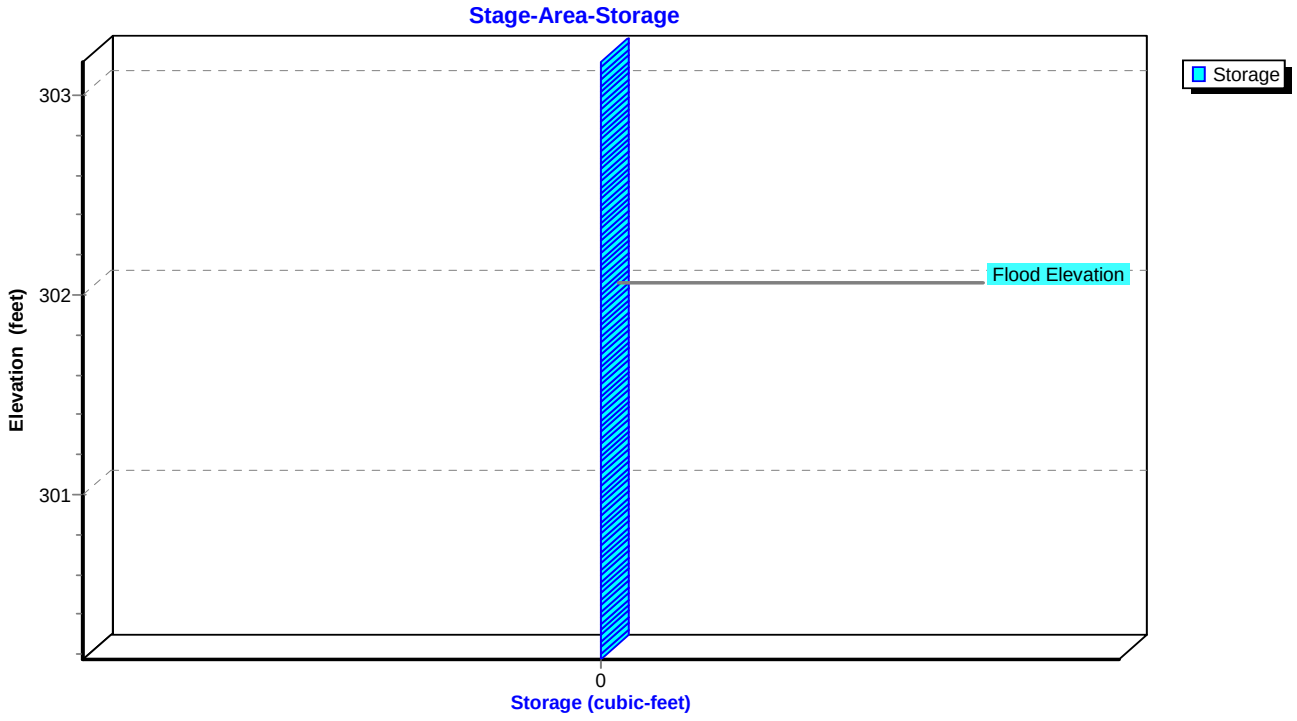
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.18	0.00
6.00	0.01	300.20	0.01
6.50	0.02	300.21	0.02
7.00	0.04	300.24	0.04
7.50	0.07	300.27	0.07
8.00	0.11	300.29	0.11
8.50	0.17	300.32	0.17
9.00	0.25	300.35	0.25
9.50	0.35	300.38	0.35
10.00	0.47	300.42	0.47
10.50	0.66	300.46	0.66
11.00	0.89	300.51	0.89
11.50	1.59	300.63	1.59
12.00	**13.27**	**301.61**	**13.27**
12.50	**3.77**	**300.89**	**3.77**
13.00	1.64	300.64	1.64
13.50	1.30	300.59	1.30
14.00	1.06	300.54	1.06
14.50	0.92	300.52	0.92
15.00	0.81	300.50	0.81
15.50	0.69	300.47	0.69
16.00	0.57	300.44	0.57
16.50	0.51	300.43	0.51
17.00	0.45	300.41	0.45
17.50	0.40	300.40	0.40
18.00	0.35	300.38	0.35
18.50	0.33	300.38	0.33
19.00	0.31	300.37	0.31
19.50	0.30	300.37	0.30
20.00	0.28	300.36	0.28
20.50	0.27	300.36	0.27
21.00	0.26	300.35	0.26
21.50	0.24	300.35	0.24
22.00	0.23	300.34	0.23
22.50	0.22	300.34	0.22
23.00	0.21	300.33	0.21
23.50	0.20	300.33	0.20
24.00	0.18	300.32	0.18

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

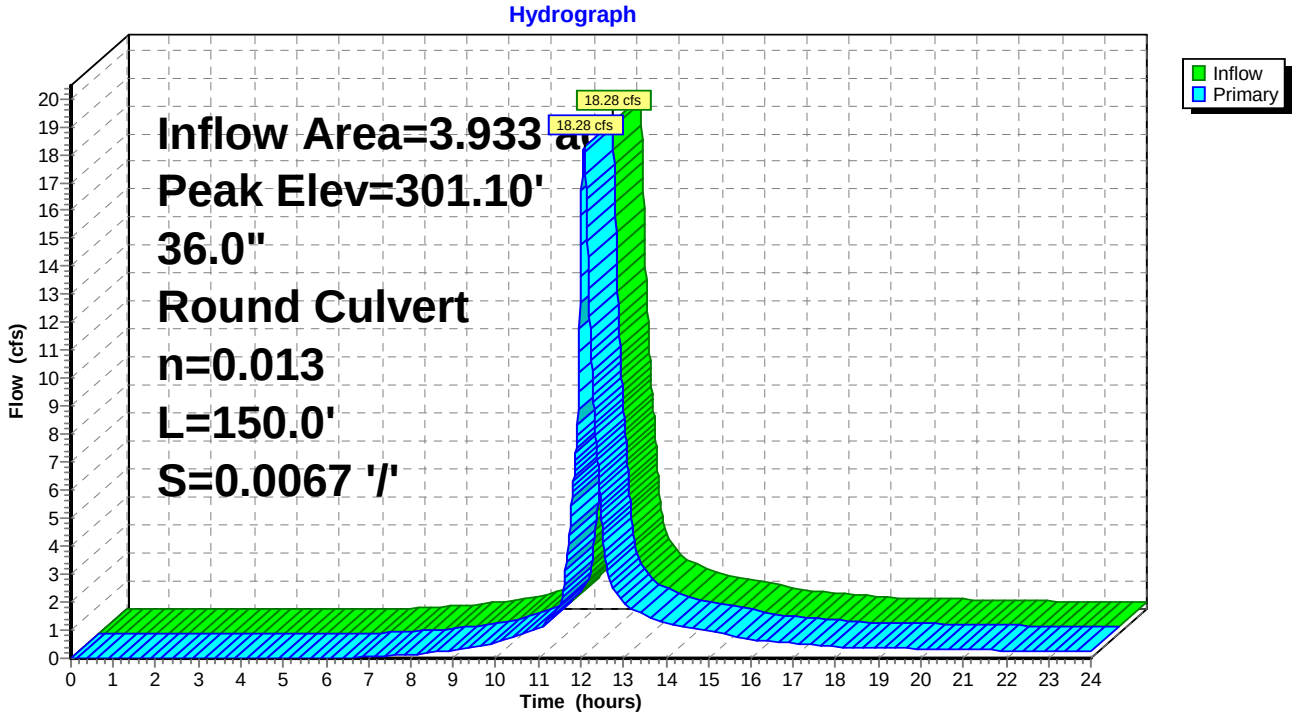
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 4.67" for 50-Year event
Inflow = 18.28 cfs @ 12.07 hrs, Volume= 1.531 af
Outflow = 18.28 cfs @ 12.07 hrs, Volume= 1.531 af, Atten= 0%, Lag= 0.0 min
Primary = 18.28 cfs @ 12.07 hrs, Volume= 1.531 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.10' @ 12.08 hrs
Flood Elev= 304.80'

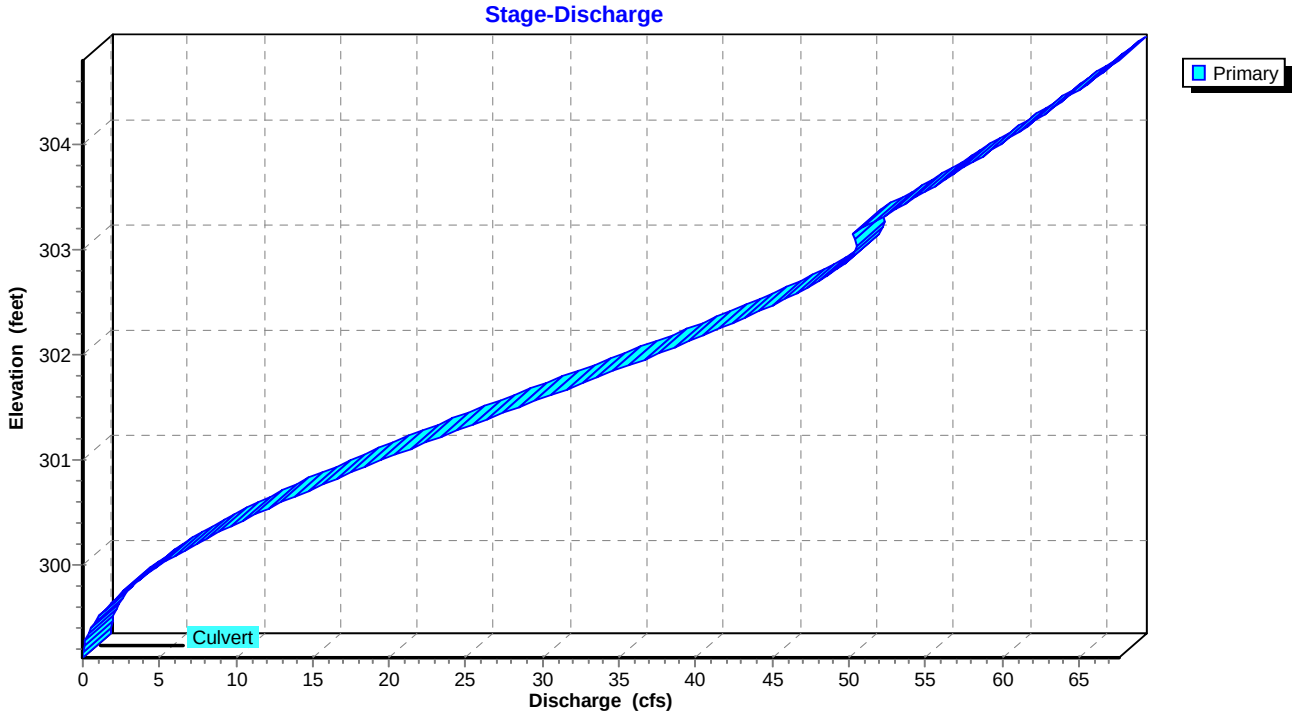
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=18.10 cfs @ 12.07 hrs HW=301.10' TW=300.01' (Dynamic Tailwater)
1=Culvert (Outlet Controls 18.10 cfs @ 5.19 fps)

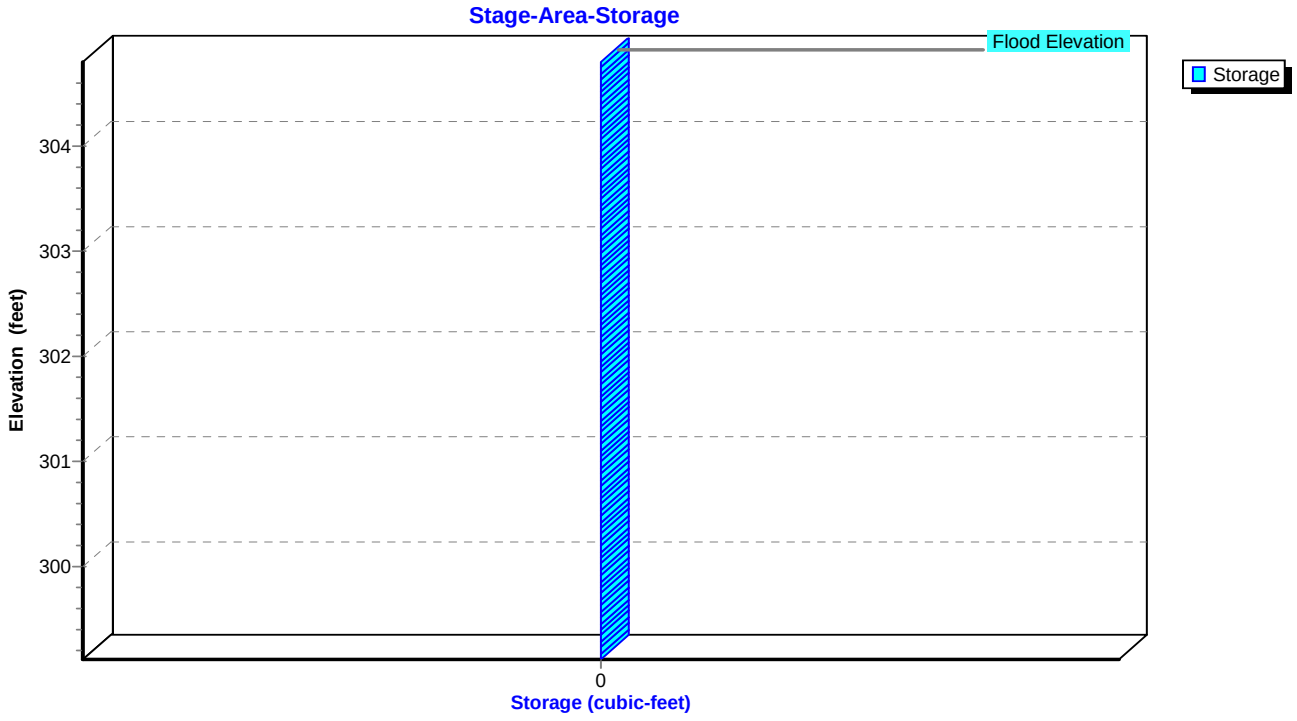
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.13	0.00
6.00	0.01	299.16	0.01
6.50	0.02	299.18	0.02
7.00	0.05	299.21	0.05
7.50	0.09	299.24	0.09
8.00	0.13	299.27	0.13
8.50	0.21	299.30	0.21
9.00	0.30	299.34	0.30
9.50	0.42	299.37	0.42
10.00	0.56	299.41	0.56
10.50	0.78	299.46	0.78
11.00	1.06	299.52	1.06
11.50	1.87	299.65	1.87
12.00	**14.76**	**300.80**	**14.76**
12.50	**4.75**	**300.01**	**4.75**
13.00	1.98	299.67	1.98
13.50	1.55	299.60	1.55
14.00	1.27	299.56	1.27
14.50	1.10	299.53	1.10
15.00	0.96	299.50	0.96
15.50	0.82	299.47	0.82
16.00	0.68	299.44	0.68
16.50	0.60	299.42	0.60
17.00	0.54	299.41	0.54
17.50	0.48	299.39	0.48
18.00	0.42	299.37	0.42
18.50	0.39	299.36	0.39
19.00	0.37	299.36	0.37
19.50	0.35	299.35	0.35
20.00	0.33	299.35	0.33
20.50	0.32	299.34	0.32
21.00	0.30	299.34	0.30
21.50	0.29	299.33	0.29
22.00	0.28	299.33	0.28
22.50	0.26	299.32	0.26
23.00	0.25	299.32	0.25
23.50	0.23	299.31	0.23
24.00	0.22	299.31	0.22

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

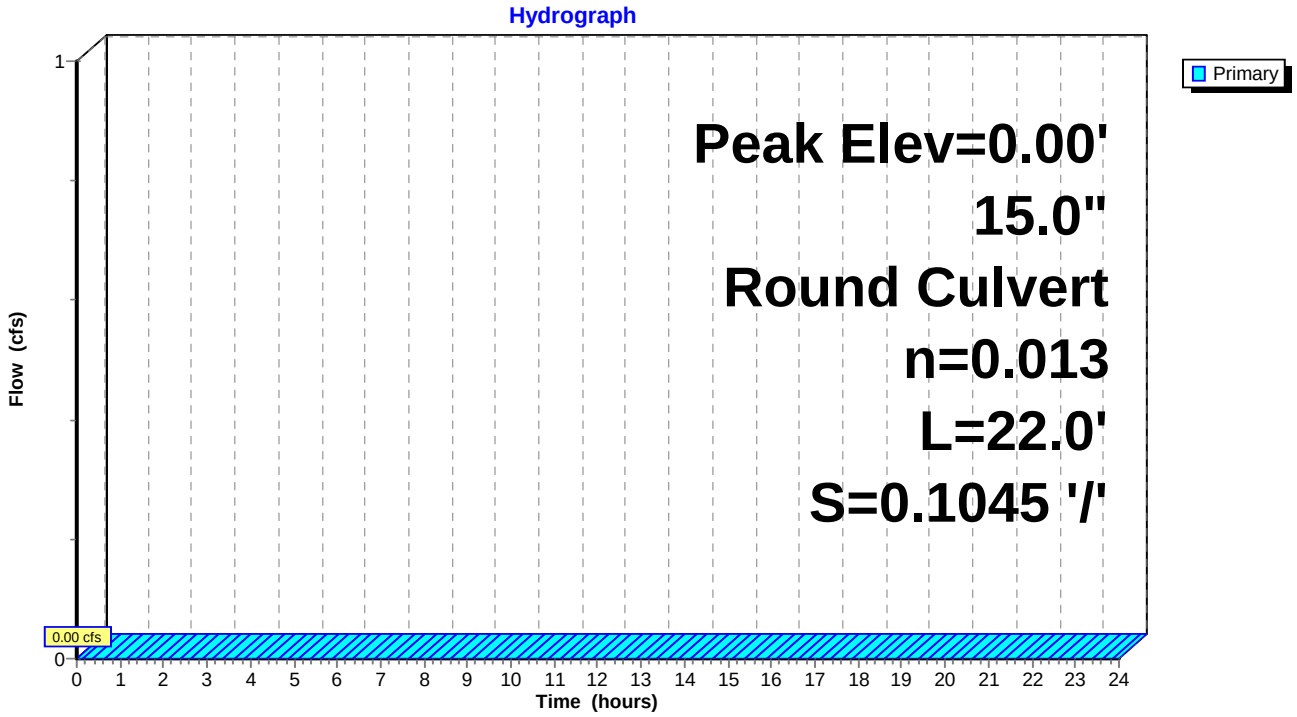
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

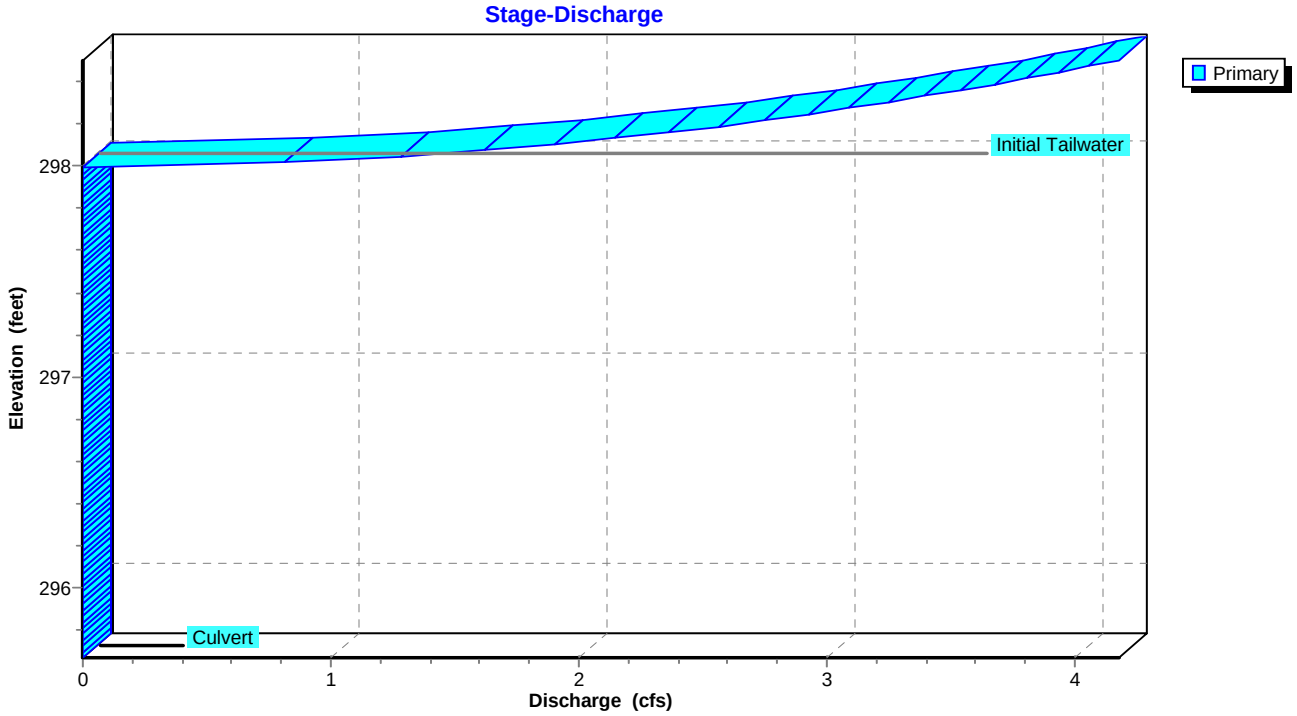
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

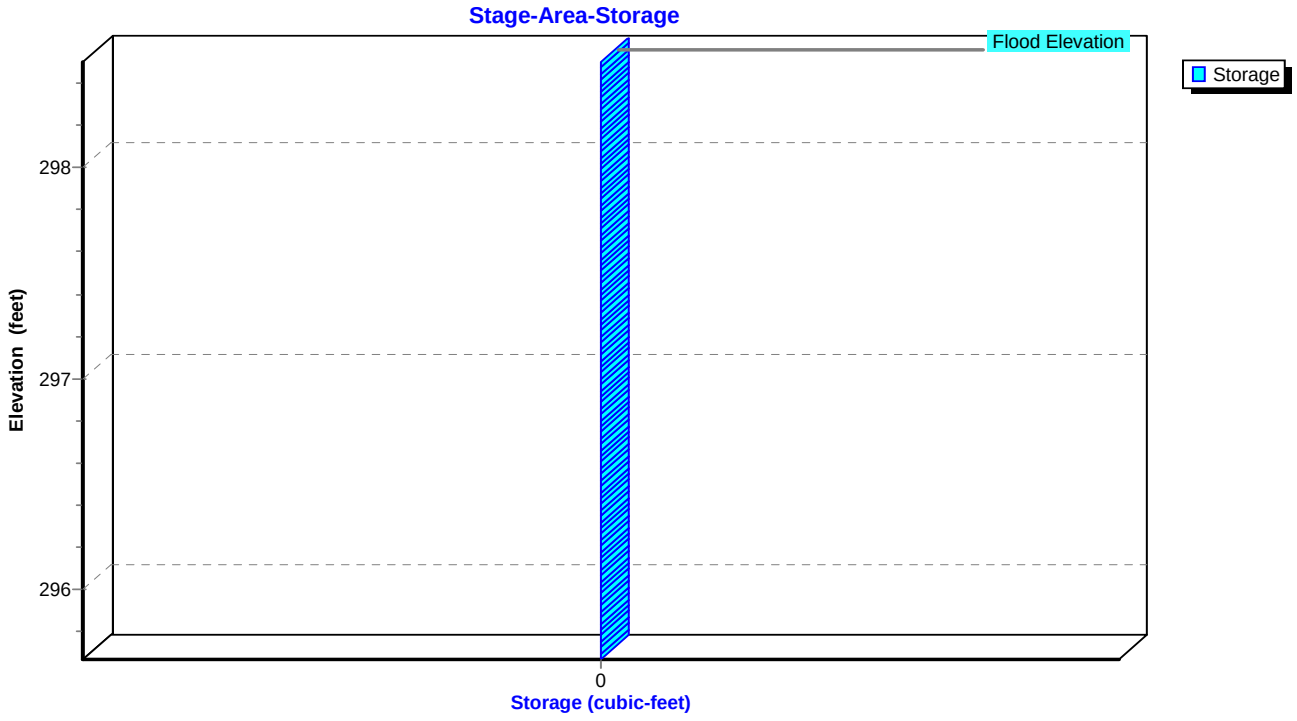
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

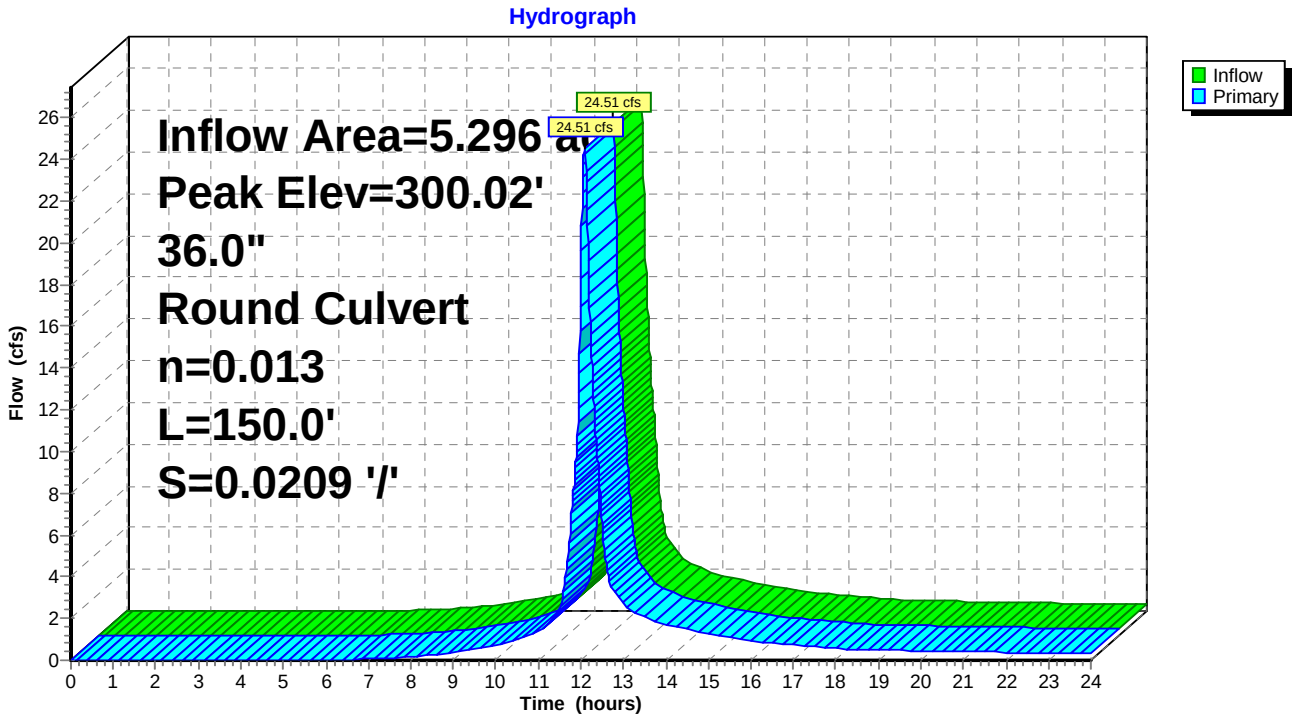
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 4.62" for 50-Year event
Inflow = 24.51 cfs @ 12.09 hrs, Volume= 2.039 af
Outflow = 24.51 cfs @ 12.09 hrs, Volume= 2.039 af, Atten= 0%, Lag= 0.0 min
Primary = 24.51 cfs @ 12.09 hrs, Volume= 2.039 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.02' @ 12.09 hrs
Flood Elev= 302.30'

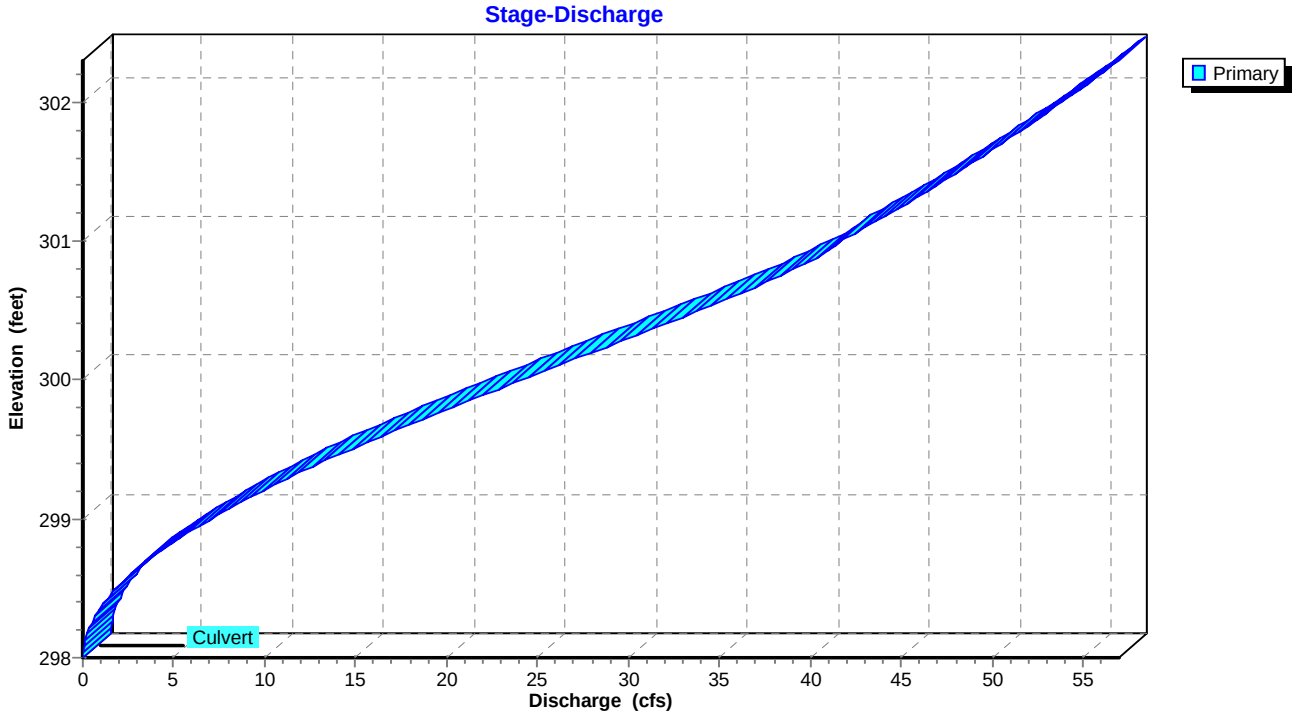
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=24.49 cfs @ 12.09 hrs HW=300.02' TW=296.84' (Dynamic Tailwater)
1=Culvert (Inlet Controls 24.49 cfs @ 4.84 fps)

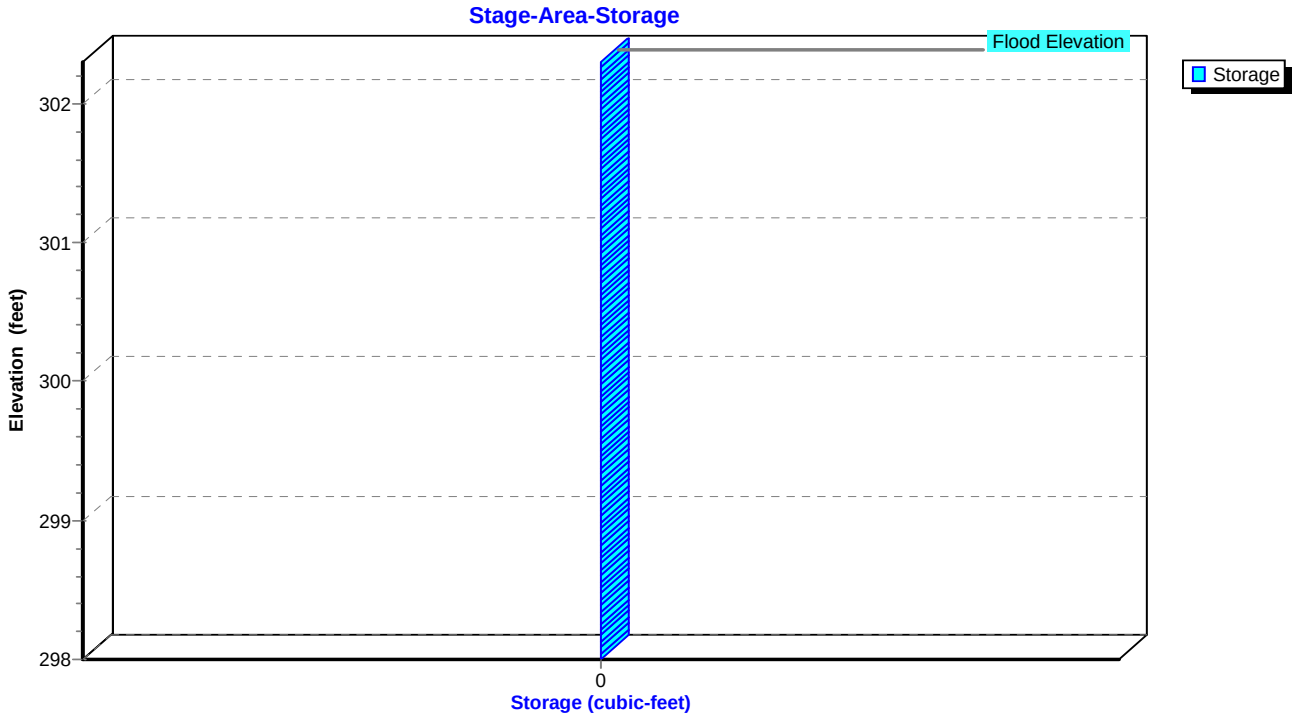
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.01	0.00
6.00	0.01	298.03	0.01
6.50	0.02	298.05	0.02
7.00	0.06	298.09	0.06
7.50	0.11	298.12	0.11
8.00	0.17	298.15	0.17
8.50	0.26	298.18	0.26
9.00	0.39	298.23	0.39
9.50	0.54	298.27	0.54
10.00	0.73	298.31	0.73
10.50	1.02	298.37	1.02
11.00	1.39	298.43	1.39
11.50	2.45	298.58	2.45
12.00	**18.26**	**299.70**	**18.26**
12.50	**6.59**	**298.97**	**6.59**
13.00	2.67	298.60	2.67
13.50	2.08	298.53	2.08
14.00	1.70	298.48	1.70
14.50	1.48	298.44	1.48
15.00	1.29	298.41	1.29
15.50	1.10	298.38	1.10
16.00	0.91	298.35	0.91
16.50	0.81	298.33	0.81
17.00	0.73	298.31	0.73
17.50	0.64	298.29	0.64
18.00	0.56	298.27	0.56
18.50	0.52	298.26	0.52
19.00	0.50	298.26	0.50
19.50	0.47	298.25	0.47
20.00	0.45	298.24	0.45
20.50	0.43	298.24	0.43
21.00	0.41	298.23	0.41
21.50	0.39	298.23	0.39
22.00	0.37	298.22	0.37
22.50	0.35	298.21	0.35
23.00	0.33	298.21	0.33
23.50	0.31	298.20	0.31
24.00	0.30	298.20	0.30

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

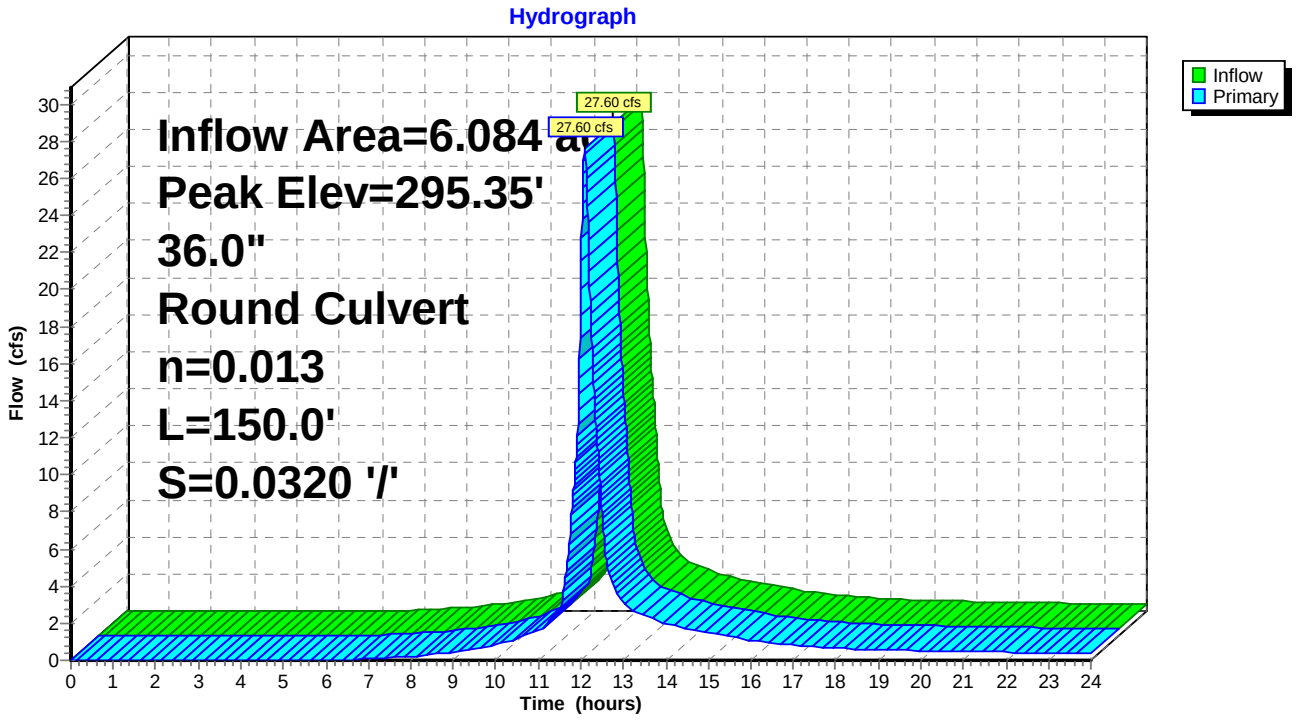
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 4.64" for 50-Year event
Inflow = 27.60 cfs @ 12.09 hrs, Volume= 2.353 af
Outflow = 27.60 cfs @ 12.09 hrs, Volume= 2.353 af, Atten= 0%, Lag= 0.0 min
Primary = 27.60 cfs @ 12.09 hrs, Volume= 2.353 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.35' @ 12.09 hrs
Flood Elev= 296.00'

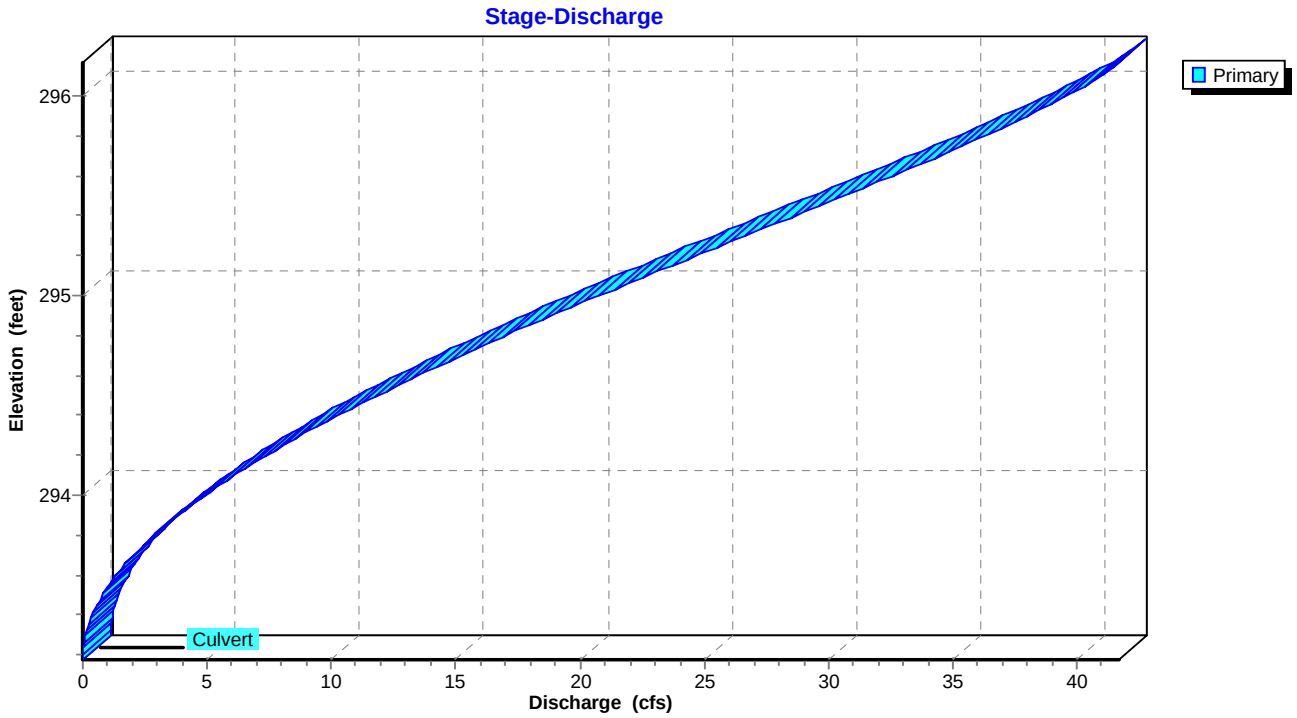
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=27.57 cfs @ 12.09 hrs HW=295.35' (Free Discharge)
1=Culvert (Inlet Controls 27.57 cfs @ 5.02 fps)

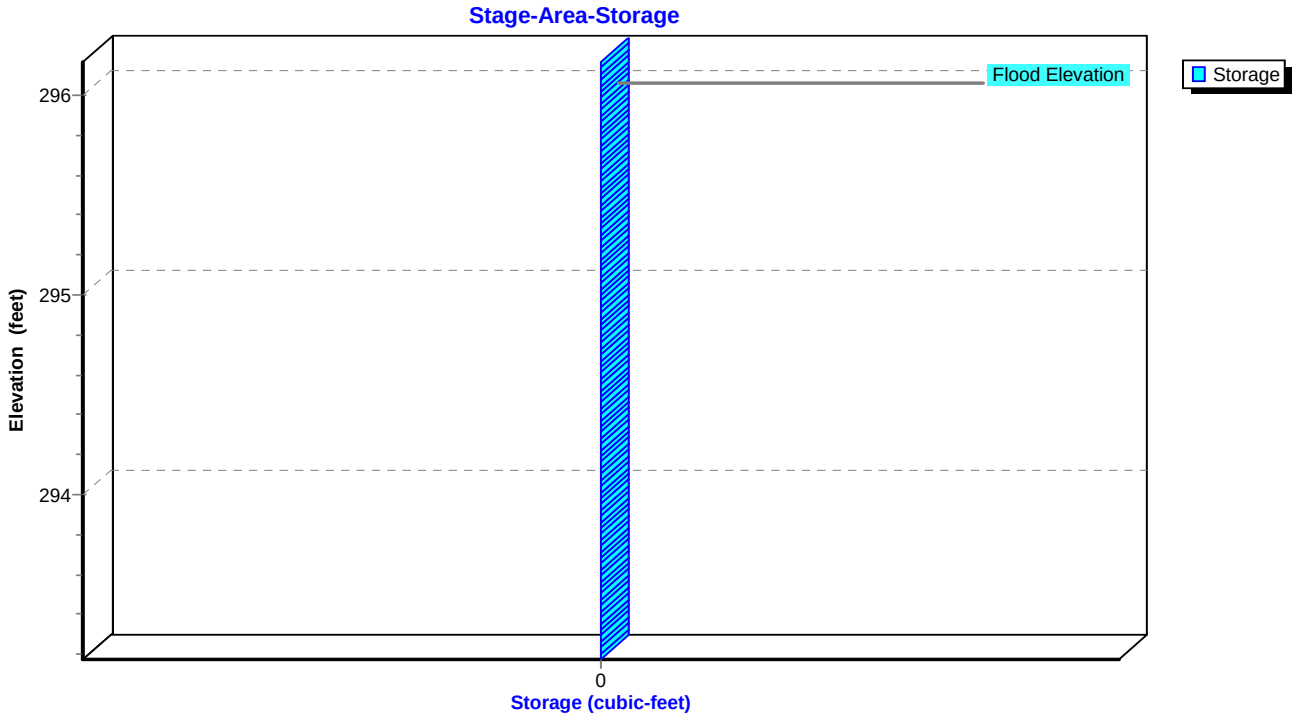
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.18	0.00
6.00	0.01	293.20	0.01
6.50	0.03	293.23	0.03
7.00	0.07	293.26	0.07
7.50	0.13	293.30	0.13
8.00	0.20	293.33	0.20
8.50	0.31	293.37	0.31
9.00	0.45	293.41	0.45
9.50	0.63	293.46	0.63
10.00	0.84	293.50	0.84
10.50	1.18	293.57	1.18
11.00	1.61	293.63	1.61
11.50	2.81	293.79	2.81
12.00	**20.03**	**294.96**	**20.03**
12.50	**7.94**	**294.24**	**7.94**
13.00	3.12	293.82	3.12
13.50	2.41	293.74	2.41
14.00	1.97	293.68	1.97
14.50	1.71	293.65	1.71
15.00	1.49	293.62	1.49
15.50	1.28	293.58	1.28
16.00	1.06	293.54	1.06
16.50	0.93	293.52	0.93
17.00	0.84	293.50	0.84
17.50	0.74	293.48	0.74
18.00	0.65	293.46	0.65
18.50	0.60	293.45	0.60
19.00	0.57	293.44	0.57
19.50	0.55	293.44	0.55
20.00	0.52	293.43	0.52
20.50	0.49	293.42	0.49
21.00	0.47	293.42	0.47
21.50	0.45	293.41	0.45
22.00	0.43	293.41	0.43
22.50	0.41	293.40	0.41
23.00	0.38	293.39	0.38
23.50	0.36	293.39	0.36
24.00	0.34	293.38	0.34

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

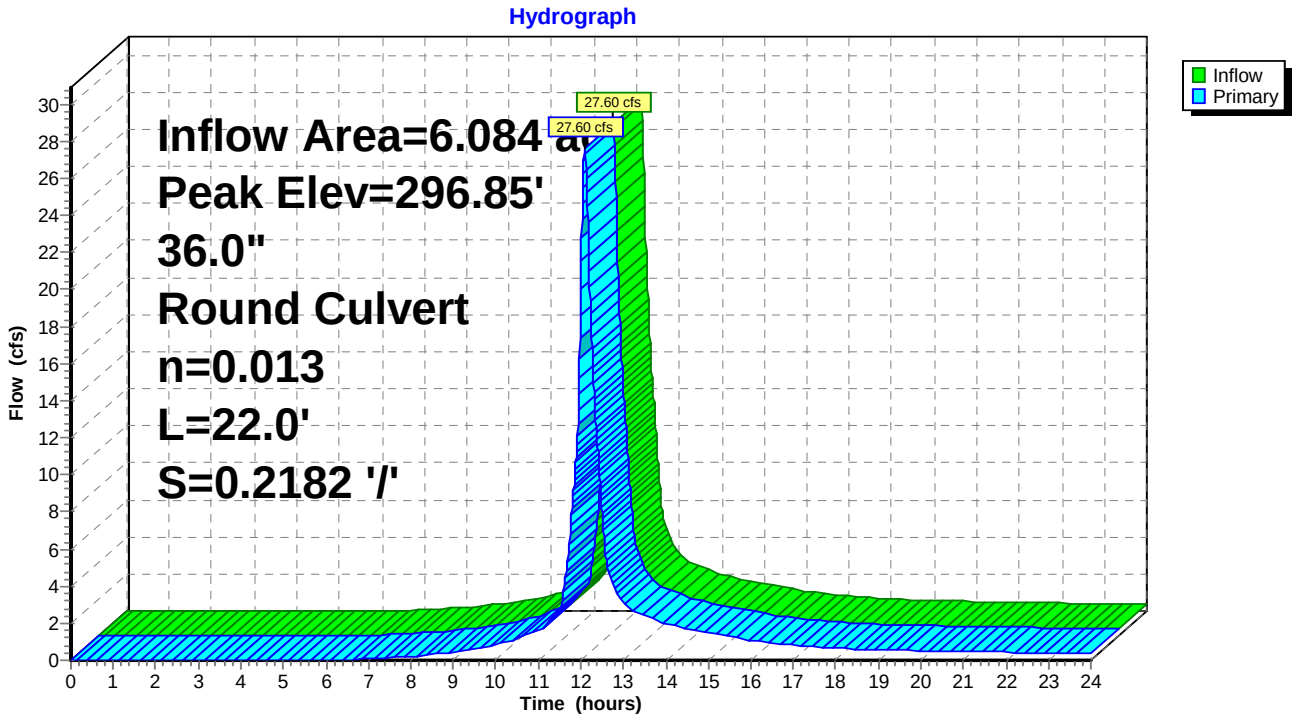
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 4.64" for 50-Year event
Inflow = 27.60 cfs @ 12.09 hrs, Volume= 2.353 af
Outflow = 27.60 cfs @ 12.09 hrs, Volume= 2.353 af, Atten= 0%, Lag= 0.0 min
Primary = 27.60 cfs @ 12.09 hrs, Volume= 2.353 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.85' @ 12.09 hrs
Flood Elev= 299.00'

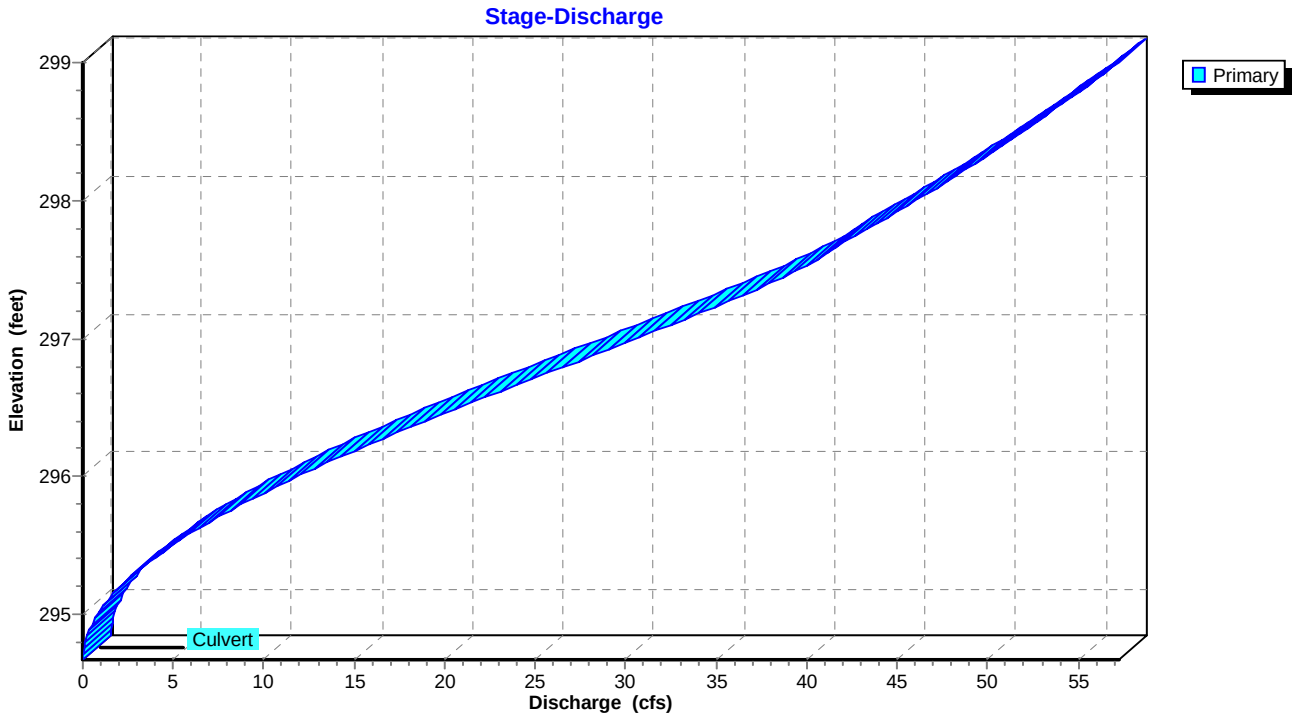
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=27.57 cfs @ 12.09 hrs HW=296.85' TW=295.35' (Dynamic Tailwater)
1=Culvert (Inlet Controls 27.57 cfs @ 5.02 fps)

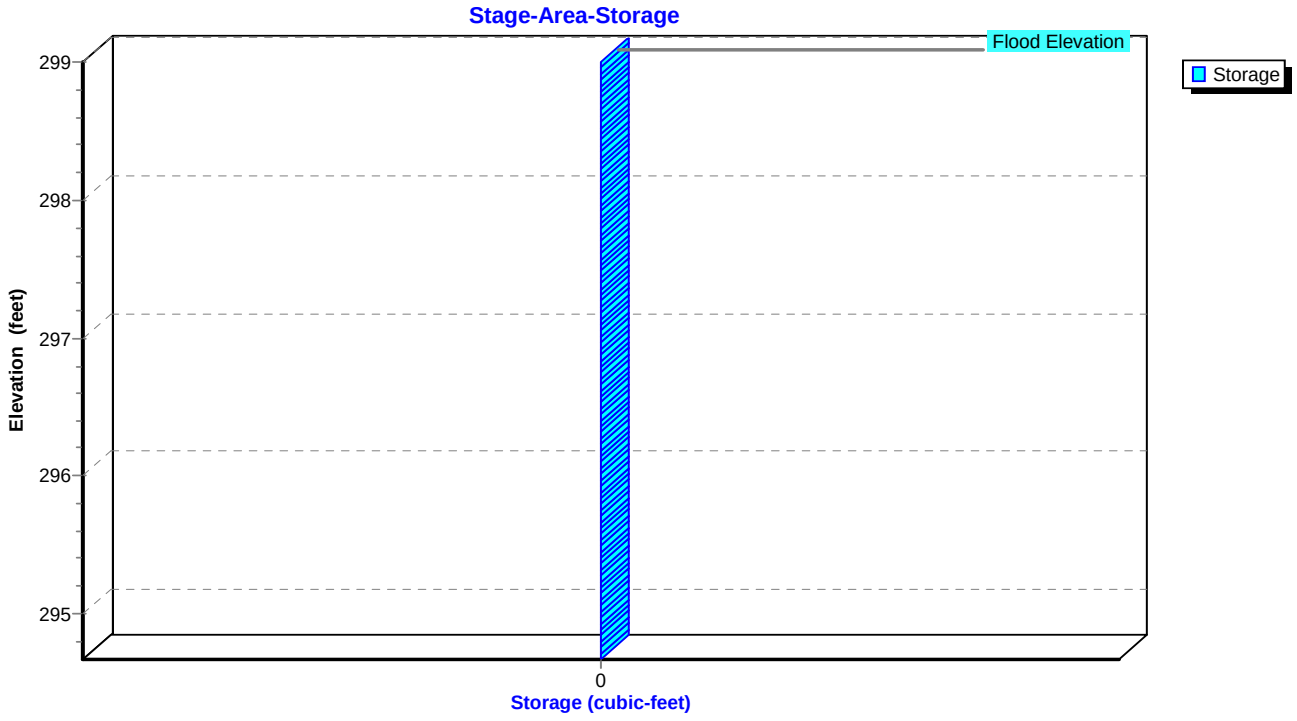
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.68	0.00
6.00	0.01	294.70	0.01
6.50	0.03	294.73	0.03
7.00	0.07	294.76	0.07
7.50	0.13	294.80	0.13
8.00	0.20	294.83	0.20
8.50	0.31	294.87	0.31
9.00	0.45	294.91	0.45
9.50	0.63	294.96	0.63
10.00	0.84	295.00	0.84
10.50	1.18	295.07	1.18
11.00	1.61	295.13	1.61
11.50	2.81	295.29	2.81
12.00	**20.03**	**296.46**	**20.03**
12.50	**7.94**	**295.74**	**7.94**
13.00	3.12	295.32	3.12
13.50	2.41	295.24	2.41
14.00	1.97	295.18	1.97
14.50	1.71	295.15	1.71
15.00	1.49	295.12	1.49
15.50	1.28	295.08	1.28
16.00	1.06	295.04	1.06
16.50	0.93	295.02	0.93
17.00	0.84	295.00	0.84
17.50	0.74	294.98	0.74
18.00	0.65	294.96	0.65
18.50	0.60	294.95	0.60
19.00	0.57	294.94	0.57
19.50	0.55	294.94	0.55
20.00	0.52	294.93	0.52
20.50	0.49	294.92	0.49
21.00	0.47	294.92	0.47
21.50	0.45	294.91	0.45
22.00	0.43	294.91	0.43
22.50	0.41	294.90	0.41
23.00	0.38	294.89	0.38
23.50	0.36	294.89	0.36
24.00	0.34	294.88	0.34

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

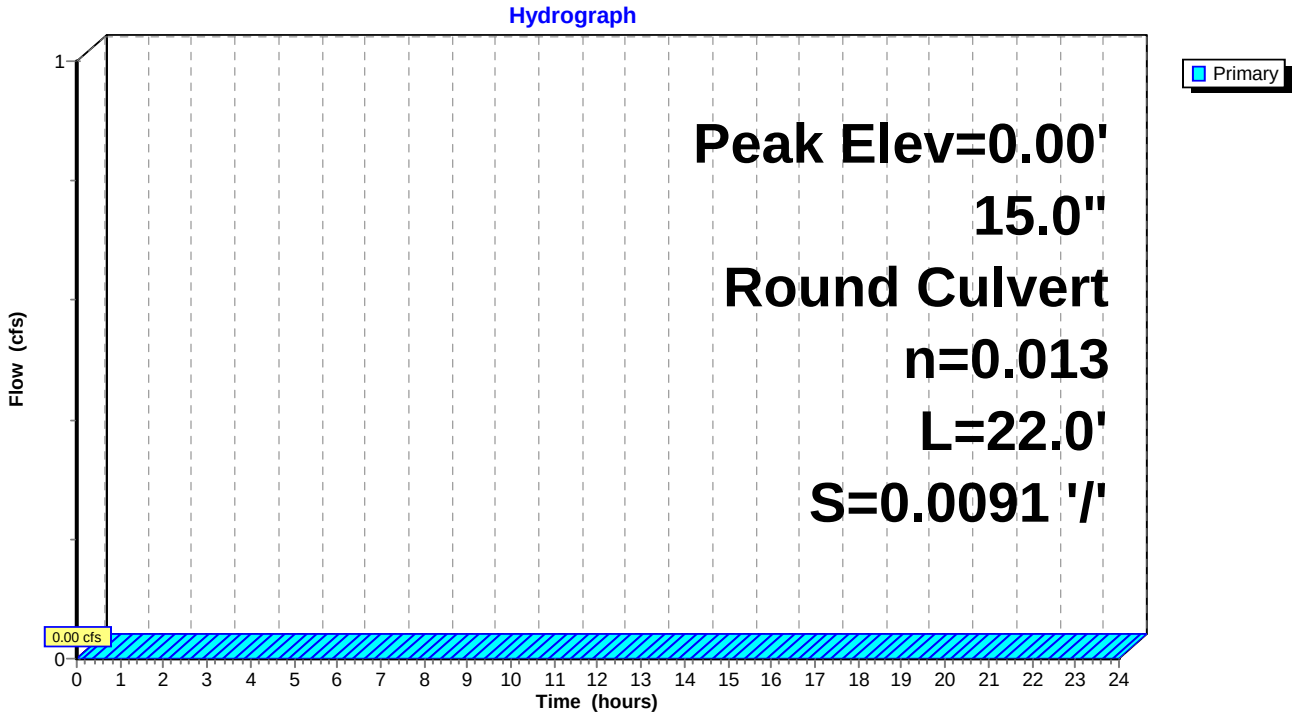
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

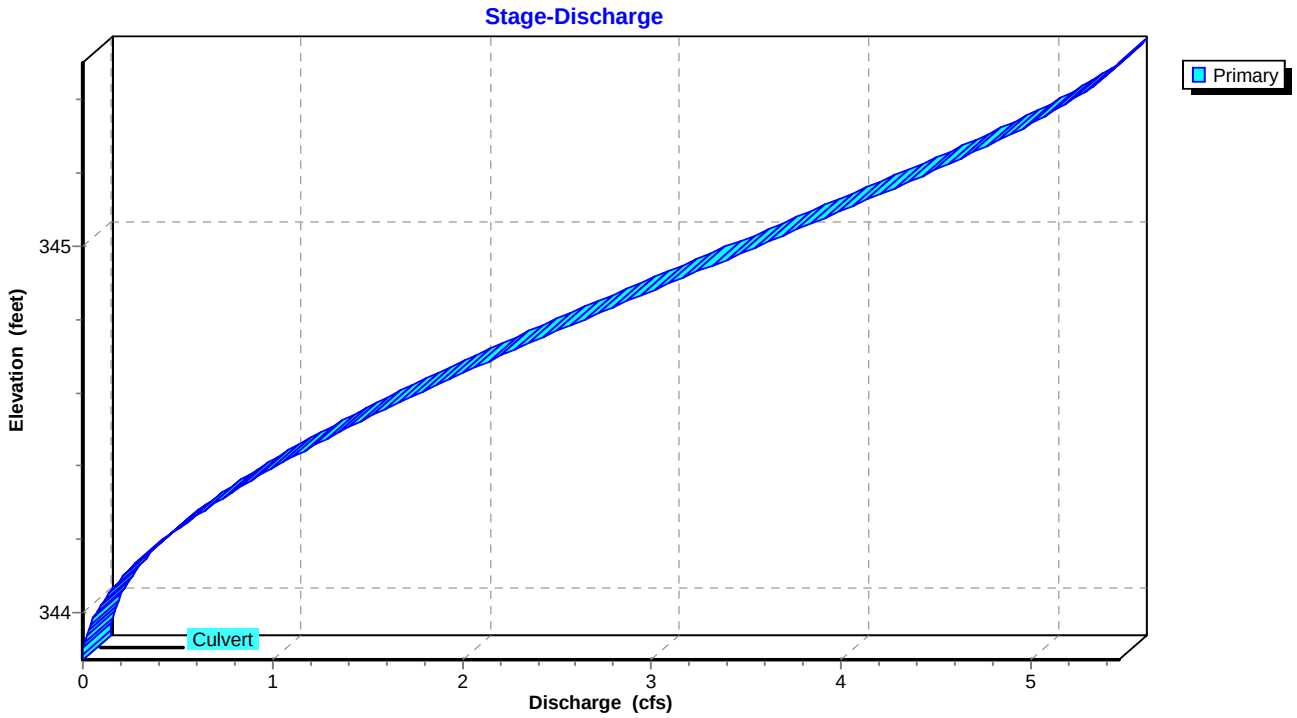
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

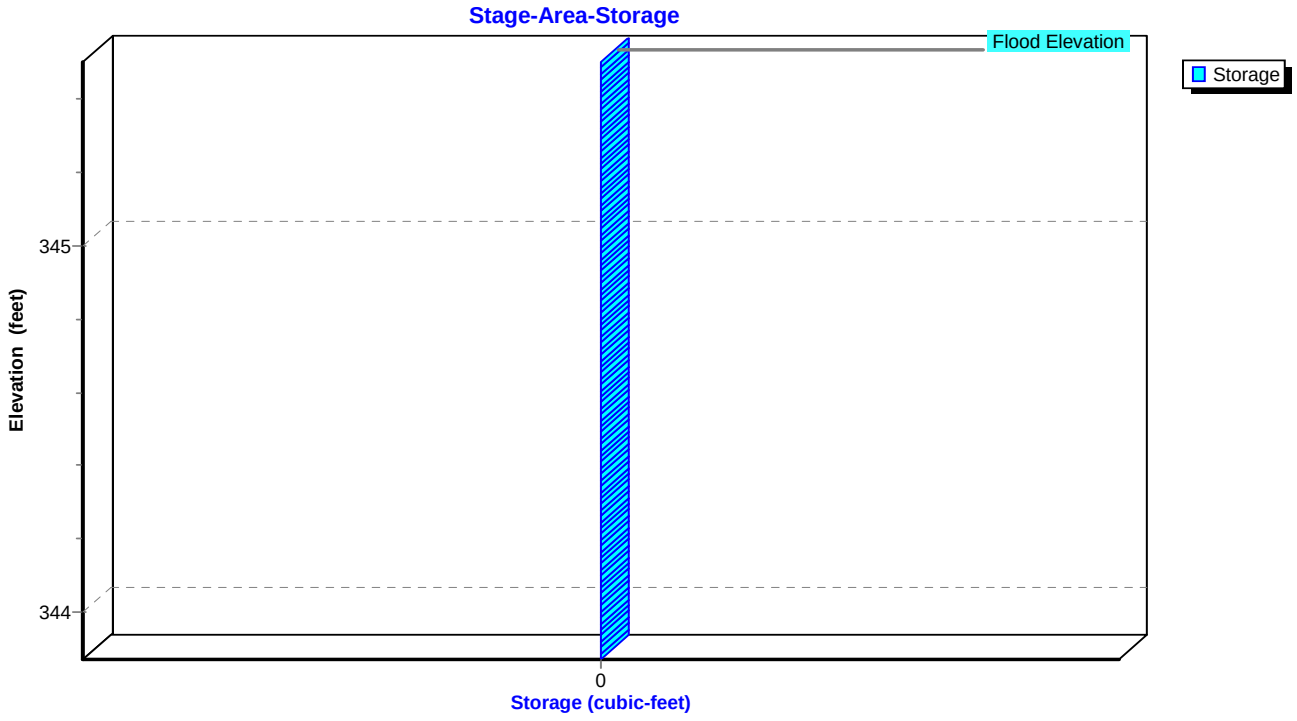
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

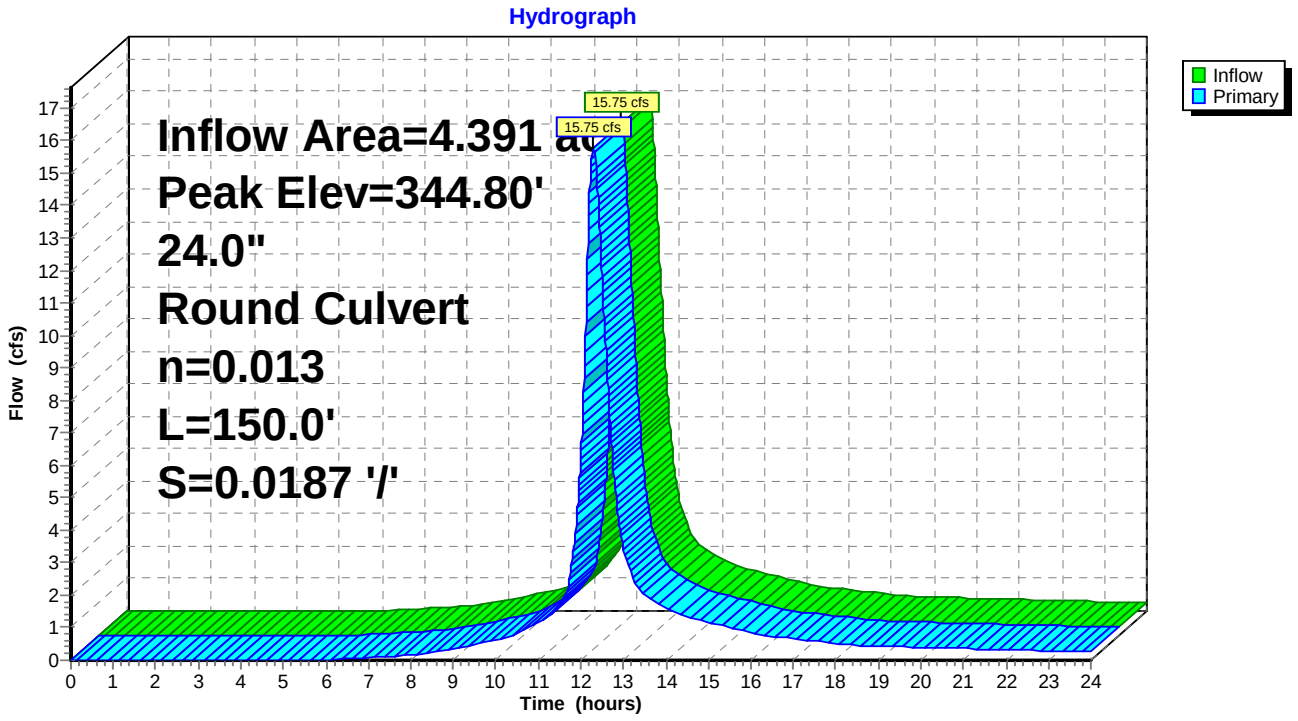
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 4.89" for 50-Year event
Inflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af
Outflow = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af, Atten= 0%, Lag= 0.0 min
Primary = 15.75 cfs @ 12.29 hrs, Volume= 1.790 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 344.80' @ 12.29 hrs
Flood Elev= 347.00'

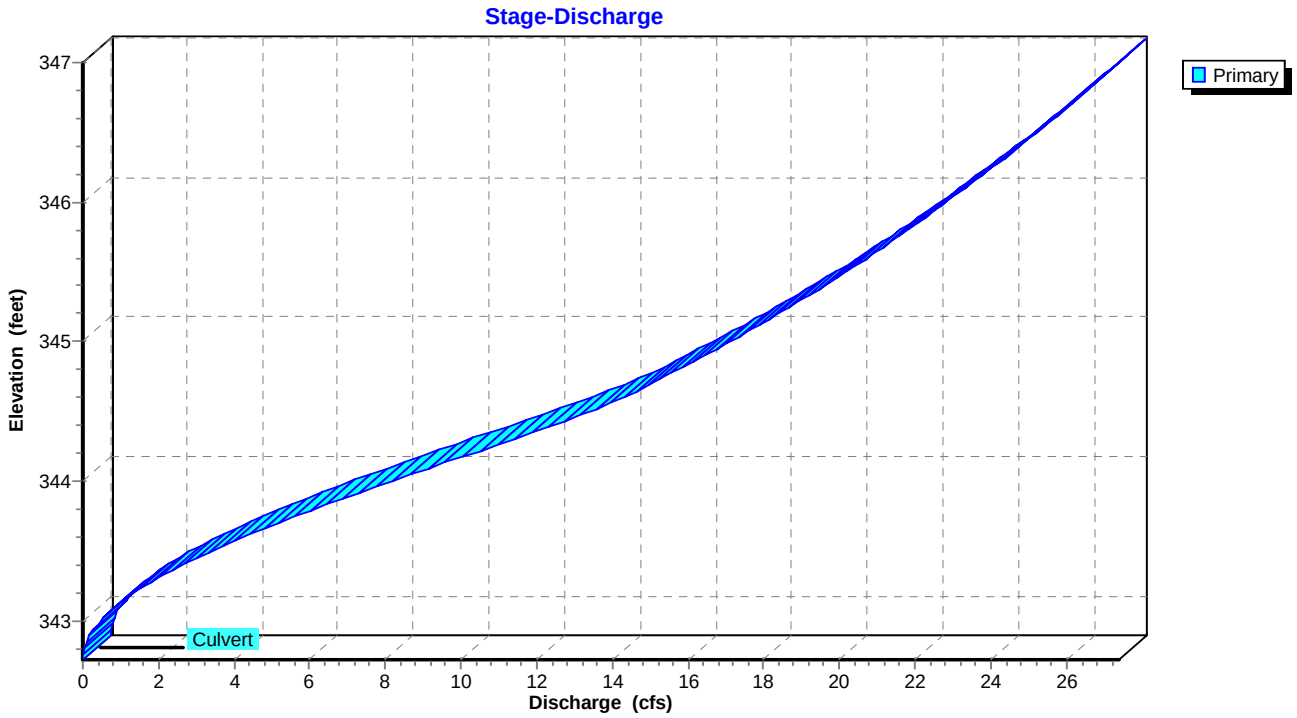
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=15.75 cfs @ 12.29 hrs HW=344.80' TW=342.35' (Dynamic Tailwater)
1=Culvert (Inlet Controls 15.75 cfs @ 5.01 fps)

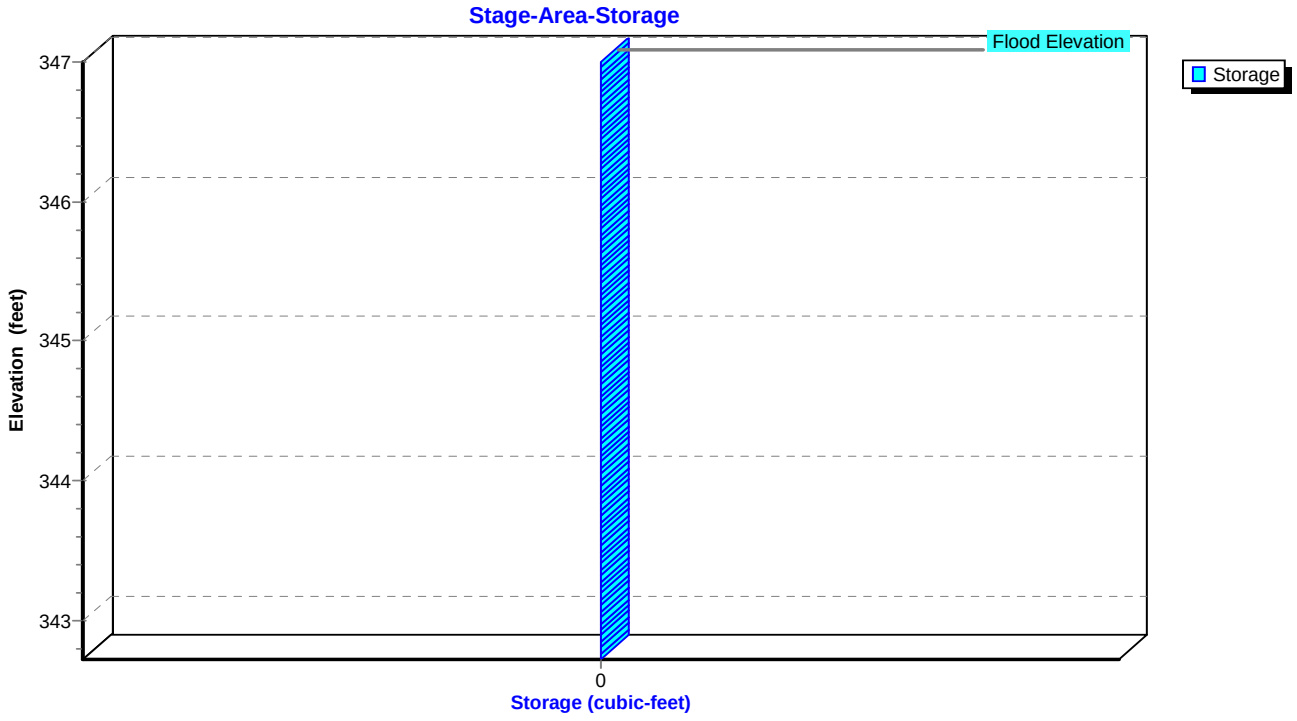
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.00	342.73	0.00
6.00	0.01	342.76	0.01
6.50	0.04	342.80	0.04
7.00	0.07	342.83	0.07
7.50	0.12	342.86	0.12
8.00	0.17	342.88	0.17
8.50	0.24	342.92	0.24
9.00	0.35	342.96	0.35
9.50	0.48	343.00	0.48
10.00	0.63	343.04	0.63
10.50	0.84	343.09	0.84
11.00	1.14	343.16	1.14
11.50	1.73	343.26	1.73
12.00	**6.22**	**343.81**	**6.22**
12.50	**11.81**	**344.34**	**11.81**
13.00	3.48	343.51	3.48
13.50	2.01	343.31	2.01
14.00	1.62	343.24	1.62
14.50	1.35	343.20	1.35
15.00	1.18	343.16	1.18
15.50	1.02	343.13	1.02
16.00	0.86	343.10	0.86
16.50	0.73	343.07	0.73
17.00	0.65	343.05	0.65
17.50	0.58	343.03	0.58
18.00	0.51	343.01	0.51
18.50	0.46	342.99	0.46
19.00	0.43	342.99	0.43
19.50	0.41	342.98	0.41
20.00	0.39	342.97	0.39
20.50	0.37	342.97	0.37
21.00	0.35	342.96	0.35
21.50	0.34	342.95	0.34
22.00	0.32	342.95	0.32
22.50	0.31	342.94	0.31
23.00	0.29	342.94	0.29
23.50	0.27	342.93	0.27
24.00	0.26	342.92	0.26

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

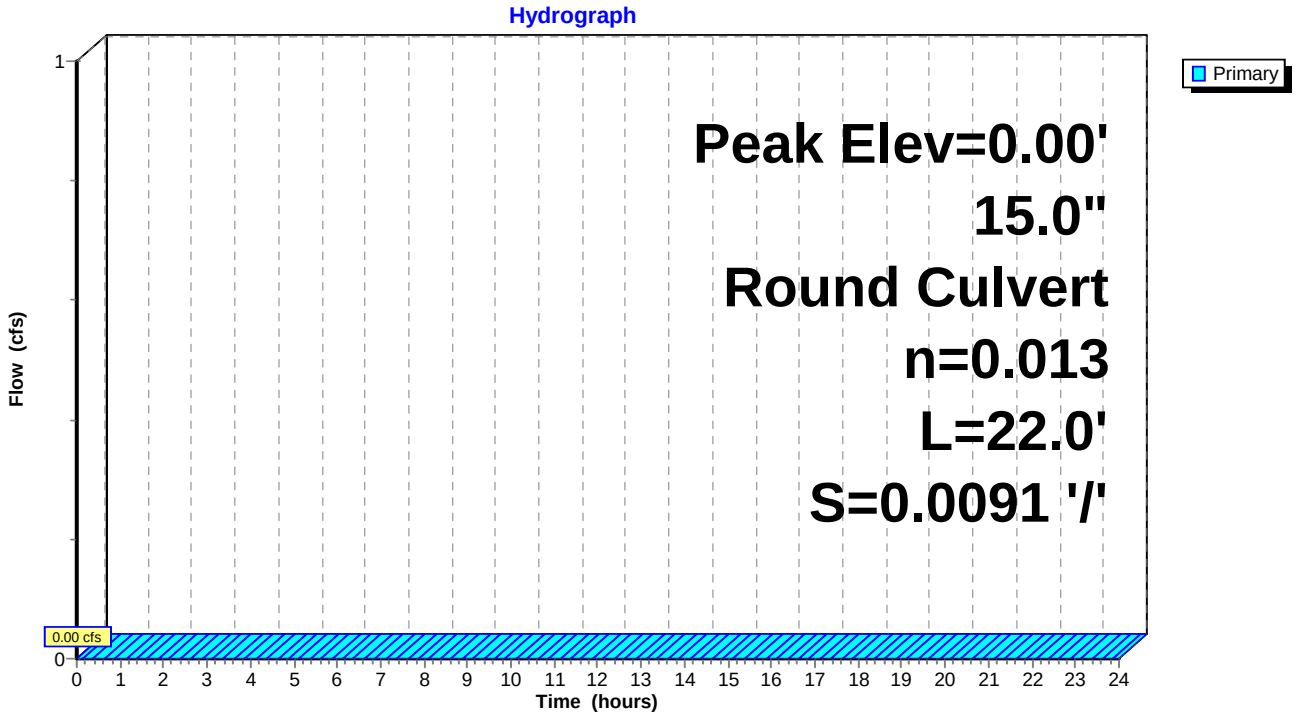
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

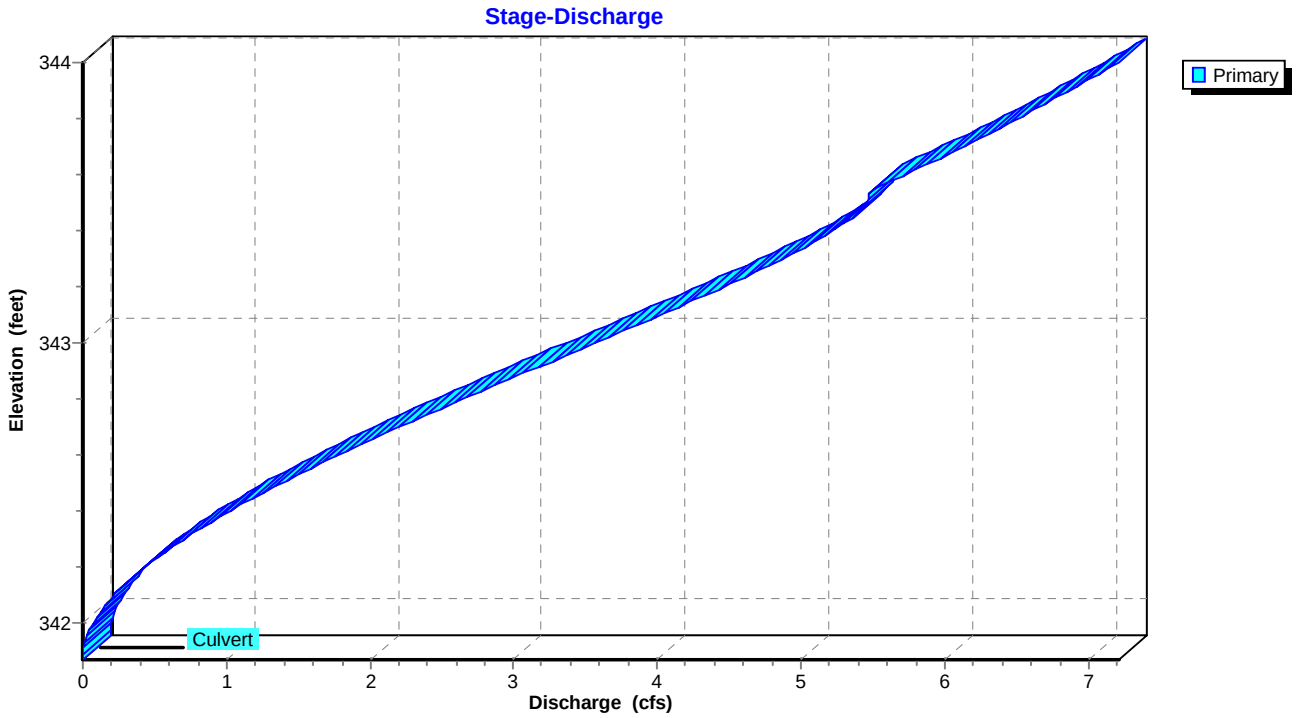
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

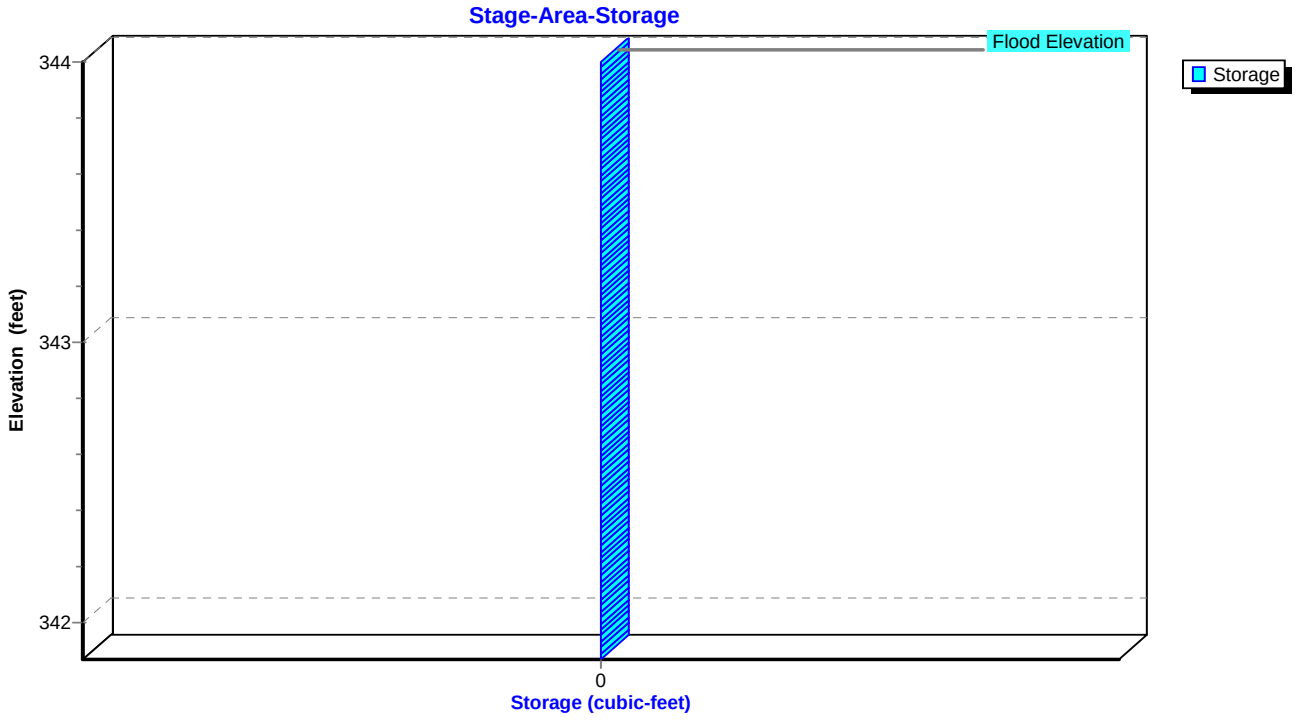
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

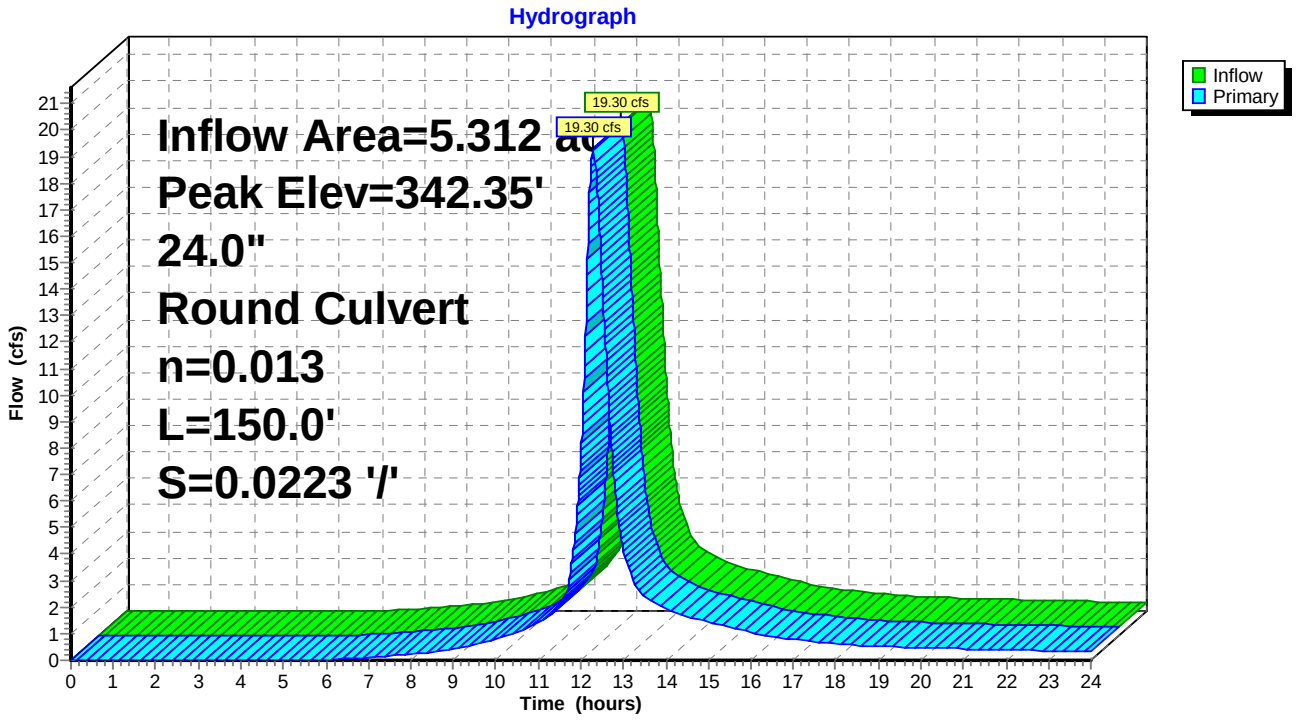
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 4.93" for 50-Year event
Inflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af
Outflow = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af, Atten= 0%, Lag= 0.0 min
Primary = 19.30 cfs @ 12.29 hrs, Volume= 2.183 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.35' @ 12.29 hrs
Flood Elev= 345.00'

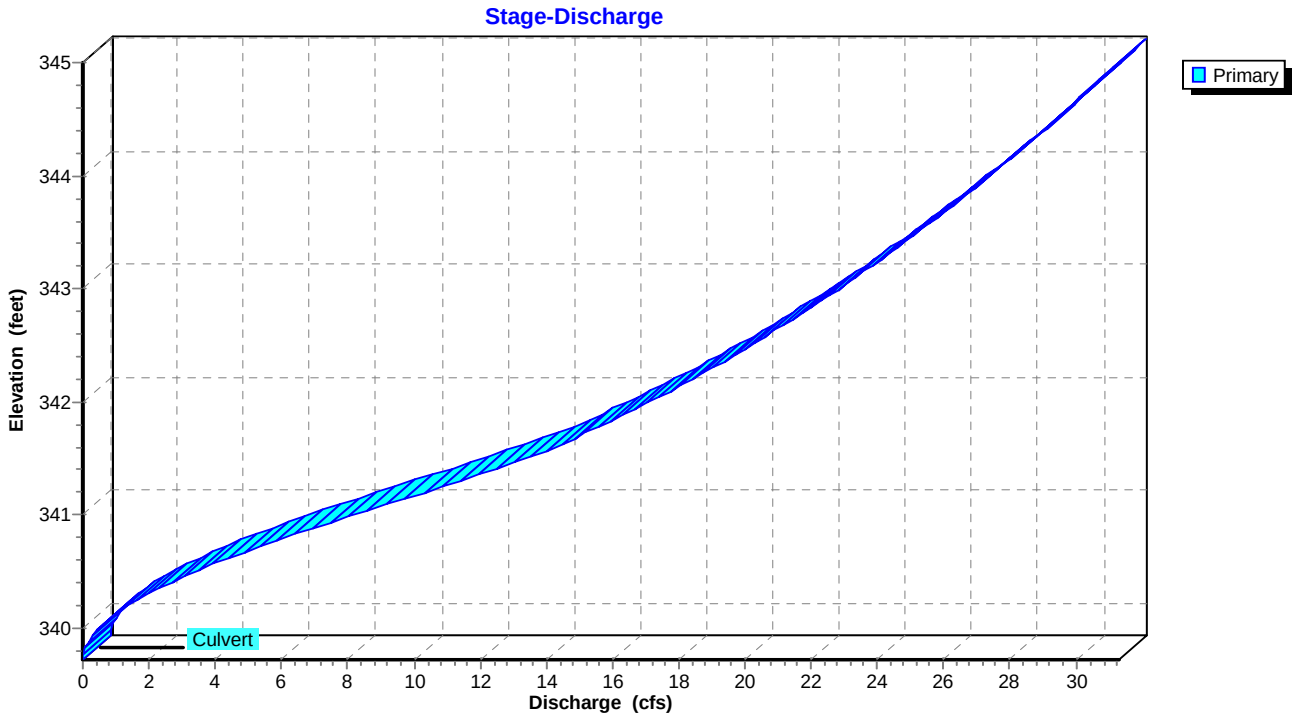
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=19.30 cfs @ 12.29 hrs HW=342.35' TW=338.32' (Dynamic Tailwater)
1=Culvert (Inlet Controls 19.30 cfs @ 6.14 fps)

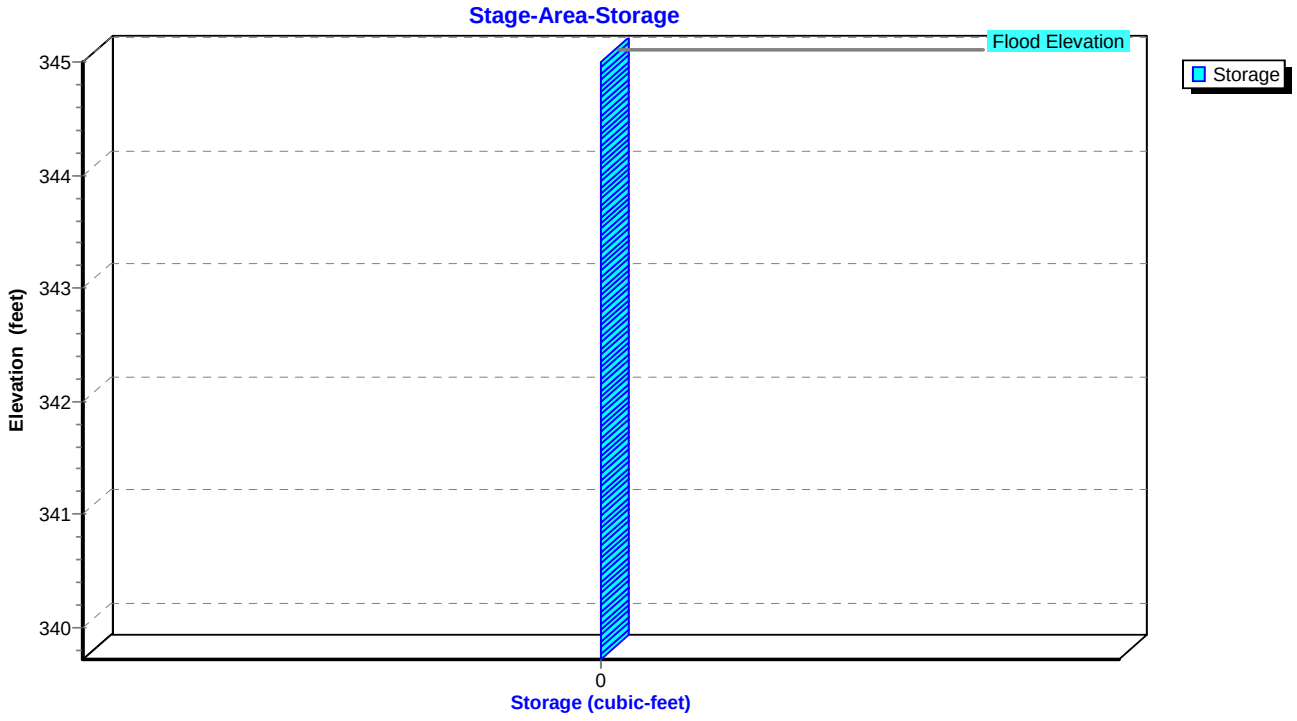
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.72	0.00
5.50	0.00	339.75	0.00
6.00	0.02	339.78	0.02
6.50	0.05	339.81	0.05
7.00	0.10	339.84	0.10
7.50	0.15	339.87	0.15
8.00	0.22	339.91	0.22
8.50	0.30	339.94	0.30
9.00	0.44	339.99	0.44
9.50	0.60	340.03	0.60
10.00	0.78	340.08	0.78
10.50	1.03	340.13	1.03
11.00	1.40	340.21	1.40
11.50	2.13	340.33	2.13
12.00	**7.63**	**340.95**	**7.63**
12.50	**14.33**	**341.60**	**14.33**
13.00	4.19	340.59	4.19
13.50	2.43	340.37	2.43
14.00	1.96	340.30	1.96
14.50	1.63	340.25	1.63
15.00	1.43	340.21	1.43
15.50	1.24	340.18	1.24
16.00	1.04	340.14	1.04
16.50	0.88	340.10	0.88
17.00	0.79	340.08	0.79
17.50	0.70	340.06	0.70
18.00	0.62	340.04	0.62
18.50	0.55	340.02	0.55
19.00	0.53	340.01	0.53
19.50	0.50	340.01	0.50
20.00	0.47	340.00	0.47
20.50	0.45	339.99	0.45
21.00	0.43	339.98	0.43
21.50	0.41	339.98	0.41
22.00	0.39	339.97	0.39
22.50	0.37	339.97	0.37
23.00	0.35	339.96	0.35
23.50	0.33	339.95	0.33
24.00	0.31	339.94	0.31

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

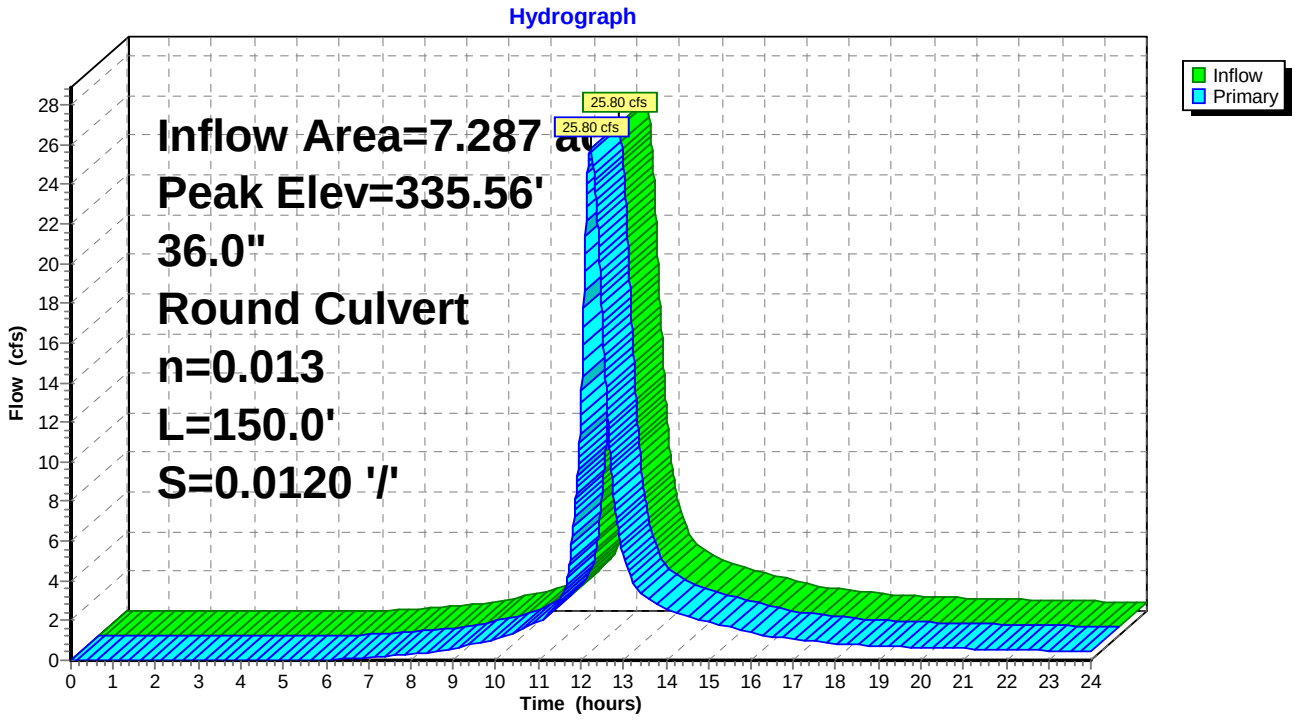
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.56' @ 12.23 hrs
Flood Elev= 337.75'

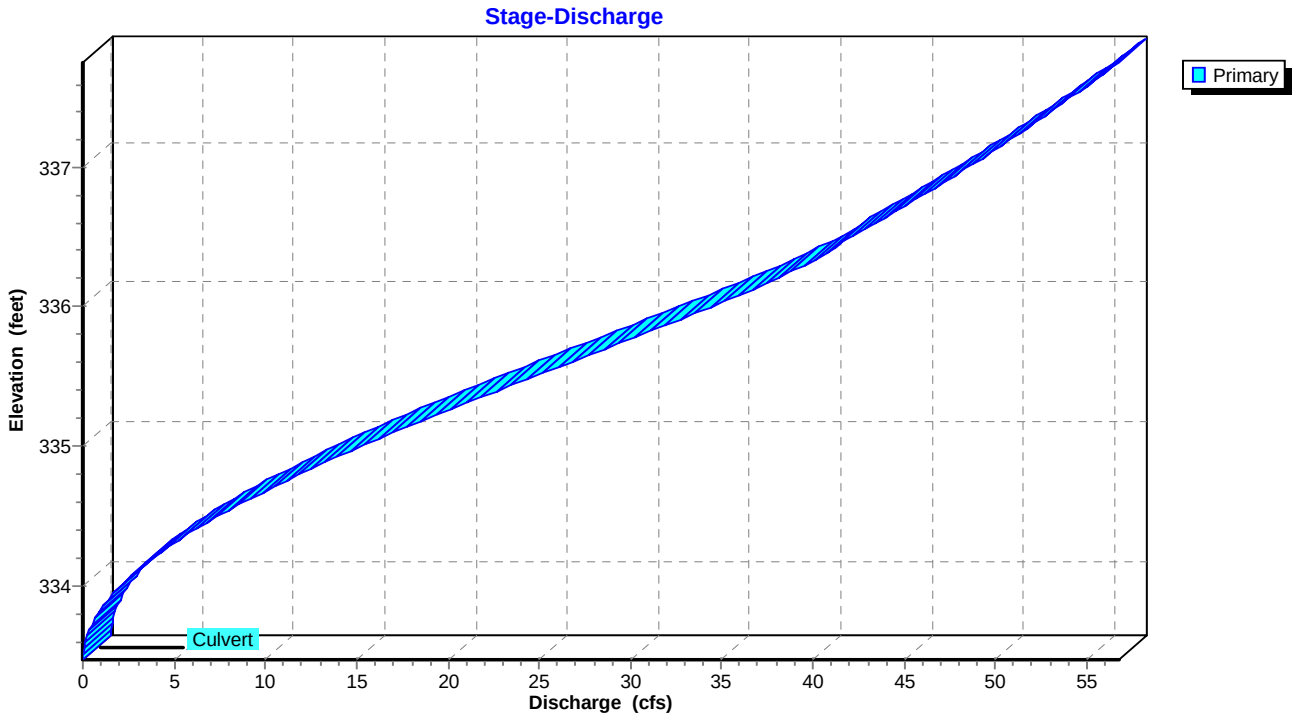
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=25.80 cfs @ 12.23 hrs HW=335.56' TW=332.40' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 25.80 cfs @ 4.92 fps)

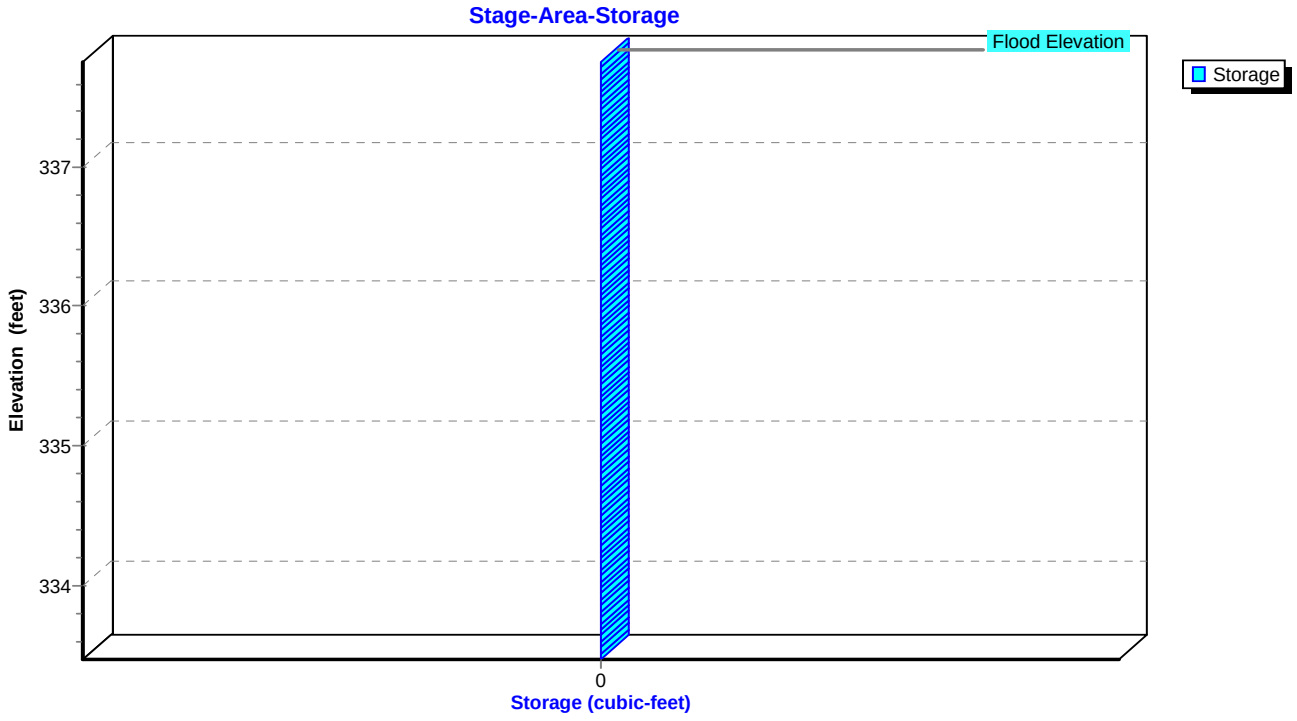
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.50	0.00
6.00	0.02	333.53	0.02
6.50	0.07	333.56	0.07
7.00	0.13	333.60	0.13
7.50	0.20	333.63	0.20
8.00	0.29	333.66	0.29
8.50	0.42	333.70	0.42
9.00	0.60	333.75	0.60
9.50	0.82	333.80	0.82
10.00	1.07	333.85	1.07
10.50	1.44	333.91	1.44
11.00	1.95	333.98	1.95
11.50	3.04	334.11	3.04
12.00	**12.38**	**334.83**	**12.38**
12.50	**17.50**	**335.12**	**17.50**
13.00	5.28	334.33	5.28
13.50	3.24	334.14	3.24
14.00	2.62	334.07	2.62
14.50	2.20	334.01	2.20
15.00	1.93	333.98	1.93
15.50	1.66	333.94	1.66
16.00	1.39	333.90	1.39
16.50	1.19	333.87	1.19
17.00	1.07	333.85	1.07
17.50	0.95	333.82	0.95
18.00	0.83	333.80	0.83
18.50	0.75	333.78	0.75
19.00	0.71	333.78	0.71
19.50	0.68	333.77	0.68
20.00	0.64	333.76	0.64
20.50	0.61	333.75	0.61
21.00	0.59	333.75	0.59
21.50	0.56	333.74	0.56
22.00	0.53	333.73	0.53
22.50	0.51	333.73	0.51
23.00	0.48	333.72	0.48
23.50	0.45	333.71	0.45
24.00	0.43	333.71	0.43

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

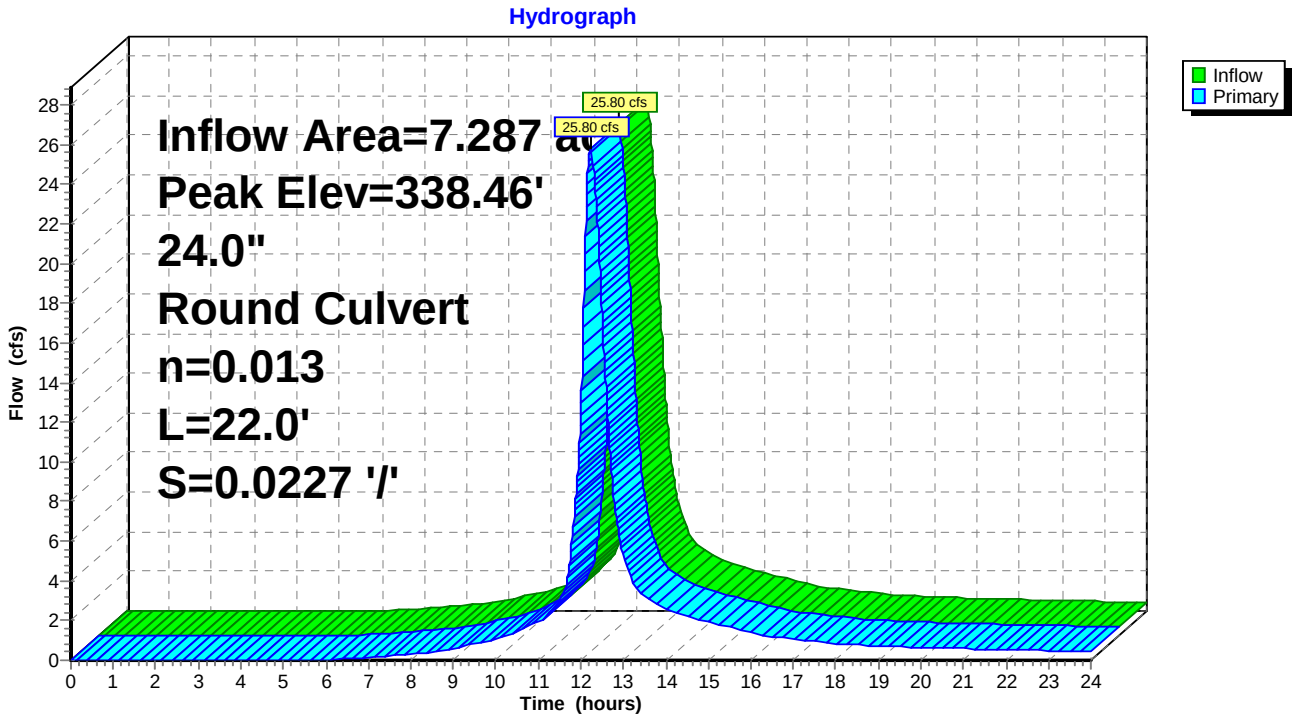
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 4.90" for 50-Year event
Inflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af
Outflow = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af, Atten= 0%, Lag= 0.0 min
Primary = 25.80 cfs @ 12.23 hrs, Volume= 2.973 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 338.46' @ 12.23 hrs
Flood Elev= 339.50'

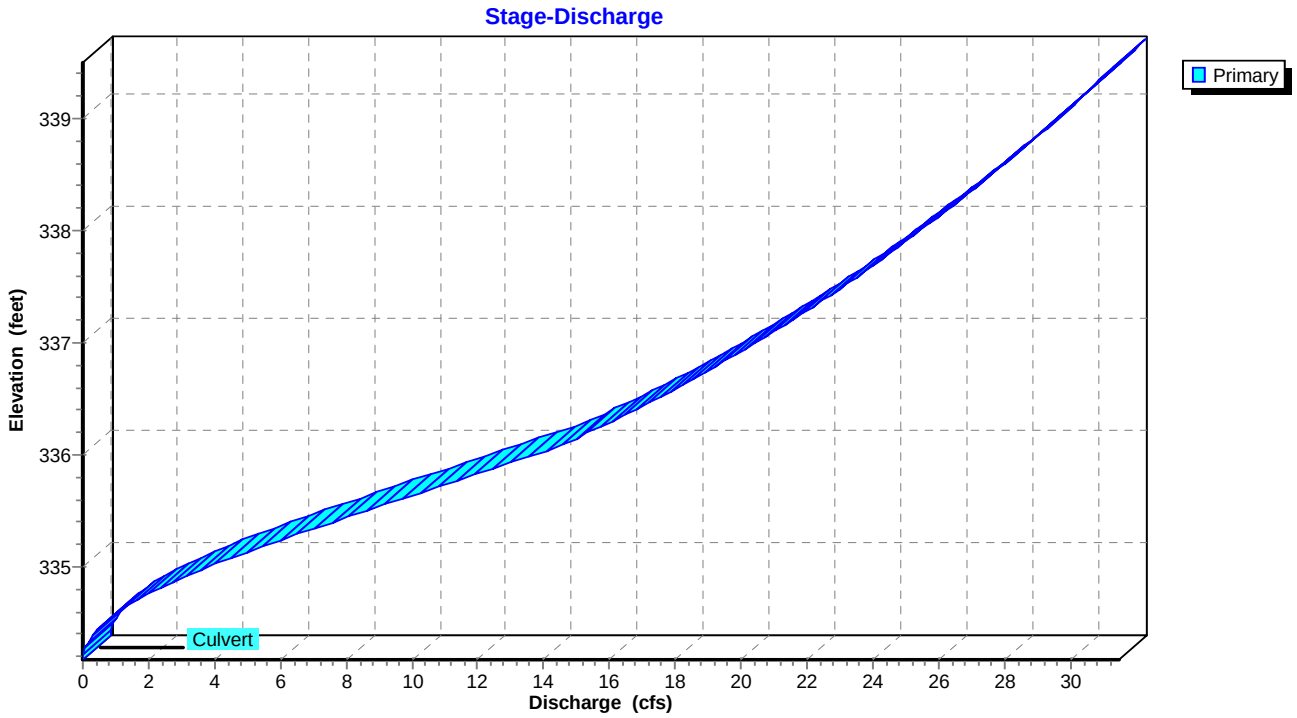
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=25.79 cfs @ 12.23 hrs HW=338.46' TW=335.56' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 25.79 cfs @ 8.21 fps)

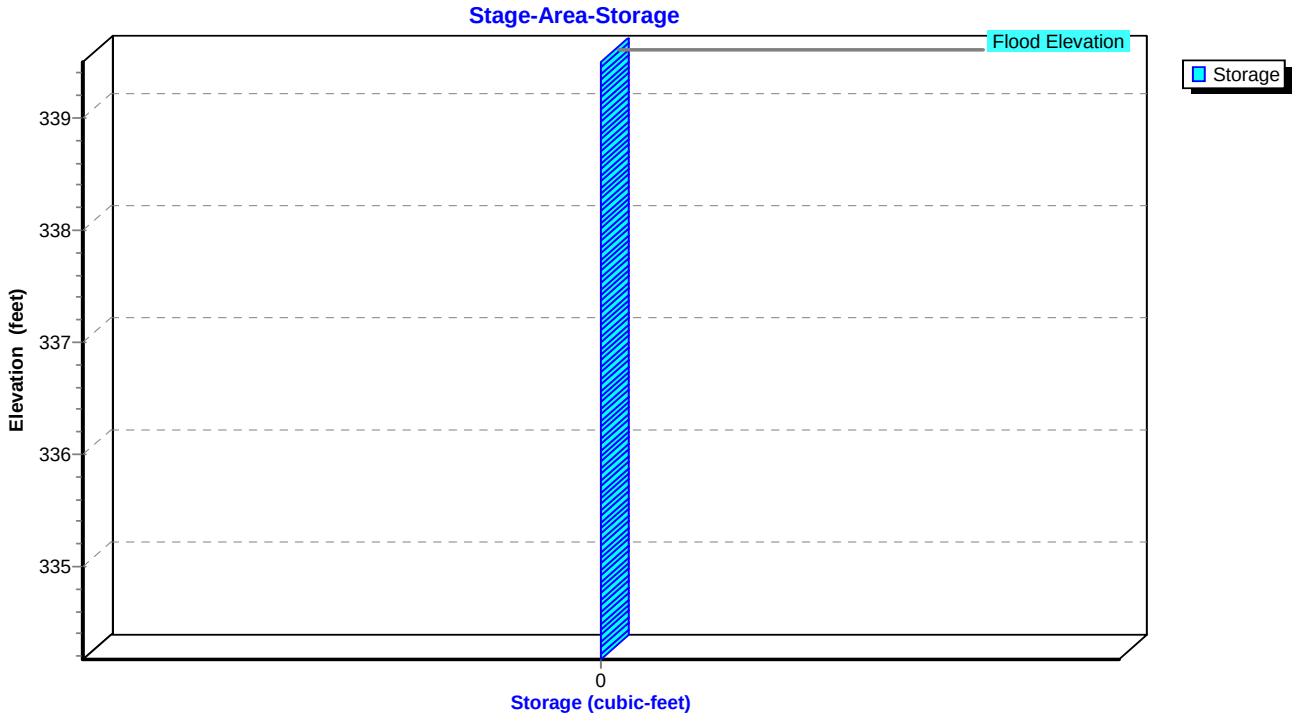
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.17	0.00
5.50	0.00	334.20	0.00
6.00	0.02	334.23	0.02
6.50	0.07	334.27	0.07
7.00	0.13	334.31	0.13
7.50	0.20	334.35	0.20
8.00	0.29	334.39	0.29
8.50	0.42	334.43	0.42
9.00	0.60	334.48	0.60
9.50	0.82	334.54	0.82
10.00	1.07	334.59	1.07
10.50	1.44	334.66	1.44
11.00	1.95	334.75	1.95
11.50	3.04	334.90	3.04
12.00	**12.38**	**335.87**	**12.38**
12.50	**17.50**	**336.51**	**17.50**
13.00	5.28	335.16	5.28
13.50	3.24	334.93	3.24
14.00	2.62	334.85	2.62
14.50	2.20	334.79	2.20
15.00	1.93	334.75	1.93
15.50	1.66	334.70	1.66
16.00	1.39	334.65	1.39
16.50	1.19	334.62	1.19
17.00	1.07	334.59	1.07
17.50	0.95	334.57	0.95
18.00	0.83	334.54	0.83
18.50	0.75	334.52	0.75
19.00	0.71	334.51	0.71
19.50	0.68	334.50	0.68
20.00	0.64	334.50	0.64
20.50	0.61	334.49	0.61
21.00	0.59	334.48	0.59
21.50	0.56	334.47	0.56
22.00	0.53	334.46	0.53
22.50	0.51	334.46	0.51
23.00	0.48	334.45	0.48
23.50	0.45	334.44	0.45
24.00	0.43	334.43	0.43

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

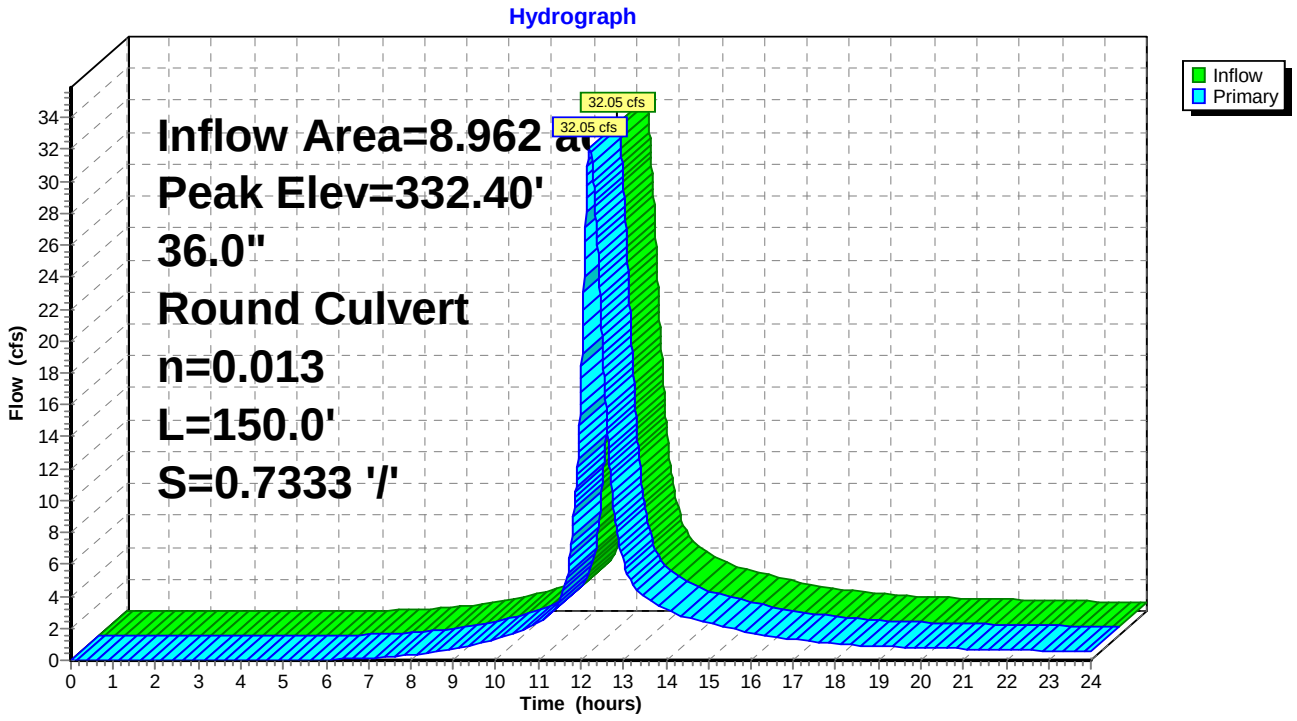
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 4.84" for 50-Year event
Inflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af
Outflow = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af, Atten= 0%, Lag= 0.0 min
Primary = 32.05 cfs @ 12.21 hrs, Volume= 3.611 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.40' @ 12.21 hrs
Flood Elev= 335.00'

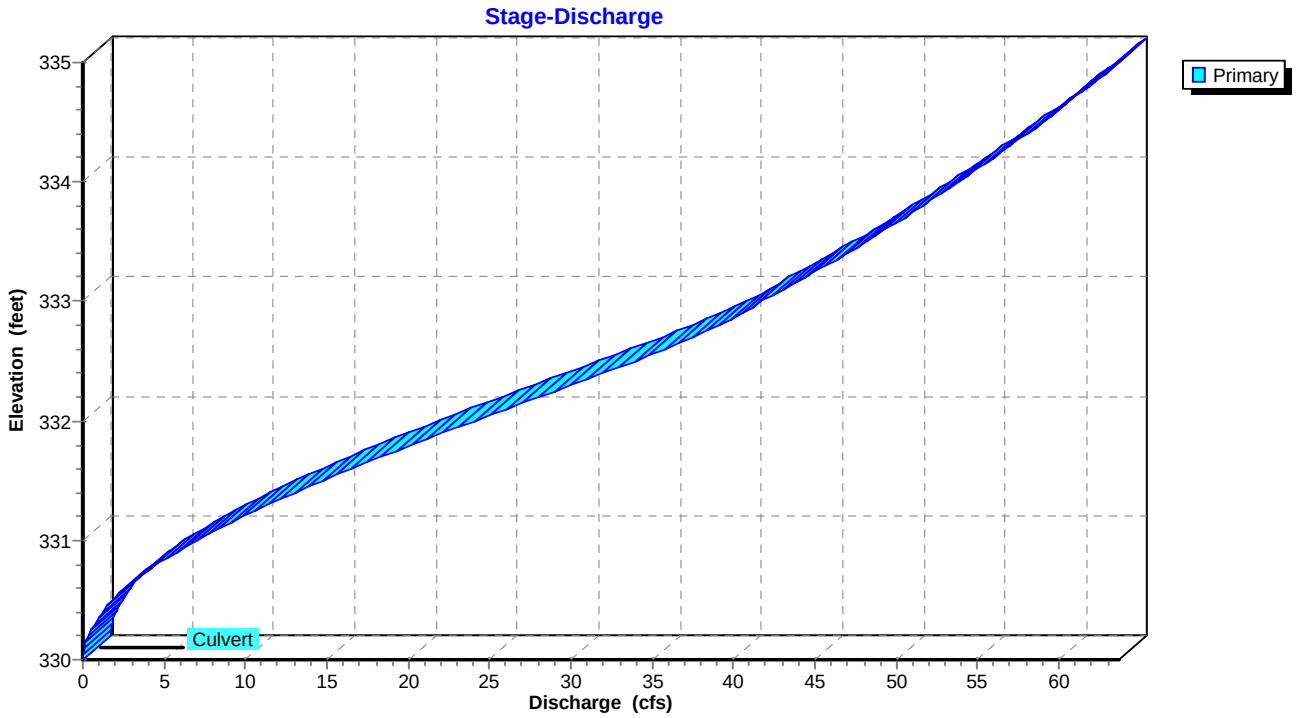
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=32.05 cfs @ 12.21 hrs HW=332.40' TW=0.00' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 32.05 cfs @ 5.28 fps)

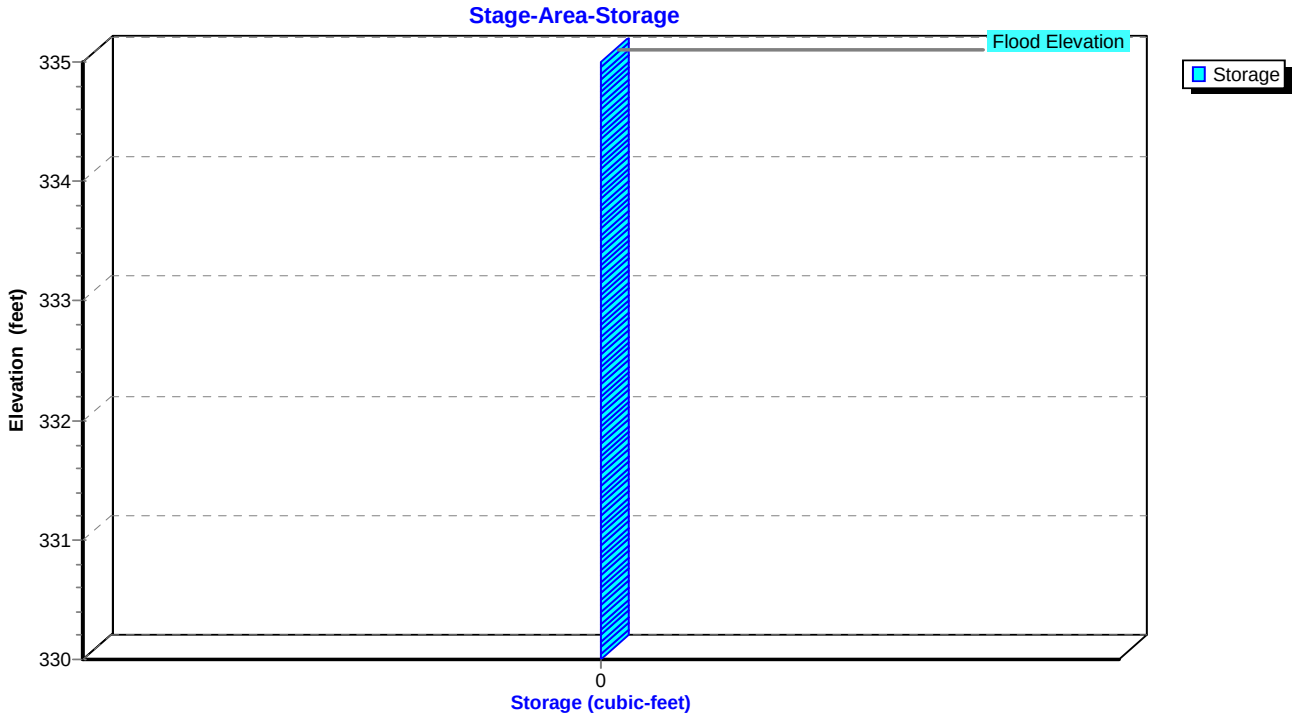
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.00	0.00
5.50	0.00	330.02	0.00
6.00	0.02	330.06	0.02
6.50	0.07	330.09	0.07
7.00	0.14	330.13	0.14
7.50	0.23	330.17	0.23
8.00	0.34	330.21	0.34
8.50	0.49	330.25	0.49
9.00	0.71	330.31	0.71
9.50	0.98	330.36	0.98
10.00	1.29	330.41	1.29
10.50	1.74	330.48	1.74
11.00	2.36	330.56	2.36
11.50	3.75	330.72	3.75
12.00	**16.82**	**331.62**	**16.82**
12.50	**20.27**	**331.80**	**20.27**
13.00	6.19	330.94	6.19
13.50	3.92	330.73	3.92
14.00	3.18	330.66	3.18
14.50	2.68	330.60	2.68
15.00	2.35	330.56	2.35
15.50	2.02	330.52	2.02
16.00	1.69	330.48	1.69
16.50	1.45	330.44	1.45
17.00	1.30	330.42	1.30
17.50	1.16	330.39	1.16
18.00	1.01	330.37	1.01
18.50	0.92	330.35	0.92
19.00	0.87	330.34	0.87
19.50	0.83	330.33	0.83
20.00	0.79	330.32	0.79
20.50	0.75	330.31	0.75
21.00	0.72	330.31	0.72
21.50	0.68	330.30	0.68
22.00	0.65	330.29	0.65
22.50	0.62	330.28	0.62
23.00	0.58	330.28	0.58
23.50	0.55	330.27	0.55
24.00	0.52	330.26	0.52

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

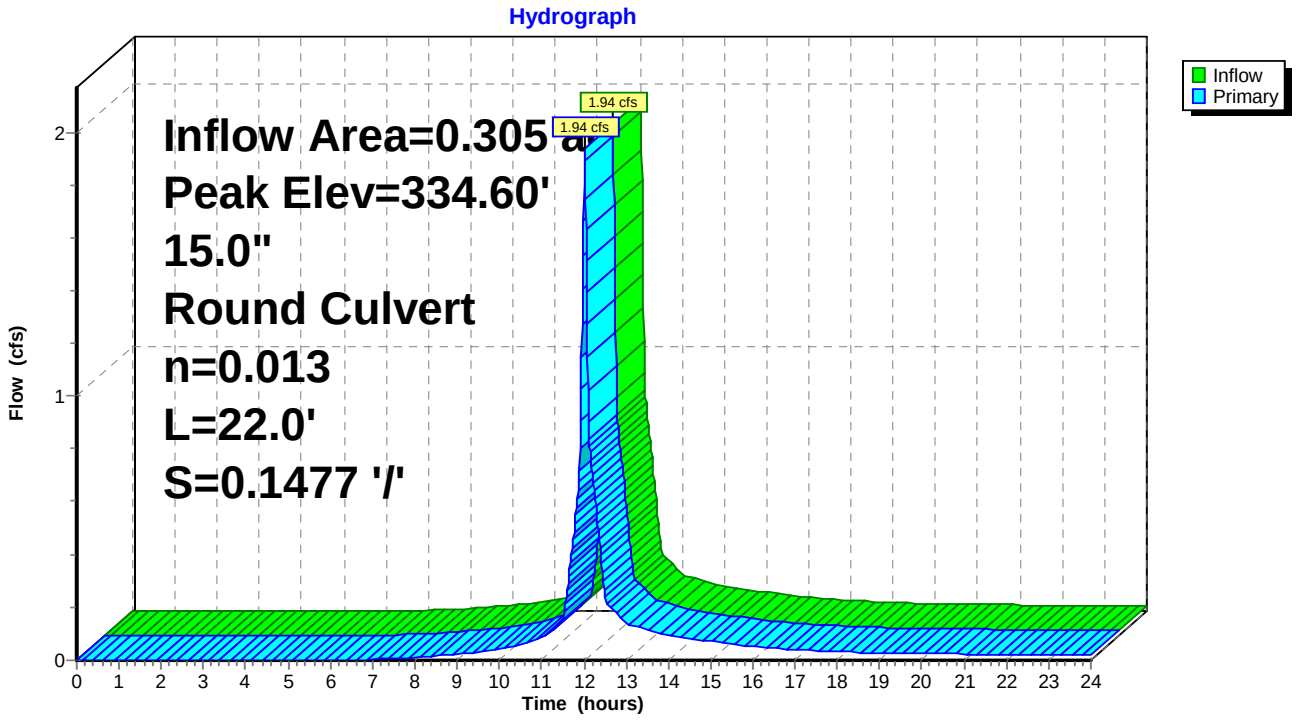
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af
Outflow = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af, Atten= 0%, Lag= 0.0 min
Primary = 1.94 cfs @ 12.02 hrs, Volume= 0.116 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.60' @ 12.02 hrs
Flood Elev= 336.50'

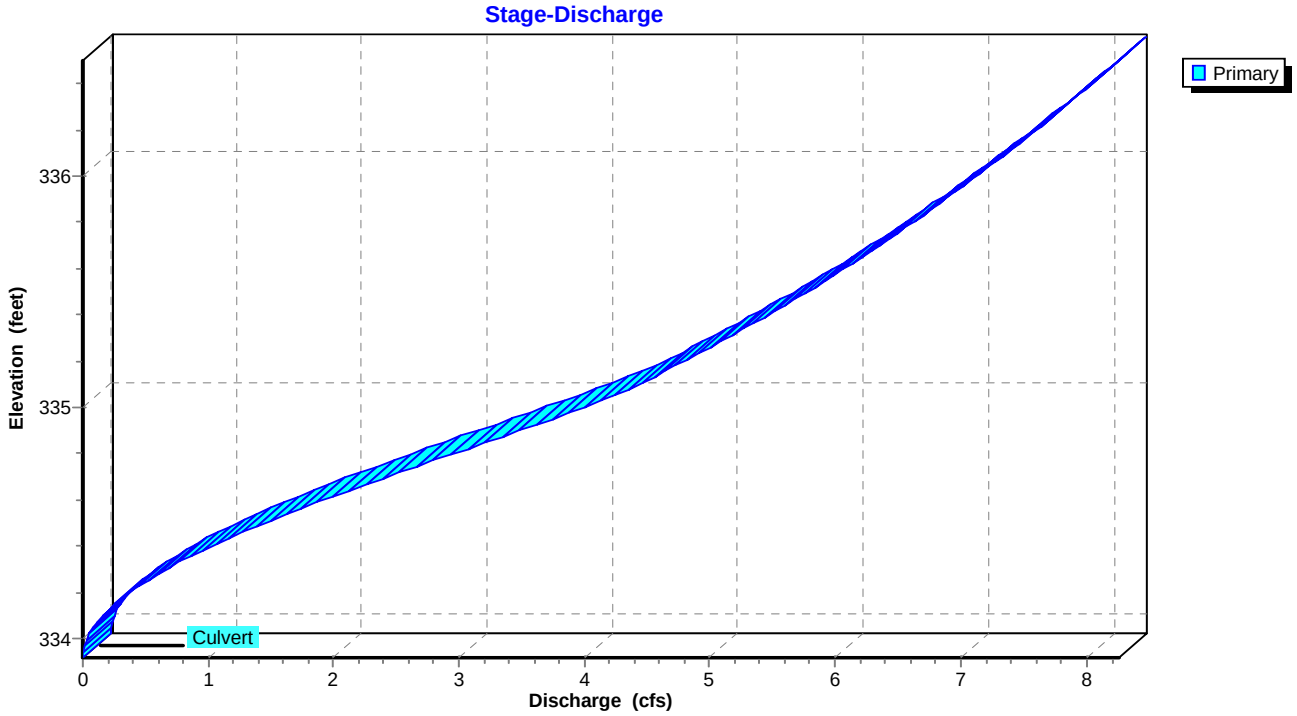
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.93 cfs @ 12.02 hrs HW=334.60' TW=331.69' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 1.93 cfs @ 2.81 fps)

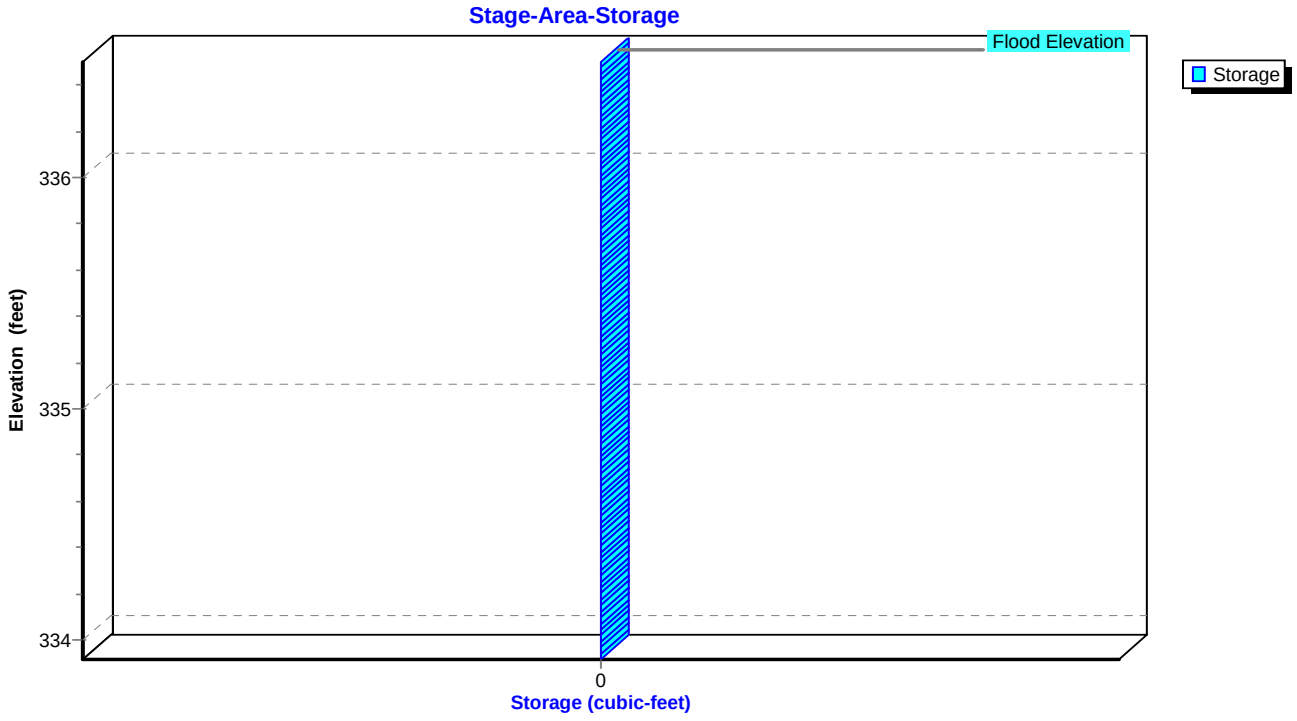
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.92	0.00
6.50	0.00	333.93	0.00
7.00	0.00	333.95	0.00
7.50	0.01	333.95	0.01
8.00	0.01	333.96	0.01
8.50	0.02	333.98	0.02
9.00	0.02	333.99	0.02
9.50	0.03	334.00	0.03
10.00	0.04	334.01	0.04
10.50	0.06	334.03	0.06
11.00	0.08	334.05	0.08
11.50	0.15	334.10	0.15
12.00	**1.81**	**334.58**	**1.81**
12.50	**0.24**	**334.15**	**0.24**
13.00	0.14	334.09	0.14
13.50	0.12	334.07	0.12
14.00	0.09	334.06	0.09
14.50	0.08	334.05	0.08
15.00	0.07	334.04	0.07
15.50	0.06	334.03	0.06
16.00	0.05	334.02	0.05
16.50	0.05	334.02	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.01	0.04
18.00	0.03	334.00	0.03
18.50	0.03	334.00	0.03
19.00	0.03	334.00	0.03
19.50	0.03	333.99	0.03
20.00	0.03	333.99	0.03
20.50	0.02	333.99	0.02
21.00	0.02	333.99	0.02
21.50	0.02	333.99	0.02
22.00	0.02	333.99	0.02
22.50	0.02	333.98	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

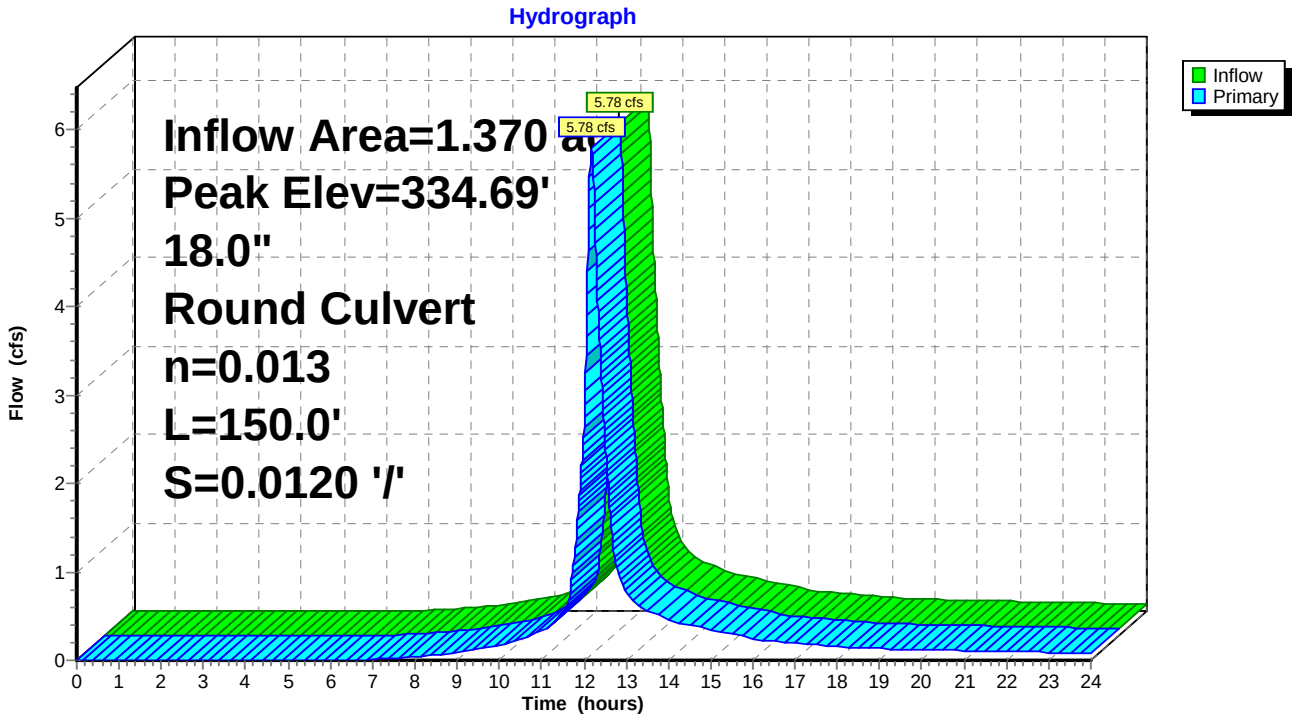
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 4.57" for 50-Year event
Inflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af
Outflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af, Atten= 0%, Lag= 0.0 min
Primary = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.69' @ 12.18 hrs
Flood Elev= 337.00'

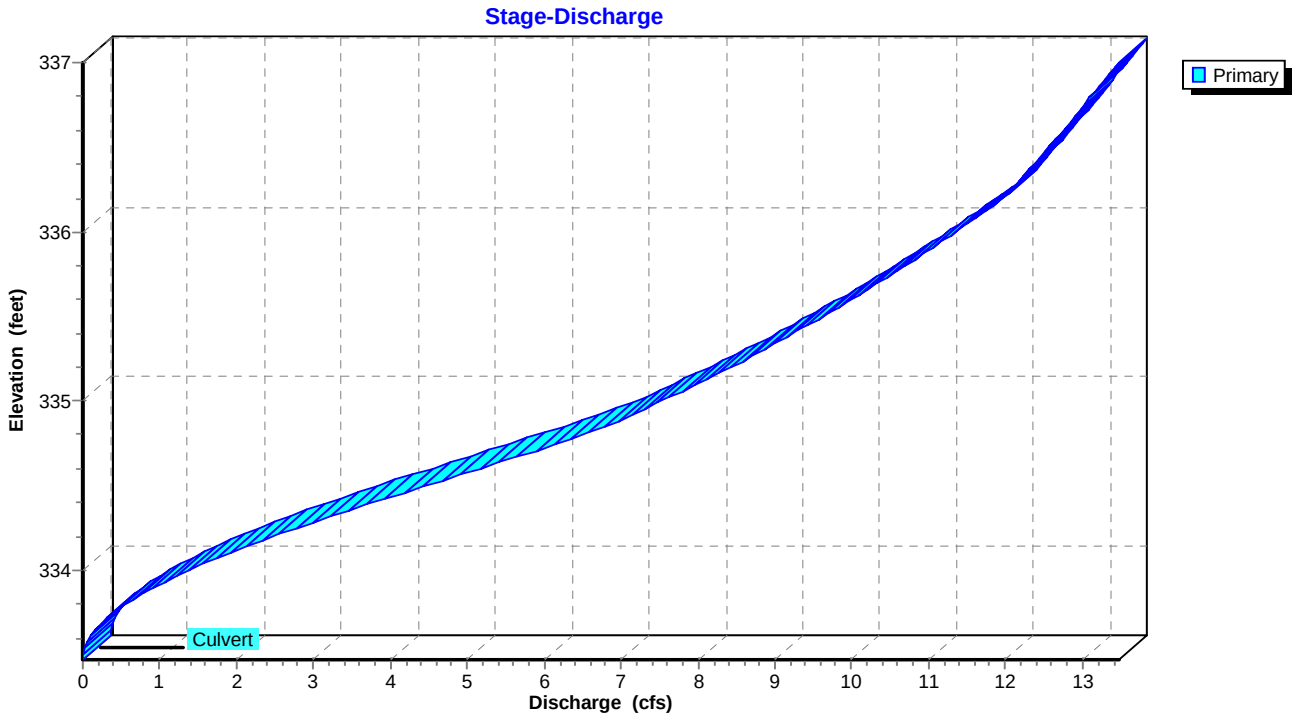
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.78 cfs @ 12.18 hrs HW=334.69' TW=332.39' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.78 cfs @ 3.76 fps)

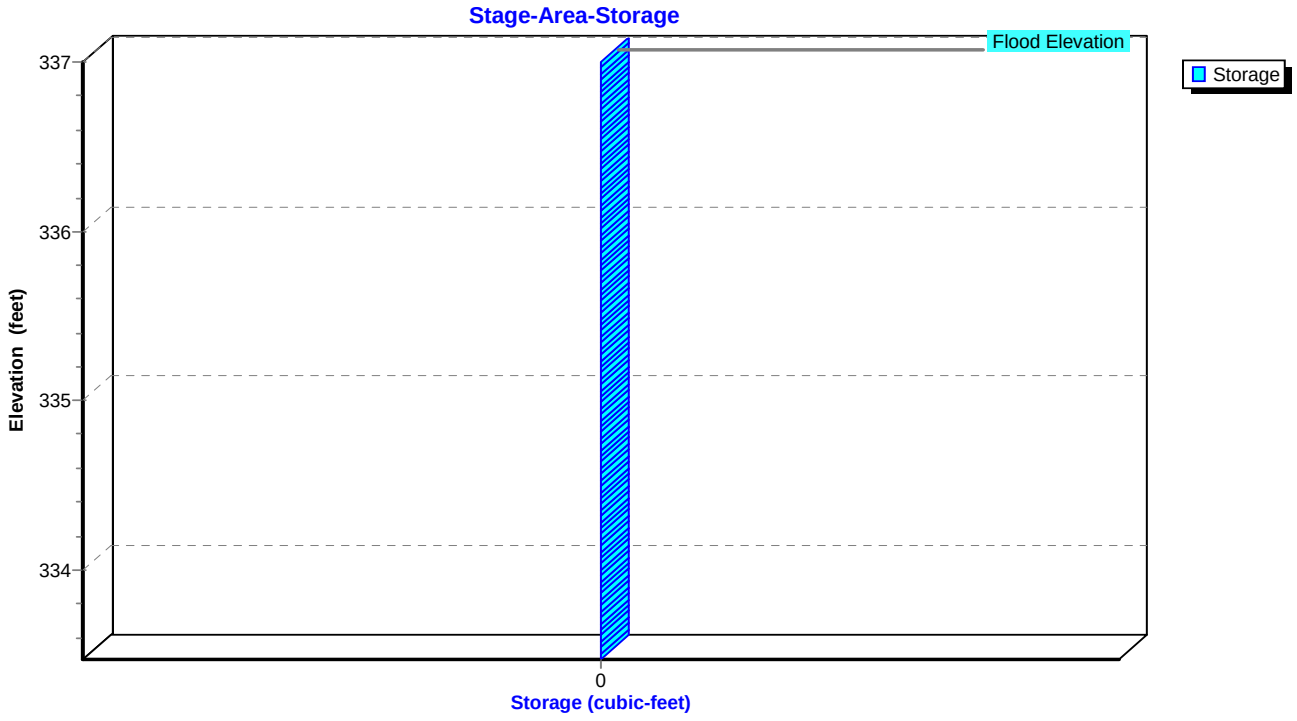
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.00	333.49	0.00
7.00	0.01	333.52	0.01
7.50	0.02	333.54	0.02
8.00	0.04	333.55	0.04
8.50	0.06	333.57	0.06
9.00	0.09	333.60	0.09
9.50	0.13	333.62	0.13
10.00	0.17	333.65	0.17
10.50	0.24	333.68	0.24
11.00	0.33	333.72	0.33
11.50	0.55	333.80	0.55
12.00	**2.63**	**334.22**	**2.63**
12.50	**2.52**	**334.21**	**2.52**
13.00	0.78	333.86	0.78
13.50	0.56	333.80	0.56
14.00	0.46	333.77	0.46
14.50	0.39	333.74	0.39
15.00	0.34	333.73	0.34
15.50	0.30	333.71	0.30
16.00	0.25	333.69	0.25
16.50	0.21	333.67	0.21
17.00	0.19	333.66	0.19
17.50	0.17	333.65	0.17
18.00	0.15	333.64	0.15
18.50	0.14	333.63	0.14
19.00	0.13	333.63	0.13
19.50	0.12	333.62	0.12
20.00	0.12	333.62	0.12
20.50	0.11	333.61	0.11
21.00	0.11	333.61	0.11
21.50	0.10	333.61	0.10
22.00	0.10	333.60	0.10
22.50	0.09	333.60	0.09
23.00	0.09	333.60	0.09
23.50	0.08	333.59	0.08
24.00	0.08	333.59	0.08

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)
333.47	**0**
333.52	0
333.57	0
333.62	0
333.67	0
333.72	0
333.77	0
333.82	0
333.87	0
333.92	0
333.97	0
334.02	0
334.07	0
334.12	0
334.17	0
334.22	0
334.27	0
334.32	0
334.37	0
334.42	0
334.47	0
334.52	0
334.57	0
334.62	0
334.67	0
334.72	0
334.77	0
334.82	0
334.87	0
334.92	0
334.97	0
335.02	0
335.07	0
335.12	0
335.17	0
335.22	0
335.27	0
335.32	0
335.37	0
335.42	0
335.47	0
335.52	0
335.57	0
335.62	0
335.67	0
335.72	0
335.77	0
335.82	0
335.87	0
335.92	0
335.97	0

Elevation (feet)	Storage (cubic-feet)
336.02	0
336.07	0
336.12	0
336.17	0
336.22	0
336.27	0
336.32	0
336.37	0
336.42	0
336.47	0
336.52	0
336.57	0
336.62	0
336.67	0
336.72	0
336.77	0
336.82	0
336.87	0
336.92	0
336.97	0

Summary for Pond CB6-1: CB1-1

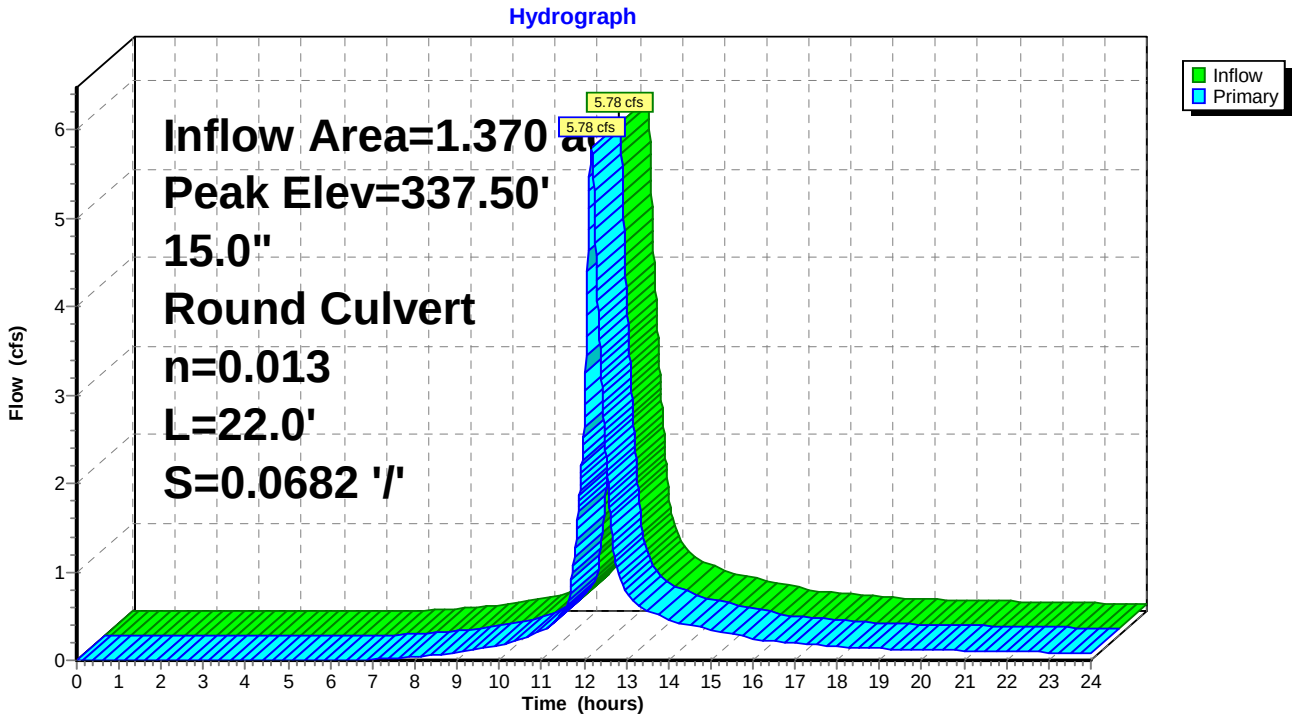
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 4.57" for 50-Year event
Inflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af
Outflow = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af, Atten= 0%, Lag= 0.0 min
Primary = 5.78 cfs @ 12.18 hrs, Volume= 0.522 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.50' @ 12.18 hrs
Flood Elev= 338.50'

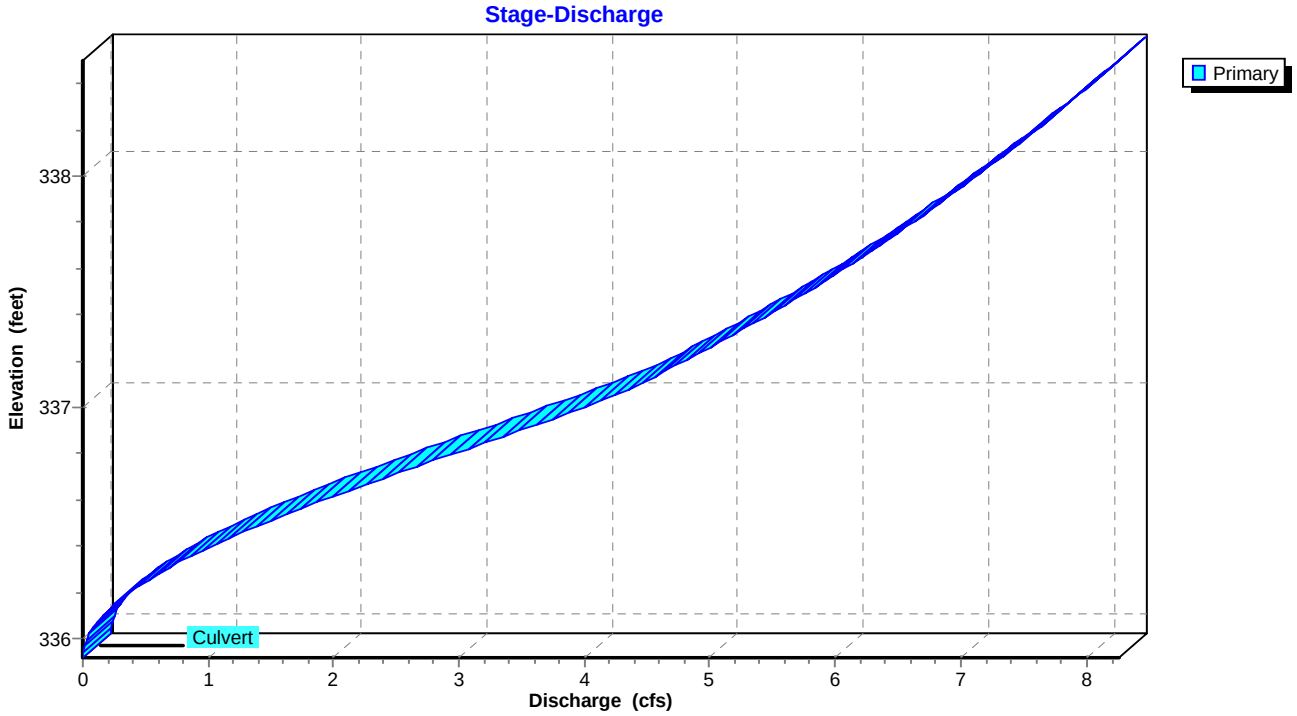
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.78 cfs @ 12.18 hrs HW=337.50' TW=334.69' (Dynamic Tailwater)
1=Culvert (Inlet Controls 5.78 cfs @ 4.71 fps)

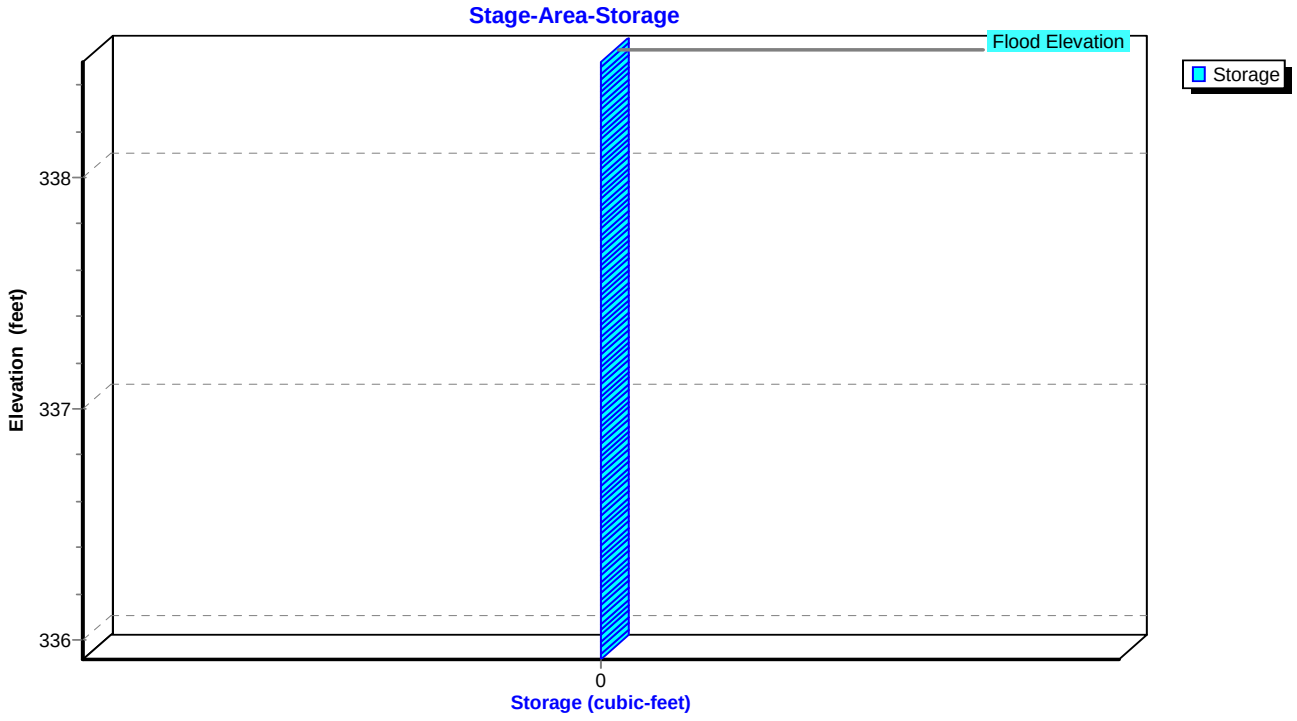
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.00	335.94	0.00
7.00	0.01	335.96	0.01
7.50	0.02	335.99	0.02
8.00	0.04	336.01	0.04
8.50	0.06	336.03	0.06
9.00	0.09	336.05	0.09
9.50	0.13	336.08	0.13
10.00	0.17	336.11	0.17
10.50	0.24	336.14	0.24
11.00	0.33	336.18	0.33
11.50	0.55	336.27	0.55
12.00	**2.63**	**336.74**	**2.63**
12.50	**2.52**	**336.72**	**2.52**
13.00	0.78	336.33	0.78
13.50	0.56	336.27	0.56
14.00	0.46	336.23	0.46
14.50	0.39	336.21	0.39
15.00	0.34	336.19	0.34
15.50	0.30	336.17	0.30
16.00	0.25	336.15	0.25
16.50	0.21	336.13	0.21
17.00	0.19	336.12	0.19
17.50	0.17	336.11	0.17
18.00	0.15	336.10	0.15
18.50	0.14	336.09	0.14
19.00	0.13	336.08	0.13
19.50	0.12	336.08	0.12
20.00	0.12	336.07	0.12
20.50	0.11	336.07	0.11
21.00	0.11	336.07	0.11
21.50	0.10	336.06	0.10
22.00	0.10	336.06	0.10
22.50	0.09	336.06	0.09
23.00	0.09	336.05	0.09
23.50	0.08	336.05	0.08
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

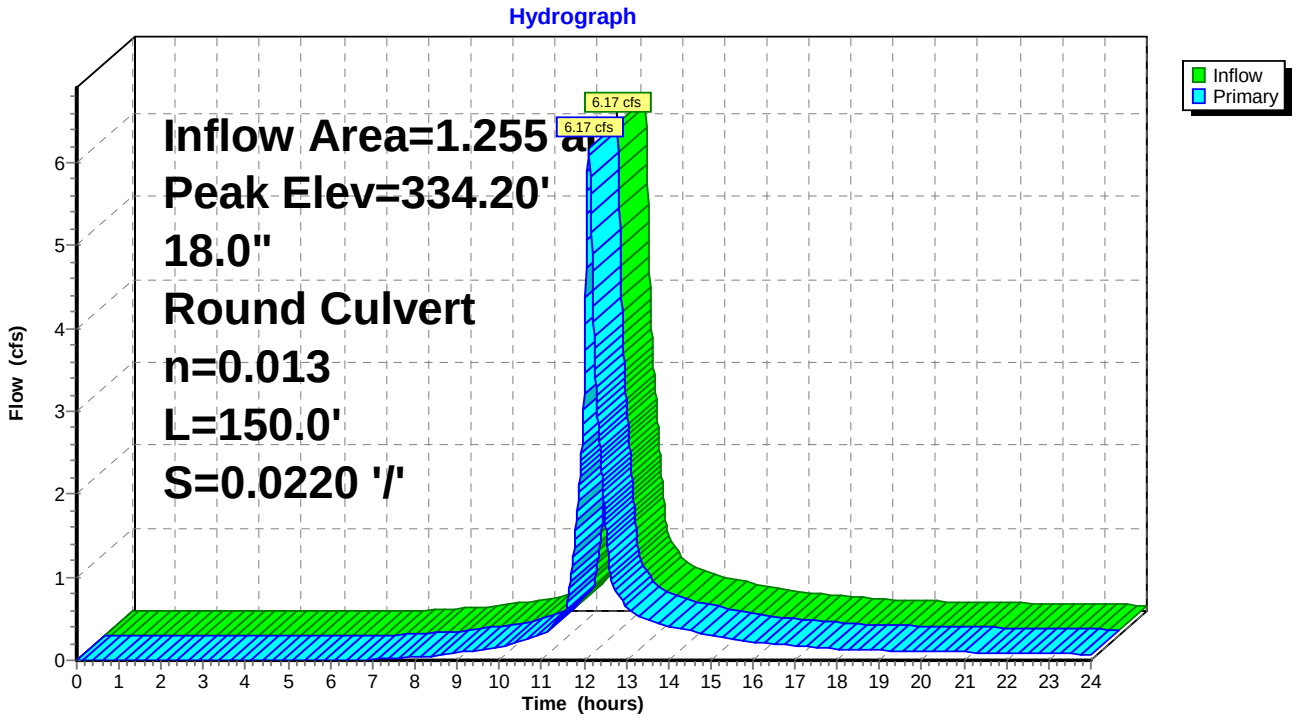
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af
Outflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af, Atten= 0%, Lag= 0.0 min
Primary = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.20' @ 12.12 hrs
Flood Elev= 335.75'

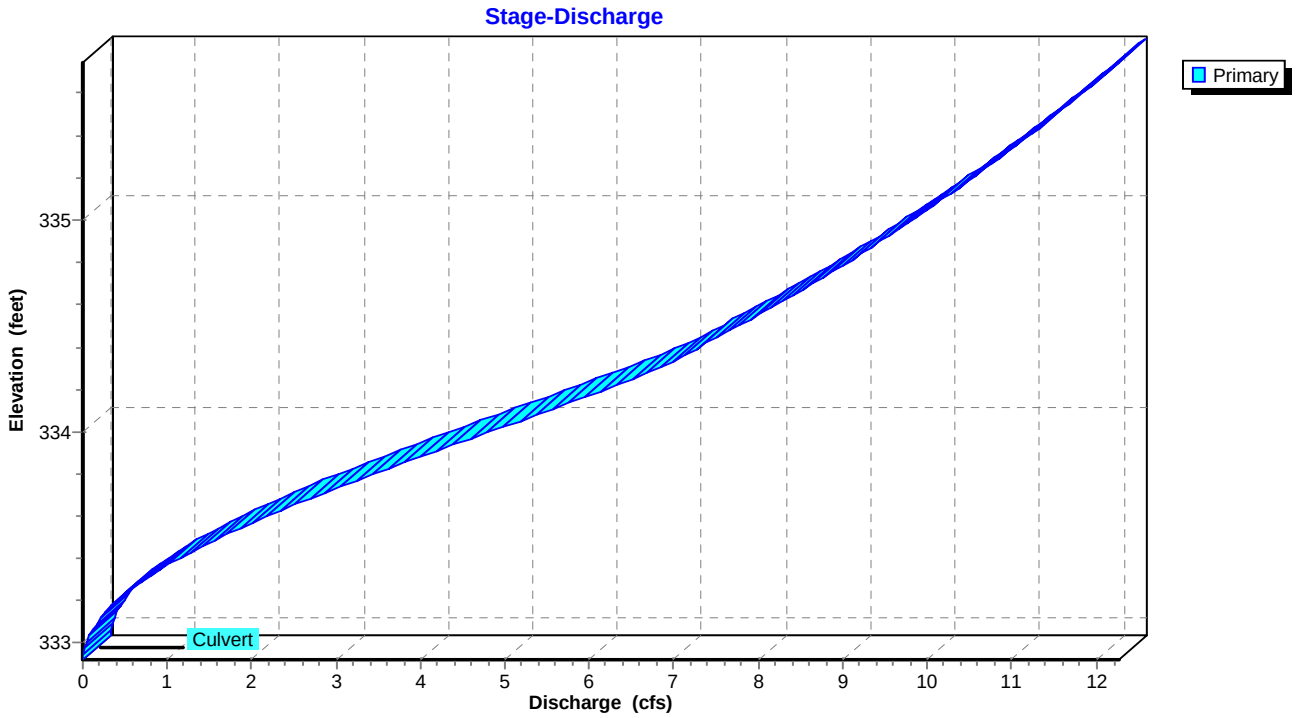
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.16 cfs @ 12.12 hrs HW=334.20' TW=330.99' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.16 cfs @ 3.85 fps)

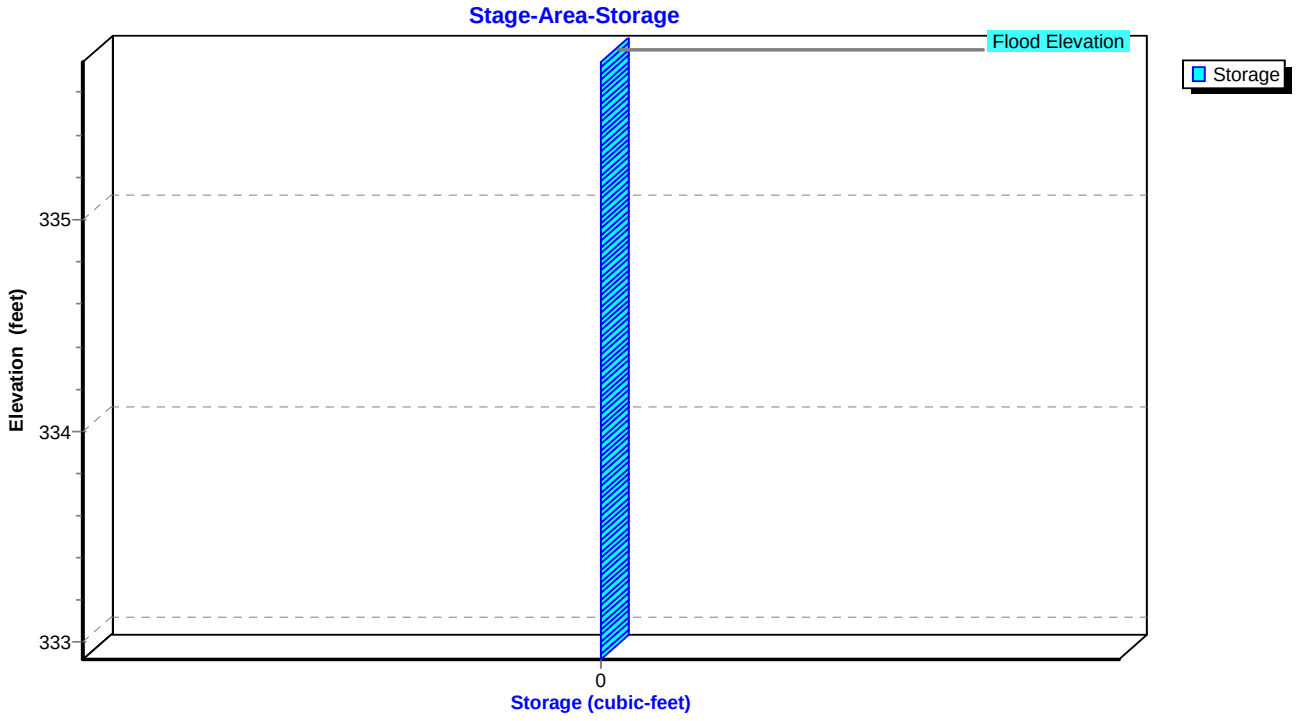
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.00	332.94	0.00
7.00	0.01	332.96	0.01
7.50	0.02	332.98	0.02
8.00	0.04	333.00	0.04
8.50	0.06	333.02	0.06
9.00	0.09	333.05	0.09
9.50	0.12	333.07	0.12
10.00	0.16	333.10	0.16
10.50	0.23	333.13	0.23
11.00	0.32	333.17	0.32
11.50	0.55	333.25	0.55
12.00	**3.22**	**333.77**	**3.22**
12.50	**1.76**	**333.52**	**1.76**
13.00	0.65	333.28	0.65
13.50	0.50	333.23	0.50
14.00	0.41	333.20	0.41
14.50	0.35	333.18	0.35
15.00	0.31	333.16	0.31
15.50	0.26	333.14	0.26
16.00	0.22	333.12	0.22
16.50	0.19	333.11	0.19
17.00	0.17	333.10	0.17
17.50	0.15	333.09	0.15
18.00	0.13	333.08	0.13
18.50	0.12	333.07	0.12
19.00	0.12	333.07	0.12
19.50	0.11	333.06	0.11
20.00	0.11	333.06	0.11
20.50	0.10	333.06	0.10
21.00	0.10	333.05	0.10
21.50	0.09	333.05	0.09
22.00	0.09	333.05	0.09
22.50	0.08	333.04	0.08
23.00	0.08	333.04	0.08
23.50	0.07	333.04	0.07
24.00	0.07	333.03	0.07

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

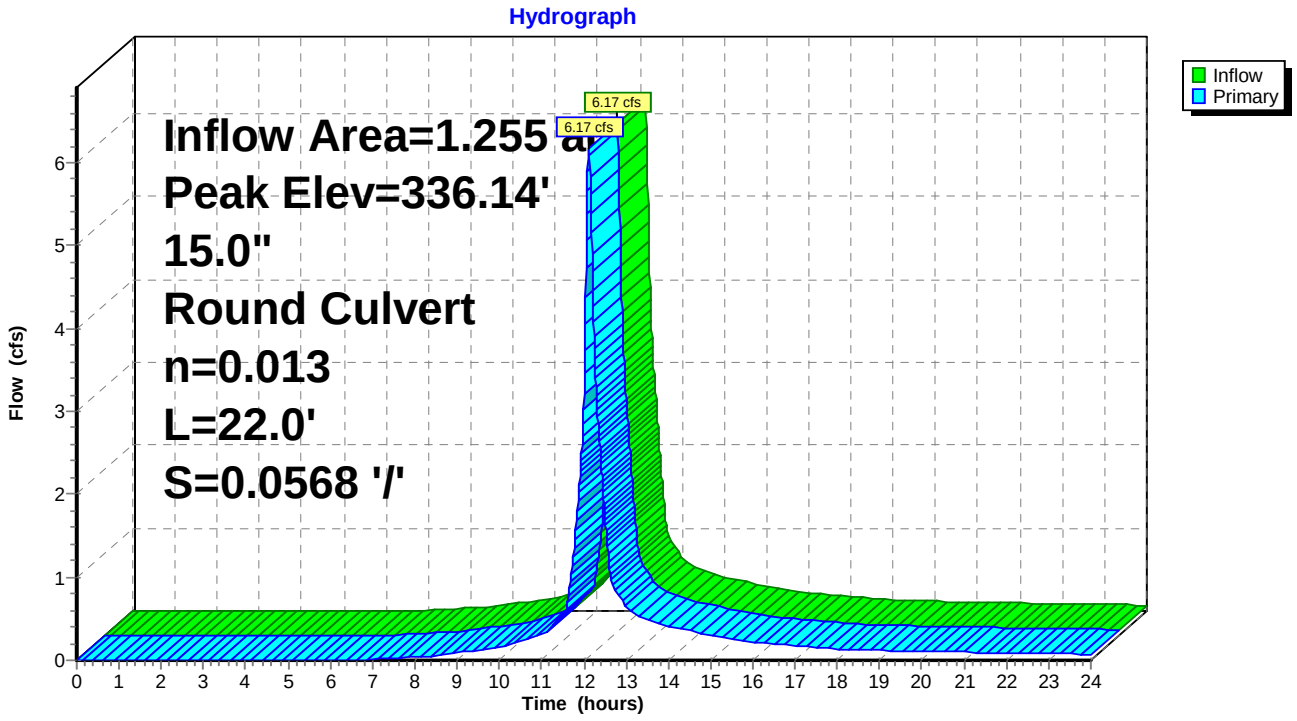
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 4.58" for 50-Year event
Inflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af
Outflow = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af, Atten= 0%, Lag= 0.0 min
Primary = 6.17 cfs @ 12.12 hrs, Volume= 0.479 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.14' @ 12.12 hrs
Flood Elev= 337.00'

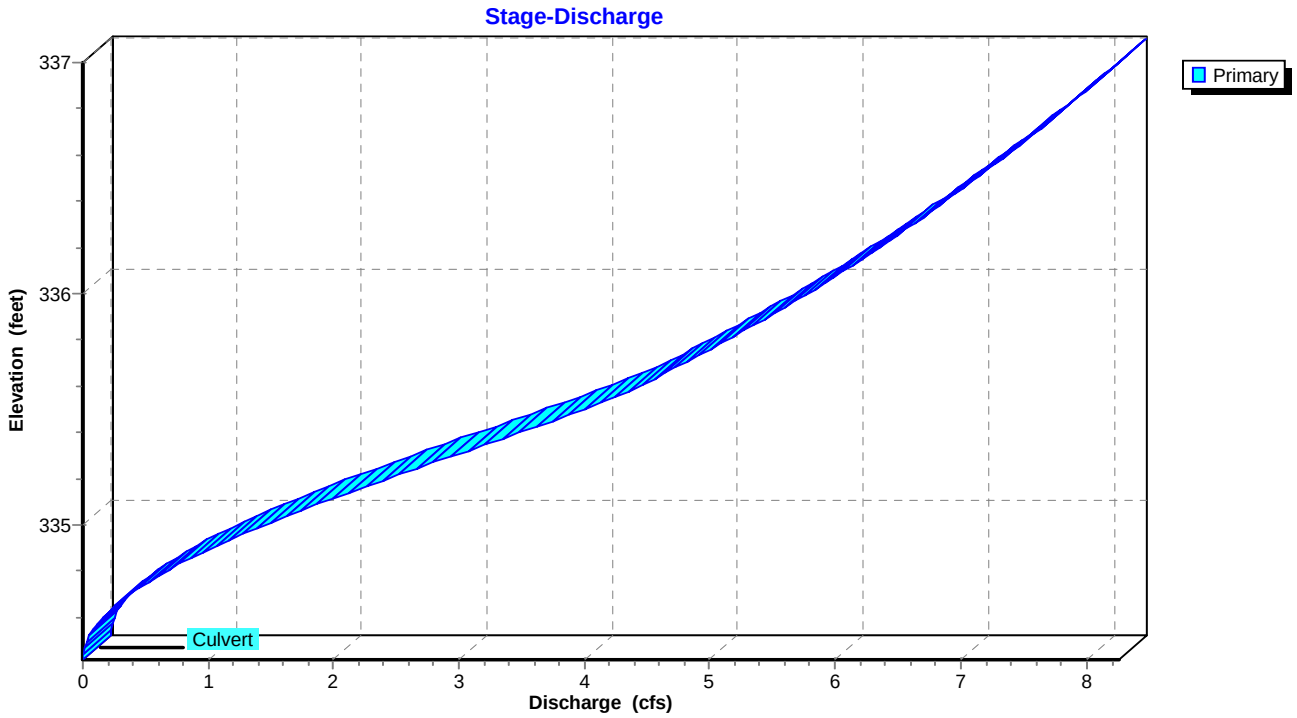
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.16 cfs @ 12.12 hrs HW=336.13' TW=334.20' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.16 cfs @ 5.02 fps)

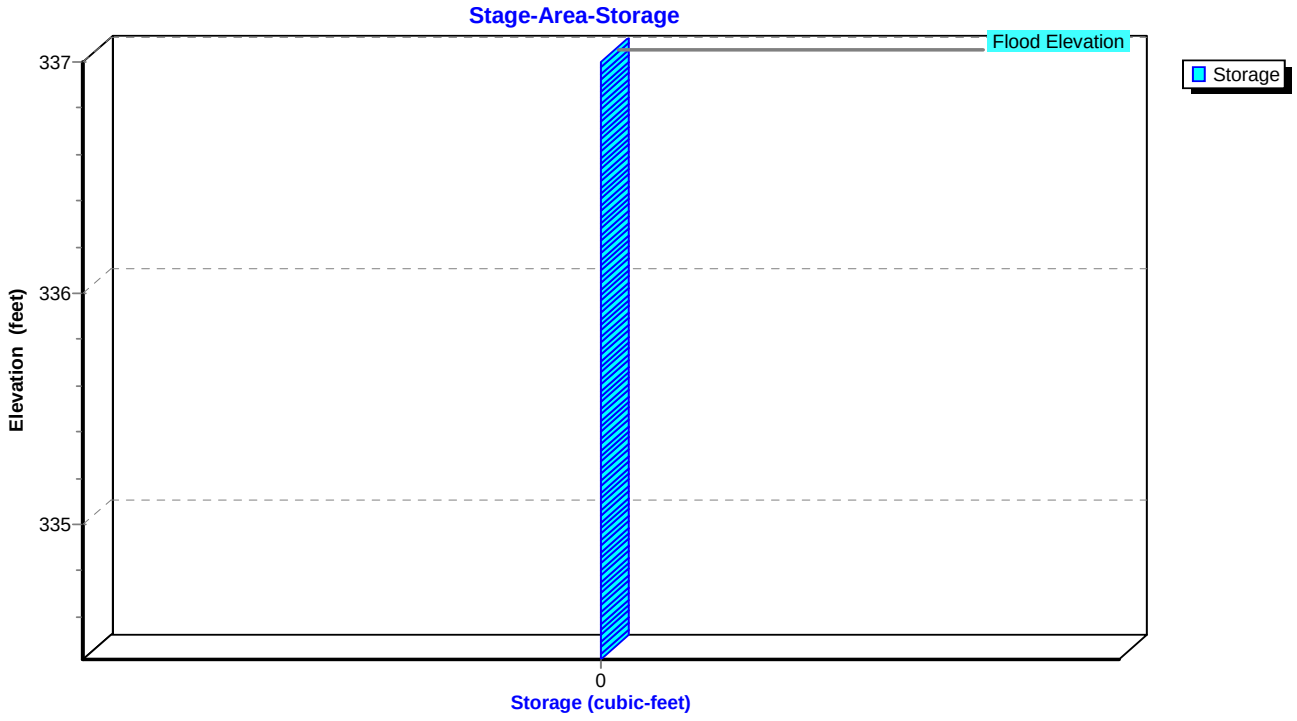
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.00	334.44	0.00
7.00	0.01	334.47	0.01
7.50	0.02	334.49	0.02
8.00	0.04	334.51	0.04
8.50	0.06	334.53	0.06
9.00	0.09	334.55	0.09
9.50	0.12	334.58	0.12
10.00	0.16	334.60	0.16
10.50	0.23	334.64	0.23
11.00	0.32	334.68	0.32
11.50	0.55	334.77	0.55
12.00	**3.22**	**335.35**	**3.22**
12.50	**1.76**	**335.07**	**1.76**
13.00	0.65	334.80	0.65
13.50	0.50	334.75	0.50
14.00	0.41	334.71	0.41
14.50	0.35	334.69	0.35
15.00	0.31	334.67	0.31
15.50	0.26	334.65	0.26
16.00	0.22	334.63	0.22
16.50	0.19	334.62	0.19
17.00	0.17	334.61	0.17
17.50	0.15	334.60	0.15
18.00	0.13	334.59	0.13
18.50	0.12	334.58	0.12
19.00	0.12	334.58	0.12
19.50	0.11	334.57	0.11
20.00	0.11	334.57	0.11
20.50	0.10	334.56	0.10
21.00	0.10	334.56	0.10
21.50	0.09	334.56	0.09
22.00	0.09	334.55	0.09
22.50	0.08	334.55	0.08
23.00	0.08	334.55	0.08
23.50	0.07	334.54	0.07
24.00	0.07	334.54	0.07

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

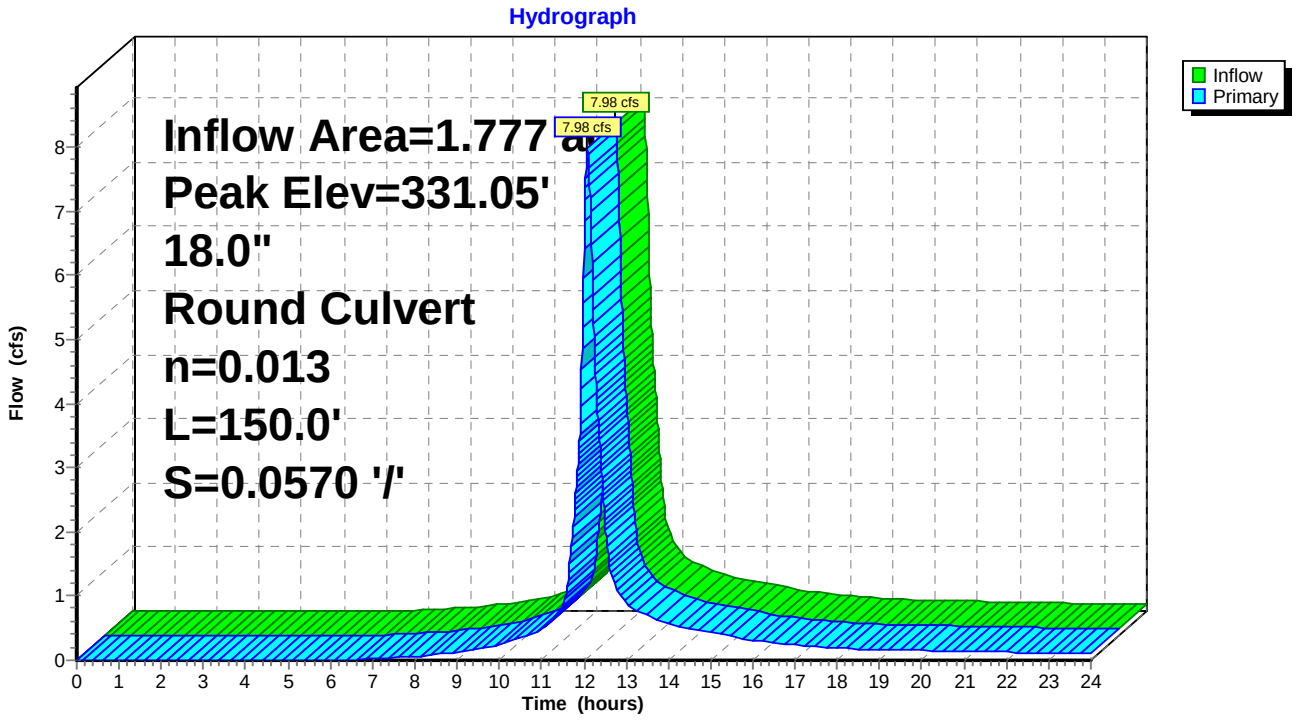
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 4.64" for 50-Year event
Inflow = 7.98 cfs @ 12.09 hrs, Volume= 0.688 af
Outflow = 7.98 cfs @ 12.09 hrs, Volume= 0.688 af, Atten= 0%, Lag= 0.0 min
Primary = 7.98 cfs @ 12.09 hrs, Volume= 0.688 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.05' @ 12.09 hrs
Flood Elev= 332.25'

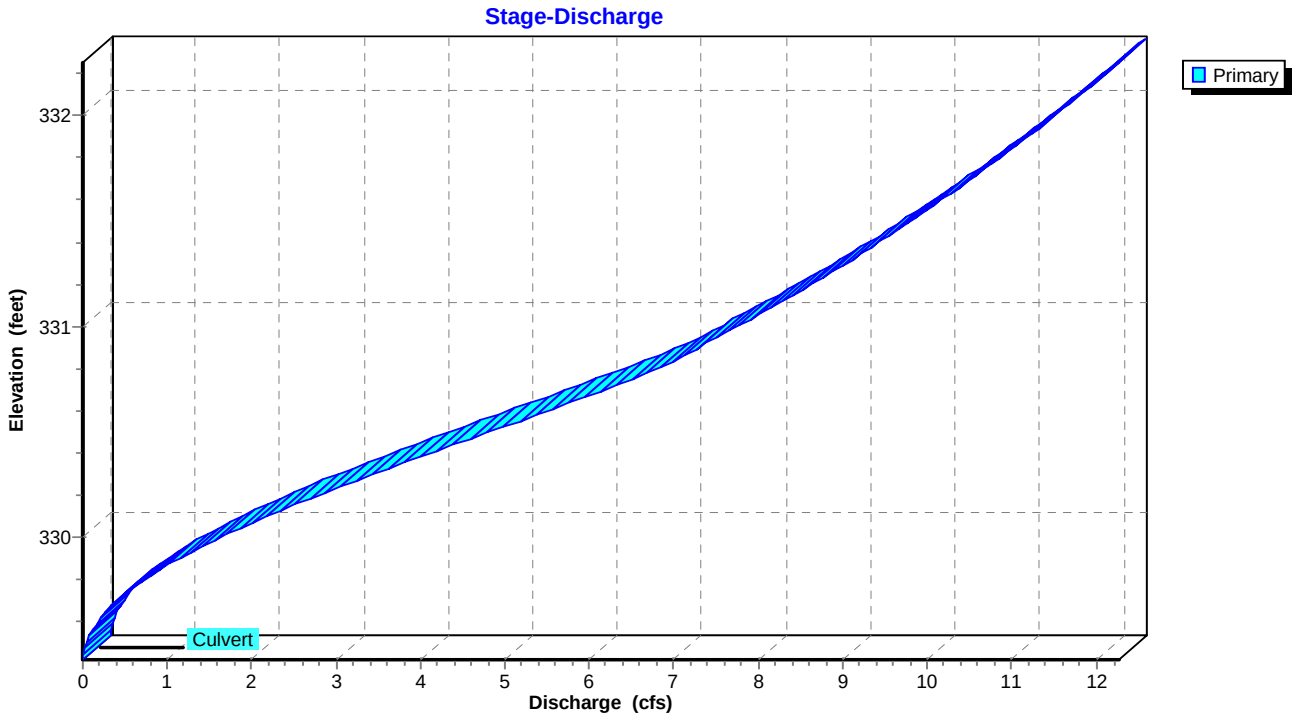
Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=7.97 cfs @ 12.09 hrs HW=331.05' TW=322.39' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 7.97 cfs @ 4.51 fps)

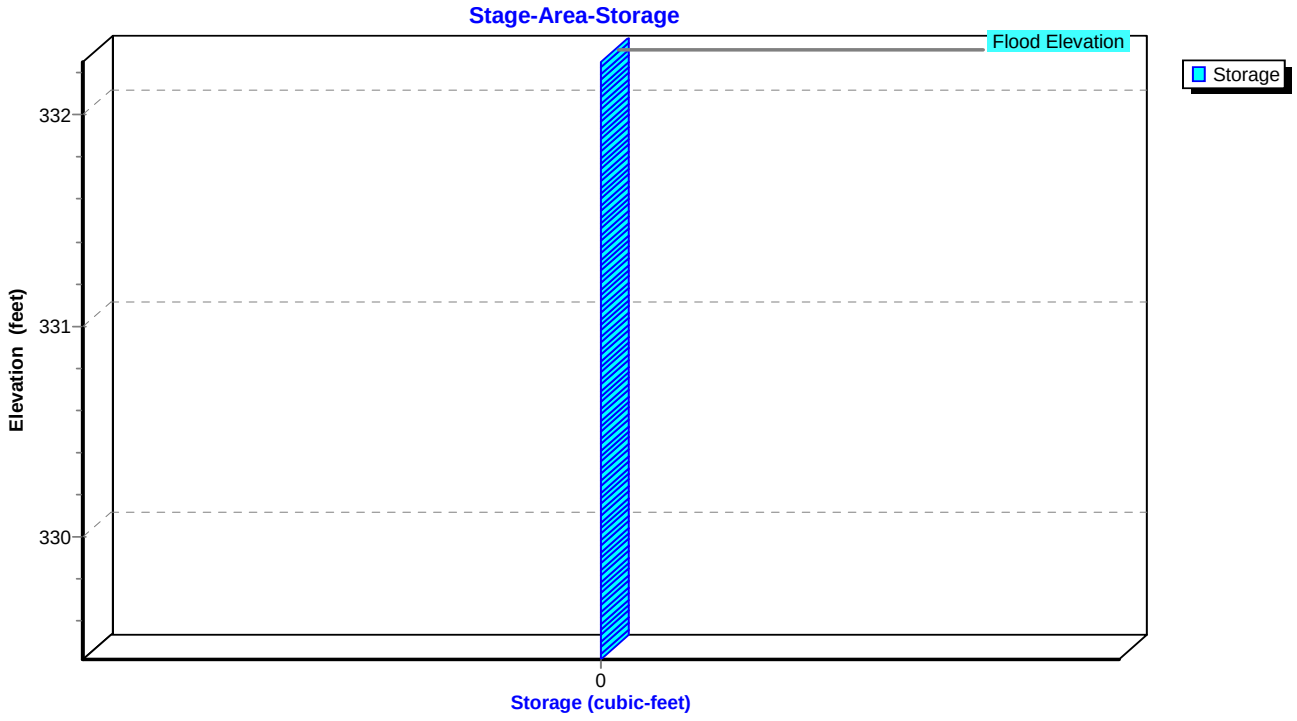
Pond CB8: Catchbasin



Pond CB8: Catchbasin



Pond CB8: Catchbasin



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.42	0.00
6.00	0.00	329.44	0.00
6.50	0.01	329.46	0.01
7.00	0.02	329.48	0.02
7.50	0.04	329.50	0.04
8.00	0.06	329.52	0.06
8.50	0.09	329.55	0.09
9.00	0.13	329.58	0.13
9.50	0.19	329.61	0.19
10.00	0.25	329.64	0.25
10.50	0.35	329.68	0.35
11.00	0.47	329.72	0.47
11.50	0.83	329.82	0.83
12.00	**6.41**	**330.74**	**6.41**
12.50	**2.19**	**330.10**	**2.19**
13.00	0.90	329.84	0.90
13.50	0.70	329.79	0.70
14.00	0.57	329.75	0.57
14.50	0.50	329.73	0.50
15.00	0.43	329.71	0.43
15.50	0.37	329.69	0.37
16.00	0.31	329.66	0.31
16.50	0.27	329.65	0.27
17.00	0.24	329.63	0.24
17.50	0.22	329.62	0.22
18.00	0.19	329.61	0.19
18.50	0.18	329.60	0.18
19.00	0.17	329.60	0.17
19.50	0.16	329.59	0.16
20.00	0.15	329.59	0.15
20.50	0.14	329.58	0.14
21.00	0.14	329.58	0.14
21.50	0.13	329.58	0.13
22.00	0.12	329.57	0.12
22.50	0.12	329.57	0.12
23.00	0.11	329.56	0.11
23.50	0.11	329.56	0.11
24.00	0.10	329.56	0.10

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

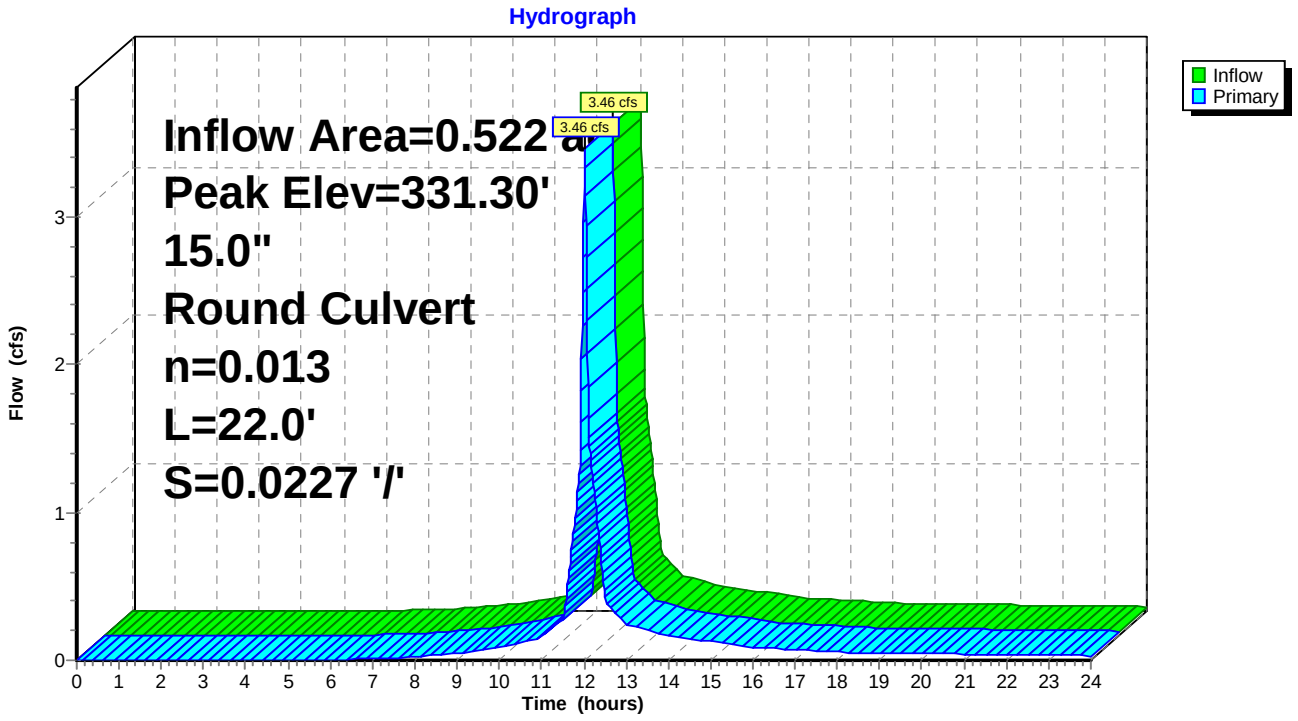
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 4.80" for 50-Year event
Inflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af
Outflow = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af, Atten= 0%, Lag= 0.0 min
Primary = 3.46 cfs @ 12.02 hrs, Volume= 0.209 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.30' @ 12.04 hrs
Flood Elev= 332.80'

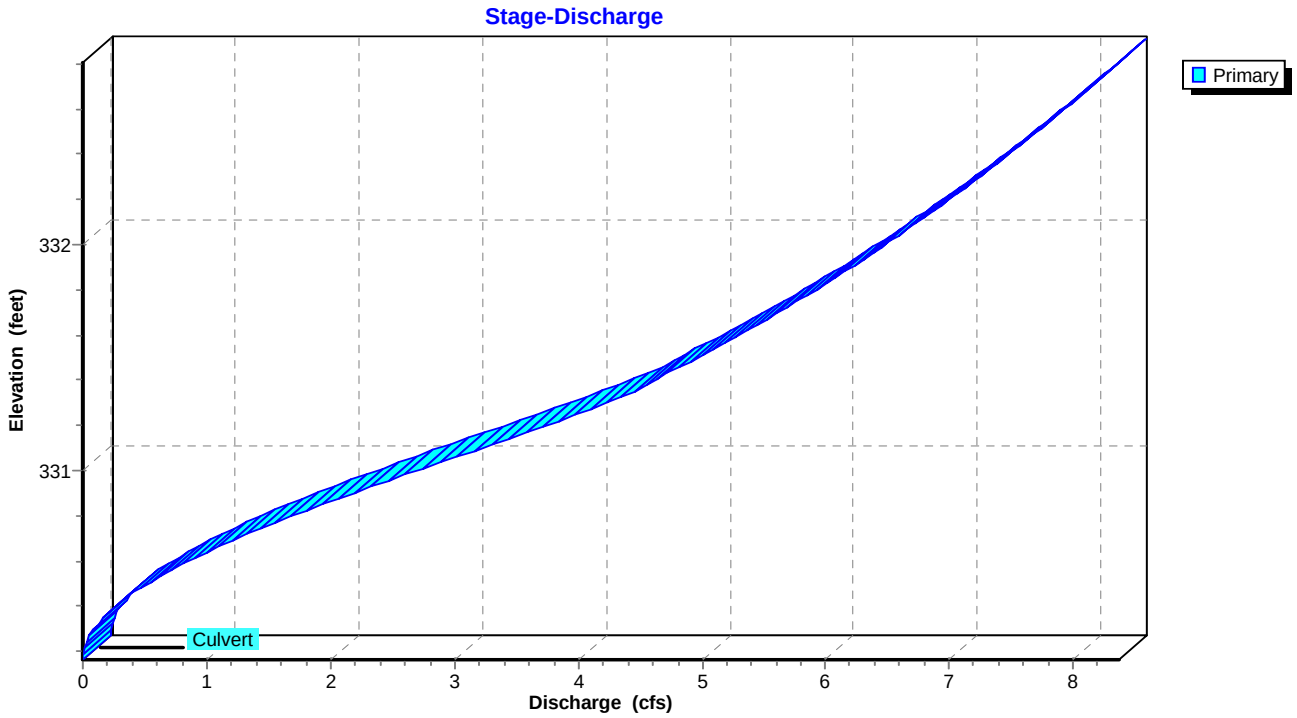
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.20 cfs @ 12.02 hrs HW=331.27' TW=330.86' (Dynamic Tailwater)
1=Culvert (Outlet Controls 3.20 cfs @ 3.72 fps)

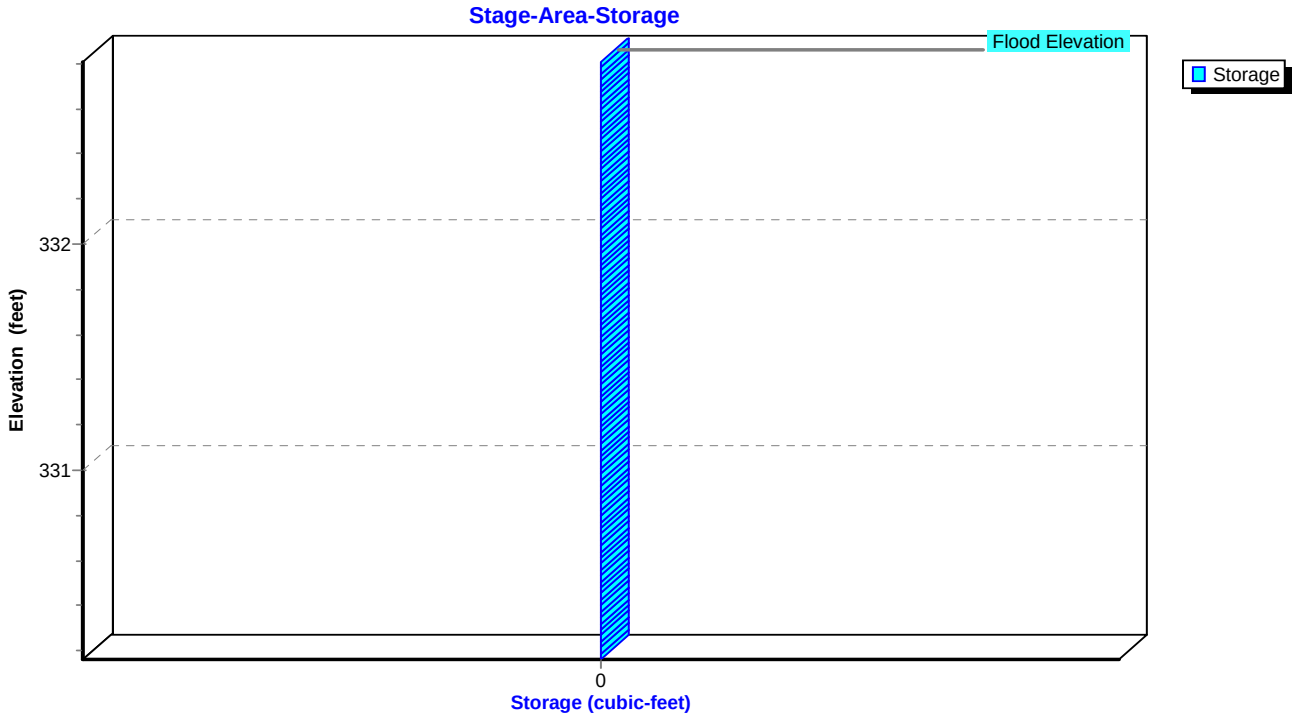
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.17	0.00
6.00	0.00	330.19	0.00
6.50	0.01	330.20	0.01
7.00	0.01	330.21	0.01
7.50	0.02	330.23	0.02
8.00	0.02	330.24	0.02
8.50	0.03	330.25	0.03
9.00	0.05	330.27	0.05
9.50	0.06	330.28	0.06
10.00	0.08	330.30	0.08
10.50	0.12	330.32	0.12
11.00	0.16	330.35	0.16
11.50	0.28	330.41	0.28
12.00	**3.19**	**331.18**	**3.19**
12.50	**0.43**	**330.48**	**0.43**
13.00	0.24	330.40	0.24
13.50	0.20	330.38	0.20
14.00	0.16	330.35	0.16
14.50	0.15	330.34	0.15
15.00	0.13	330.33	0.13
15.50	0.11	330.32	0.11
16.00	0.09	330.30	0.09
16.50	0.08	330.30	0.08
17.00	0.07	330.29	0.07
17.50	0.06	330.28	0.06
18.00	0.05	330.28	0.05
18.50	0.05	330.27	0.05
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.04	330.26	0.04
20.50	0.04	330.26	0.04
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.03	330.25	0.03
23.00	0.03	330.25	0.03
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

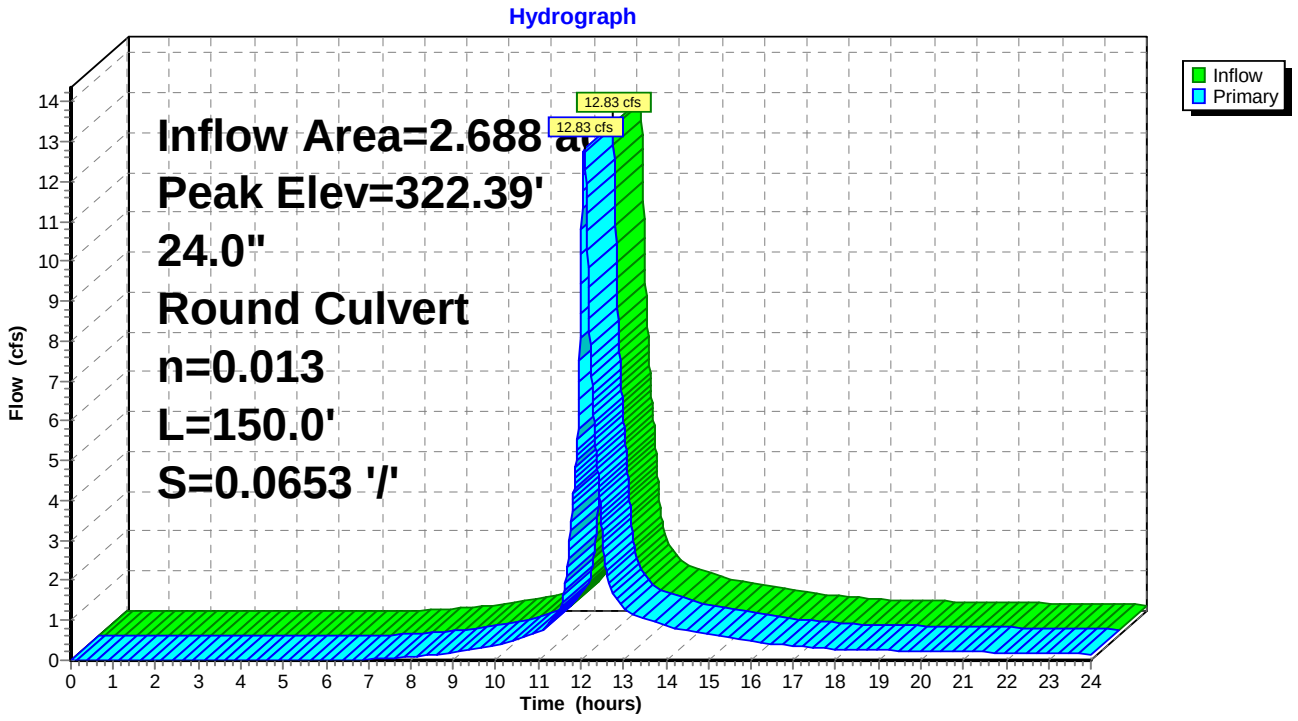
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 4.59" for 50-Year event
Inflow = 12.83 cfs @ 12.08 hrs, Volume= 1.027 af
Outflow = 12.83 cfs @ 12.08 hrs, Volume= 1.027 af, Atten= 0%, Lag= 0.0 min
Primary = 12.83 cfs @ 12.08 hrs, Volume= 1.027 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.39' @ 12.08 hrs
Flood Elev= 338.50'

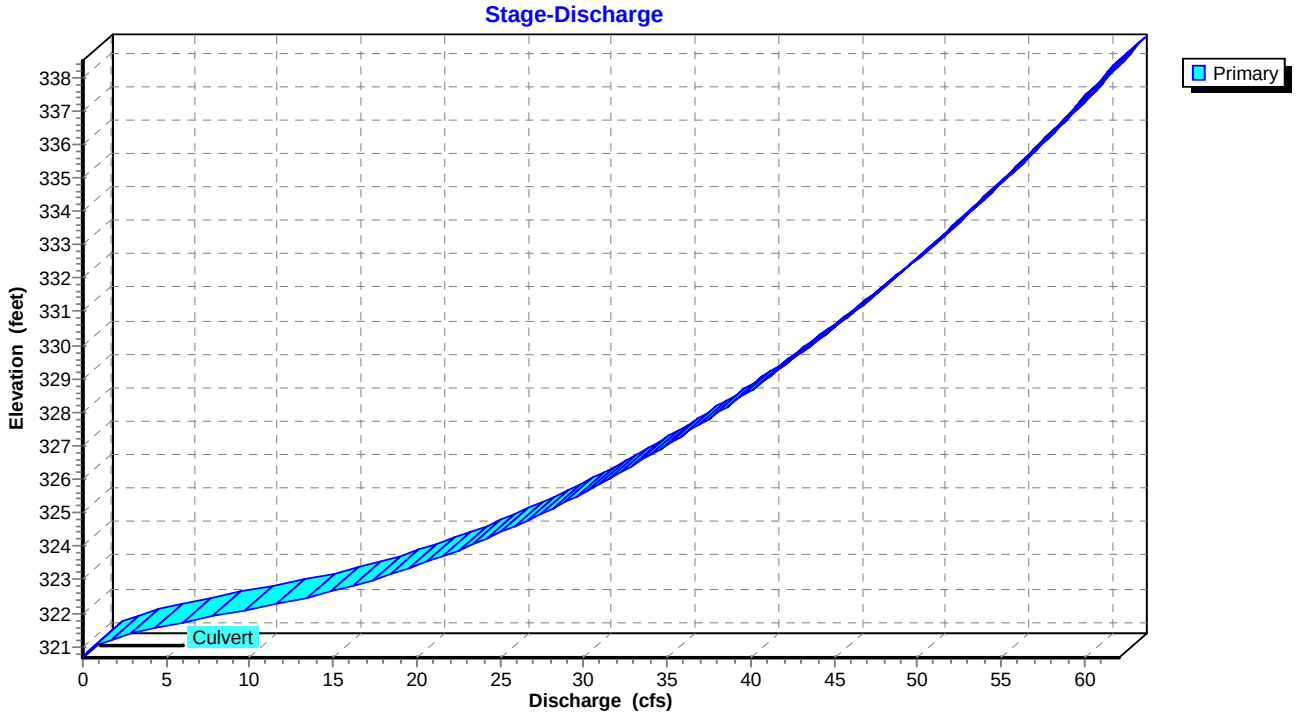
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=12.81 cfs @ 12.08 hrs HW=322.39' TW=312.74' (Dynamic Tailwater)
1=Culvert (Inlet Controls 12.81 cfs @ 4.46 fps)

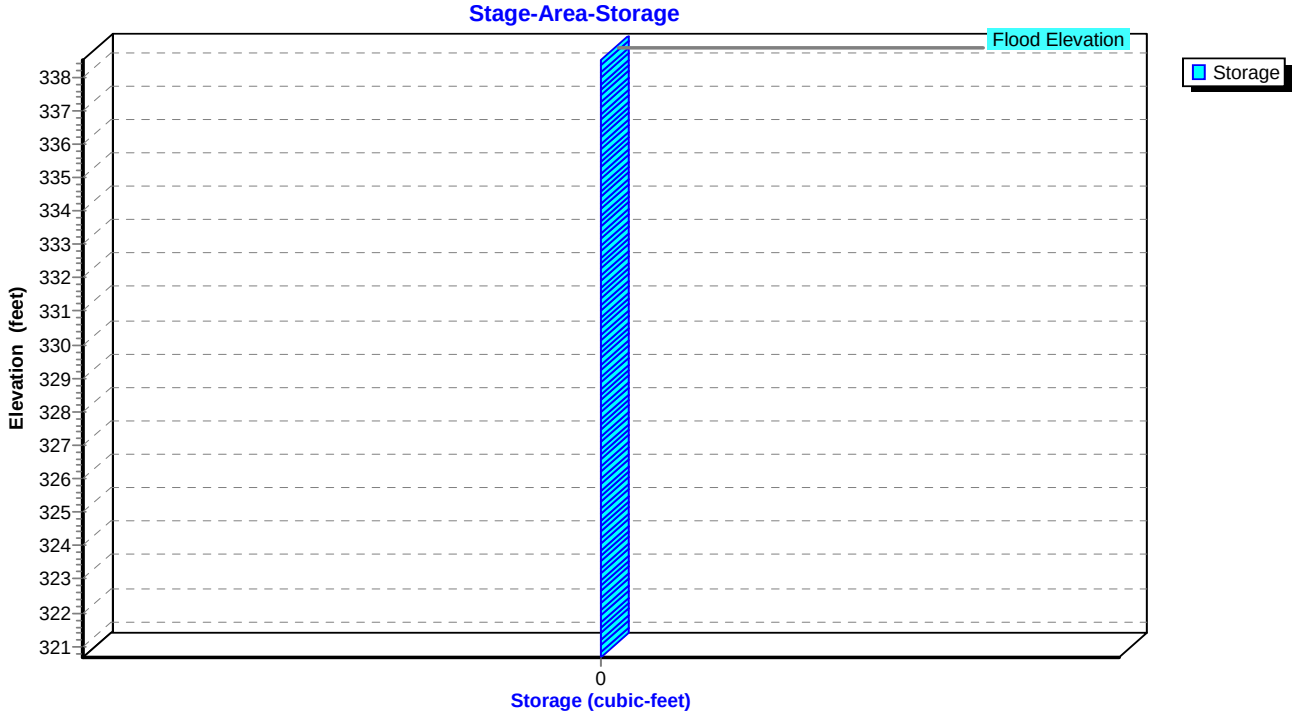
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.67	0.00
6.00	0.00	320.69	0.00
6.50	0.01	320.70	0.01
7.00	0.03	320.73	0.03
7.50	0.05	320.76	0.05
8.00	0.08	320.78	0.08
8.50	0.13	320.81	0.13
9.00	0.19	320.85	0.19
9.50	0.27	320.88	0.27
10.00	0.36	320.91	0.36
10.50	0.51	320.96	0.51
11.00	0.70	321.01	0.70
11.50	1.24	321.13	1.24
12.00	**9.43**	**322.07**	**9.43**
12.50	**3.23**	**321.43**	**3.23**
13.00	1.34	321.15	1.34
13.50	1.05	321.09	1.05
14.00	0.86	321.05	0.86
14.50	0.75	321.02	0.75
15.00	0.65	321.00	0.65
15.50	0.56	320.97	0.56
16.00	0.46	320.94	0.46
16.50	0.41	320.93	0.41
17.00	0.37	320.91	0.37
17.50	0.33	320.90	0.33
18.00	0.28	320.88	0.28
18.50	0.26	320.88	0.26
19.00	0.25	320.87	0.25
19.50	0.24	320.87	0.24
20.00	0.23	320.86	0.23
20.50	0.22	320.86	0.22
21.00	0.21	320.85	0.21
21.50	0.20	320.85	0.20
22.00	0.19	320.84	0.19
22.50	0.18	320.84	0.18
23.00	0.17	320.83	0.17
23.50	0.16	320.83	0.16
24.00	0.15	320.82	0.15

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

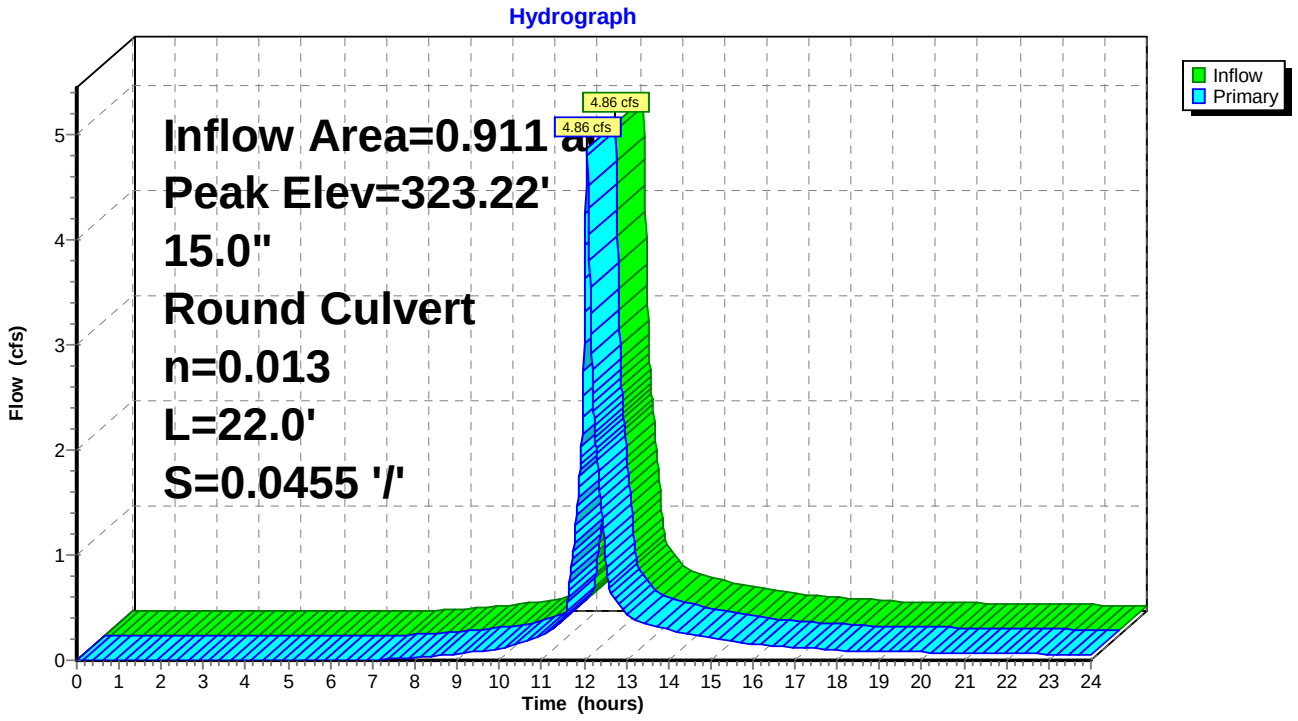
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.47" for 50-Year event
Inflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af
Outflow = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af, Atten= 0%, Lag= 0.0 min
Primary = 4.86 cfs @ 12.08 hrs, Volume= 0.339 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.22' @ 12.08 hrs
Flood Elev= 324.50'

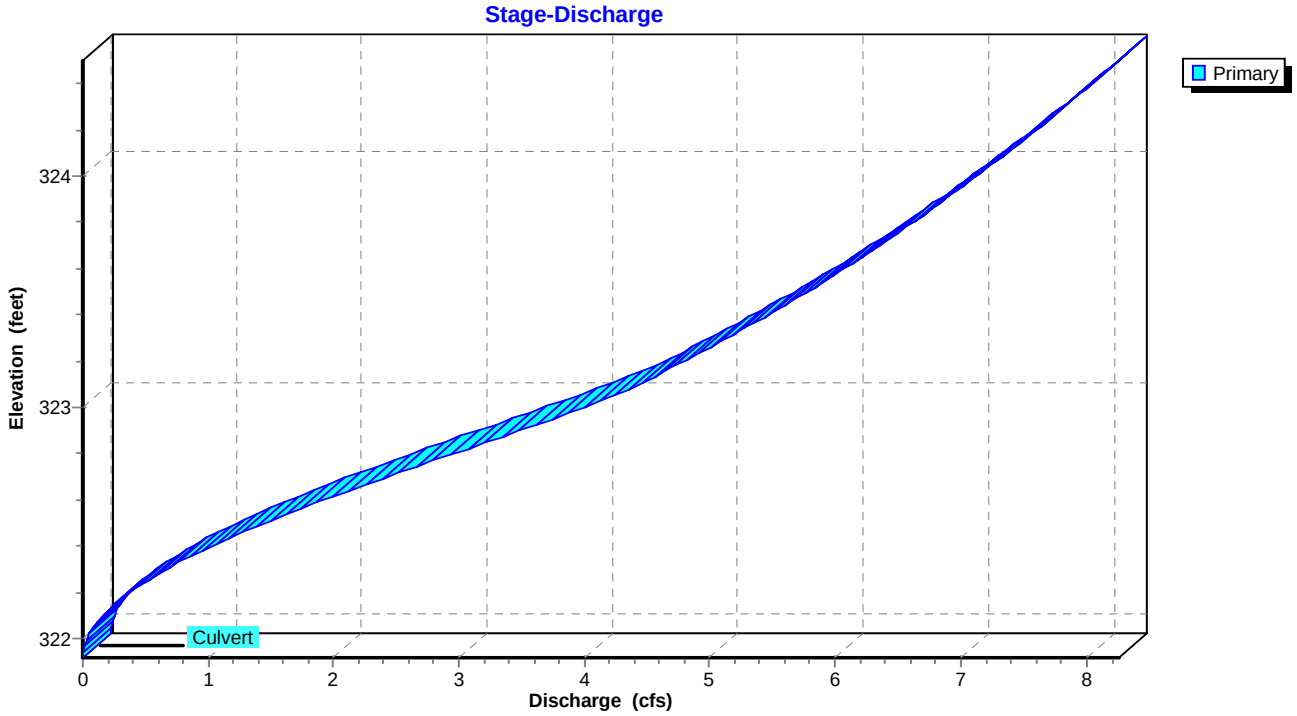
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.86 cfs @ 12.08 hrs HW=323.22' TW=322.39' (Dynamic Tailwater)
1=Culvert (Inlet Controls 4.86 cfs @ 3.96 fps)

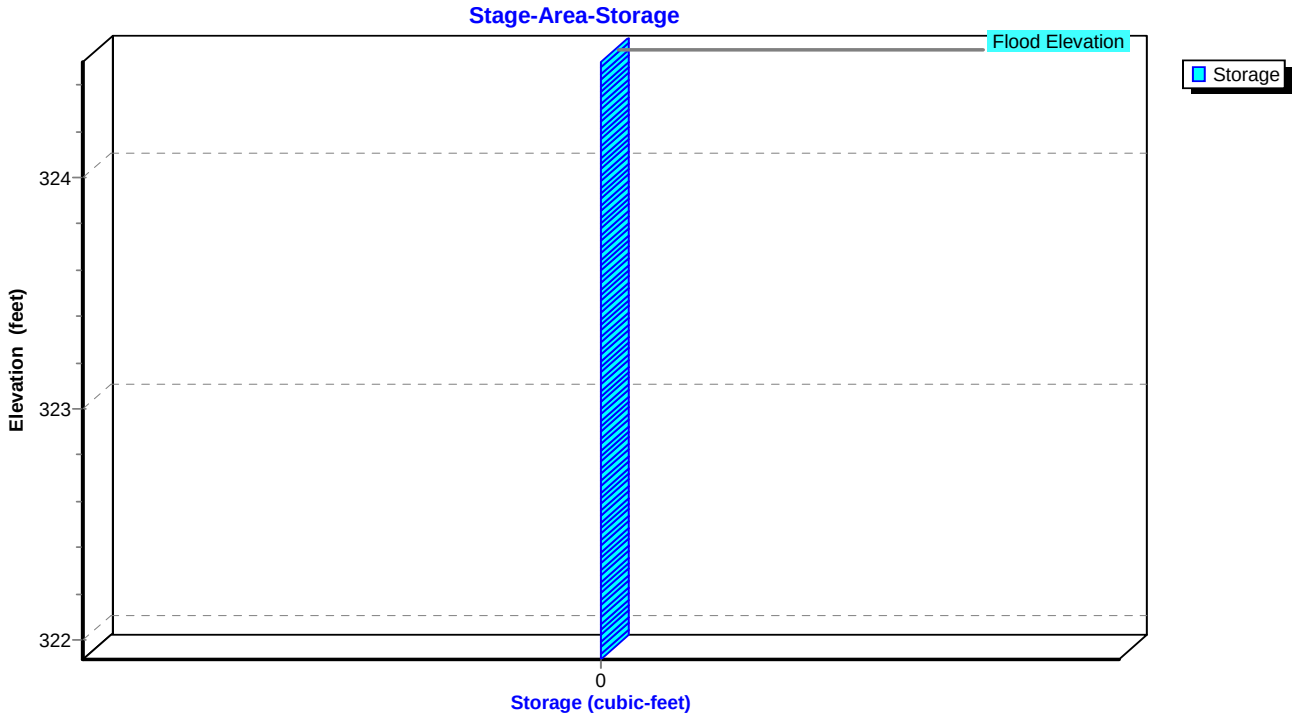
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.92	0.00
7.00	0.01	321.95	0.01
7.50	0.01	321.97	0.01
8.00	0.02	321.99	0.02
8.50	0.04	322.01	0.04
9.00	0.06	322.03	0.06
9.50	0.08	322.05	0.08
10.00	0.11	322.07	0.11
10.50	0.16	322.10	0.16
11.00	0.23	322.14	0.23
11.50	0.40	322.21	0.40
12.00	**3.02**	**322.81**	**3.02**
12.50	**1.04**	**322.40**	**1.04**
13.00	0.44	322.23	0.44
13.50	0.35	322.19	0.35
14.00	0.29	322.17	0.29
14.50	0.25	322.15	0.25
15.00	0.22	322.13	0.22
15.50	0.19	322.12	0.19
16.00	0.15	322.10	0.15
16.50	0.14	322.09	0.14
17.00	0.12	322.08	0.12
17.50	0.11	322.07	0.11
18.00	0.09	322.06	0.09
18.50	0.09	322.05	0.09
19.00	0.08	322.05	0.08
19.50	0.08	322.05	0.08
20.00	0.08	322.04	0.08
20.50	0.07	322.04	0.07
21.00	0.07	322.04	0.07
21.50	0.07	322.04	0.07
22.00	0.06	322.03	0.06
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.05	322.02	0.05
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		

Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Pond CB1: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0045 '/' Primary=0.00 cfs 0.000 af

Pond CB1-1: CB1-1 Peak Elev=347.57' Inflow=8.05 cfs 0.961 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0200 '/' Outflow=8.05 cfs 0.961 af

Pond CB10: Catchbasin Peak Elev=313.00' Inflow=17.46 cfs 1.412 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0687 '/' Outflow=17.46 cfs 1.412 af

Pond CB10-1: CB1-1 Peak Elev=313.45' Inflow=4.61 cfs 0.282 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=4.61 cfs 0.282 af

Pond CB11: Catchbasin Peak Elev=302.00' Inflow=17.46 cfs 1.412 af
36.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Outflow=17.46 cfs 1.412 af

Pond CB11-1: CB1-1 Peak Elev=301.23' Inflow=20.04 cfs 1.682 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0067 '/' Outflow=20.04 cfs 1.682 af

Pond CB12: Catchbasin Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.1045 '/' Primary=0.00 cfs 0.000 af

Pond CB12-1: CB1-1 Peak Elev=300.14' Inflow=26.89 cfs 2.242 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0209 '/' Outflow=26.89 cfs 2.242 af

Pond CB13: Catchbasin Peak Elev=295.48' Inflow=30.27 cfs 2.587 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0320 '/' Outflow=30.27 cfs 2.587 af

Pond CB13-1: CB1-1 Peak Elev=296.98' Inflow=30.27 cfs 2.587 af
36.0" Round Culvert n=0.013 L=22.0' S=0.2182 '/' Outflow=30.27 cfs 2.587 af

Pond CB2: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB2-1: CB1-1 Peak Elev=345.01' Inflow=17.21 cfs 1.962 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0187 '/' Outflow=17.21 cfs 1.962 af

Pond CB3: CB1 Peak Elev=0.00'
15.0" Round Culvert n=0.013 L=22.0' S=0.0091 '/' Primary=0.00 cfs 0.000 af

Pond CB3-1: CB1-1 Peak Elev=342.66' Inflow=21.08 cfs 2.391 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0223 '/' Outflow=21.08 cfs 2.391 af

Pond CB4: Catchbasin Peak Elev=335.68' Inflow=28.19 cfs 3.257 af
36.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=28.19 cfs 3.257 af

Pond CB4-1: CB1-1 Peak Elev=339.15' Inflow=28.19 cfs 3.257 af
24.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=28.19 cfs 3.257 af

Pond CB5: Catchbasin Peak Elev=332.56' Inflow=35.06 cfs 3.960 af
36.0" Round Culvert n=0.013 L=150.0' S=0.7333 '/' Outflow=35.06 cfs 3.960 af

Pond CB5-1: CB1-1 Peak Elev=334.64' Inflow=2.13 cfs 0.128 af
15.0" Round Culvert n=0.013 L=22.0' S=0.1477 '/' Outflow=2.13 cfs 0.128 af

Pond CB6: Catchbasin Peak Elev=334.77' Inflow=6.35 cfs 0.574 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0120 '/' Outflow=6.35 cfs 0.574 af

Pond CB6-1: CB1-1 Peak Elev=337.70' Inflow=6.35 cfs 0.574 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0682 '/' Outflow=6.35 cfs 0.574 af

Pond CB7: Catchbasin Peak Elev=334.29' Inflow=6.77 cfs 0.527 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0220 '/' Outflow=6.77 cfs 0.527 af

Pond CB7-1: CB1-1 Peak Elev=336.36' Inflow=6.77 cfs 0.527 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0568 '/' Outflow=6.77 cfs 0.527 af

Pond CB8: Catchbasin Peak Elev=331.23' Inflow=8.75 cfs 0.756 af
18.0" Round Culvert n=0.013 L=150.0' S=0.0570 '/' Outflow=8.75 cfs 0.756 af

Pond CB8-1: CB1-1 Peak Elev=331.43' Inflow=3.78 cfs 0.229 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0227 '/' Outflow=3.78 cfs 0.229 af

Pond CB9: Catchbasin Peak Elev=322.52' Inflow=14.08 cfs 1.130 af
24.0" Round Culvert n=0.013 L=150.0' S=0.0653 '/' Outflow=14.08 cfs 1.130 af

Pond CB9-1: CB1-1 Peak Elev=323.36' Inflow=5.34 cfs 0.374 af
15.0" Round Culvert n=0.013 L=22.0' S=0.0455 '/' Outflow=5.34 cfs 0.374 af

Summary for Pond CB1: CB1

[43] Hint: Has no inflow (Outflow=Zero)

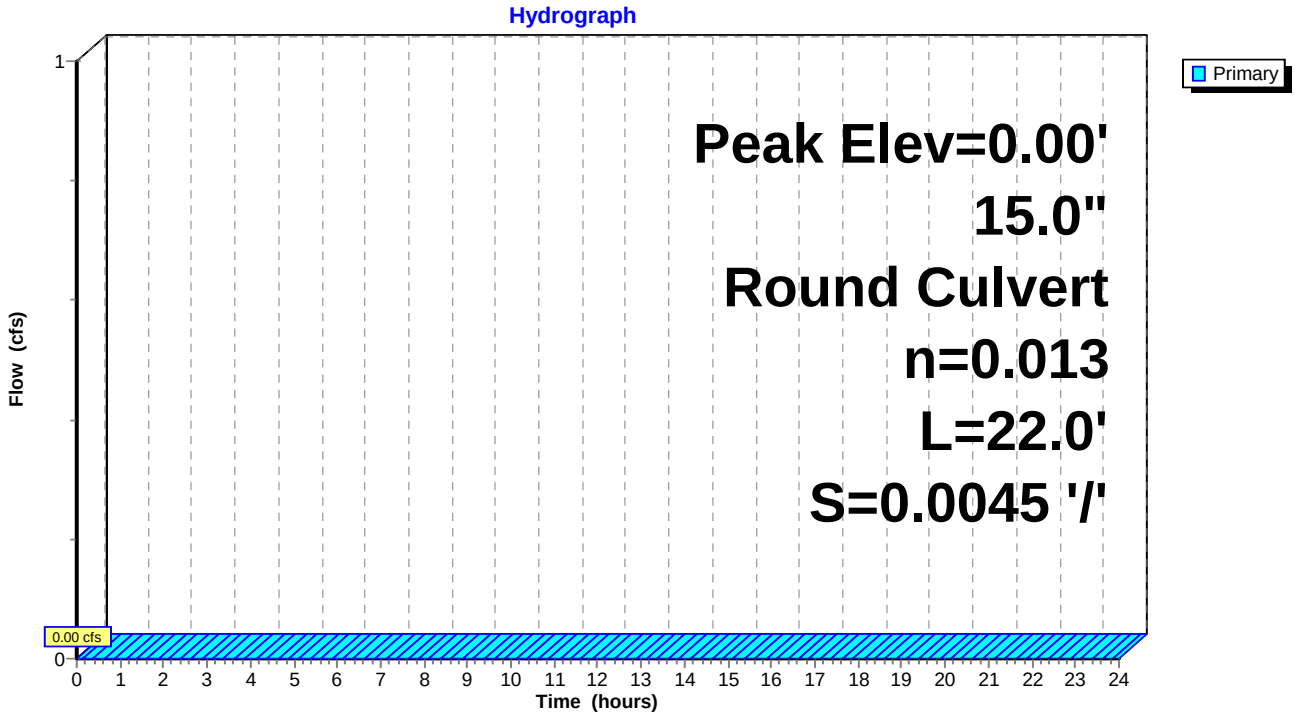
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 347.25'

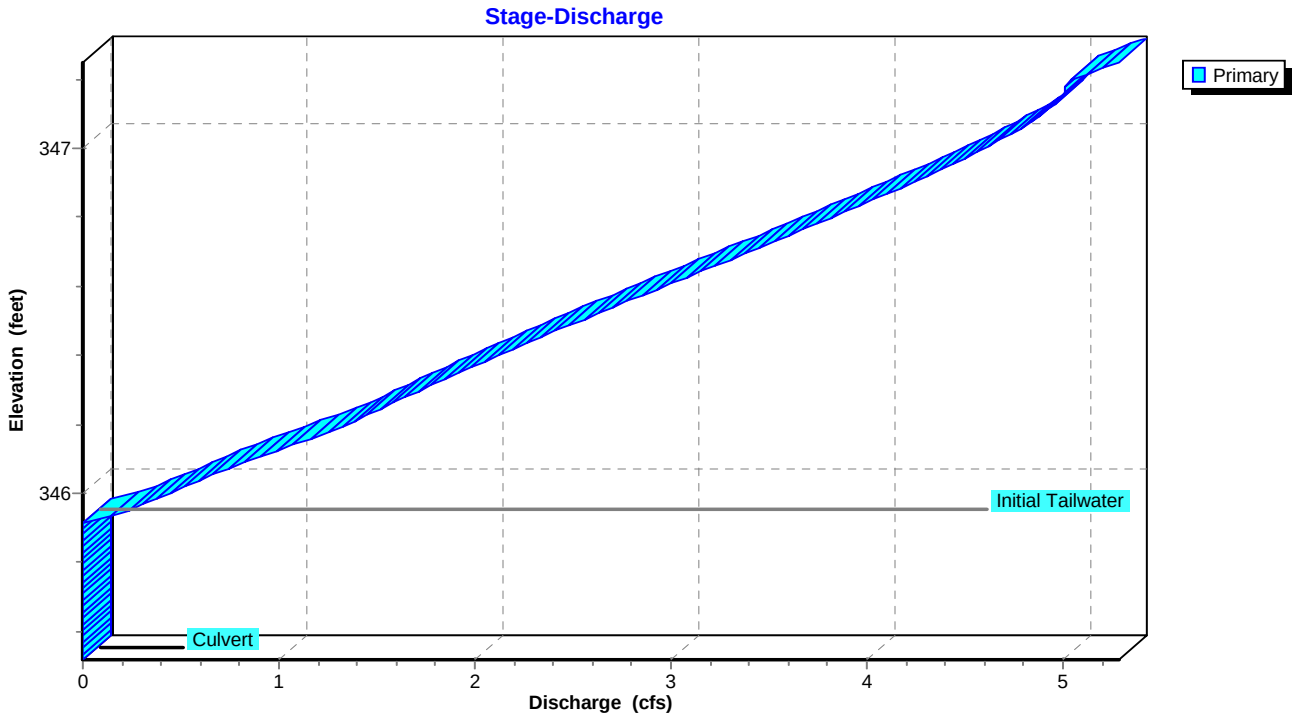
Device	Routing	Invert	Outlet Devices
#1	Primary	345.52'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 345.52' / 345.42' S= 0.0045 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=345.92' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

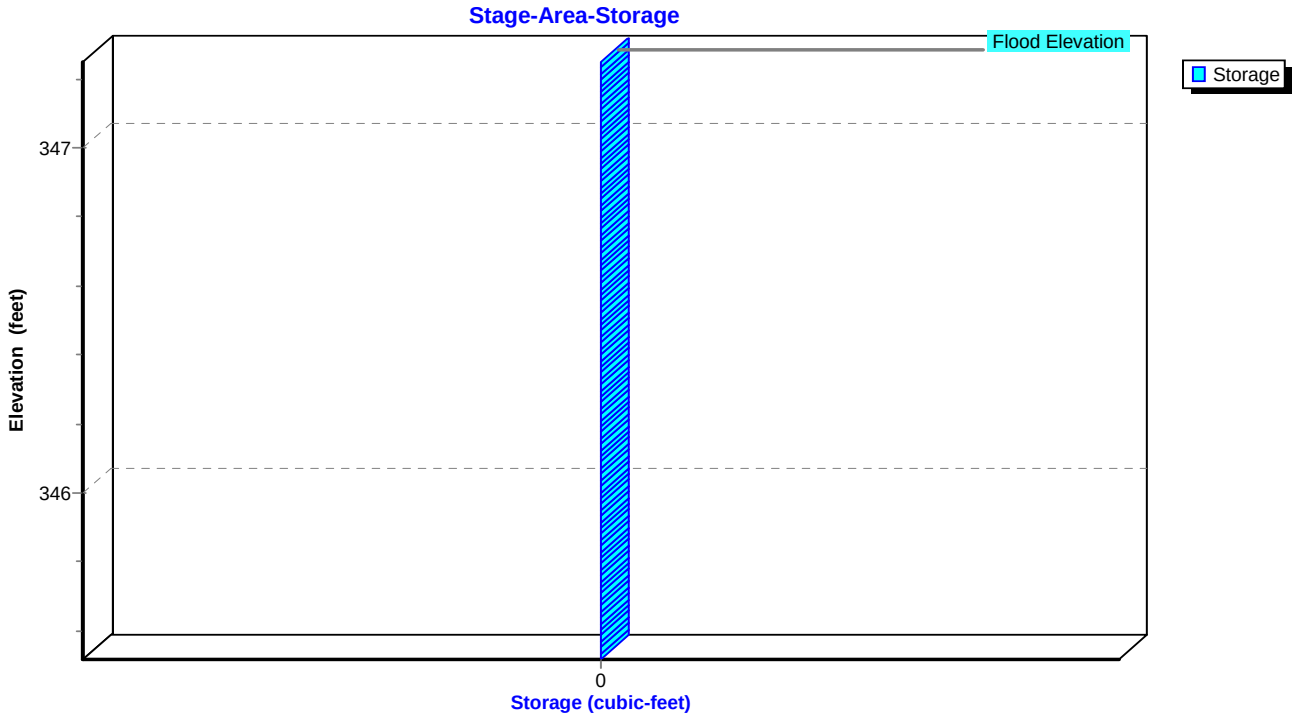
Pond CB1: CB1



Pond CB1: CB1



Pond CB1: CB1



Stage-Discharge for Pond CB1: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.52	0.00	346.03	0.55	346.54	2.70	347.05	4.76
345.53	0.00	346.04	0.60	346.55	2.74	347.06	4.78
345.54	0.00	346.05	0.64	346.56	2.79	347.07	4.81
345.55	0.00	346.06	0.68	346.57	2.83	347.08	4.84
345.56	0.00	346.07	0.73	346.58	2.87	347.09	4.87
345.57	0.00	346.08	0.77	346.59	2.92	347.10	4.89
345.58	0.00	346.09	0.82	346.60	2.96	347.11	4.92
345.59	0.00	346.10	0.87	346.61	3.00	347.12	4.94
345.60	0.00	346.11	0.91	346.62	3.05	347.13	4.96
345.61	0.00	346.12	0.96	346.63	3.09	347.14	4.98
345.62	0.00	346.13	1.01	346.64	3.13	347.15	4.99
345.63	0.00	346.14	1.06	346.65	3.18	347.16	5.01
345.64	0.00	346.15	1.11	346.66	3.22	347.17	5.01
345.65	0.00	346.16	1.16	346.67	3.26	347.18	5.01
345.66	0.00	346.17	1.21	346.68	3.31	347.19	5.01
345.67	0.00	346.18	1.27	346.69	3.35	347.20	5.05
345.68	0.00	346.19	1.31	346.70	3.39	347.21	5.10
345.69	0.00	346.20	1.35	346.71	3.44	347.22	5.15
345.70	0.00	346.21	1.38	346.72	3.48	347.23	5.19
345.71	0.00	346.22	1.42	346.73	3.52	347.24	5.24
345.72	0.00	346.23	1.46	346.74	3.56	347.25	**5.29**
345.73	0.00	346.24	1.49	346.75	3.61		
345.74	0.00	346.25	1.53	346.76	3.65		
345.75	0.00	346.26	1.57	346.77	3.69		
345.76	0.00	346.27	1.60	346.78	3.73		
345.77	0.00	346.28	1.64	346.79	3.78		
345.78	0.00	346.29	1.68	346.80	3.82		
345.79	0.00	346.30	1.72	346.81	3.86		
345.80	0.00	346.31	1.76	346.82	3.90		
345.81	0.00	346.32	1.80	346.83	3.94		
345.82	0.00	346.33	1.83	346.84	3.98		
345.83	0.00	346.34	1.87	346.85	4.03		
345.84	0.00	346.35	1.91	346.86	4.07		
345.85	0.00	346.36	1.95	346.87	4.11		
345.86	0.00	346.37	1.99	346.88	4.15		
345.87	0.00	346.38	2.03	346.89	4.19		
345.88	0.00	346.39	2.07	346.90	4.23		
345.89	0.00	346.40	2.12	346.91	4.26		
345.90	0.00	346.41	2.16	346.92	4.30		
345.91	0.00	346.42	2.20	346.93	4.34		
345.92	0.00	346.43	2.24	346.94	4.38		
345.93	0.12	346.44	2.28	346.95	4.42		
345.94	0.17	346.45	2.32	346.96	4.45		
345.95	0.22	346.46	2.36	346.97	4.49		
345.96	0.26	346.47	2.40	346.98	4.52		
345.97	0.31	346.48	2.45	346.99	4.56		
345.98	0.35	346.49	2.49	347.00	4.59		
345.99	0.39	346.50	2.53	347.01	4.63		
346.00	0.43	346.51	2.57	347.02	4.66		
346.01	0.47	346.52	2.62	347.03	4.69		
346.02	0.51	346.53	2.66	347.04	4.72		

Stage-Area-Storage for Pond CB1: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.52	**0**	346.54	0
345.54	0	346.56	0
345.56	0	346.58	0
345.58	0	346.60	0
345.60	0	346.62	0
345.62	0	346.64	0
345.64	0	346.66	0
345.66	0	346.68	0
345.68	0	346.70	0
345.70	0	346.72	0
345.72	0	346.74	0
345.74	0	346.76	0
345.76	0	346.78	0
345.78	0	346.80	0
345.80	0	346.82	0
345.82	0	346.84	0
345.84	0	346.86	0
345.86	0	346.88	0
345.88	0	346.90	0
345.90	0	346.92	0
345.92	0	346.94	0
345.94	0	346.96	0
345.96	0	346.98	0
345.98	0	347.00	0
346.00	0	347.02	0
346.02	0	347.04	0
346.04	0	347.06	0
346.06	0	347.08	0
346.08	0	347.10	0
346.10	0	347.12	0
346.12	0	347.14	0
346.14	0	347.16	0
346.16	0	347.18	0
346.18	0	347.20	0
346.20	0	347.22	0
346.22	0	347.24	0
346.24	0		
346.26	0		
346.28	0		
346.30	0		
346.32	0		
346.34	0		
346.36	0		
346.38	0		
346.40	0		
346.42	0		
346.44	0		
346.46	0		
346.48	0		
346.50	0		
346.52	0		

Summary for Pond CB1-1: CB1-1

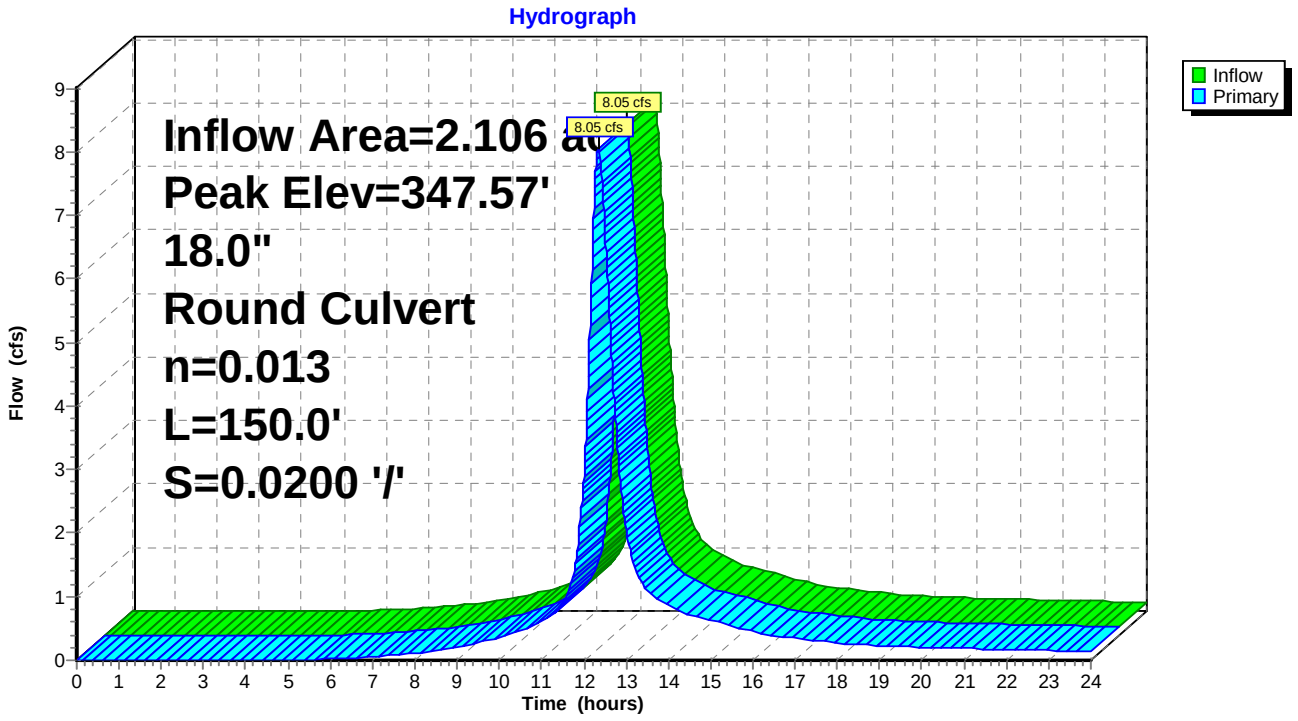
Inflow Area = 2.106 ac, 35.66% Impervious, Inflow Depth > 5.48" for 100-Year event
Inflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af
Outflow = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af, Atten= 0%, Lag= 0.0 min
Primary = 8.05 cfs @ 12.34 hrs, Volume= 0.961 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 347.57' @ 12.34 hrs
Flood Elev= 348.80'

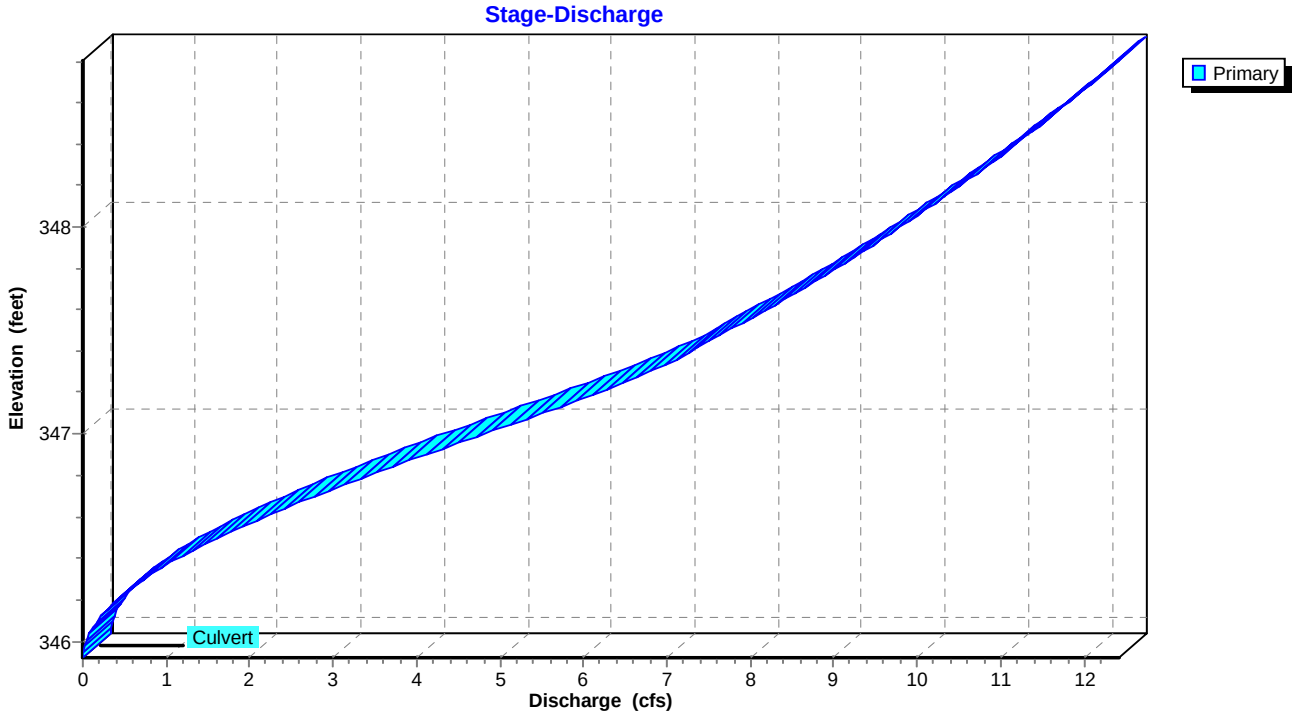
Device	Routing	Invert	Outlet Devices
#1	Primary	345.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 345.92' / 342.92' S= 0.0200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Primary OutFlow Max=8.05 cfs @ 12.34 hrs HW=347.57' TW=344.95' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 8.05 cfs @ 4.56 fps)

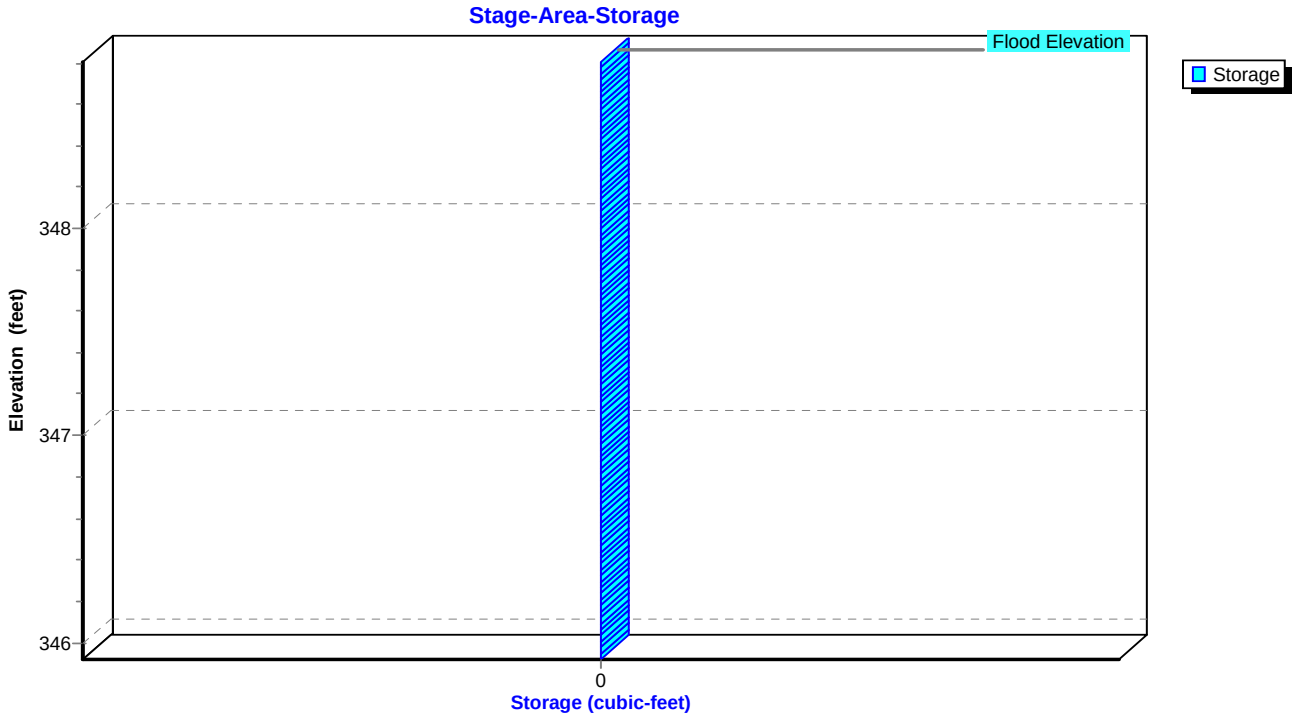
Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Pond CB1-1: CB1-1



Hydrograph for Pond CB1-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	345.92	0.00
0.50	0.00	345.92	0.00
1.00	0.00	345.92	0.00
1.50	0.00	345.92	0.00
2.00	0.00	345.92	0.00
2.50	0.00	345.92	0.00
3.00	0.00	345.92	0.00
3.50	0.00	345.92	0.00
4.00	0.00	345.92	0.00
4.50	0.00	345.92	0.00
5.00	0.00	345.92	0.00
5.50	0.01	345.95	0.01
6.00	0.02	345.98	0.02
6.50	0.03	346.00	0.03
7.00	0.05	346.02	0.05
7.50	0.08	346.04	0.08
8.00	0.11	346.06	0.11
8.50	0.15	346.09	0.15
9.00	0.21	346.12	0.21
9.50	0.28	346.15	0.28
10.00	0.36	346.18	0.36
10.50	0.47	346.22	0.47
11.00	0.62	346.27	0.62
11.50	0.91	346.34	0.91
12.00	**2.90**	**346.72**	**2.90**
12.50	**6.82**	**347.30**	**6.82**
13.00	2.08	346.58	2.08
13.50	1.10	346.39	1.10
14.00	0.87	346.33	0.87
14.50	0.72	346.29	0.72
15.00	0.63	346.27	0.63
15.50	0.54	346.24	0.54
16.00	0.46	346.22	0.46
16.50	0.39	346.19	0.39
17.00	0.34	346.18	0.34
17.50	0.31	346.16	0.31
18.00	0.27	346.15	0.27
18.50	0.24	346.13	0.24
19.00	0.23	346.13	0.23
19.50	0.22	346.12	0.22
20.00	0.20	346.12	0.20
20.50	0.19	346.11	0.19
21.00	0.19	346.11	0.19
21.50	0.18	346.10	0.18
22.00	0.17	346.10	0.17
22.50	0.16	346.09	0.16
23.00	0.15	346.09	0.15
23.50	0.14	346.08	0.14
24.00	0.14	346.08	0.14

Stage-Discharge for Pond CB1-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
345.92	0.00	346.94	4.40	347.96	9.66
345.94	0.00	346.96	4.54	347.98	9.74
345.96	0.01	346.98	4.68	348.00	9.81
345.98	0.02	347.00	4.82	348.02	9.89
346.00	0.04	347.02	4.96	348.04	9.96
346.02	0.05	347.04	5.10	348.06	10.03
346.04	0.08	347.06	5.24	348.08	10.10
346.06	0.11	347.08	5.38	348.10	10.18
346.08	0.14	347.10	5.52	348.12	10.25
346.10	0.17	347.12	5.65	348.14	10.32
346.12	0.21	347.14	5.79	348.16	10.39
346.14	0.26	347.16	5.92	348.18	10.46
346.16	0.30	347.18	6.06	348.20	10.52
346.18	0.36	347.20	6.19	348.22	10.59
346.20	0.41	347.22	6.32	348.24	10.66
346.22	0.47	347.24	6.44	348.26	10.73
346.24	0.53	347.26	6.57	348.28	10.80
346.26	0.60	347.28	6.69	348.30	10.86
346.28	0.67	347.30	6.80	348.32	10.93
346.30	0.74	347.32	6.92	348.34	11.00
346.32	0.81	347.34	7.02	348.36	11.06
346.34	0.89	347.36	7.12	348.38	11.13
346.36	0.98	347.38	7.22	348.40	11.19
346.38	1.06	347.40	7.30	348.42	11.26
346.40	1.15	347.42	7.37	348.44	11.32
346.42	1.24	347.44	7.47	348.46	11.38
346.44	1.34	347.46	7.56	348.48	11.45
346.46	1.43	347.48	7.66	348.50	11.51
346.48	1.53	347.50	7.75	348.52	11.57
346.50	1.64	347.52	7.84	348.54	11.64
346.52	1.74	347.54	7.94	348.56	11.70
346.54	1.85	347.56	8.03	348.58	11.76
346.56	1.96	347.58	8.12	348.60	11.82
346.58	2.07	347.60	8.21	348.62	11.88
346.60	2.19	347.62	8.29	348.64	11.94
346.62	2.30	347.64	8.38	348.66	12.00
346.64	2.42	347.66	8.47	348.68	12.06
346.66	2.54	347.68	8.55	348.70	12.12
346.68	2.67	347.70	8.64	348.72	12.18
346.70	2.79	347.72	8.72	348.74	12.24
346.72	2.92	347.74	8.80	348.76	12.30
346.74	3.05	347.76	8.88	348.78	12.36
346.76	3.18	347.78	8.96	348.80	**12.42**
346.78	3.31	347.80	9.04		
346.80	3.44	347.82	9.12		
346.82	3.58	347.84	9.20		
346.84	3.71	347.86	9.28		
346.86	3.85	347.88	9.36		
346.88	3.98	347.90	9.44		
346.90	4.12	347.92	9.51		
346.92	4.26	347.94	9.59		

Stage-Area-Storage for Pond CB1-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
345.92	**0**	346.94	0	347.96	0
345.94	0	346.96	0	347.98	0
345.96	0	346.98	0	348.00	0
345.98	0	347.00	0	348.02	0
346.00	0	347.02	0	348.04	0
346.02	0	347.04	0	348.06	0
346.04	0	347.06	0	348.08	0
346.06	0	347.08	0	348.10	0
346.08	0	347.10	0	348.12	0
346.10	0	347.12	0	348.14	0
346.12	0	347.14	0	348.16	0
346.14	0	347.16	0	348.18	0
346.16	0	347.18	0	348.20	0
346.18	0	347.20	0	348.22	0
346.20	0	347.22	0	348.24	0
346.22	0	347.24	0	348.26	0
346.24	0	347.26	0	348.28	0
346.26	0	347.28	0	348.30	0
346.28	0	347.30	0	348.32	0
346.30	0	347.32	0	348.34	0
346.32	0	347.34	0	348.36	0
346.34	0	347.36	0	348.38	0
346.36	0	347.38	0	348.40	0
346.38	0	347.40	0	348.42	0
346.40	0	347.42	0	348.44	0
346.42	0	347.44	0	348.46	0
346.44	0	347.46	0	348.48	0
346.46	0	347.48	0	348.50	0
346.48	0	347.50	0	348.52	0
346.50	0	347.52	0	348.54	0
346.52	0	347.54	0	348.56	0
346.54	0	347.56	0	348.58	0
346.56	0	347.58	0	348.60	0
346.58	0	347.60	0	348.62	0
346.60	0	347.62	0	348.64	0
346.62	0	347.64	0	348.66	0
346.64	0	347.66	0	348.68	0
346.66	0	347.68	0	348.70	0
346.68	0	347.70	0	348.72	0
346.70	0	347.72	0	348.74	0
346.72	0	347.74	0	348.76	0
346.74	0	347.76	0	348.78	0
346.76	0	347.78	0	348.80	0
346.78	0	347.80	0		
346.80	0	347.82	0		
346.82	0	347.84	0		
346.84	0	347.86	0		
346.86	0	347.88	0		
346.88	0	347.90	0		
346.90	0	347.92	0		
346.92	0	347.94	0		

Summary for Pond CB10: Catchbasin

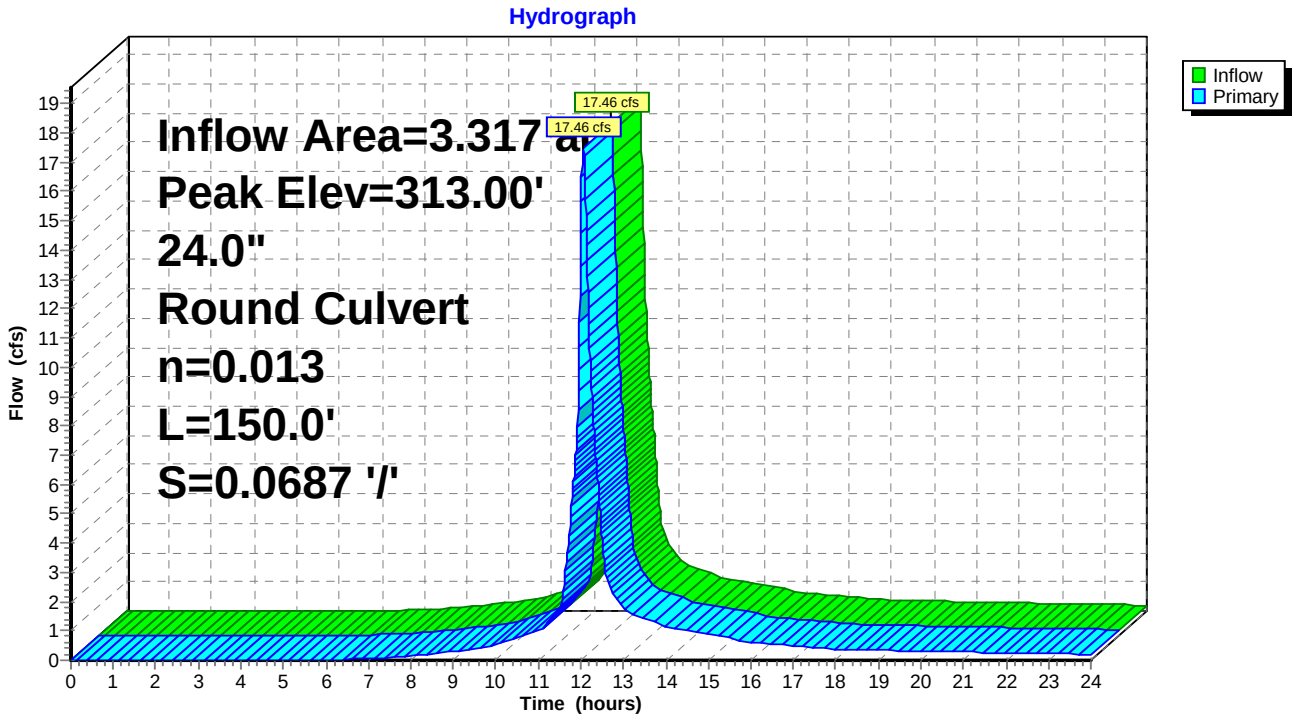
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 5.11" for 100-Year event
Inflow = 17.46 cfs @ 12.06 hrs, Volume= 1.412 af
Outflow = 17.46 cfs @ 12.06 hrs, Volume= 1.412 af, Atten= 0%, Lag= 0.0 min
Primary = 17.46 cfs @ 12.06 hrs, Volume= 1.412 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.00' @ 12.06 hrs
Flood Elev= 313.50'

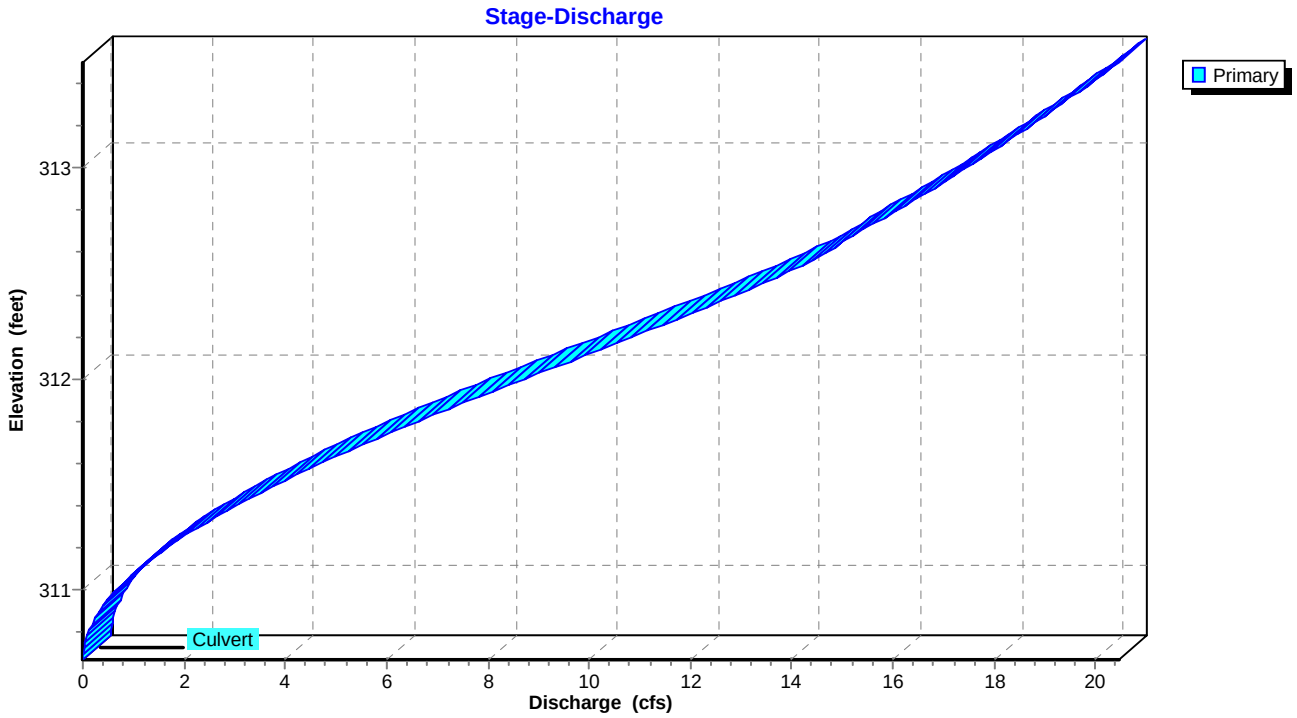
Device	Routing	Invert	Outlet Devices
#1	Primary	310.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 310.67' / 300.37' S= 0.0687 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.46 cfs @ 12.06 hrs HW=313.00' TW=301.99' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 17.46 cfs @ 5.56 fps)

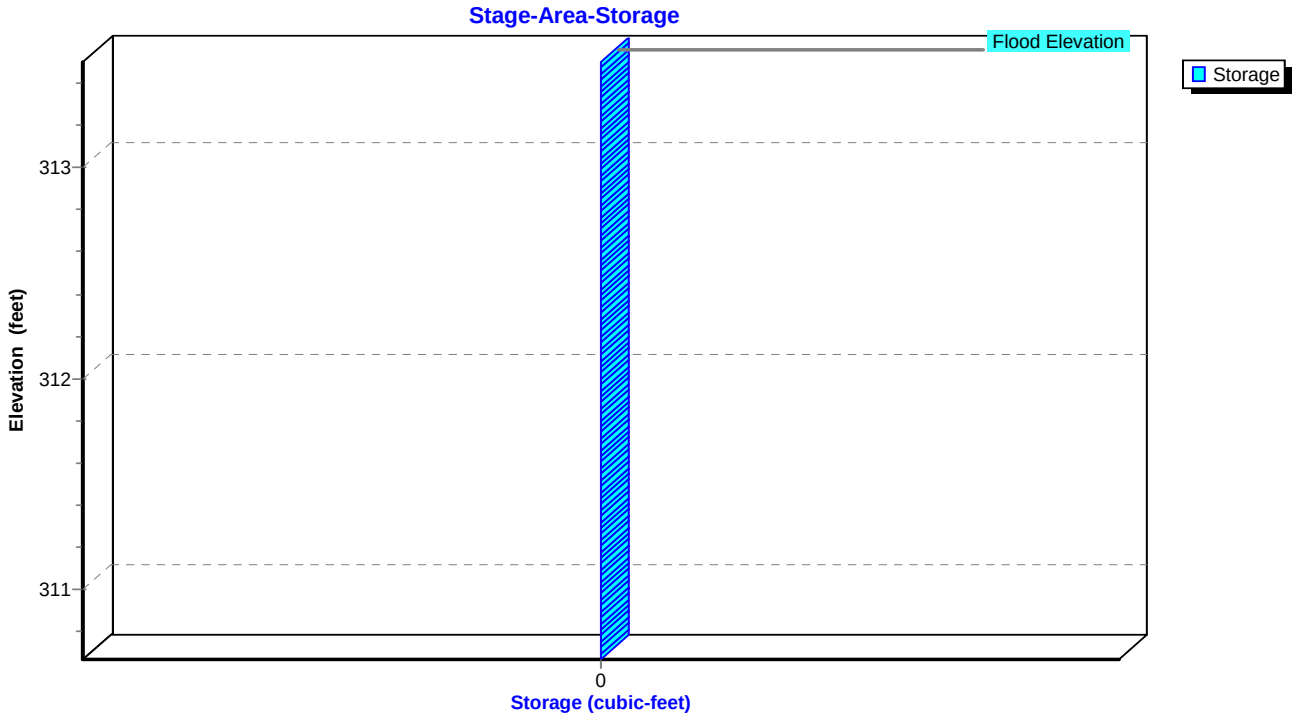
Pond CB10: Catchbasin



Pond CB10: Catchbasin



Pond CB10: Catchbasin



Hydrograph for Pond CB10: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	310.67	0.00
0.50	0.00	310.67	0.00
1.00	0.00	310.67	0.00
1.50	0.00	310.67	0.00
2.00	0.00	310.67	0.00
2.50	0.00	310.67	0.00
3.00	0.00	310.67	0.00
3.50	0.00	310.67	0.00
4.00	0.00	310.67	0.00
4.50	0.00	310.67	0.00
5.00	0.00	310.67	0.00
5.50	0.00	310.69	0.00
6.00	0.01	310.71	0.01
6.50	0.03	310.74	0.03
7.00	0.06	310.77	0.06
7.50	0.09	310.79	0.09
8.00	0.14	310.82	0.14
8.50	0.21	310.85	0.21
9.00	0.30	310.89	0.30
9.50	0.41	310.93	0.41
10.00	0.54	310.97	0.54
10.50	0.75	311.02	0.75
11.00	1.01	311.08	1.01
11.50	1.77	311.22	1.77
12.00	**14.57**	**312.58**	**14.57**
12.50	**4.10**	**311.53**	**4.10**
13.00	1.78	311.22	1.78
13.50	1.41	311.16	1.41
14.00	1.15	311.11	1.15
14.50	1.00	311.08	1.00
15.00	0.87	311.05	0.87
15.50	0.75	311.02	0.75
16.00	0.62	310.99	0.62
16.50	0.55	310.97	0.55
17.00	0.49	310.95	0.49
17.50	0.43	310.94	0.43
18.00	0.38	310.92	0.38
18.50	0.35	310.91	0.35
19.00	0.34	310.90	0.34
19.50	0.32	310.90	0.32
20.00	0.30	310.89	0.30
20.50	0.29	310.89	0.29
21.00	0.28	310.88	0.28
21.50	0.26	310.88	0.26
22.00	0.25	310.87	0.25
22.50	0.24	310.87	0.24
23.00	0.23	310.86	0.23
23.50	0.21	310.85	0.21
24.00	0.20	310.85	0.20

Stage-Discharge for Pond CB10: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
310.67	0.00	311.69	5.54	312.71	15.43
310.69	0.00	311.71	5.73	312.73	15.57
310.71	0.01	311.73	5.93	312.75	15.72
310.73	0.02	311.75	6.12	312.77	15.87
310.75	0.04	311.77	6.32	312.79	16.01
310.77	0.06	311.79	6.52	312.81	16.15
310.79	0.09	311.81	6.72	312.83	16.29
310.81	0.12	311.83	6.93	312.85	16.43
310.83	0.16	311.85	7.13	312.87	16.57
310.85	0.20	311.87	7.34	312.89	16.71
310.87	0.25	311.89	7.55	312.91	16.84
310.89	0.30	311.91	7.76	312.93	16.98
310.91	0.36	311.93	7.97	312.95	17.11
310.93	0.42	311.95	8.18	312.97	17.25
310.95	0.48	311.97	8.39	312.99	17.38
310.97	0.55	311.99	8.60	313.01	17.51
310.99	0.62	312.01	8.82	313.03	17.64
311.01	0.70	312.03	9.03	313.05	17.77
311.03	0.79	312.05	9.25	313.07	17.90
311.05	0.87	312.07	9.46	313.09	18.03
311.07	0.96	312.09	9.68	313.11	18.15
311.09	1.06	312.11	9.89	313.13	18.28
311.11	1.16	312.13	10.11	313.15	18.40
311.13	1.26	312.15	10.32	313.17	18.53
311.15	1.37	312.17	10.54	313.19	18.65
311.17	1.48	312.19	10.75	313.21	18.77
311.19	1.59	312.21	10.97	313.23	18.89
311.21	1.71	312.23	11.18	313.25	19.01
311.23	1.83	312.25	11.39	313.27	19.13
311.25	1.96	312.27	11.60	313.29	19.25
311.27	2.09	312.29	11.81	313.31	19.37
311.29	2.22	312.31	12.02	313.33	19.49
311.31	2.36	312.33	12.23	313.35	19.61
311.33	2.50	312.35	12.43	313.37	19.72
311.35	2.64	312.37	12.63	313.39	19.84
311.37	2.79	312.39	12.83	313.41	19.95
311.39	2.94	312.41	13.03	313.43	20.07
311.41	3.09	312.43	13.23	313.45	20.18
311.43	3.25	312.45	13.42	313.47	20.29
311.45	3.41	312.47	13.60	313.49	**20.41**
311.47	3.57	312.49	13.79		
311.49	3.74	312.51	13.97		
311.51	3.91	312.53	14.14		
311.53	4.08	312.55	14.31		
311.55	4.25	312.57	14.47		
311.57	4.43	312.59	14.62		
311.59	4.61	312.61	14.77		
311.61	4.79	312.63	14.90		
311.63	4.97	312.65	15.03		
311.65	5.16	312.67	15.13		
311.67	5.35	312.69	15.28		

Stage-Area-Storage for Pond CB10: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
310.67	**0**	311.69	0	312.71	0
310.69	0	311.71	0	312.73	0
310.71	0	311.73	0	312.75	0
310.73	0	311.75	0	312.77	0
310.75	0	311.77	0	312.79	0
310.77	0	311.79	0	312.81	0
310.79	0	311.81	0	312.83	0
310.81	0	311.83	0	312.85	0
310.83	0	311.85	0	312.87	0
310.85	0	311.87	0	312.89	0
310.87	0	311.89	0	312.91	0
310.89	0	311.91	0	312.93	0
310.91	0	311.93	0	312.95	0
310.93	0	311.95	0	312.97	0
310.95	0	311.97	0	312.99	0
310.97	0	311.99	0	313.01	0
310.99	0	312.01	0	313.03	0
311.01	0	312.03	0	313.05	0
311.03	0	312.05	0	313.07	0
311.05	0	312.07	0	313.09	0
311.07	0	312.09	0	313.11	0
311.09	0	312.11	0	313.13	0
311.11	0	312.13	0	313.15	0
311.13	0	312.15	0	313.17	0
311.15	0	312.17	0	313.19	0
311.17	0	312.19	0	313.21	0
311.19	0	312.21	0	313.23	0
311.21	0	312.23	0	313.25	0
311.23	0	312.25	0	313.27	0
311.25	0	312.27	0	313.29	0
311.27	0	312.29	0	313.31	0
311.29	0	312.31	0	313.33	0
311.31	0	312.33	0	313.35	0
311.33	0	312.35	0	313.37	0
311.35	0	312.37	0	313.39	0
311.37	0	312.39	0	313.41	0
311.39	0	312.41	0	313.43	0
311.41	0	312.43	0	313.45	0
311.43	0	312.45	0	313.47	0
311.45	0	312.47	0	313.49	0
311.47	0	312.49	0		
311.49	0	312.51	0		
311.51	0	312.53	0		
311.53	0	312.55	0		
311.55	0	312.57	0		
311.57	0	312.59	0		
311.59	0	312.61	0		
311.61	0	312.63	0		
311.63	0	312.65	0		
311.65	0	312.67	0		
311.67	0	312.69	0		

Summary for Pond CB10-1: CB1-1

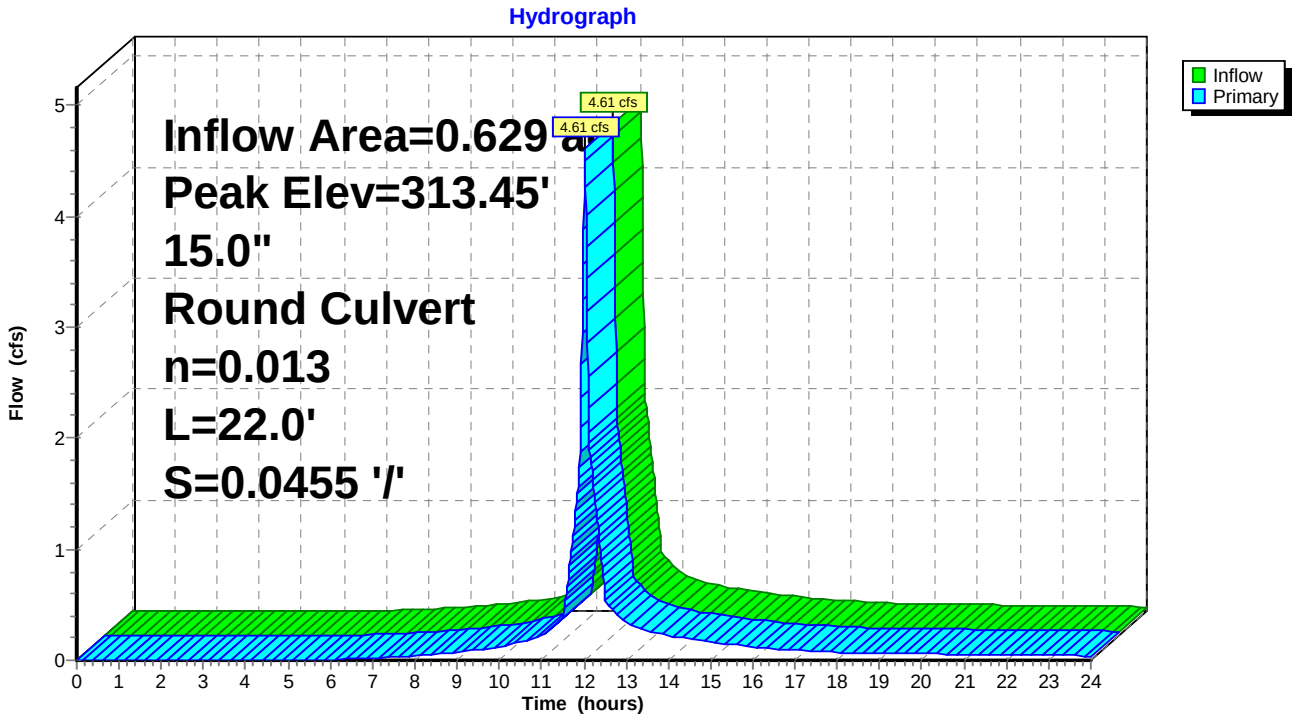
Inflow Area = 0.629 ac, 34.77% Impervious, Inflow Depth > 5.39" for 100-Year event
Inflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af
Outflow = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af, Atten= 0%, Lag= 0.0 min
Primary = 4.61 cfs @ 12.02 hrs, Volume= 0.282 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 313.45' @ 12.04 hrs
Flood Elev= 314.50'

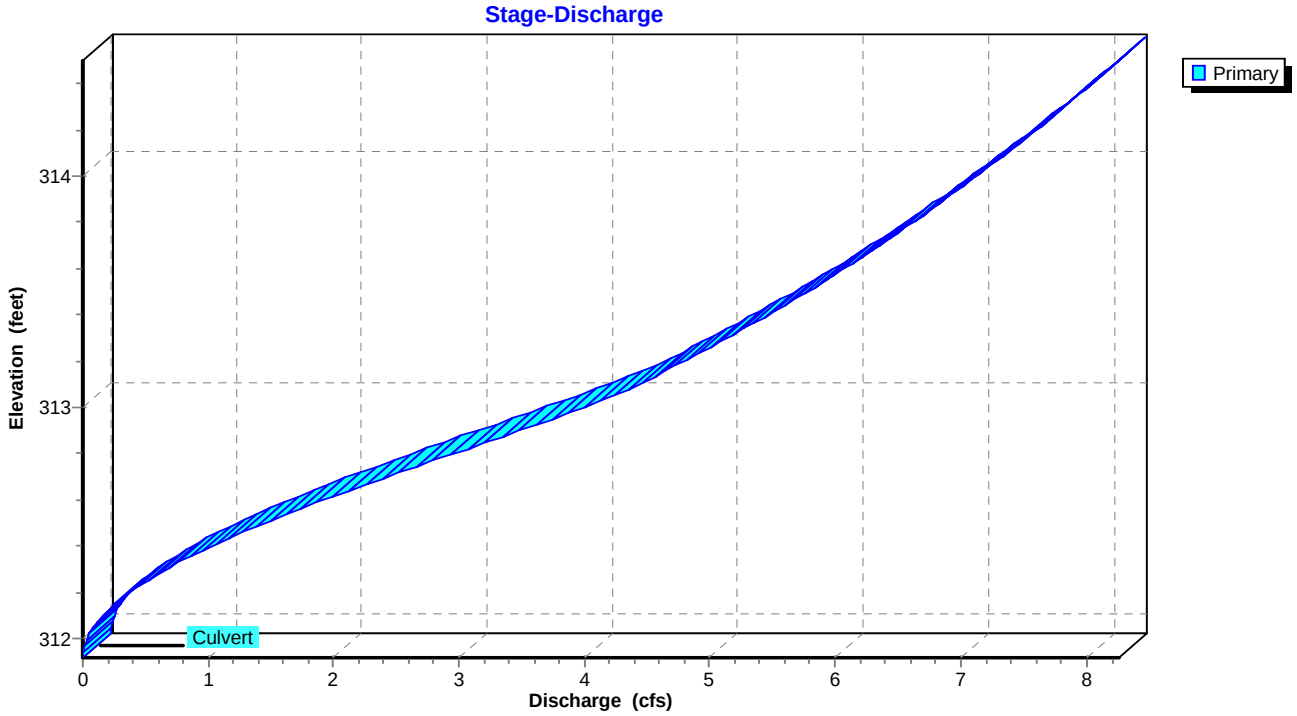
Device	Routing	Invert	Outlet Devices
#1	Primary	311.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 311.92' / 310.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=4.16 cfs @ 12.02 hrs HW=313.36' TW=312.86' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 4.16 cfs @ 3.39 fps)

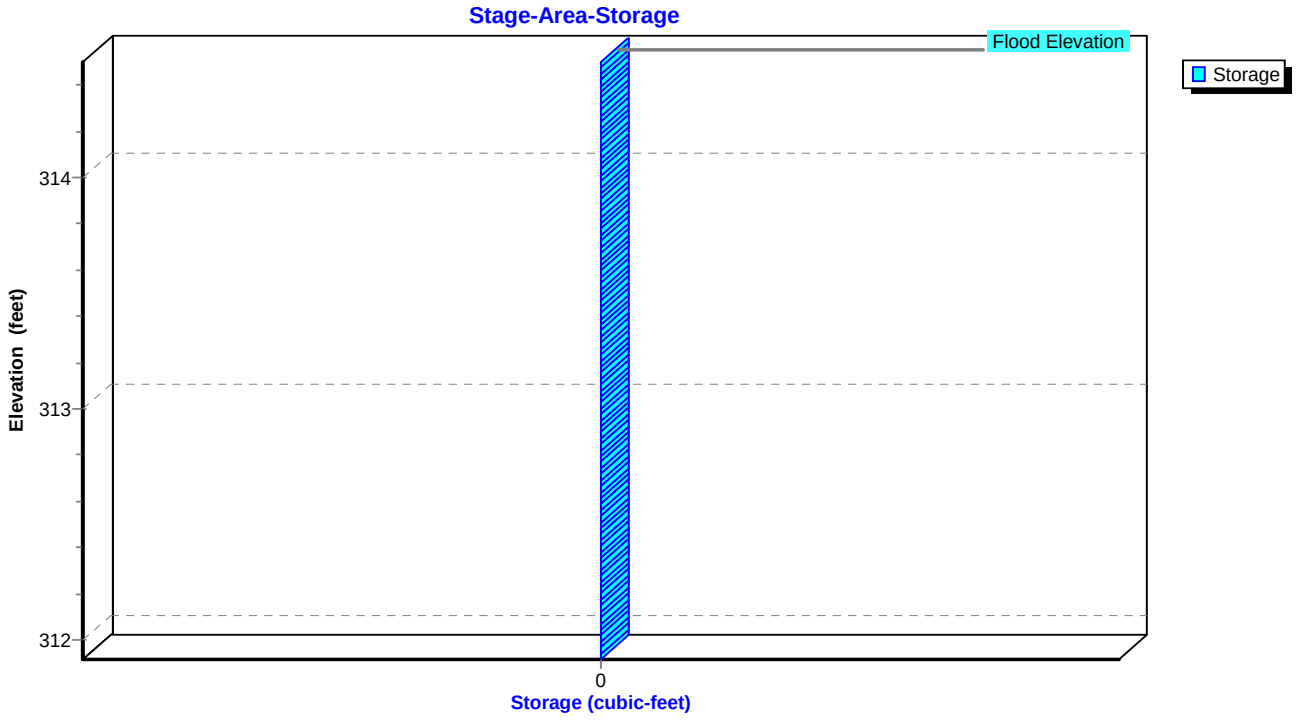
Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Pond CB10-1: CB1-1



Hydrograph for Pond CB10-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	311.92	0.00
0.50	0.00	311.92	0.00
1.00	0.00	311.92	0.00
1.50	0.00	311.92	0.00
2.00	0.00	311.92	0.00
2.50	0.00	311.92	0.00
3.00	0.00	311.92	0.00
3.50	0.00	311.92	0.00
4.00	0.00	311.92	0.00
4.50	0.00	311.92	0.00
5.00	0.00	311.92	0.00
5.50	0.00	311.94	0.00
6.00	0.01	311.96	0.01
6.50	0.01	311.97	0.01
7.00	0.02	311.98	0.02
7.50	0.03	311.99	0.03
8.00	0.04	312.00	0.04
8.50	0.05	312.02	0.05
9.00	0.07	312.04	0.07
9.50	0.09	312.06	0.09
10.00	0.12	312.08	0.12
10.50	0.17	312.11	0.17
11.00	0.22	312.13	0.22
11.50	0.39	312.21	0.39
12.00	**4.19**	**313.08**	**4.19**
12.50	**0.59**	**312.28**	**0.59**
13.00	0.32	312.18	0.32
13.50	0.27	312.16	0.27
14.00	0.22	312.13	0.22
14.50	0.19	312.12	0.19
15.00	0.17	312.11	0.17
15.50	0.14	312.09	0.14
16.00	0.12	312.07	0.12
16.50	0.10	312.07	0.10
17.00	0.09	312.06	0.09
17.50	0.08	312.05	0.08
18.00	0.07	312.04	0.07
18.50	0.07	312.04	0.07
19.00	0.06	312.03	0.06
19.50	0.06	312.03	0.06
20.00	0.06	312.03	0.06
20.50	0.06	312.03	0.06
21.00	0.05	312.02	0.05
21.50	0.05	312.02	0.05
22.00	0.05	312.02	0.05
22.50	0.05	312.02	0.05
23.00	0.04	312.01	0.04
23.50	0.04	312.01	0.04
24.00	0.04	312.01	0.04

Stage-Discharge for Pond CB10-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
311.92	0.00	312.94	3.69	313.96	7.03
311.94	0.00	312.96	3.79	313.98	7.08
311.96	0.01	312.98	3.89	314.00	7.13
311.98	0.02	313.00	3.99	314.02	7.18
312.00	0.03	313.02	4.08	314.04	7.22
312.02	0.05	313.04	4.18	314.06	7.27
312.04	0.07	313.06	4.27	314.08	7.32
312.06	0.10	313.08	4.36	314.10	7.37
312.08	0.12	313.10	4.44	314.12	7.42
312.10	0.16	313.12	4.52	314.14	7.46
312.12	0.19	313.14	4.59	314.16	7.51
312.14	0.23	313.16	4.65	314.18	7.56
312.16	0.27	313.18	4.71	314.20	7.60
312.18	0.32	313.20	4.78	314.22	7.65
312.20	0.37	313.22	4.85	314.24	7.69
312.22	0.42	313.24	4.93	314.26	7.74
312.24	0.48	313.26	5.00	314.28	7.78
312.26	0.54	313.28	5.07	314.30	7.83
312.28	0.60	313.30	5.13	314.32	7.87
312.30	0.66	313.32	5.20	314.34	7.92
312.32	0.73	313.34	5.27	314.36	7.96
312.34	0.80	313.36	5.33	314.38	8.00
312.36	0.87	313.38	5.40	314.40	8.05
312.38	0.95	313.40	5.46	314.42	8.09
312.40	1.02	313.42	5.53	314.44	8.13
312.42	1.10	313.44	5.59	314.46	8.18
312.44	1.19	313.46	5.65	314.48	8.22
312.46	1.27	313.48	5.71	314.50	**8.26**
312.48	1.36	313.50	5.77		
312.50	1.45	313.52	5.83		
312.52	1.54	313.54	5.89		
312.54	1.63	313.56	5.95		
312.56	1.72	313.58	6.01		
312.58	1.82	313.60	6.07		
312.60	1.92	313.62	6.13		
312.62	2.01	313.64	6.18		
312.64	2.11	313.66	6.24		
312.66	2.22	313.68	6.30		
312.68	2.32	313.70	6.35		
312.70	2.42	313.72	6.41		
312.72	2.53	313.74	6.46		
312.74	2.63	313.76	6.51		
312.76	2.74	313.78	6.57		
312.78	2.84	313.80	6.62		
312.80	2.95	313.82	6.67		
312.82	3.06	313.84	6.72		
312.84	3.16	313.86	6.78		
312.86	3.27	313.88	6.83		
312.88	3.37	313.90	6.88		
312.90	3.48	313.92	6.93		
312.92	3.58	313.94	6.98		

Stage-Area-Storage for Pond CB10-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
311.92	**0**	312.94	0	313.96	0
311.94	0	312.96	0	313.98	0
311.96	0	312.98	0	314.00	0
311.98	0	313.00	0	314.02	0
312.00	0	313.02	0	314.04	0
312.02	0	313.04	0	314.06	0
312.04	0	313.06	0	314.08	0
312.06	0	313.08	0	314.10	0
312.08	0	313.10	0	314.12	0
312.10	0	313.12	0	314.14	0
312.12	0	313.14	0	314.16	0
312.14	0	313.16	0	314.18	0
312.16	0	313.18	0	314.20	0
312.18	0	313.20	0	314.22	0
312.20	0	313.22	0	314.24	0
312.22	0	313.24	0	314.26	0
312.24	0	313.26	0	314.28	0
312.26	0	313.28	0	314.30	0
312.28	0	313.30	0	314.32	0
312.30	0	313.32	0	314.34	0
312.32	0	313.34	0	314.36	0
312.34	0	313.36	0	314.38	0
312.36	0	313.38	0	314.40	0
312.38	0	313.40	0	314.42	0
312.40	0	313.42	0	314.44	0
312.42	0	313.44	0	314.46	0
312.44	0	313.46	0	314.48	0
312.46	0	313.48	0	314.50	0
312.48	0	313.50	0		
312.50	0	313.52	0		
312.52	0	313.54	0		
312.54	0	313.56	0		
312.56	0	313.58	0		
312.58	0	313.60	0		
312.60	0	313.62	0		
312.62	0	313.64	0		
312.64	0	313.66	0		
312.66	0	313.68	0		
312.68	0	313.70	0		
312.70	0	313.72	0		
312.72	0	313.74	0		
312.74	0	313.76	0		
312.76	0	313.78	0		
312.78	0	313.80	0		
312.80	0	313.82	0		
312.82	0	313.84	0		
312.84	0	313.86	0		
312.86	0	313.88	0		
312.88	0	313.90	0		
312.90	0	313.92	0		
312.92	0	313.94	0		

Summary for Pond CB11: Catchbasin

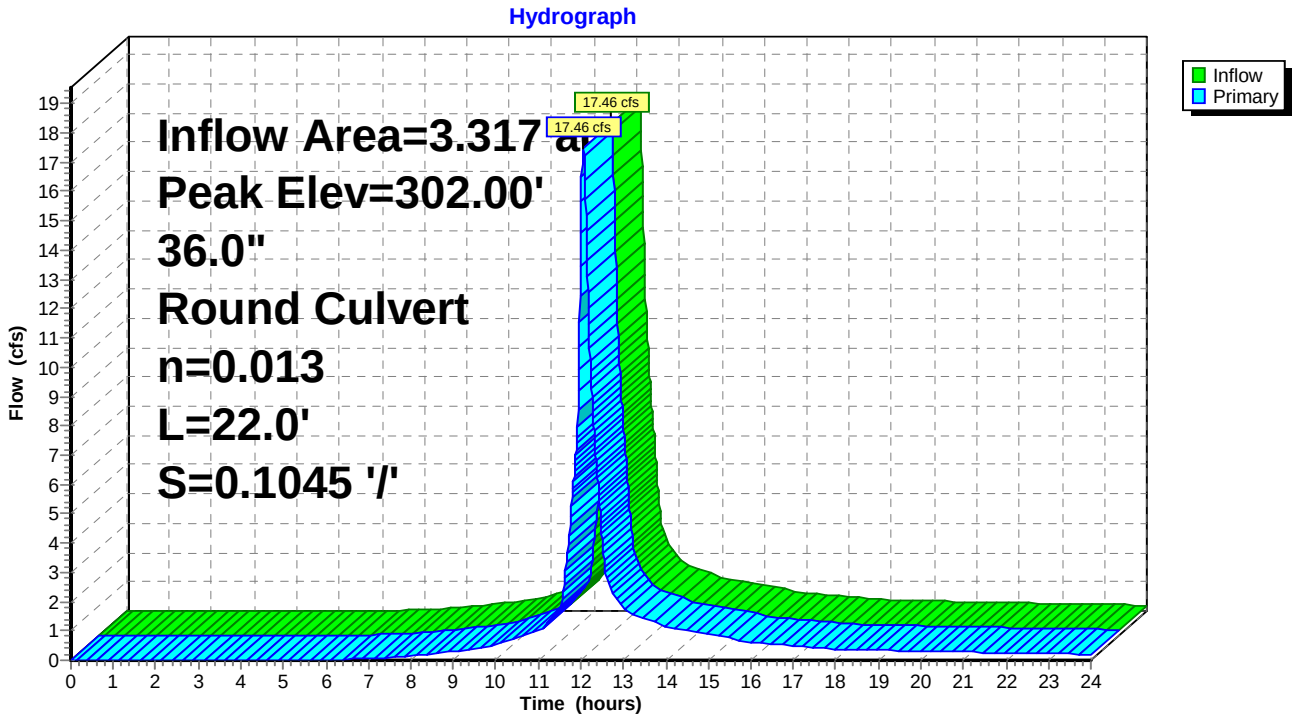
Inflow Area = 3.317 ac, 23.64% Impervious, Inflow Depth > 5.11" for 100-Year event
Inflow = 17.46 cfs @ 12.06 hrs, Volume= 1.412 af
Outflow = 17.46 cfs @ 12.06 hrs, Volume= 1.412 af, Atten= 0%, Lag= 0.0 min
Primary = 17.46 cfs @ 12.06 hrs, Volume= 1.412 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 302.00' @ 12.08 hrs
Flood Elev= 302.00'

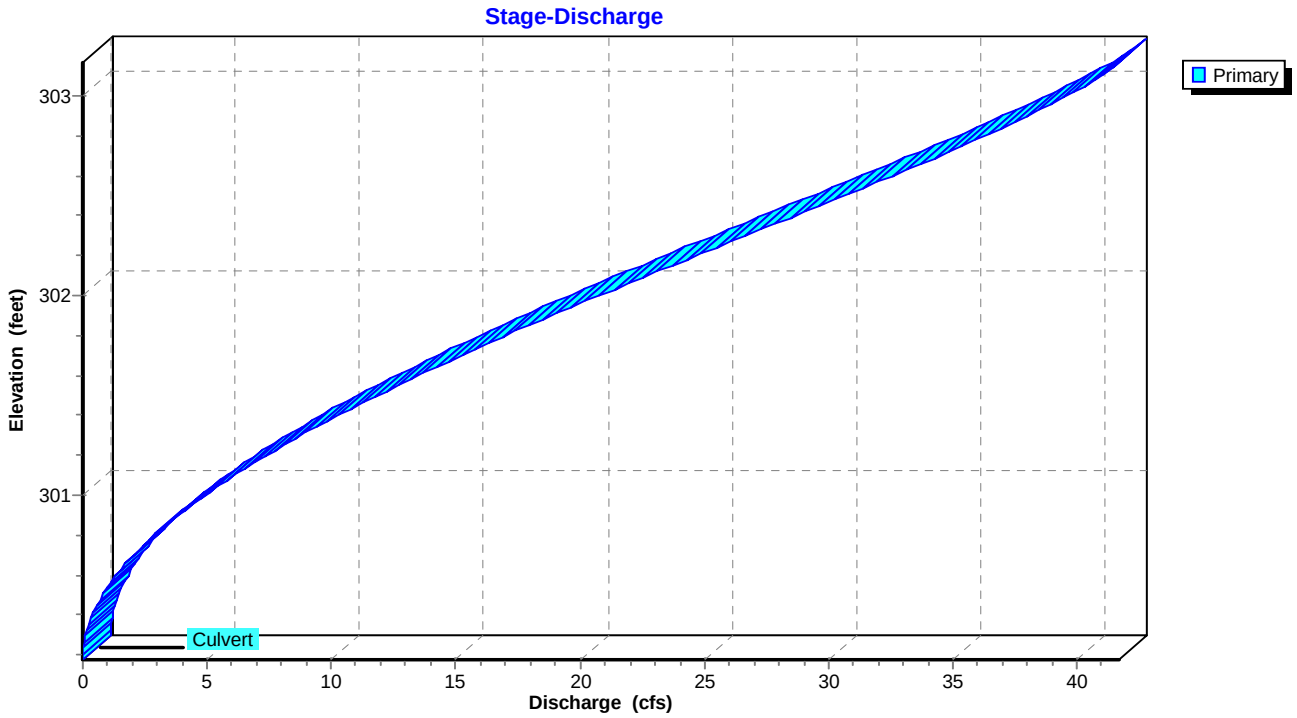
Device	Routing	Invert	Outlet Devices
#1	Primary	300.17'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 300.17' / 297.87' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=17.19 cfs @ 12.06 hrs HW=301.99' TW=301.20' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 17.19 cfs @ 5.49 fps)

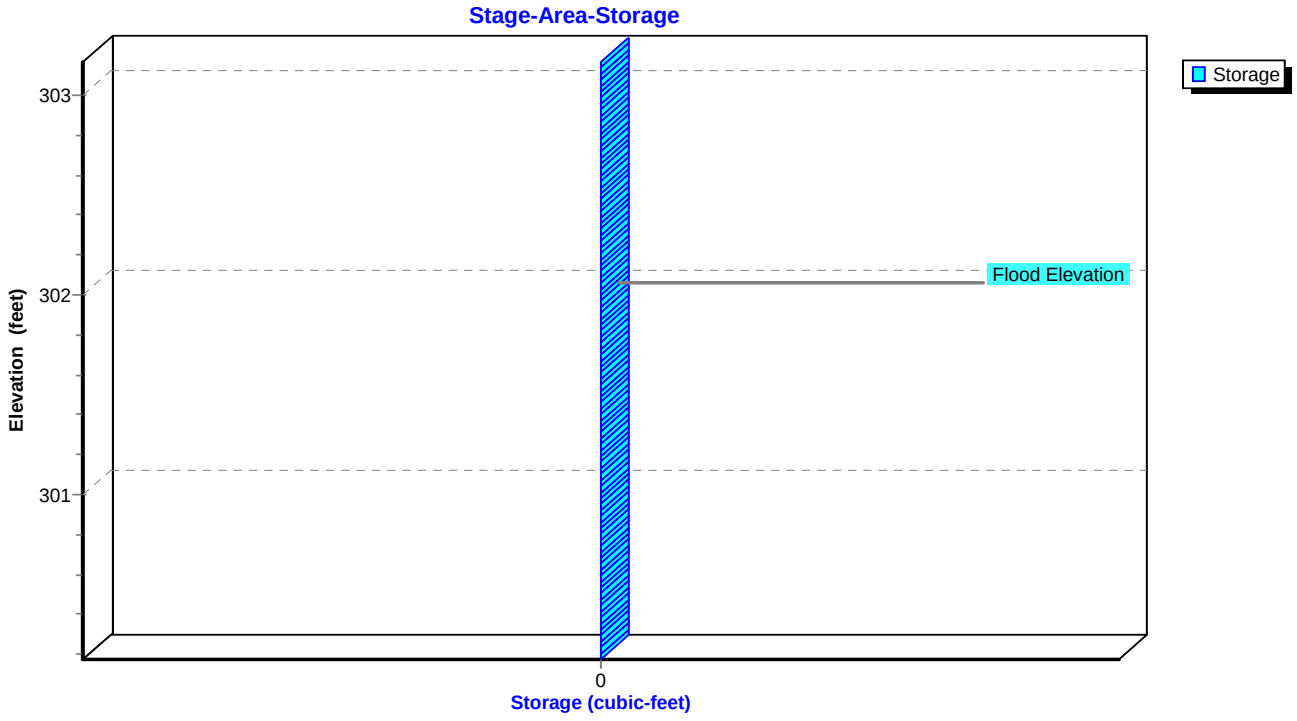
Pond CB11: Catchbasin



Pond CB11: Catchbasin



Pond CB11: Catchbasin



Hydrograph for Pond CB11: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	300.17	0.00
0.50	0.00	300.17	0.00
1.00	0.00	300.17	0.00
1.50	0.00	300.17	0.00
2.00	0.00	300.17	0.00
2.50	0.00	300.17	0.00
3.00	0.00	300.17	0.00
3.50	0.00	300.17	0.00
4.00	0.00	300.17	0.00
4.50	0.00	300.17	0.00
5.00	0.00	300.17	0.00
5.50	0.00	300.19	0.00
6.00	0.01	300.21	0.01
6.50	0.03	300.23	0.03
7.00	0.06	300.26	0.06
7.50	0.09	300.28	0.09
8.00	0.14	300.30	0.14
8.50	0.21	300.33	0.21
9.00	0.30	300.37	0.30
9.50	0.41	300.40	0.41
10.00	0.54	300.44	0.54
10.50	0.75	300.48	0.75
11.00	1.01	300.54	1.01
11.50	1.77	300.66	1.77
12.00	**14.57**	**301.71**	**14.57**
12.50	**4.10**	**300.92**	**4.10**
13.00	1.78	300.66	1.78
13.50	1.41	300.60	1.41
14.00	1.15	300.56	1.15
14.50	1.00	300.53	1.00
15.00	0.87	300.51	0.87
15.50	0.75	300.48	0.75
16.00	0.62	300.45	0.62
16.50	0.55	300.44	0.55
17.00	0.49	300.42	0.49
17.50	0.43	300.41	0.43
18.00	0.38	300.39	0.38
18.50	0.35	300.38	0.35
19.00	0.34	300.38	0.34
19.50	0.32	300.37	0.32
20.00	0.30	300.37	0.30
20.50	0.29	300.36	0.29
21.00	0.28	300.36	0.28
21.50	0.26	300.36	0.26
22.00	0.25	300.35	0.25
22.50	0.24	300.35	0.24
23.00	0.23	300.34	0.23
23.50	0.21	300.34	0.21
24.00	0.20	300.33	0.20

Stage-Discharge for Pond CB11: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
300.17	0.00	301.19	7.29	302.21	24.89
300.19	0.00	301.21	7.56	302.23	25.29
300.21	0.01	301.23	7.83	302.25	25.68
300.23	0.03	301.25	8.11	302.27	26.08
300.25	0.05	301.27	8.39	302.29	26.47
300.27	0.08	301.29	8.67	302.31	26.87
300.29	0.11	301.31	8.96	302.33	27.26
300.31	0.15	301.33	9.25	302.35	27.66
300.33	0.20	301.35	9.55	302.37	28.05
300.35	0.25	301.37	9.85	302.39	28.45
300.37	0.31	301.39	10.15	302.41	28.84
300.39	0.37	301.41	10.46	302.43	29.24
300.41	0.44	301.43	10.77	302.45	29.63
300.43	0.52	301.45	11.08	302.47	30.03
300.45	0.60	301.47	11.40	302.49	30.42
300.47	0.69	301.49	11.72	302.51	30.81
300.49	0.78	301.51	12.04	302.53	31.20
300.51	0.88	301.53	12.37	302.55	31.59
300.53	0.98	301.55	12.70	302.57	31.98
300.55	1.09	301.57	13.03	302.59	32.36
300.57	1.21	301.59	13.37	302.61	32.74
300.59	1.33	301.61	13.70	302.63	33.13
300.61	1.45	301.63	14.05	302.65	33.51
300.63	1.59	301.65	14.39	302.67	33.88
300.65	1.72	301.67	14.74	302.69	34.26
300.67	1.86	301.69	15.09	302.71	34.63
300.69	2.01	301.71	15.44	302.73	35.00
300.71	2.16	301.73	15.79	302.75	35.37
300.73	2.32	301.75	16.15	302.77	35.73
300.75	2.49	301.77	16.51	302.79	36.09
300.77	2.65	301.79	16.87	302.81	36.45
300.79	2.83	301.81	17.24	302.83	36.80
300.81	3.01	301.83	17.61	302.85	37.14
300.83	3.19	301.85	17.97	302.87	37.49
300.85	3.38	301.87	18.34	302.89	37.82
300.87	3.57	301.89	18.72	302.91	38.16
300.89	3.77	301.91	19.09	302.93	38.48
300.91	3.97	301.93	19.47	302.95	38.80
300.93	4.18	301.95	19.85	302.97	39.12
300.95	4.39	301.97	20.23	302.99	39.42
300.97	4.61	301.99	20.61	303.01	39.72
300.99	4.83	302.01	20.99	303.03	40.01
301.01	5.06	302.03	21.38	303.05	40.29
301.03	5.29	302.05	21.76	303.07	40.56
301.05	5.52	302.07	22.15	303.09	40.82
301.07	5.76	302.09	22.54	303.11	41.07
301.09	6.00	302.11	22.93	303.13	41.30
301.11	6.25	302.13	23.32	303.15	41.51
301.13	6.51	302.15	23.71	303.17	**41.68**
301.15	6.76	302.17	24.10		
301.17	7.02	302.19	24.50		

Stage-Area-Storage for Pond CB11: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
300.17	**0**	301.19	0	302.21	0
300.19	0	301.21	0	302.23	0
300.21	0	301.23	0	302.25	0
300.23	0	301.25	0	302.27	0
300.25	0	301.27	0	302.29	0
300.27	0	301.29	0	302.31	0
300.29	0	301.31	0	302.33	0
300.31	0	301.33	0	302.35	0
300.33	0	301.35	0	302.37	0
300.35	0	301.37	0	302.39	0
300.37	0	301.39	0	302.41	0
300.39	0	301.41	0	302.43	0
300.41	0	301.43	0	302.45	0
300.43	0	301.45	0	302.47	0
300.45	0	301.47	0	302.49	0
300.47	0	301.49	0	302.51	0
300.49	0	301.51	0	302.53	0
300.51	0	301.53	0	302.55	0
300.53	0	301.55	0	302.57	0
300.55	0	301.57	0	302.59	0
300.57	0	301.59	0	302.61	0
300.59	0	301.61	0	302.63	0
300.61	0	301.63	0	302.65	0
300.63	0	301.65	0	302.67	0
300.65	0	301.67	0	302.69	0
300.67	0	301.69	0	302.71	0
300.69	0	301.71	0	302.73	0
300.71	0	301.73	0	302.75	0
300.73	0	301.75	0	302.77	0
300.75	0	301.77	0	302.79	0
300.77	0	301.79	0	302.81	0
300.79	0	301.81	0	302.83	0
300.81	0	301.83	0	302.85	0
300.83	0	301.85	0	302.87	0
300.85	0	301.87	0	302.89	0
300.87	0	301.89	0	302.91	0
300.89	0	301.91	0	302.93	0
300.91	0	301.93	0	302.95	0
300.93	0	301.95	0	302.97	0
300.95	0	301.97	0	302.99	0
300.97	0	301.99	0	303.01	0
300.99	0	302.01	0	303.03	0
301.01	0	302.03	0	303.05	0
301.03	0	302.05	0	303.07	0
301.05	0	302.07	0	303.09	0
301.07	0	302.09	0	303.11	0
301.09	0	302.11	0	303.13	0
301.11	0	302.13	0	303.15	0
301.13	0	302.15	0	303.17	0
301.15	0	302.17	0		
301.17	0	302.19	0		

Summary for Pond CB11-1: CB1-1

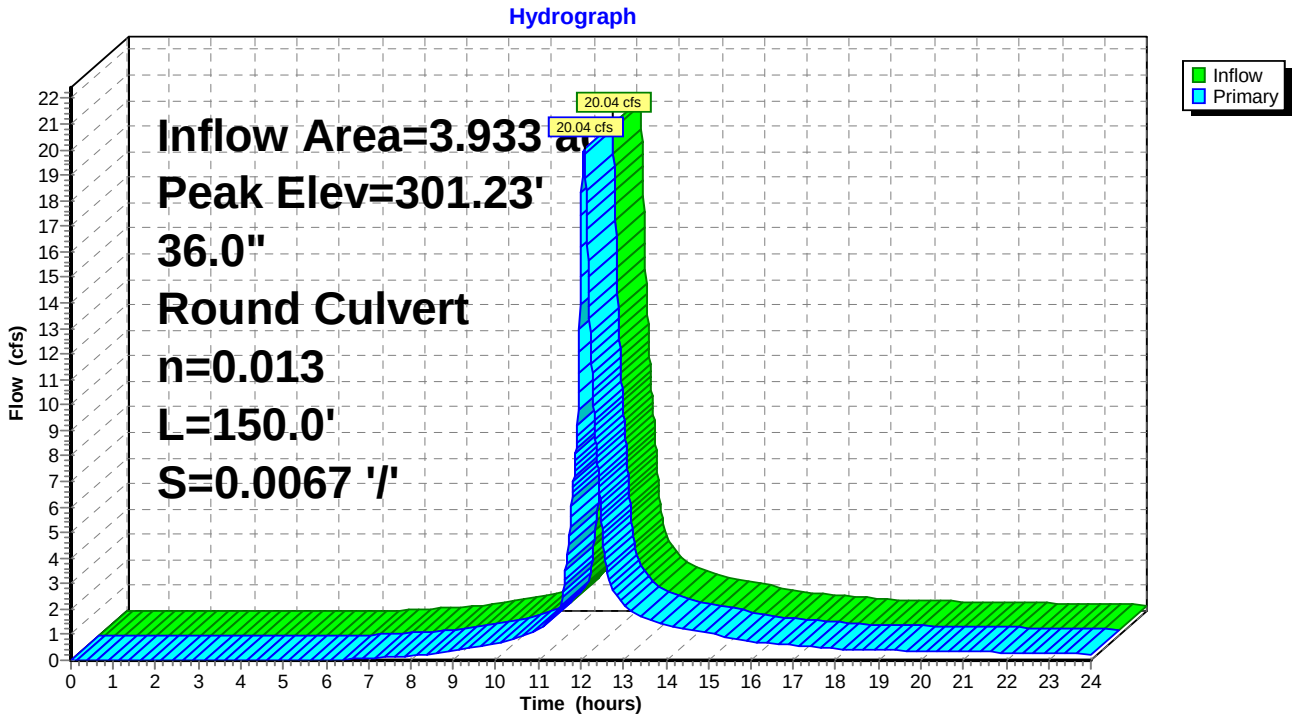
Inflow Area = 3.933 ac, 24.57% Impervious, Inflow Depth > 5.13" for 100-Year event
Inflow = 20.04 cfs @ 12.07 hrs, Volume= 1.682 af
Outflow = 20.04 cfs @ 12.07 hrs, Volume= 1.682 af, Atten= 0%, Lag= 0.0 min
Primary = 20.04 cfs @ 12.07 hrs, Volume= 1.682 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 301.23' @ 12.08 hrs
Flood Elev= 304.80'

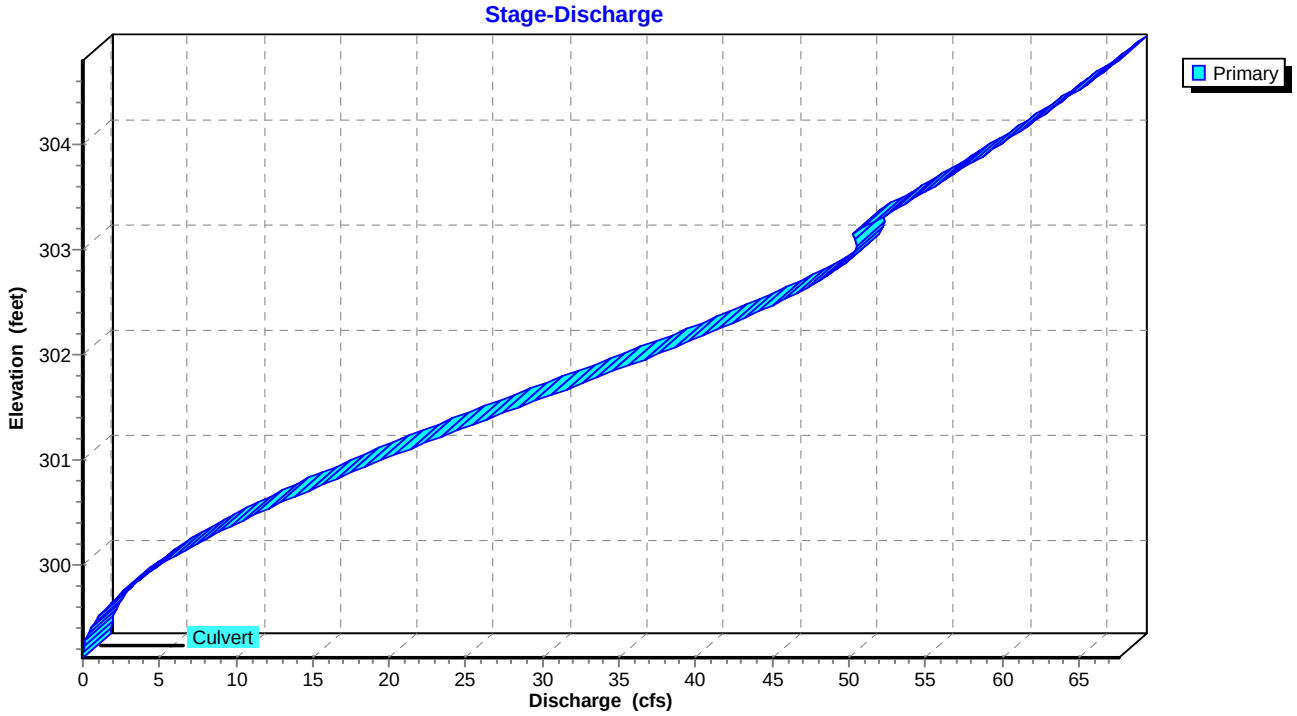
Device	Routing	Invert	Outlet Devices
#1	Primary	299.12'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 299.12' / 298.12' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=19.83 cfs @ 12.07 hrs HW=301.22' TW=300.13' (Dynamic Tailwater)
1=Culvert (Outlet Controls 19.83 cfs @ 5.26 fps)

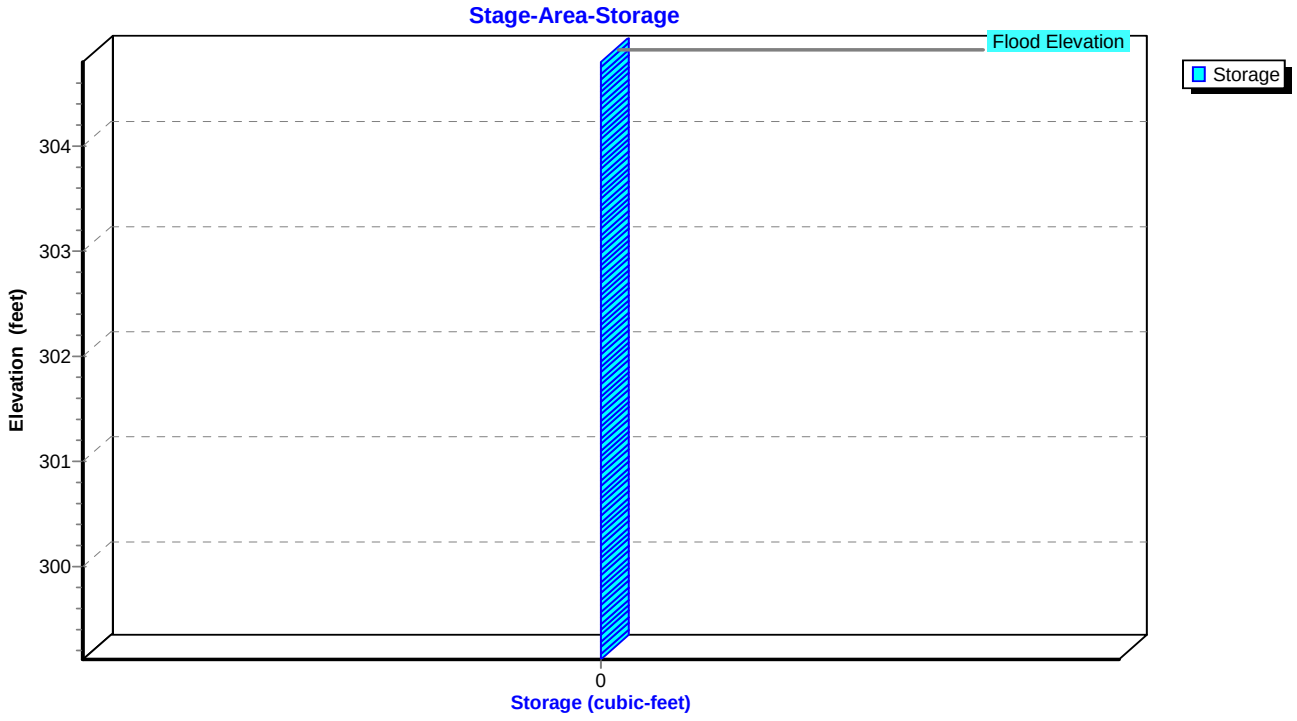
Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Pond CB11-1: CB1-1



Hydrograph for Pond CB11-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	299.12	0.00
0.50	0.00	299.12	0.00
1.00	0.00	299.12	0.00
1.50	0.00	299.12	0.00
2.00	0.00	299.12	0.00
2.50	0.00	299.12	0.00
3.00	0.00	299.12	0.00
3.50	0.00	299.12	0.00
4.00	0.00	299.12	0.00
4.50	0.00	299.12	0.00
5.00	0.00	299.12	0.00
5.50	0.00	299.15	0.00
6.00	0.01	299.17	0.01
6.50	0.04	299.20	0.04
7.00	0.07	299.23	0.07
7.50	0.12	299.26	0.12
8.00	0.17	299.28	0.17
8.50	0.25	299.32	0.25
9.00	0.36	299.36	0.36
9.50	0.49	299.39	0.49
10.00	0.64	299.43	0.64
10.50	0.89	299.48	0.89
11.00	1.20	299.54	1.20
11.50	2.09	299.68	2.09
12.00	**16.21**	**300.90**	**16.21**
12.50	**5.17**	**300.06**	**5.17**
13.00	2.15	299.70	2.15
13.50	1.68	299.63	1.68
14.00	1.37	299.57	1.37
14.50	1.19	299.54	1.19
15.00	1.04	299.51	1.04
15.50	0.89	299.48	0.89
16.00	0.74	299.45	0.74
16.50	0.65	299.43	0.65
17.00	0.59	299.42	0.59
17.50	0.52	299.40	0.52
18.00	0.45	299.38	0.45
18.50	0.42	299.37	0.42
19.00	0.40	299.37	0.40
19.50	0.38	299.36	0.38
20.00	0.36	299.36	0.36
20.50	0.34	299.35	0.34
21.00	0.33	299.35	0.33
21.50	0.31	299.34	0.31
22.00	0.30	299.34	0.30
22.50	0.28	299.33	0.28
23.00	0.27	299.32	0.27
23.50	0.25	299.32	0.25
24.00	0.24	299.31	0.24

Stage-Discharge for Pond CB11-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
299.12	0.00	301.16	22.29	303.20	50.85
299.16	0.01	301.20	23.00	303.24	51.33
299.20	0.04	301.24	23.70	303.28	51.81
299.24	0.09	301.28	24.42	303.32	52.29
299.28	0.16	301.32	25.13	303.36	52.76
299.32	0.26	301.36	25.85	303.40	53.23
299.36	0.38	301.40	26.57	303.44	53.70
299.40	0.52	301.44	27.29	303.48	54.16
299.44	0.68	301.48	28.01	303.52	54.62
299.48	0.87	301.52	28.74	303.56	55.07
299.52	1.08	301.56	29.46	303.60	55.52
299.56	1.31	301.60	30.19	303.64	55.97
299.60	1.56	301.64	30.91	303.68	56.41
299.64	1.83	301.68	31.63	303.72	56.85
299.68	2.12	301.72	32.36	303.76	57.28
299.72	2.42	301.76	33.08	303.80	57.71
299.76	2.75	301.80	33.79	303.84	58.14
299.80	3.09	301.84	34.51	303.88	58.57
299.84	3.46	301.88	35.22	303.92	58.99
299.88	3.83	301.92	35.93	303.96	59.41
299.92	4.23	301.96	36.64	304.00	59.83
299.96	4.64	302.00	37.34	304.04	60.24
300.00	5.07	302.04	38.03	304.08	60.65
300.04	5.51	302.08	38.72	304.12	61.06
300.08	5.96	302.12	39.40	304.16	61.47
300.12	6.43	302.16	40.08	304.20	61.87
300.16	6.91	302.20	40.74	304.24	62.27
300.20	7.41	302.24	41.40	304.28	62.67
300.24	7.92	302.28	42.05	304.32	63.07
300.28	8.44	302.32	42.68	304.36	63.46
300.32	8.97	302.36	43.31	304.40	63.85
300.36	9.52	302.40	43.92	304.44	64.24
300.40	10.07	302.44	44.52	304.48	64.62
300.44	10.64	302.48	45.11	304.52	65.01
300.48	11.22	302.52	45.68	304.56	65.39
300.52	11.81	302.56	46.23	304.60	65.77
300.56	12.40	302.60	46.76	304.64	66.14
300.60	13.01	302.64	47.28	304.68	66.52
300.64	13.63	302.68	47.77	304.72	66.89
300.68	14.25	302.72	48.23	304.76	67.26
300.72	14.88	302.76	48.67	304.80	**67.63**
300.76	15.52	302.80	49.08		
300.80	16.17	302.84	49.46		
300.84	16.83	302.88	49.80		
300.88	17.49	302.92	50.09		
300.92	18.16	302.96	50.33		
300.96	18.83	303.00	50.50		
301.00	19.51	303.04	50.59		
301.04	20.20	303.08	50.53		
301.08	20.89	303.12	49.86		
301.12	21.59	303.16	50.35		

Stage-Area-Storage for Pond CB11-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
299.12	**0**	301.16	0	303.20	0
299.16	0	301.20	0	303.24	0
299.20	0	301.24	0	303.28	0
299.24	0	301.28	0	303.32	0
299.28	0	301.32	0	303.36	0
299.32	0	301.36	0	303.40	0
299.36	0	301.40	0	303.44	0
299.40	0	301.44	0	303.48	0
299.44	0	301.48	0	303.52	0
299.48	0	301.52	0	303.56	0
299.52	0	301.56	0	303.60	0
299.56	0	301.60	0	303.64	0
299.60	0	301.64	0	303.68	0
299.64	0	301.68	0	303.72	0
299.68	0	301.72	0	303.76	0
299.72	0	301.76	0	303.80	0
299.76	0	301.80	0	303.84	0
299.80	0	301.84	0	303.88	0
299.84	0	301.88	0	303.92	0
299.88	0	301.92	0	303.96	0
299.92	0	301.96	0	304.00	0
299.96	0	302.00	0	304.04	0
300.00	0	302.04	0	304.08	0
300.04	0	302.08	0	304.12	0
300.08	0	302.12	0	304.16	0
300.12	0	302.16	0	304.20	0
300.16	0	302.20	0	304.24	0
300.20	0	302.24	0	304.28	0
300.24	0	302.28	0	304.32	0
300.28	0	302.32	0	304.36	0
300.32	0	302.36	0	304.40	0
300.36	0	302.40	0	304.44	0
300.40	0	302.44	0	304.48	0
300.44	0	302.48	0	304.52	0
300.48	0	302.52	0	304.56	0
300.52	0	302.56	0	304.60	0
300.56	0	302.60	0	304.64	0
300.60	0	302.64	0	304.68	0
300.64	0	302.68	0	304.72	0
300.68	0	302.72	0	304.76	0
300.72	0	302.76	0	304.80	0
300.76	0	302.80	0		
300.80	0	302.84	0		
300.84	0	302.88	0		
300.88	0	302.92	0		
300.92	0	302.96	0		
300.96	0	303.00	0		
301.00	0	303.04	0		
301.04	0	303.08	0		
301.08	0	303.12	0		
301.12	0	303.16	0		

Summary for Pond CB12: Catchbasin

[43] Hint: Has no inflow (Outflow=Zero)

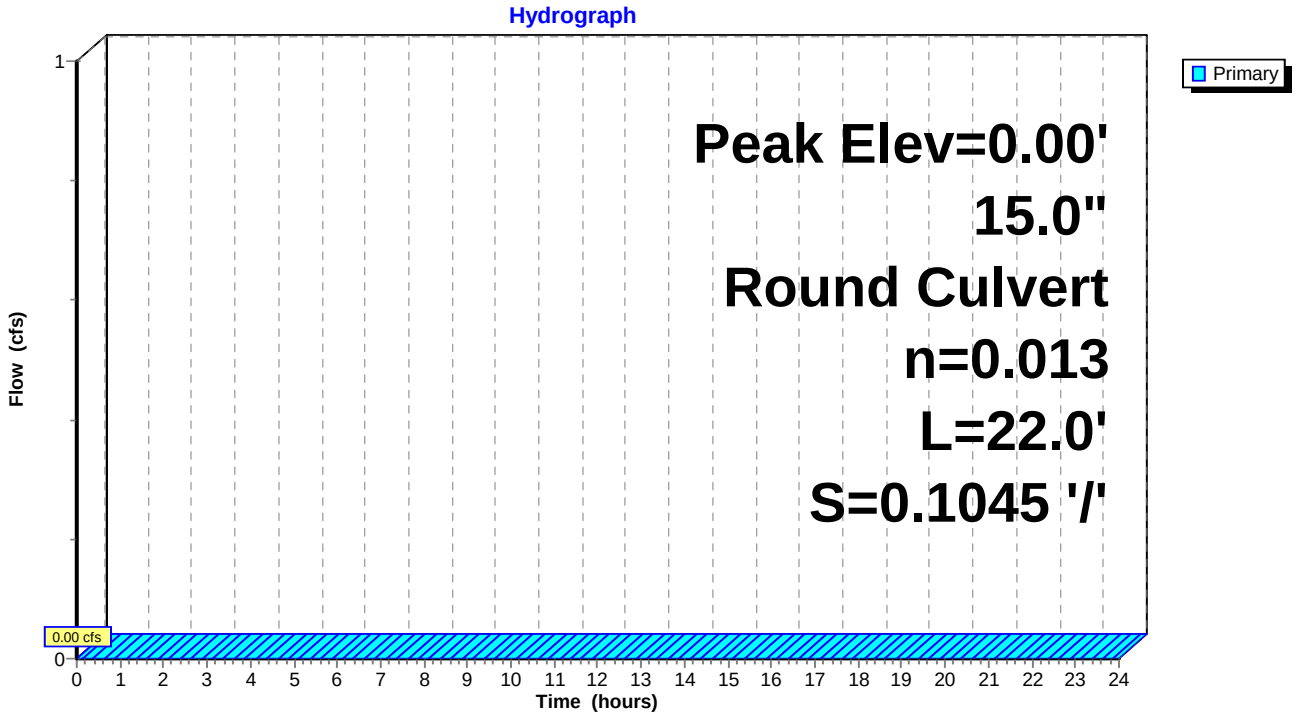
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 298.50'

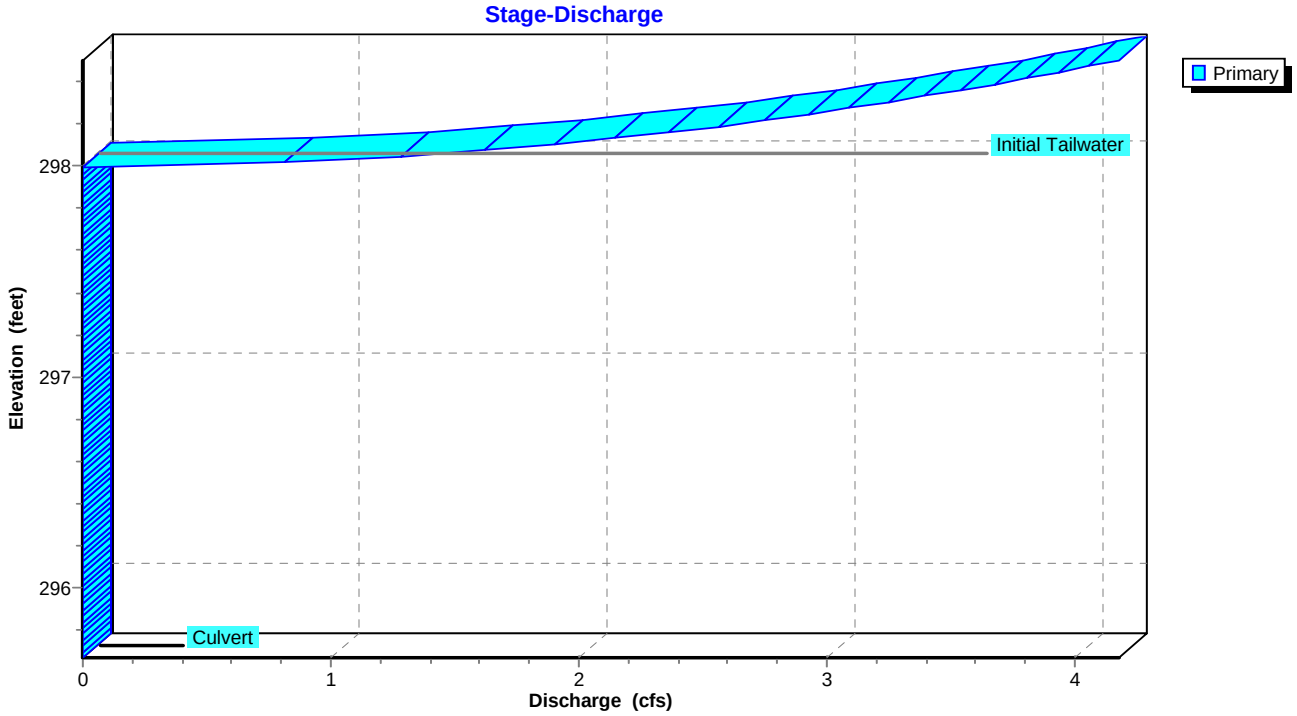
Device	Routing	Invert	Outlet Devices
#1	Primary	295.67'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 295.67' / 293.37' S= 0.1045 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=298.00' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

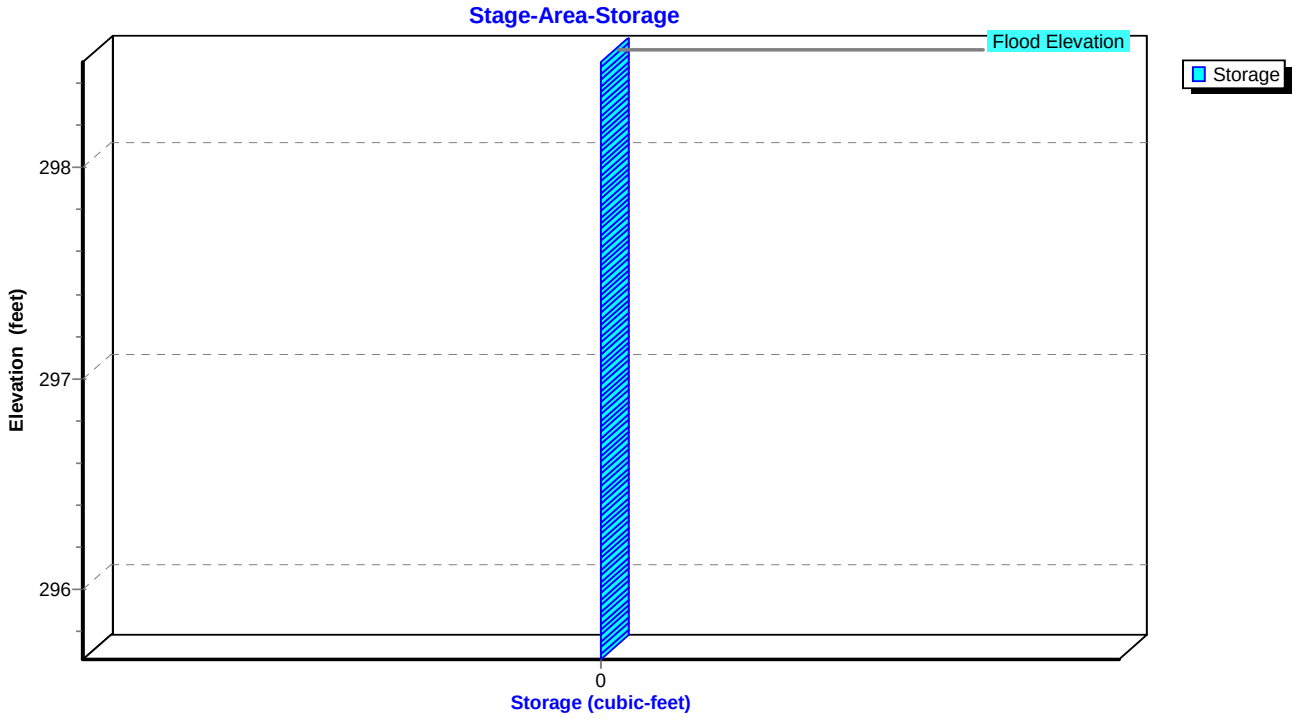
Pond CB12: Catchbasin



Pond CB12: Catchbasin



Pond CB12: Catchbasin



Stage-Discharge for Pond CB12: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
295.67	0.00	296.69	0.00	297.71	0.00
295.69	0.00	296.71	0.00	297.73	0.00
295.71	0.00	296.73	0.00	297.75	0.00
295.73	0.00	296.75	0.00	297.77	0.00
295.75	0.00	296.77	0.00	297.79	0.00
295.77	0.00	296.79	0.00	297.81	0.00
295.79	0.00	296.81	0.00	297.83	0.00
295.81	0.00	296.83	0.00	297.85	0.00
295.83	0.00	296.85	0.00	297.87	0.00
295.85	0.00	296.87	0.00	297.89	0.00
295.87	0.00	296.89	0.00	297.91	0.00
295.89	0.00	296.91	0.00	297.93	0.00
295.91	0.00	296.93	0.00	297.95	0.00
295.93	0.00	296.95	0.00	297.97	0.00
295.95	0.00	296.97	0.00	297.99	0.00
295.97	0.00	296.99	0.00	298.01	0.59
295.99	0.00	297.01	0.00	298.03	1.02
296.01	0.00	297.03	0.00	298.05	1.32
296.03	0.00	297.05	0.00	298.07	1.56
296.05	0.00	297.07	0.00	298.09	1.77
296.07	0.00	297.09	0.00	298.11	1.96
296.09	0.00	297.11	0.00	298.13	2.13
296.11	0.00	297.13	0.00	298.15	2.29
296.13	0.00	297.15	0.00	298.17	2.44
296.15	0.00	297.17	0.00	298.19	2.58
296.17	0.00	297.19	0.00	298.21	2.71
296.19	0.00	297.21	0.00	298.23	2.83
296.21	0.00	297.23	0.00	298.25	2.95
296.23	0.00	297.25	0.00	298.27	3.07
296.25	0.00	297.27	0.00	298.29	3.18
296.27	0.00	297.29	0.00	298.31	3.29
296.29	0.00	297.31	0.00	298.33	3.39
296.31	0.00	297.33	0.00	298.35	3.50
296.33	0.00	297.35	0.00	298.37	3.59
296.35	0.00	297.37	0.00	298.39	3.69
296.37	0.00	297.39	0.00	298.41	3.78
296.39	0.00	297.41	0.00	298.43	3.87
296.41	0.00	297.43	0.00	298.45	3.96
296.43	0.00	297.45	0.00	298.47	4.05
296.45	0.00	297.47	0.00	298.49	**4.14**
296.47	0.00	297.49	0.00		
296.49	0.00	297.51	0.00		
296.51	0.00	297.53	0.00		
296.53	0.00	297.55	0.00		
296.55	0.00	297.57	0.00		
296.57	0.00	297.59	0.00		
296.59	0.00	297.61	0.00		
296.61	0.00	297.63	0.00		
296.63	0.00	297.65	0.00		
296.65	0.00	297.67	0.00		
296.67	0.00	297.69	0.00		

Stage-Area-Storage for Pond CB12: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
295.67	**0**	296.69	0	297.71	0
295.69	0	296.71	0	297.73	0
295.71	0	296.73	0	297.75	0
295.73	0	296.75	0	297.77	0
295.75	0	296.77	0	297.79	0
295.77	0	296.79	0	297.81	0
295.79	0	296.81	0	297.83	0
295.81	0	296.83	0	297.85	0
295.83	0	296.85	0	297.87	0
295.85	0	296.87	0	297.89	0
295.87	0	296.89	0	297.91	0
295.89	0	296.91	0	297.93	0
295.91	0	296.93	0	297.95	0
295.93	0	296.95	0	297.97	0
295.95	0	296.97	0	297.99	0
295.97	0	296.99	0	298.01	0
295.99	0	297.01	0	298.03	0
296.01	0	297.03	0	298.05	0
296.03	0	297.05	0	298.07	0
296.05	0	297.07	0	298.09	0
296.07	0	297.09	0	298.11	0
296.09	0	297.11	0	298.13	0
296.11	0	297.13	0	298.15	0
296.13	0	297.15	0	298.17	0
296.15	0	297.17	0	298.19	0
296.17	0	297.19	0	298.21	0
296.19	0	297.21	0	298.23	0
296.21	0	297.23	0	298.25	0
296.23	0	297.25	0	298.27	0
296.25	0	297.27	0	298.29	0
296.27	0	297.29	0	298.31	0
296.29	0	297.31	0	298.33	0
296.31	0	297.33	0	298.35	0
296.33	0	297.35	0	298.37	0
296.35	0	297.37	0	298.39	0
296.37	0	297.39	0	298.41	0
296.39	0	297.41	0	298.43	0
296.41	0	297.43	0	298.45	0
296.43	0	297.45	0	298.47	0
296.45	0	297.47	0	298.49	0
296.47	0	297.49	0		
296.49	0	297.51	0		
296.51	0	297.53	0		
296.53	0	297.55	0		
296.55	0	297.57	0		
296.57	0	297.59	0		
296.59	0	297.61	0		
296.61	0	297.63	0		
296.63	0	297.65	0		
296.65	0	297.67	0		
296.67	0	297.69	0		

Summary for Pond CB12-1: CB1-1

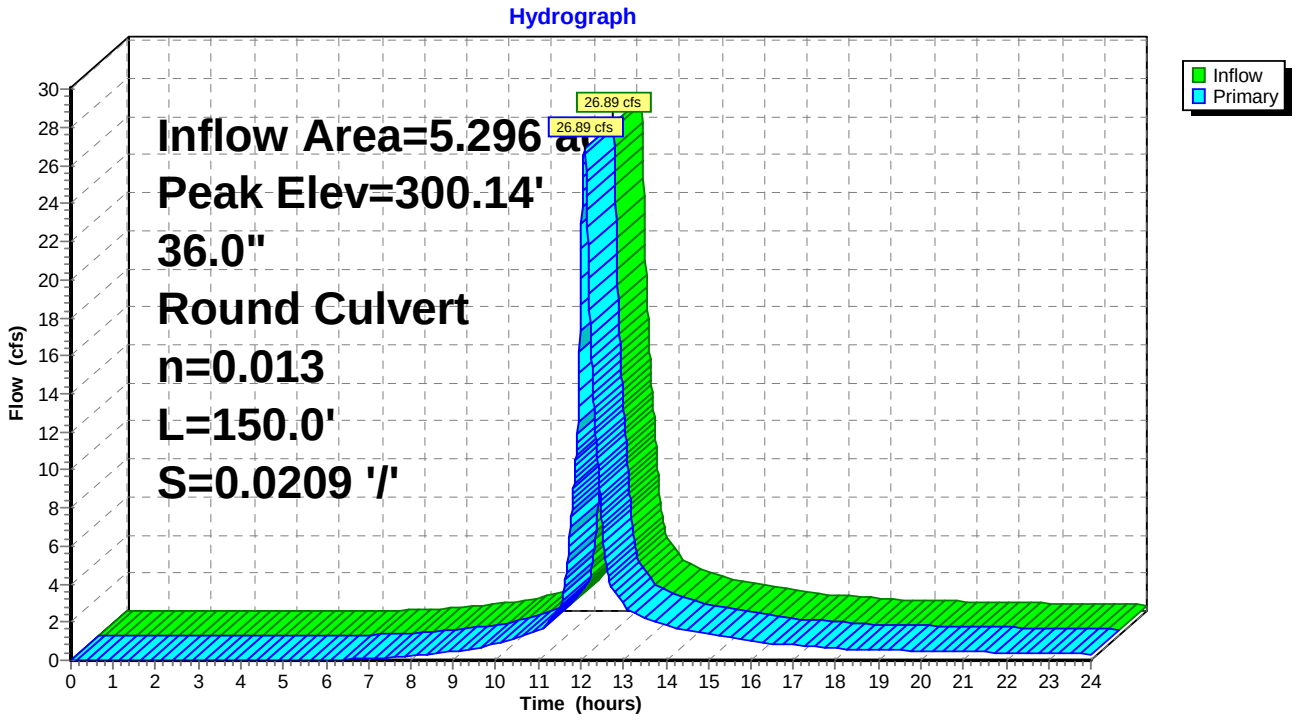
Inflow Area = 5.296 ac, 22.57% Impervious, Inflow Depth > 5.08" for 100-Year event
Inflow = 26.89 cfs @ 12.09 hrs, Volume= 2.242 af
Outflow = 26.89 cfs @ 12.09 hrs, Volume= 2.242 af, Atten= 0%, Lag= 0.0 min
Primary = 26.89 cfs @ 12.09 hrs, Volume= 2.242 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 300.14' @ 12.09 hrs
Flood Elev= 302.30'

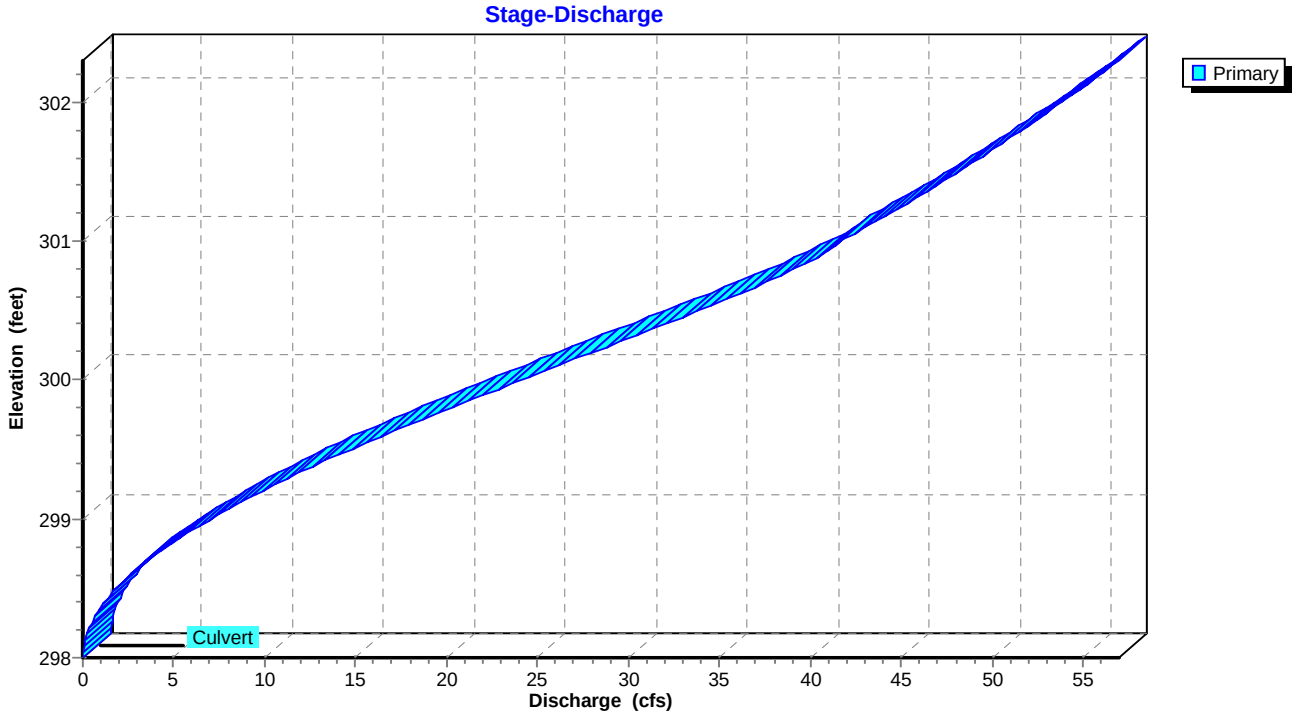
Device	Routing	Invert	Outlet Devices
#1	Primary	298.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 298.00' / 294.87' S= 0.0209 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=26.86 cfs @ 12.09 hrs HW=300.14' TW=296.98' (Dynamic Tailwater)
1=Culvert (Inlet Controls 26.86 cfs @ 4.98 fps)

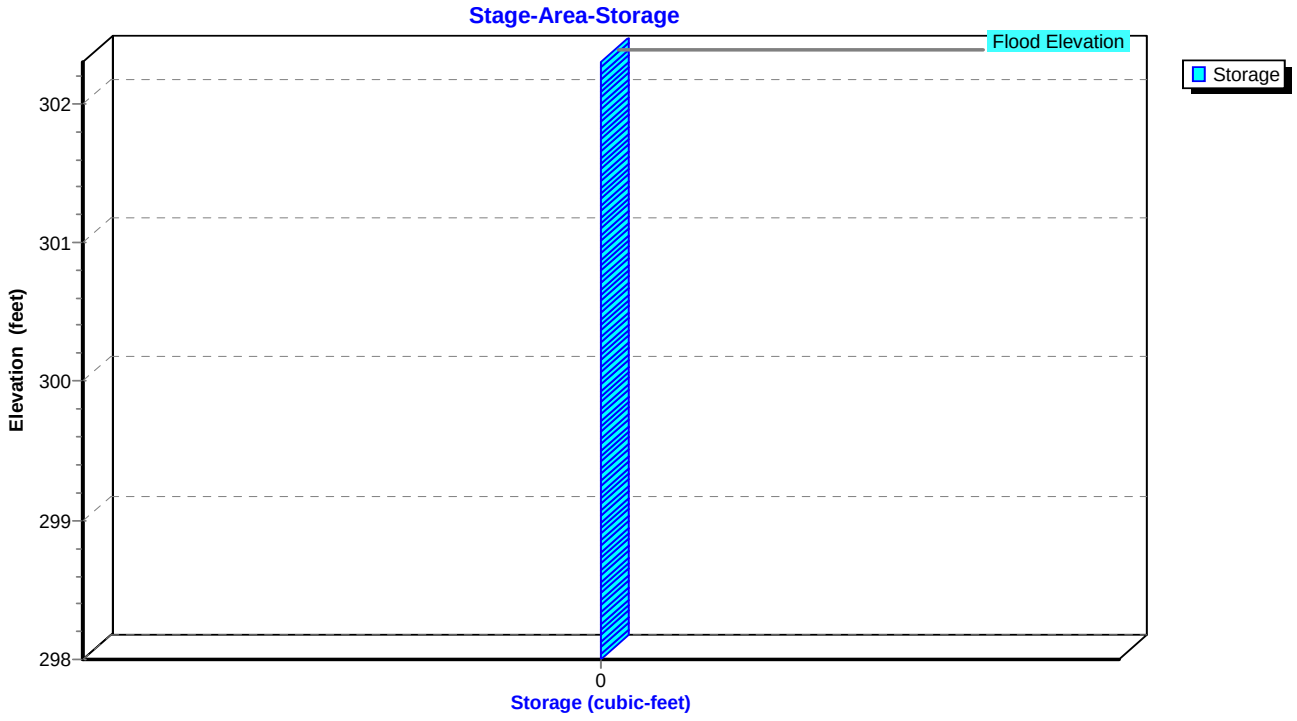
Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Pond CB12-1: CB1-1



Hydrograph for Pond CB12-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	298.00	0.00
0.50	0.00	298.00	0.00
1.00	0.00	298.00	0.00
1.50	0.00	298.00	0.00
2.00	0.00	298.00	0.00
2.50	0.00	298.00	0.00
3.00	0.00	298.00	0.00
3.50	0.00	298.00	0.00
4.00	0.00	298.00	0.00
4.50	0.00	298.00	0.00
5.00	0.00	298.00	0.00
5.50	0.00	298.02	0.00
6.00	0.01	298.04	0.01
6.50	0.04	298.07	0.04
7.00	0.09	298.10	0.09
7.50	0.14	298.14	0.14
8.00	0.21	298.17	0.21
8.50	0.32	298.20	0.32
9.00	0.46	298.25	0.46
9.50	0.64	298.29	0.64
10.00	0.84	298.33	0.84
10.50	1.16	298.39	1.16
11.00	1.57	298.46	1.57
11.50	2.74	298.61	2.74
12.00	**20.09**	**299.79**	**20.09**
12.50	**7.17**	**299.01**	**7.17**
13.00	2.91	298.63	2.91
13.50	2.26	298.55	2.26
14.00	1.85	298.50	1.85
14.50	1.60	298.46	1.60
15.00	1.40	298.43	1.40
15.50	1.20	298.40	1.20
16.00	0.99	298.36	0.99
16.50	0.88	298.34	0.88
17.00	0.79	298.32	0.79
17.50	0.70	298.30	0.70
18.00	0.61	298.28	0.61
18.50	0.57	298.27	0.57
19.00	0.54	298.27	0.54
19.50	0.51	298.26	0.51
20.00	0.48	298.25	0.48
20.50	0.46	298.25	0.46
21.00	0.44	298.24	0.44
21.50	0.42	298.23	0.42
22.00	0.40	298.23	0.40
22.50	0.38	298.22	0.38
23.00	0.36	298.22	0.36
23.50	0.34	298.21	0.34
24.00	0.32	298.20	0.32

Stage-Discharge for Pond CB12-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
298.00	0.00	300.55	34.82
298.05	0.02	300.60	35.73
298.10	0.08	300.65	36.62
298.15	0.17	300.70	37.49
298.20	0.31	300.75	38.32
298.25	0.48	300.80	39.12
298.30	0.69	300.85	39.87
298.35	0.93	300.90	40.56
298.40	1.21	300.95	41.19
298.45	1.52	301.00	41.68
298.50	1.86	301.05	42.37
298.55	2.24	301.10	43.05
298.60	2.65	301.15	43.72
298.65	3.10	301.20	44.38
298.70	3.57	301.25	45.02
298.75	4.07	301.30	45.66
298.80	4.61	301.35	46.29
298.85	5.17	301.40	46.91
298.90	5.76	301.45	47.53
298.95	6.38	301.50	48.13
299.00	7.02	301.55	48.73
299.05	7.69	301.60	49.32
299.10	8.39	301.65	49.91
299.15	9.11	301.70	50.48
299.20	9.85	301.75	51.05
299.25	10.61	301.80	51.62
299.30	11.40	301.85	52.17
299.35	12.20	301.90	52.73
299.40	13.03	301.95	53.27
299.45	13.88	302.00	53.81
299.50	14.74	302.05	54.35
299.55	15.62	302.10	54.88
299.60	16.51	302.15	55.41
299.65	17.42	302.20	55.93
299.70	18.34	302.25	56.44
299.75	19.28	302.30	**56.95**
299.80	20.23		
299.85	21.18		
299.90	22.15		
299.95	23.12		
300.00	24.10		
300.05	25.09		
300.10	26.08		
300.15	27.07		
300.20	28.05		
300.25	29.04		
300.30	30.03		
300.35	31.00		
300.40	31.98		
300.45	32.94		
300.50	33.88		

Stage-Area-Storage for Pond CB12-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
298.00	**0**	300.55	0
298.05	0	300.60	0
298.10	0	300.65	0
298.15	0	300.70	0
298.20	0	300.75	0
298.25	0	300.80	0
298.30	0	300.85	0
298.35	0	300.90	0
298.40	0	300.95	0
298.45	0	301.00	0
298.50	0	301.05	0
298.55	0	301.10	0
298.60	0	301.15	0
298.65	0	301.20	0
298.70	0	301.25	0
298.75	0	301.30	0
298.80	0	301.35	0
298.85	0	301.40	0
298.90	0	301.45	0
298.95	0	301.50	0
299.00	0	301.55	0
299.05	0	301.60	0
299.10	0	301.65	0
299.15	0	301.70	0
299.20	0	301.75	0
299.25	0	301.80	0
299.30	0	301.85	0
299.35	0	301.90	0
299.40	0	301.95	0
299.45	0	302.00	0
299.50	0	302.05	0
299.55	0	302.10	0
299.60	0	302.15	0
299.65	0	302.20	0
299.70	0	302.25	0
299.75	0	302.30	0
299.80	0		
299.85	0		
299.90	0		
299.95	0		
300.00	0		
300.05	0		
300.10	0		
300.15	0		
300.20	0		
300.25	0		
300.30	0		
300.35	0		
300.40	0		
300.45	0		
300.50	0		

Summary for Pond CB13: Catchbasin

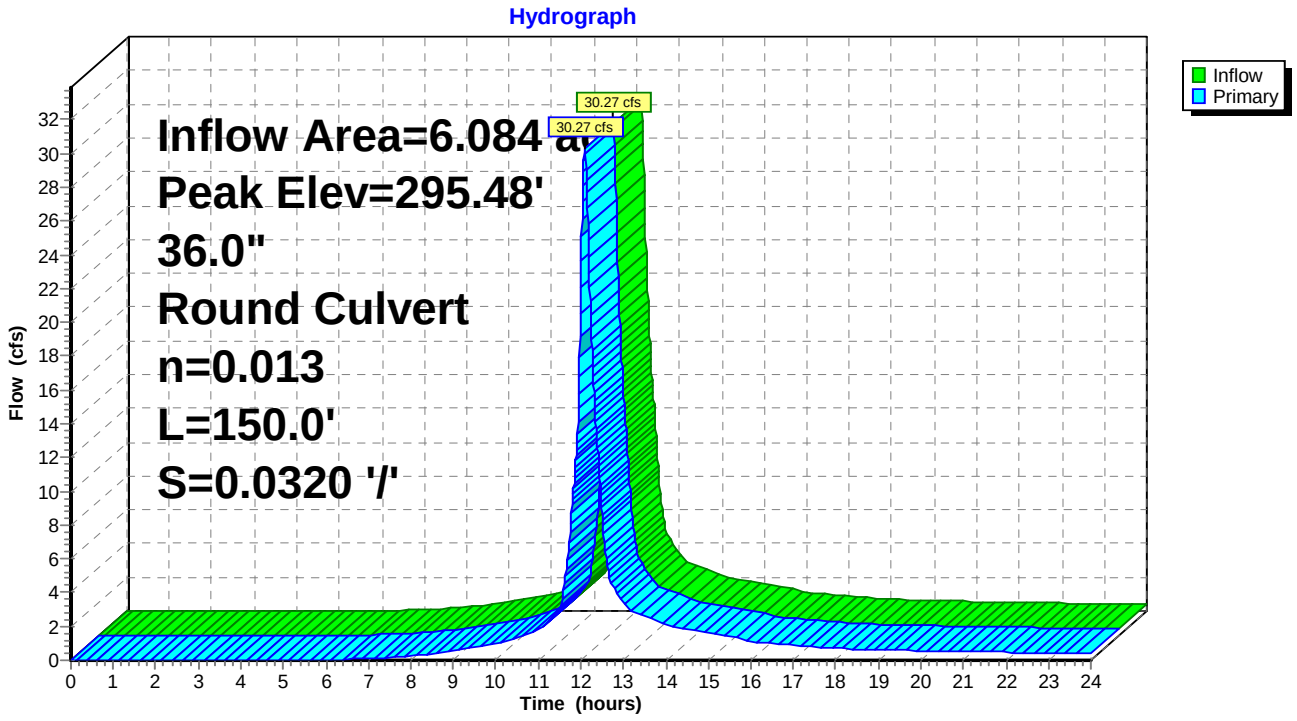
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 5.10" for 100-Year event
Inflow = 30.27 cfs @ 12.09 hrs, Volume= 2.587 af
Outflow = 30.27 cfs @ 12.09 hrs, Volume= 2.587 af, Atten= 0%, Lag= 0.0 min
Primary = 30.27 cfs @ 12.09 hrs, Volume= 2.587 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 295.48' @ 12.09 hrs
Flood Elev= 296.00'

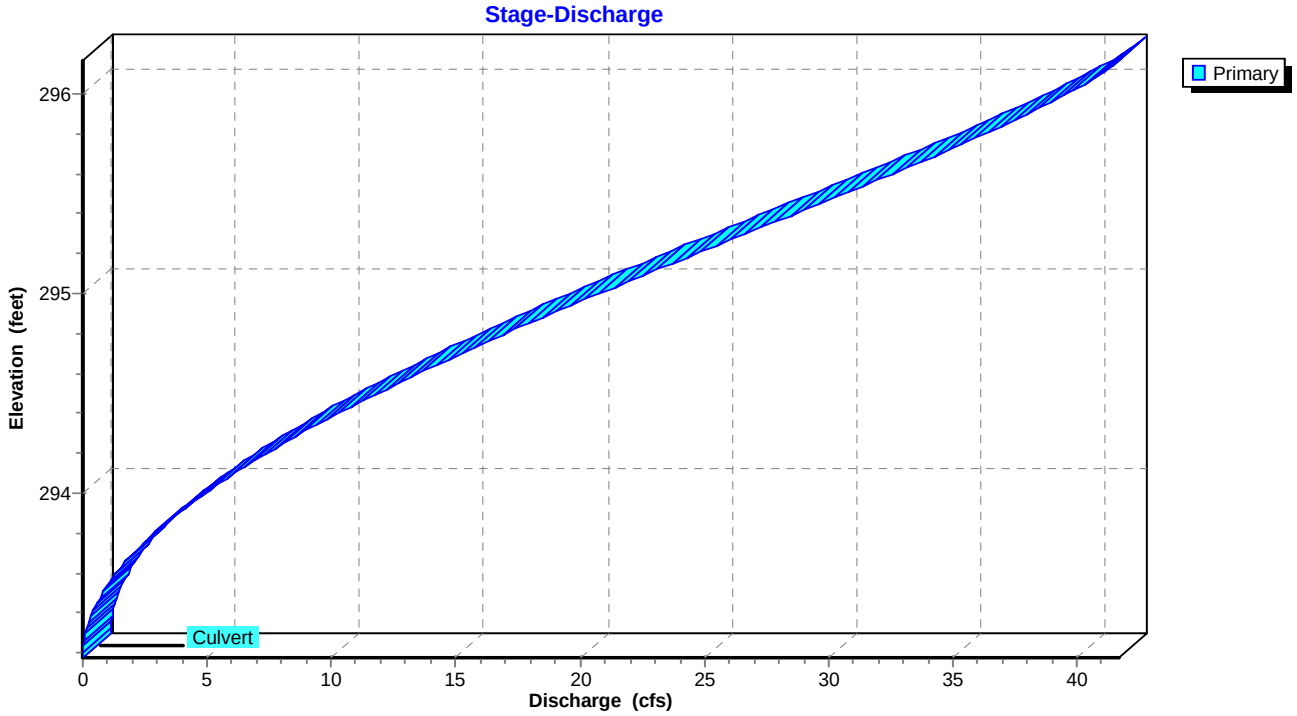
Device	Routing	Invert	Outlet Devices
#1	Primary	293.17'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 293.17' / 288.37' S= 0.0320 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=30.24 cfs @ 12.09 hrs HW=295.48' (Free Discharge)
└**1=Culvert** (Inlet Controls 30.24 cfs @ 5.18 fps)

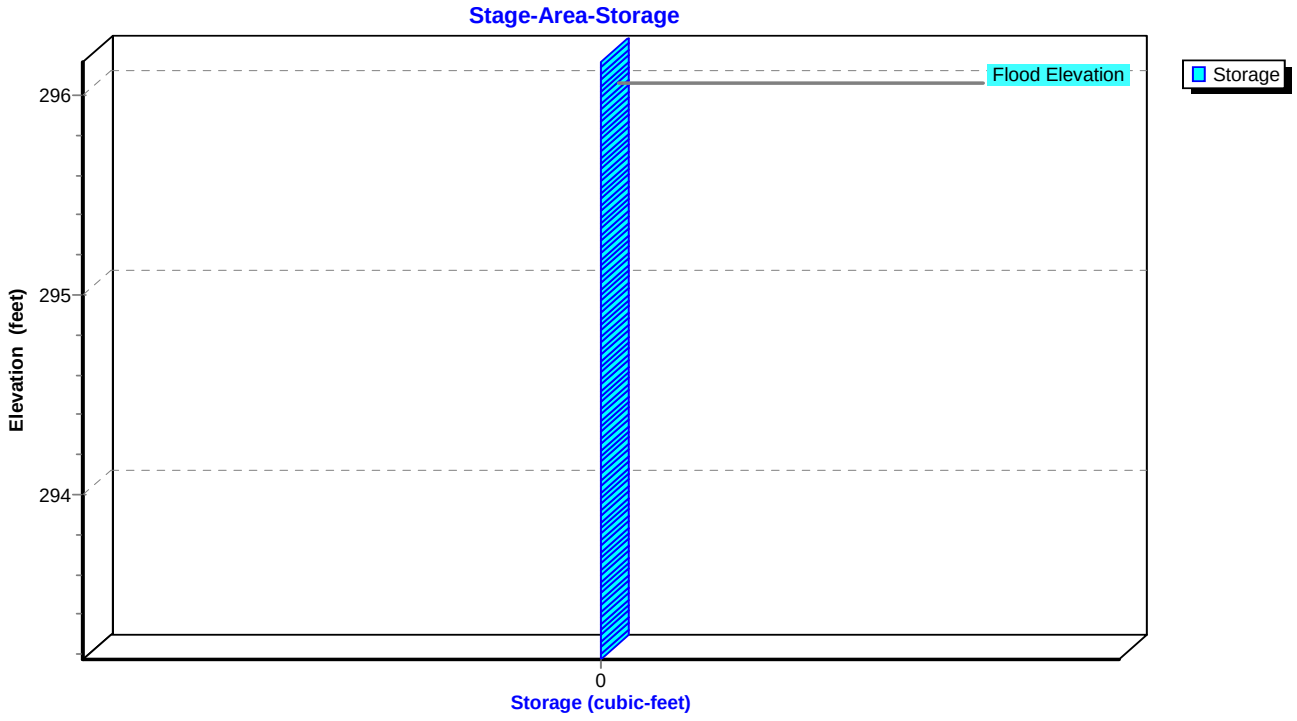
Pond CB13: Catchbasin



Pond CB13: Catchbasin



Pond CB13: Catchbasin



Hydrograph for Pond CB13: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	293.17	0.00
0.50	0.00	293.17	0.00
1.00	0.00	293.17	0.00
1.50	0.00	293.17	0.00
2.00	0.00	293.17	0.00
2.50	0.00	293.17	0.00
3.00	0.00	293.17	0.00
3.50	0.00	293.17	0.00
4.00	0.00	293.17	0.00
4.50	0.00	293.17	0.00
5.00	0.00	293.17	0.00
5.50	0.00	293.19	0.00
6.00	0.02	293.22	0.02
6.50	0.05	293.25	0.05
7.00	0.10	293.28	0.10
7.50	0.17	293.32	0.17
8.00	0.25	293.35	0.25
8.50	0.37	293.39	0.37
9.00	0.54	293.44	0.54
9.50	0.74	293.48	0.74
10.00	0.97	293.53	0.97
10.50	1.34	293.59	1.34
11.00	1.81	293.66	1.81
11.50	3.14	293.82	3.14
12.00	**22.04**	**295.06**	**22.04**
12.50	**8.64**	**294.29**	**8.64**
13.00	3.38	293.85	3.38
13.50	2.61	293.77	2.61
14.00	2.13	293.71	2.13
14.50	1.85	293.67	1.85
15.00	1.62	293.63	1.62
15.50	1.38	293.60	1.38
16.00	1.14	293.56	1.14
16.50	1.01	293.54	1.01
17.00	0.91	293.52	0.91
17.50	0.80	293.50	0.80
18.00	0.70	293.47	0.70
18.50	0.65	293.46	0.65
19.00	0.62	293.46	0.62
19.50	0.59	293.45	0.59
20.00	0.56	293.44	0.56
20.50	0.53	293.43	0.53
21.00	0.51	293.43	0.51
21.50	0.49	293.42	0.49
22.00	0.46	293.42	0.46
22.50	0.44	293.41	0.44
23.00	0.42	293.40	0.42
23.50	0.39	293.40	0.39
24.00	0.37	293.39	0.37

Stage-Discharge for Pond CB13: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
293.17	0.00	294.19	7.29	295.21	24.89
293.19	0.00	294.21	7.56	295.23	25.29
293.21	0.01	294.23	7.83	295.25	25.68
293.23	0.03	294.25	8.11	295.27	26.08
293.25	0.05	294.27	8.39	295.29	26.47
293.27	0.08	294.29	8.67	295.31	26.87
293.29	0.11	294.31	8.96	295.33	27.26
293.31	0.15	294.33	9.25	295.35	27.66
293.33	0.20	294.35	9.55	295.37	28.05
293.35	0.25	294.37	9.85	295.39	28.45
293.37	0.31	294.39	10.15	295.41	28.84
293.39	0.37	294.41	10.46	295.43	29.24
293.41	0.44	294.43	10.77	295.45	29.63
293.43	0.52	294.45	11.08	295.47	30.03
293.45	0.60	294.47	11.40	295.49	30.42
293.47	0.69	294.49	11.72	295.51	30.81
293.49	0.78	294.51	12.04	295.53	31.20
293.51	0.88	294.53	12.37	295.55	31.59
293.53	0.98	294.55	12.70	295.57	31.98
293.55	1.09	294.57	13.03	295.59	32.36
293.57	1.21	294.59	13.37	295.61	32.74
293.59	1.33	294.61	13.70	295.63	33.13
293.61	1.45	294.63	14.05	295.65	33.51
293.63	1.59	294.65	14.39	295.67	33.88
293.65	1.72	294.67	14.74	295.69	34.26
293.67	1.86	294.69	15.09	295.71	34.63
293.69	2.01	294.71	15.44	295.73	35.00
293.71	2.16	294.73	15.79	295.75	35.37
293.73	2.32	294.75	16.15	295.77	35.73
293.75	2.49	294.77	16.51	295.79	36.09
293.77	2.65	294.79	16.87	295.81	36.45
293.79	2.83	294.81	17.24	295.83	36.80
293.81	3.01	294.83	17.61	295.85	37.14
293.83	3.19	294.85	17.97	295.87	37.49
293.85	3.38	294.87	18.34	295.89	37.82
293.87	3.57	294.89	18.72	295.91	38.16
293.89	3.77	294.91	19.09	295.93	38.48
293.91	3.97	294.93	19.47	295.95	38.80
293.93	4.18	294.95	19.85	295.97	39.12
293.95	4.39	294.97	20.23	295.99	39.42
293.97	4.61	294.99	20.61	296.01	39.72
293.99	4.83	295.01	20.99	296.03	40.01
294.01	5.06	295.03	21.38	296.05	40.29
294.03	5.29	295.05	21.76	296.07	40.56
294.05	5.52	295.07	22.15	296.09	40.82
294.07	5.76	295.09	22.54	296.11	41.07
294.09	6.00	295.11	22.93	296.13	41.30
294.11	6.25	295.13	23.32	296.15	41.51
294.13	6.51	295.15	23.71	296.17	**41.68**
294.15	6.76	295.17	24.10		
294.17	7.02	295.19	24.50		

Stage-Area-Storage for Pond CB13: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
293.17	**0**	294.19	0	295.21	0
293.19	0	294.21	0	295.23	0
293.21	0	294.23	0	295.25	0
293.23	0	294.25	0	295.27	0
293.25	0	294.27	0	295.29	0
293.27	0	294.29	0	295.31	0
293.29	0	294.31	0	295.33	0
293.31	0	294.33	0	295.35	0
293.33	0	294.35	0	295.37	0
293.35	0	294.37	0	295.39	0
293.37	0	294.39	0	295.41	0
293.39	0	294.41	0	295.43	0
293.41	0	294.43	0	295.45	0
293.43	0	294.45	0	295.47	0
293.45	0	294.47	0	295.49	0
293.47	0	294.49	0	295.51	0
293.49	0	294.51	0	295.53	0
293.51	0	294.53	0	295.55	0
293.53	0	294.55	0	295.57	0
293.55	0	294.57	0	295.59	0
293.57	0	294.59	0	295.61	0
293.59	0	294.61	0	295.63	0
293.61	0	294.63	0	295.65	0
293.63	0	294.65	0	295.67	0
293.65	0	294.67	0	295.69	0
293.67	0	294.69	0	295.71	0
293.69	0	294.71	0	295.73	0
293.71	0	294.73	0	295.75	0
293.73	0	294.75	0	295.77	0
293.75	0	294.77	0	295.79	0
293.77	0	294.79	0	295.81	0
293.79	0	294.81	0	295.83	0
293.81	0	294.83	0	295.85	0
293.83	0	294.85	0	295.87	0
293.85	0	294.87	0	295.89	0
293.87	0	294.89	0	295.91	0
293.89	0	294.91	0	295.93	0
293.91	0	294.93	0	295.95	0
293.93	0	294.95	0	295.97	0
293.95	0	294.97	0	295.99	0
293.97	0	294.99	0	296.01	0
293.99	0	295.01	0	296.03	0
294.01	0	295.03	0	296.05	0
294.03	0	295.05	0	296.07	0
294.05	0	295.07	0	296.09	0
294.07	0	295.09	0	296.11	0
294.09	0	295.11	0	296.13	0
294.11	0	295.13	0	296.15	0
294.13	0	295.15	0	296.17	0
294.15	0	295.17	0		
294.17	0	295.19	0		

Summary for Pond CB13-1: CB1-1

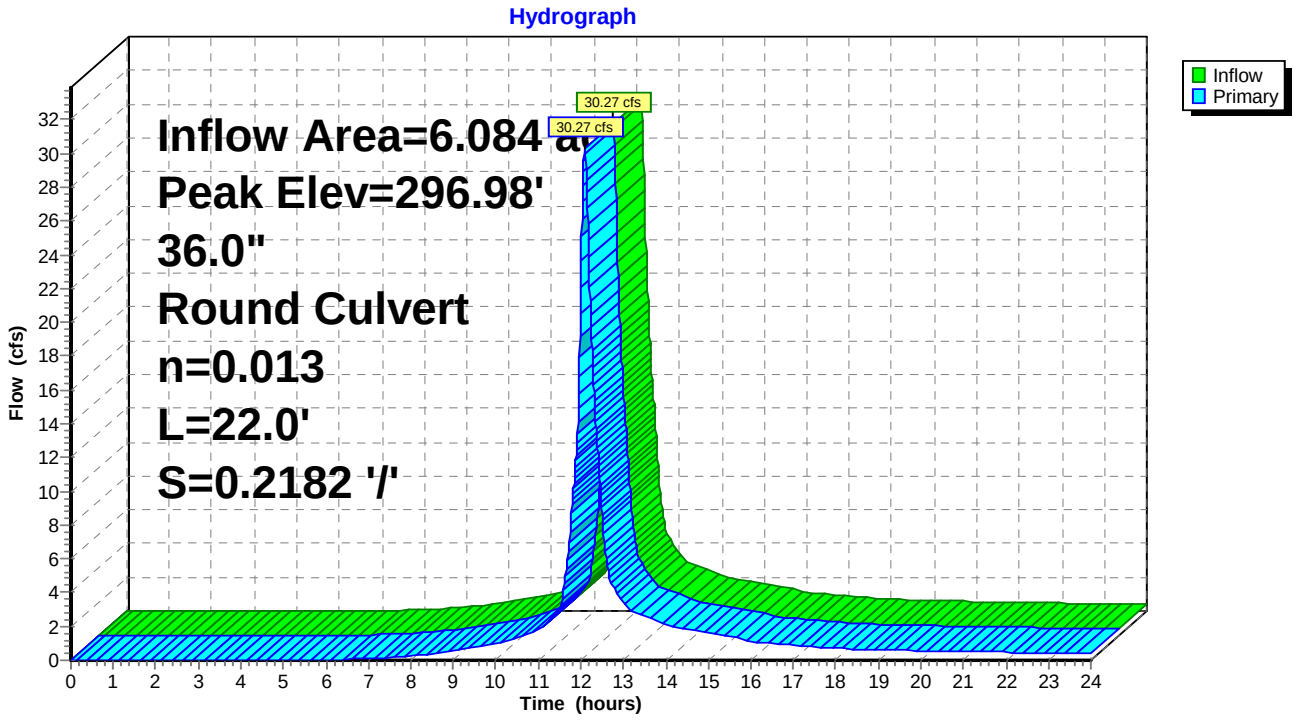
Inflow Area = 6.084 ac, 23.18% Impervious, Inflow Depth > 5.10" for 100-Year event
Inflow = 30.27 cfs @ 12.09 hrs, Volume= 2.587 af
Outflow = 30.27 cfs @ 12.09 hrs, Volume= 2.587 af, Atten= 0%, Lag= 0.0 min
Primary = 30.27 cfs @ 12.09 hrs, Volume= 2.587 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 296.98' @ 12.09 hrs
Flood Elev= 299.00'

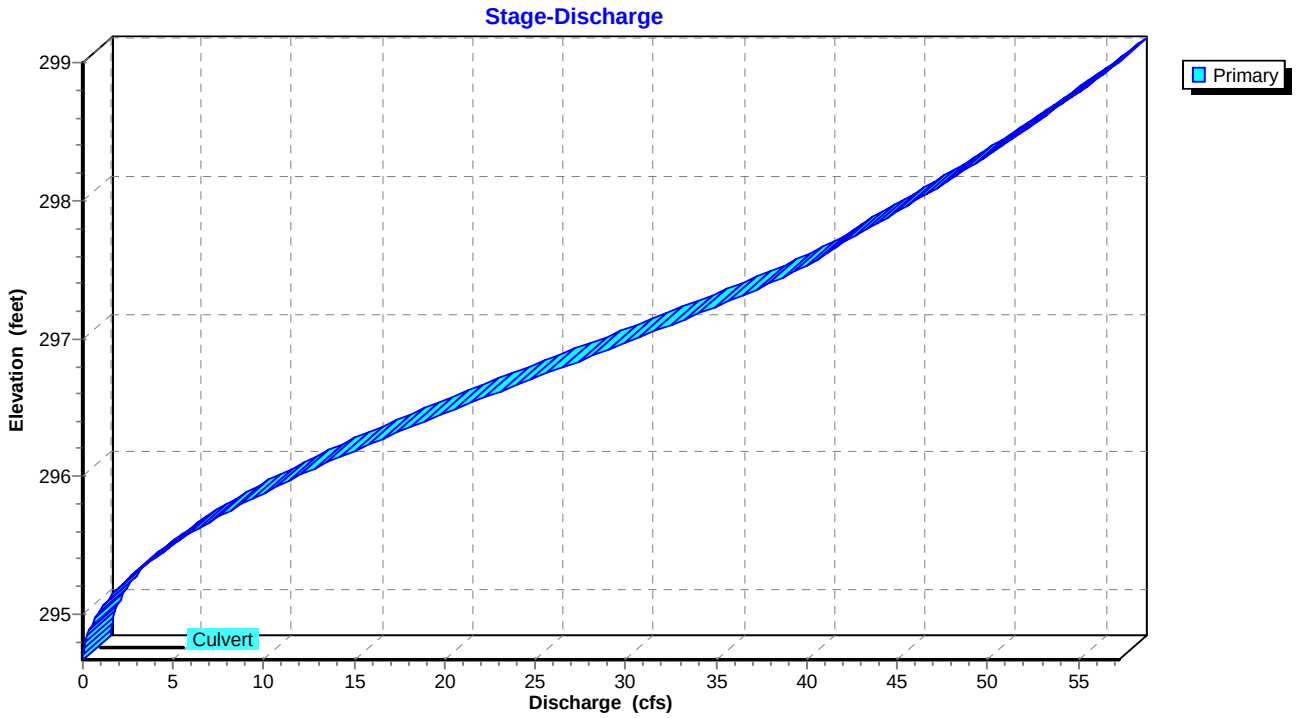
Device	Routing	Invert	Outlet Devices
#1	Primary	294.67'	**36.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 294.67' / 289.87' S= 0.2182 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=30.24 cfs @ 12.09 hrs HW=296.98' TW=295.48' (Dynamic Tailwater)
1=Culvert (Inlet Controls 30.24 cfs @ 5.18 fps)

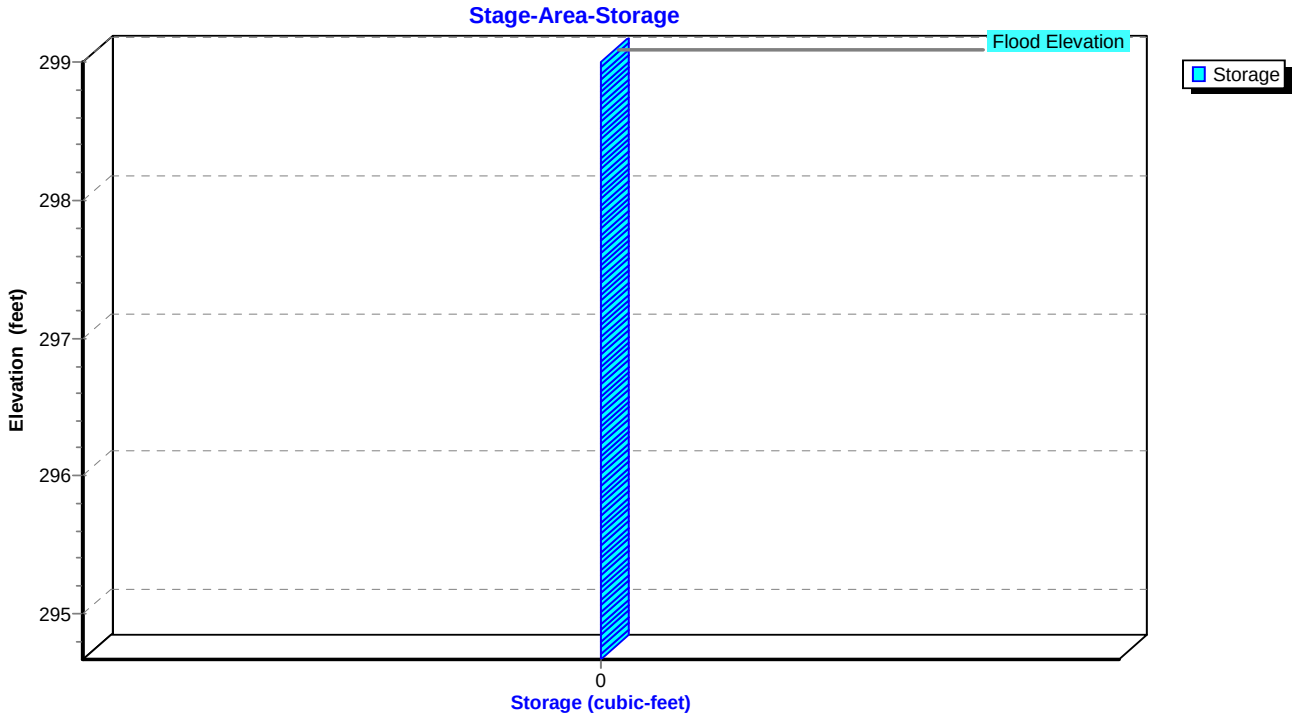
Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Pond CB13-1: CB1-1



Hydrograph for Pond CB13-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	294.67	0.00
0.50	0.00	294.67	0.00
1.00	0.00	294.67	0.00
1.50	0.00	294.67	0.00
2.00	0.00	294.67	0.00
2.50	0.00	294.67	0.00
3.00	0.00	294.67	0.00
3.50	0.00	294.67	0.00
4.00	0.00	294.67	0.00
4.50	0.00	294.67	0.00
5.00	0.00	294.67	0.00
5.50	0.00	294.69	0.00
6.00	0.02	294.72	0.02
6.50	0.05	294.75	0.05
7.00	0.10	294.78	0.10
7.50	0.17	294.82	0.17
8.00	0.25	294.85	0.25
8.50	0.37	294.89	0.37
9.00	0.54	294.94	0.54
9.50	0.74	294.98	0.74
10.00	0.97	295.03	0.97
10.50	1.34	295.09	1.34
11.00	1.81	295.16	1.81
11.50	3.14	295.32	3.14
12.00	**22.04**	**296.56**	**22.04**
12.50	**8.64**	**295.79**	**8.64**
13.00	3.38	295.35	3.38
13.50	2.61	295.27	2.61
14.00	2.13	295.21	2.13
14.50	1.85	295.17	1.85
15.00	1.62	295.13	1.62
15.50	1.38	295.10	1.38
16.00	1.14	295.06	1.14
16.50	1.01	295.04	1.01
17.00	0.91	295.02	0.91
17.50	0.80	295.00	0.80
18.00	0.70	294.97	0.70
18.50	0.65	294.96	0.65
19.00	0.62	294.96	0.62
19.50	0.59	294.95	0.59
20.00	0.56	294.94	0.56
20.50	0.53	294.93	0.53
21.00	0.51	294.93	0.51
21.50	0.49	294.92	0.49
22.00	0.46	294.92	0.46
22.50	0.44	294.91	0.44
23.00	0.42	294.90	0.42
23.50	0.39	294.90	0.39
24.00	0.37	294.89	0.37

Stage-Discharge for Pond CB13-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
294.67	0.00	297.22	34.82
294.72	0.02	297.27	35.73
294.77	0.08	297.32	36.62
294.82	0.17	297.37	37.49
294.87	0.31	297.42	38.32
294.92	0.48	297.47	39.12
294.97	0.69	297.52	39.87
295.02	0.93	297.57	40.56
295.07	1.21	297.62	41.19
295.12	1.52	297.67	41.68
295.17	1.86	297.72	42.37
295.22	2.24	297.77	43.05
295.27	2.65	297.82	43.72
295.32	3.10	297.87	44.38
295.37	3.57	297.92	45.02
295.42	4.07	297.97	45.66
295.47	4.61	298.02	46.29
295.52	5.17	298.07	46.91
295.57	5.76	298.12	47.53
295.62	6.38	298.17	48.13
295.67	7.02	298.22	48.73
295.72	7.69	298.27	49.32
295.77	8.39	298.32	49.91
295.82	9.11	298.37	50.48
295.87	9.85	298.42	51.05
295.92	10.61	298.47	51.62
295.97	11.40	298.52	52.17
296.02	12.20	298.57	52.73
296.07	13.03	298.62	53.27
296.12	13.88	298.67	53.81
296.17	14.74	298.72	54.35
296.22	15.62	298.77	54.88
296.27	16.51	298.82	55.41
296.32	17.42	298.87	55.93
296.37	18.34	298.92	56.44
296.42	19.28	298.97	**56.95**
296.47	20.23		
296.52	21.18		
296.57	22.15		
296.62	23.12		
296.67	24.10		
296.72	25.09		
296.77	26.08		
296.82	27.07		
296.87	28.05		
296.92	29.04		
296.97	30.03		
297.02	31.00		
297.07	31.98		
297.12	32.94		
297.17	33.88		

Stage-Area-Storage for Pond CB13-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
294.67	**0**	297.22	0
294.72	0	297.27	0
294.77	0	297.32	0
294.82	0	297.37	0
294.87	0	297.42	0
294.92	0	297.47	0
294.97	0	297.52	0
295.02	0	297.57	0
295.07	0	297.62	0
295.12	0	297.67	0
295.17	0	297.72	0
295.22	0	297.77	0
295.27	0	297.82	0
295.32	0	297.87	0
295.37	0	297.92	0
295.42	0	297.97	0
295.47	0	298.02	0
295.52	0	298.07	0
295.57	0	298.12	0
295.62	0	298.17	0
295.67	0	298.22	0
295.72	0	298.27	0
295.77	0	298.32	0
295.82	0	298.37	0
295.87	0	298.42	0
295.92	0	298.47	0
295.97	0	298.52	0
296.02	0	298.57	0
296.07	0	298.62	0
296.12	0	298.67	0
296.17	0	298.72	0
296.22	0	298.77	0
296.27	0	298.82	0
296.32	0	298.87	0
296.37	0	298.92	0
296.42	0	298.97	0
296.47	0		
296.52	0		
296.57	0		
296.62	0		
296.67	0		
296.72	0		
296.77	0		
296.82	0		
296.87	0		
296.92	0		
296.97	0		
297.02	0		
297.07	0		
297.12	0		
297.17	0		

Summary for Pond CB2: CB1

[43] Hint: Has no inflow (Outflow=Zero)

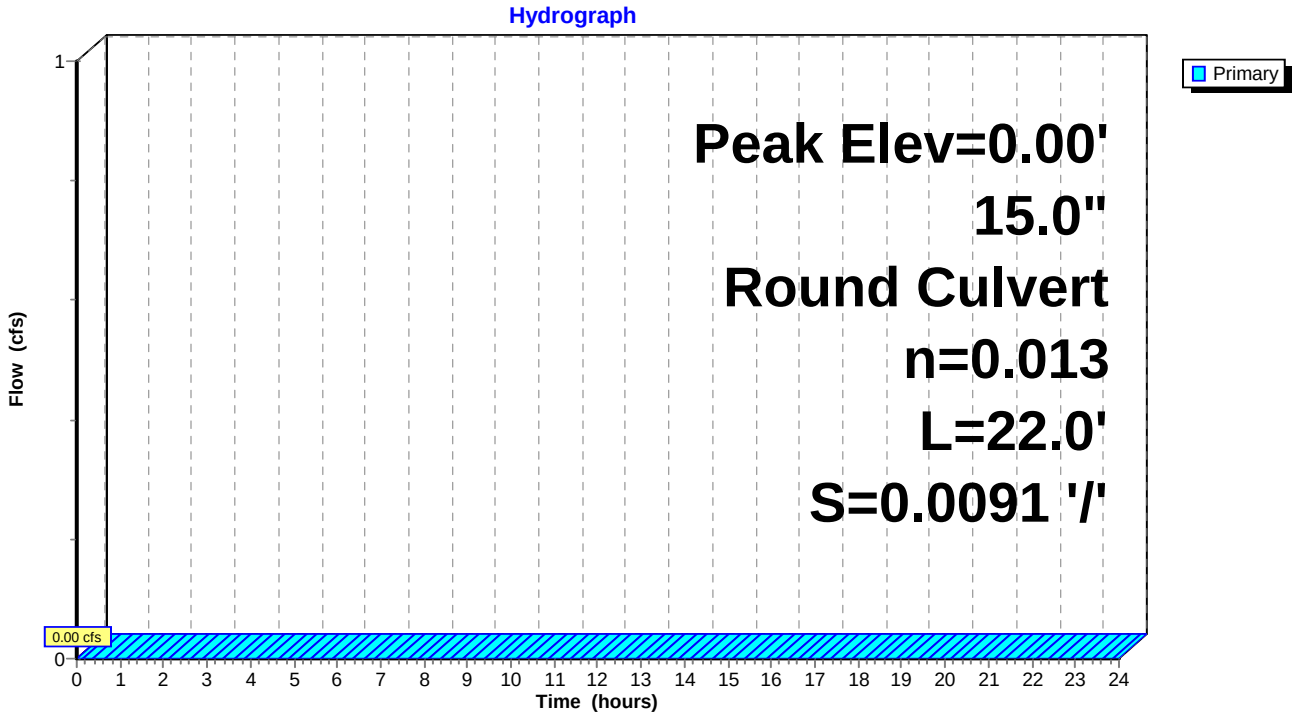
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 345.50'

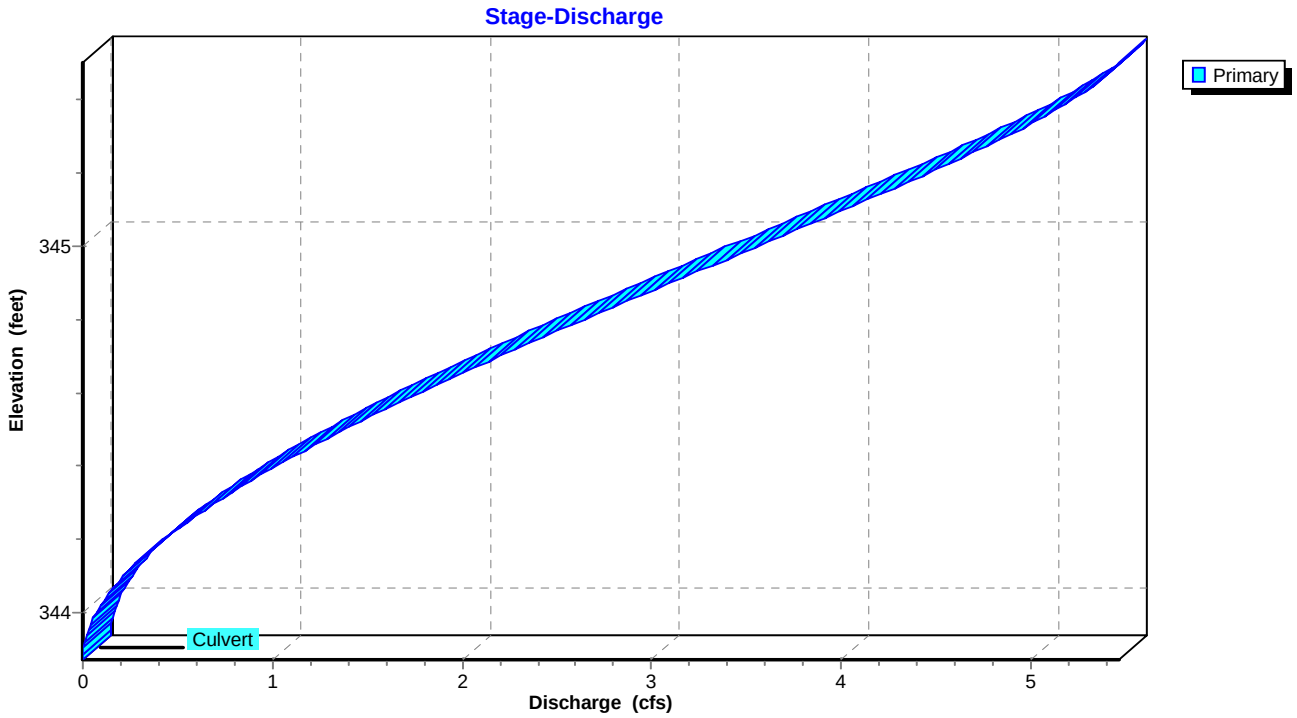
Device	Routing	Invert	Outlet Devices
#1	Primary	343.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 343.87' / 343.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=342.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

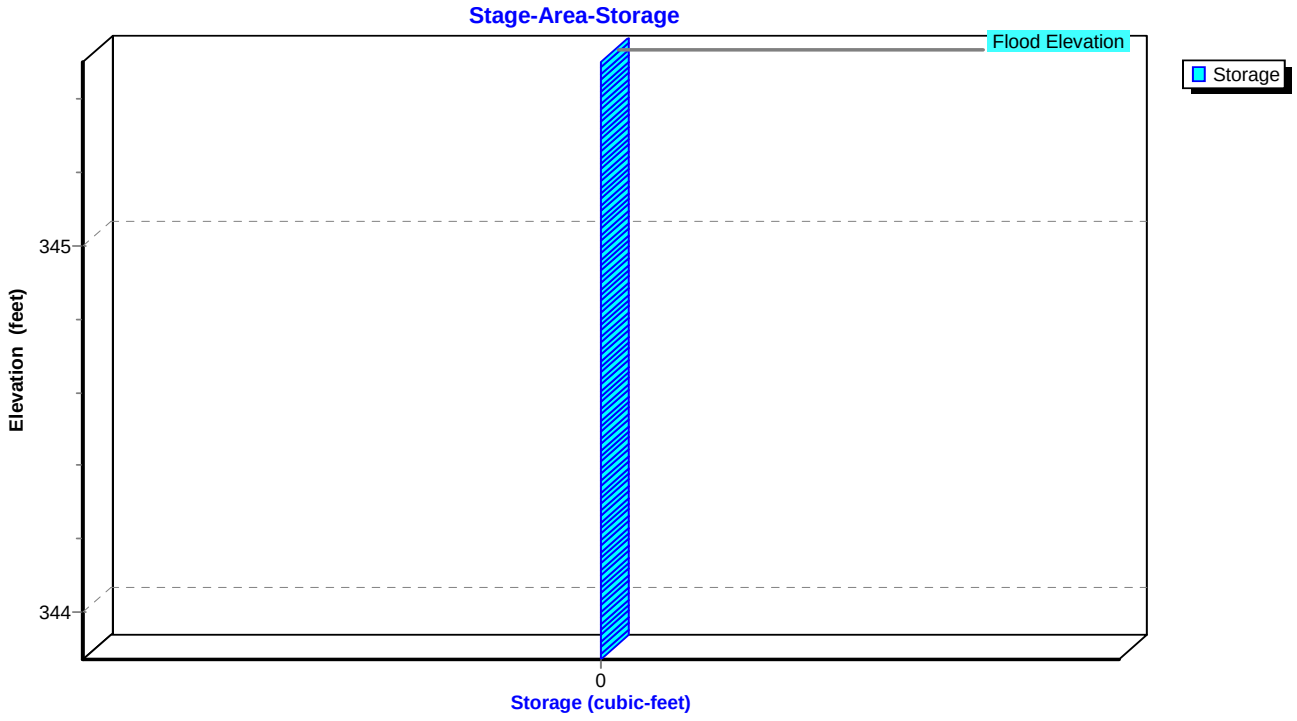
Pond CB2: CB1



Pond CB2: CB1



Pond CB2: CB1



Stage-Discharge for Pond CB2: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
343.87	0.00	344.38	0.96	344.89	3.06	345.40	5.22
343.88	0.00	344.39	0.99	344.90	3.10	345.41	5.25
343.89	0.00	344.40	1.02	344.91	3.15	345.42	5.28
343.90	0.00	344.41	1.06	344.92	3.20	345.43	5.31
343.91	0.01	344.42	1.09	344.93	3.24	345.44	5.34
343.92	0.01	344.43	1.13	344.94	3.29	345.45	5.36
343.93	0.01	344.44	1.16	344.95	3.34	345.46	5.39
343.94	0.02	344.45	1.20	344.96	3.38	345.47	5.41
343.95	0.03	344.46	1.24	344.97	3.43	345.48	5.43
343.96	0.03	344.47	1.27	344.98	3.48	345.49	5.45
343.97	0.04	344.48	1.31	344.99	3.52	345.50	**5.46**
343.98	0.05	344.49	1.35	345.00	3.57		
343.99	0.06	344.50	1.38	345.01	3.61		
344.00	0.07	344.51	1.42	345.02	3.66		
344.01	0.08	344.52	1.46	345.03	3.71		
344.02	0.09	344.53	1.50	345.04	3.75		
344.03	0.11	344.54	1.54	345.05	3.80		
344.04	0.12	344.55	1.58	345.06	3.84		
344.05	0.14	344.56	1.62	345.07	3.89		
344.06	0.15	344.57	1.66	345.08	3.93		
344.07	0.17	344.58	1.70	345.09	3.98		
344.08	0.18	344.59	1.74	345.10	4.03		
344.09	0.20	344.60	1.78	345.11	4.07		
344.10	0.22	344.61	1.82	345.12	4.12		
344.11	0.24	344.62	1.86	345.13	4.16		
344.12	0.26	344.63	1.90	345.14	4.20		
344.13	0.28	344.64	1.95	345.15	4.25		
344.14	0.30	344.65	1.99	345.16	4.29		
344.15	0.32	344.66	2.03	345.17	4.34		
344.16	0.34	344.67	2.07	345.18	4.38		
344.17	0.36	344.68	2.12	345.19	4.42		
344.18	0.39	344.69	2.16	345.20	4.47		
344.19	0.41	344.70	2.20	345.21	4.51		
344.20	0.43	344.71	2.25	345.22	4.55		
344.21	0.46	344.72	2.29	345.23	4.59		
344.22	0.48	344.73	2.33	345.24	4.63		
344.23	0.51	344.74	2.38	345.25	4.68		
344.24	0.54	344.75	2.42	345.26	4.72		
344.25	0.56	344.76	2.47	345.27	4.76		
344.26	0.59	344.77	2.51	345.28	4.80		
344.27	0.62	344.78	2.56	345.29	4.84		
344.28	0.65	344.79	2.60	345.30	4.87		
344.29	0.68	344.80	2.65	345.31	4.91		
344.30	0.70	344.81	2.69	345.32	4.95		
344.31	0.73	344.82	2.74	345.33	4.99		
344.32	0.77	344.83	2.78	345.34	5.02		
344.33	0.80	344.84	2.83	345.35	5.06		
344.34	0.83	344.85	2.87	345.36	5.09		
344.35	0.86	344.86	2.92	345.37	5.13		
344.36	0.89	344.87	2.97	345.38	5.16		
344.37	0.92	344.88	3.01	345.39	5.19		

Stage-Area-Storage for Pond CB2: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
343.87	**0**	344.89	0
343.89	0	344.91	0
343.91	0	344.93	0
343.93	0	344.95	0
343.95	0	344.97	0
343.97	0	344.99	0
343.99	0	345.01	0
344.01	0	345.03	0
344.03	0	345.05	0
344.05	0	345.07	0
344.07	0	345.09	0
344.09	0	345.11	0
344.11	0	345.13	0
344.13	0	345.15	0
344.15	0	345.17	0
344.17	0	345.19	0
344.19	0	345.21	0
344.21	0	345.23	0
344.23	0	345.25	0
344.25	0	345.27	0
344.27	0	345.29	0
344.29	0	345.31	0
344.31	0	345.33	0
344.33	0	345.35	0
344.35	0	345.37	0
344.37	0	345.39	0
344.39	0	345.41	0
344.41	0	345.43	0
344.43	0	345.45	0
344.45	0	345.47	0
344.47	0	345.49	0
344.49	0		
344.51	0		
344.53	0		
344.55	0		
344.57	0		
344.59	0		
344.61	0		
344.63	0		
344.65	0		
344.67	0		
344.69	0		
344.71	0		
344.73	0		
344.75	0		
344.77	0		
344.79	0		
344.81	0		
344.83	0		
344.85	0		
344.87	0		

Summary for Pond CB2-1: CB1-1

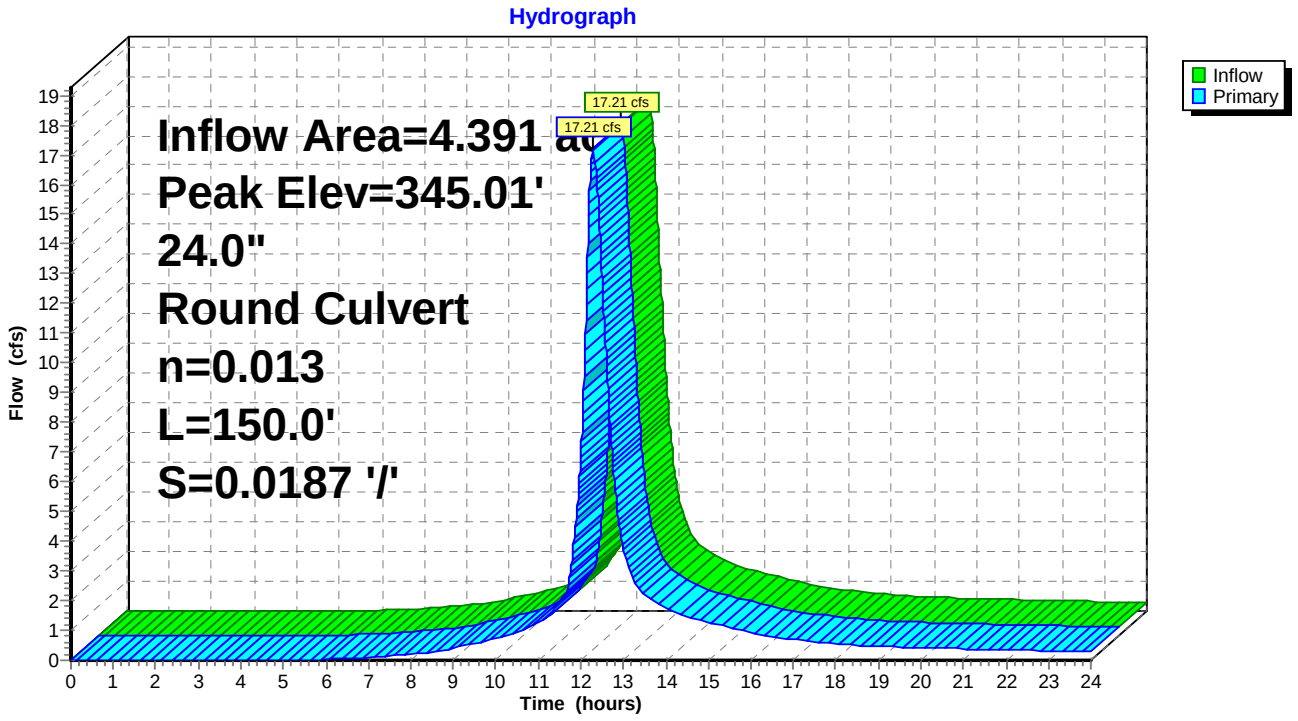
Inflow Area = 4.391 ac, 32.33% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af
Outflow = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af, Atten= 0%, Lag= 0.0 min
Primary = 17.21 cfs @ 12.29 hrs, Volume= 1.962 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 345.01' @ 12.29 hrs
Flood Elev= 347.00'

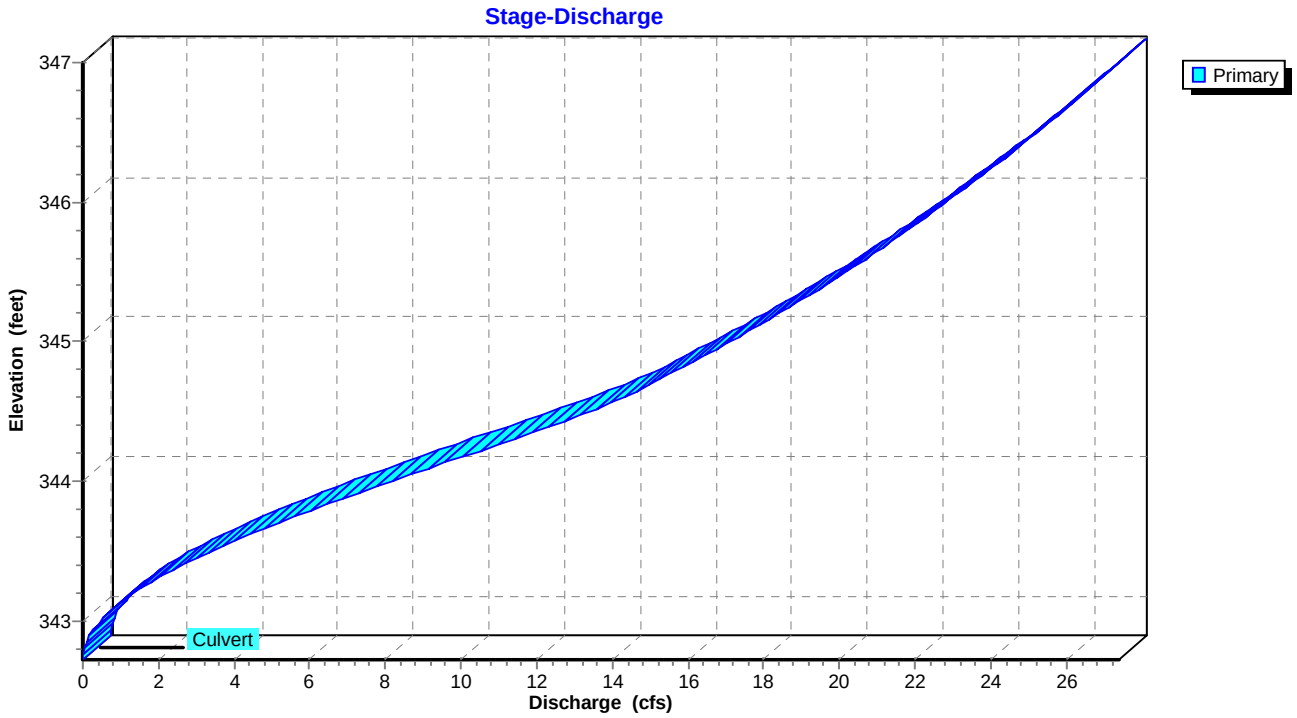
Device	Routing	Invert	Outlet Devices
#1	Primary	342.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 342.72' / 339.92' S= 0.0187 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=17.20 cfs @ 12.29 hrs HW=345.01' TW=342.66' (Dynamic Tailwater)
1=Culvert (Inlet Controls 17.20 cfs @ 5.48 fps)

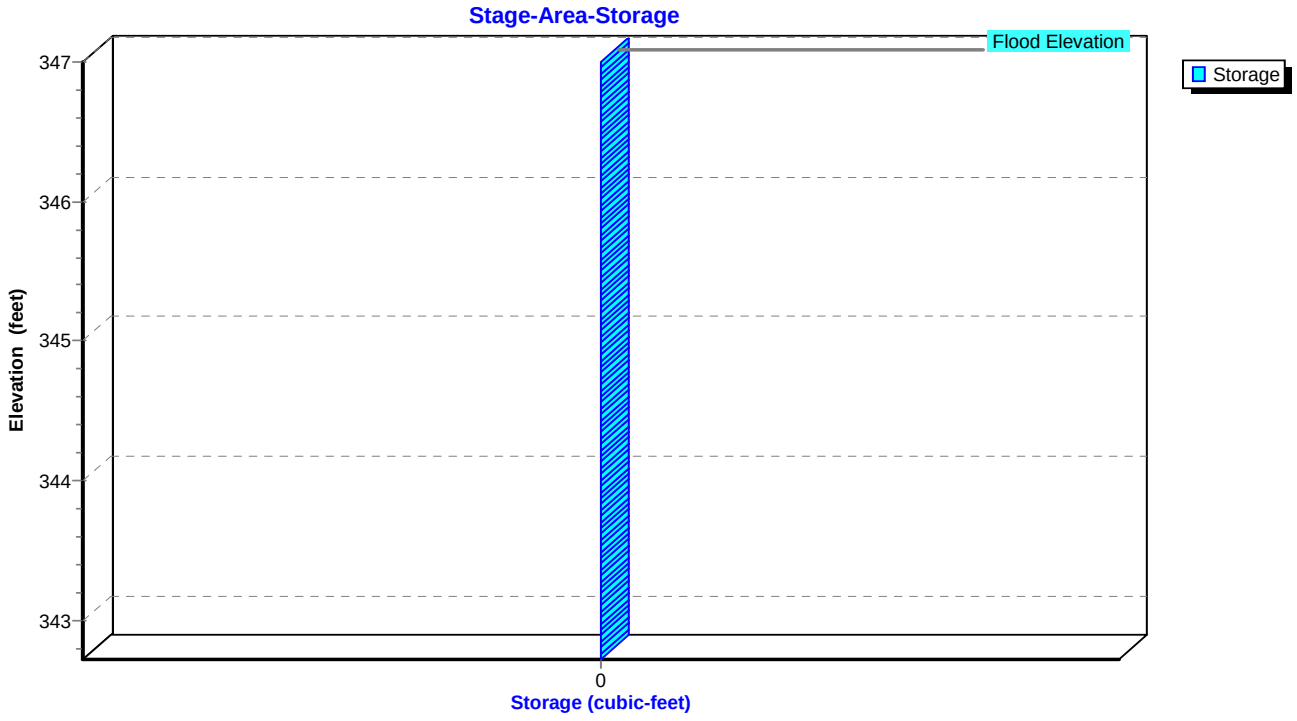
Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Pond CB2-1: CB1-1



Hydrograph for Pond CB2-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	342.72	0.00
0.50	0.00	342.72	0.00
1.00	0.00	342.72	0.00
1.50	0.00	342.72	0.00
2.00	0.00	342.72	0.00
2.50	0.00	342.72	0.00
3.00	0.00	342.72	0.00
3.50	0.00	342.72	0.00
4.00	0.00	342.72	0.00
4.50	0.00	342.72	0.00
5.00	0.00	342.72	0.00
5.50	0.01	342.75	0.01
6.00	0.03	342.79	0.03
6.50	0.06	342.81	0.06
7.00	0.10	342.84	0.10
7.50	0.15	342.87	0.15
8.00	0.21	342.90	0.21
8.50	0.29	342.94	0.29
9.00	0.41	342.98	0.41
9.50	0.55	343.02	0.55
10.00	0.72	343.06	0.72
10.50	0.95	343.12	0.95
11.00	1.28	343.18	1.28
11.50	1.93	343.29	1.93
12.00	**6.86**	**343.87**	**6.86**
12.50	**12.86**	**344.44**	**12.86**
13.00	3.77	343.54	3.77
13.50	2.18	343.33	2.18
14.00	1.75	343.27	1.75
14.50	1.46	343.22	1.46
15.00	1.28	343.18	1.28
15.50	1.10	343.15	1.10
16.00	0.93	343.11	0.93
16.50	0.79	343.08	0.79
17.00	0.71	343.06	0.71
17.50	0.63	343.04	0.63
18.00	0.55	343.02	0.55
18.50	0.49	343.00	0.49
19.00	0.47	343.00	0.47
19.50	0.44	342.99	0.44
20.00	0.42	342.98	0.42
20.50	0.40	342.97	0.40
21.00	0.38	342.97	0.38
21.50	0.37	342.96	0.37
22.00	0.35	342.96	0.35
22.50	0.33	342.95	0.33
23.00	0.31	342.94	0.31
23.50	0.30	342.94	0.30
24.00	0.28	342.93	0.28

Stage-Discharge for Pond CB2-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
342.72	0.00	345.27	18.83
342.77	0.02	345.32	19.13
342.82	0.06	345.37	19.43
342.87	0.14	345.42	19.72
342.92	0.25	345.47	20.01
342.97	0.39	345.52	20.29
343.02	0.55	345.57	20.57
343.07	0.74	345.62	20.85
343.12	0.96	345.67	21.12
343.17	1.21	345.72	21.39
343.22	1.48	345.77	21.66
343.27	1.77	345.82	21.92
343.32	2.09	345.87	22.18
343.37	2.43	345.92	22.44
343.42	2.79	345.97	22.69
343.47	3.17	346.02	22.94
343.52	3.57	346.07	23.19
343.57	3.99	346.12	23.43
343.62	4.43	346.17	23.68
343.67	4.88	346.22	23.92
343.72	5.35	346.27	24.16
343.77	5.83	346.32	24.39
343.82	6.32	346.37	24.62
343.87	6.83	346.42	24.86
343.92	7.34	346.47	25.08
343.97	7.86	346.52	25.31
344.02	8.39	346.57	25.54
344.07	8.93	346.62	25.76
344.12	9.46	346.67	25.98
344.17	10.00	346.72	26.20
344.22	10.54	346.77	26.42
344.27	11.07	346.82	26.63
344.32	11.60	346.87	26.85
344.37	12.12	346.92	27.06
344.42	12.63	346.97	**27.27**
344.47	13.13		
344.52	13.60		
344.57	14.05		
344.62	14.47		
344.67	14.84		
344.72	15.13		
344.77	15.50		
344.82	15.87		
344.87	16.22		
344.92	16.57		
344.97	16.91		
345.02	17.25		
345.07	17.58		
345.12	17.90		
345.17	18.21		
345.22	18.53		

Stage-Area-Storage for Pond CB2-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
342.72	**0**	345.27	0
342.77	0	345.32	0
342.82	0	345.37	0
342.87	0	345.42	0
342.92	0	345.47	0
342.97	0	345.52	0
343.02	0	345.57	0
343.07	0	345.62	0
343.12	0	345.67	0
343.17	0	345.72	0
343.22	0	345.77	0
343.27	0	345.82	0
343.32	0	345.87	0
343.37	0	345.92	0
343.42	0	345.97	0
343.47	0	346.02	0
343.52	0	346.07	0
343.57	0	346.12	0
343.62	0	346.17	0
343.67	0	346.22	0
343.72	0	346.27	0
343.77	0	346.32	0
343.82	0	346.37	0
343.87	0	346.42	0
343.92	0	346.47	0
343.97	0	346.52	0
344.02	0	346.57	0
344.07	0	346.62	0
344.12	0	346.67	0
344.17	0	346.72	0
344.22	0	346.77	0
344.27	0	346.82	0
344.32	0	346.87	0
344.37	0	346.92	0
344.42	0	346.97	0
344.47	0		
344.52	0		
344.57	0		
344.62	0		
344.67	0		
344.72	0		
344.77	0		
344.82	0		
344.87	0		
344.92	0		
344.97	0		
345.02	0		
345.07	0		
345.12	0		
345.17	0		
345.22	0		

Summary for Pond CB3: CB1

[43] Hint: Has no inflow (Outflow=Zero)

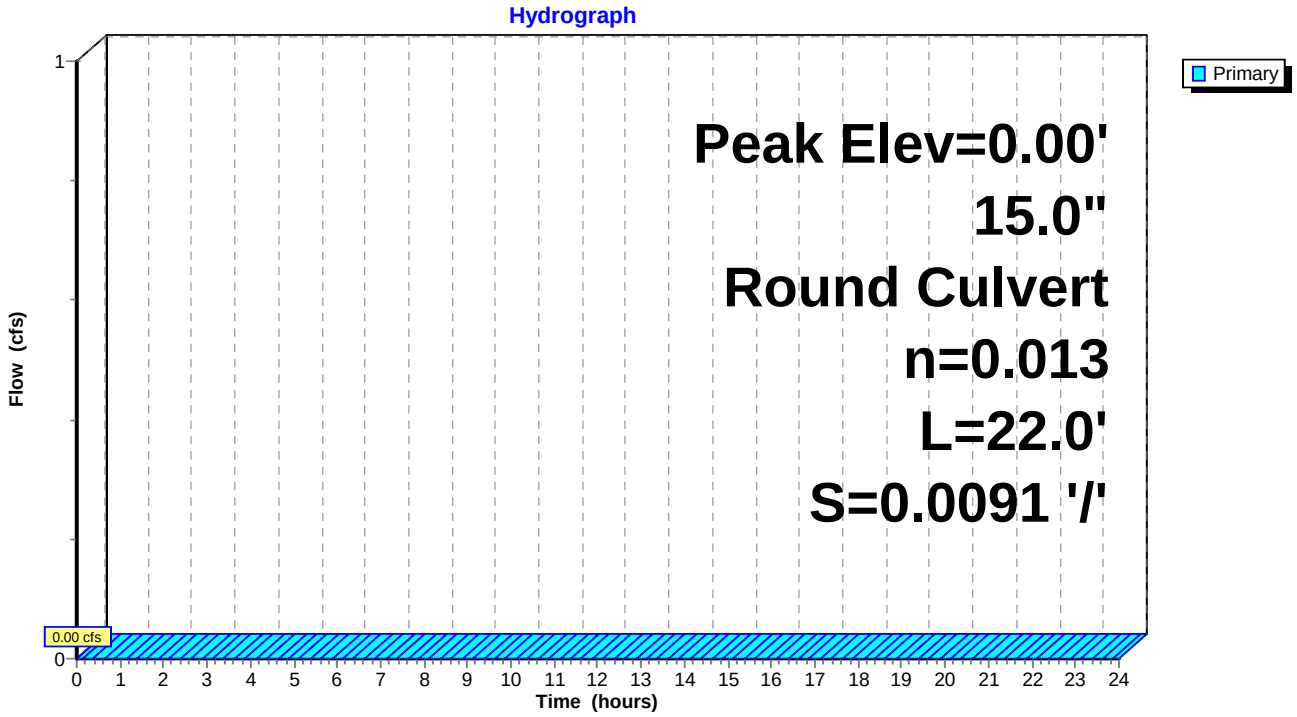
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 0.00' @ 0.00 hrs
Flood Elev= 344.00'

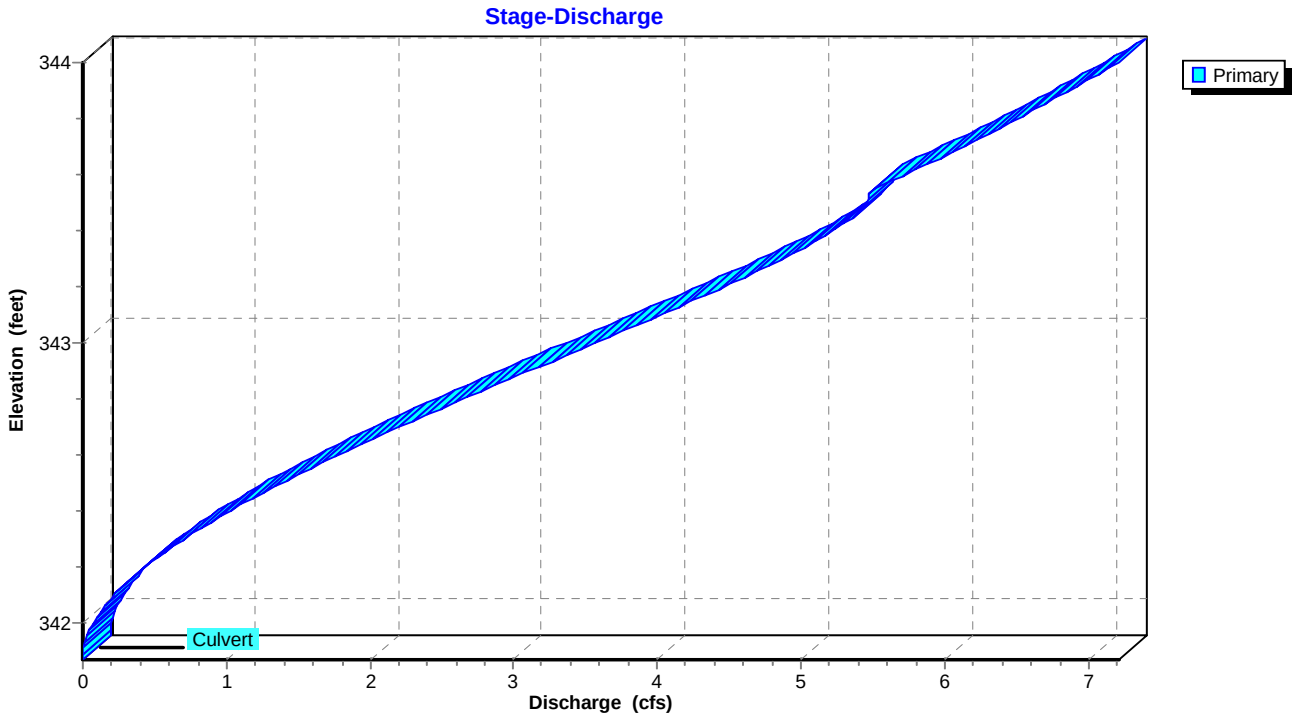
Device	Routing	Invert	Outlet Devices
#1	Primary	341.87'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 341.87' / 341.67' S= 0.0091 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=0.00' TW=339.72' (Dynamic Tailwater)
└**1=Culvert** (Controls 0.00 cfs)

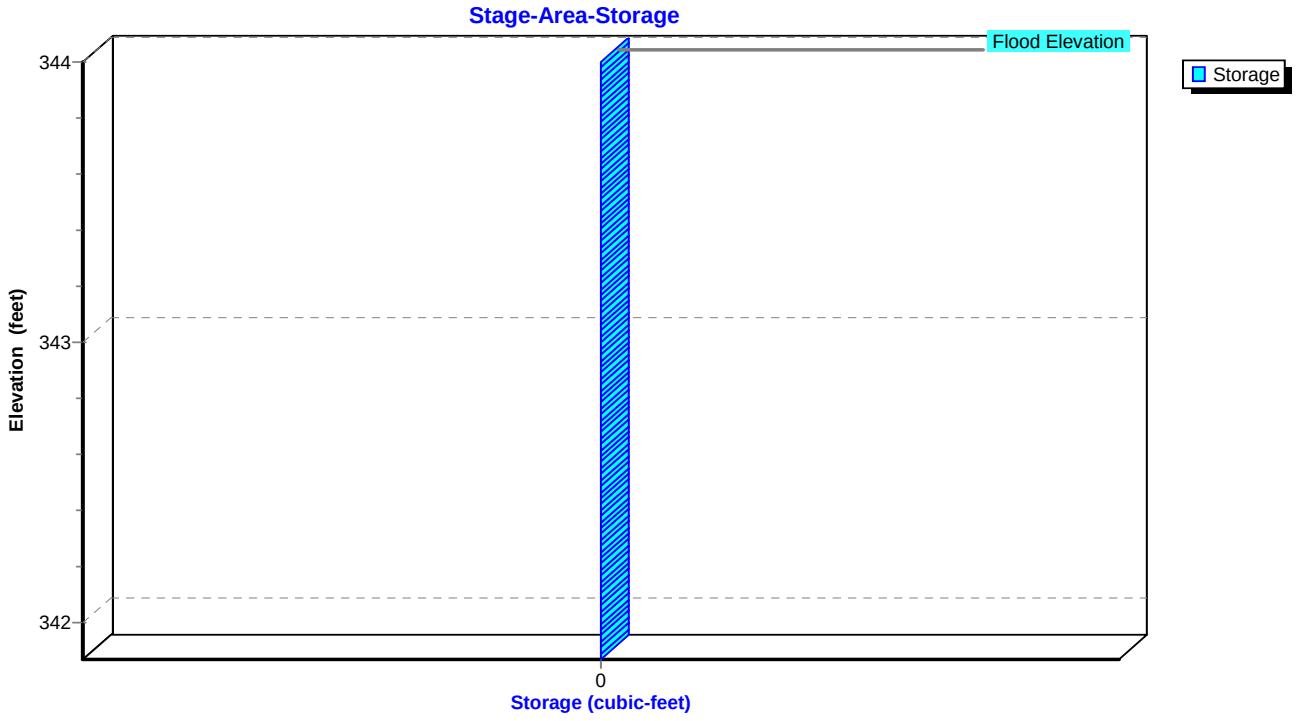
Pond CB3: CB1



Pond CB3: CB1



Pond CB3: CB1



Stage-Discharge for Pond CB3: CB1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
341.87	0.00	342.89	3.06	343.91	6.91
341.89	0.00	342.91	3.15	343.93	6.98
341.91	0.01	342.93	3.24	343.95	7.04
341.93	0.01	342.95	3.34	343.97	7.11
341.95	0.03	342.97	3.43	343.99	**7.18**
341.97	0.04	342.99	3.52		
341.99	0.06	343.01	3.61		
342.01	0.08	343.03	3.71		
342.03	0.11	343.05	3.80		
342.05	0.14	343.07	3.89		
342.07	0.17	343.09	3.98		
342.09	0.20	343.11	4.07		
342.11	0.24	343.13	4.16		
342.13	0.28	343.15	4.25		
342.15	0.32	343.17	4.34		
342.17	0.36	343.19	4.42		
342.19	0.41	343.21	4.51		
342.21	0.46	343.23	4.59		
342.23	0.51	343.25	4.68		
342.25	0.56	343.27	4.76		
342.27	0.62	343.29	4.84		
342.29	0.68	343.31	4.91		
342.31	0.73	343.33	4.99		
342.33	0.80	343.35	5.06		
342.35	0.86	343.37	5.13		
342.37	0.92	343.39	5.19		
342.39	0.99	343.41	5.25		
342.41	1.06	343.43	5.31		
342.43	1.13	343.45	5.36		
342.45	1.20	343.47	5.41		
342.47	1.27	343.49	5.45		
342.49	1.35	343.51	5.47		
342.51	1.42	343.53	5.48		
342.53	1.50	343.55	5.51		
342.55	1.58	343.57	5.60		
342.57	1.66	343.59	5.68		
342.59	1.74	343.61	5.77		
342.61	1.82	343.63	5.85		
342.63	1.90	343.65	5.93		
342.65	1.99	343.67	6.01		
342.67	2.07	343.69	6.09		
342.69	2.16	343.71	6.17		
342.71	2.25	343.73	6.25		
342.73	2.33	343.75	6.32		
342.75	2.42	343.77	6.40		
342.77	2.51	343.79	6.47		
342.79	2.60	343.81	6.55		
342.81	2.69	343.83	6.62		
342.83	2.78	343.85	6.69		
342.85	2.87	343.87	6.77		
342.87	2.97	343.89	6.84		

Stage-Area-Storage for Pond CB3: CB1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
341.87	**0**	342.89	0	343.91	0
341.89	0	342.91	0	343.93	0
341.91	0	342.93	0	343.95	0
341.93	0	342.95	0	343.97	0
341.95	0	342.97	0	343.99	0
341.97	0	342.99	0		
341.99	0	343.01	0		
342.01	0	343.03	0		
342.03	0	343.05	0		
342.05	0	343.07	0		
342.07	0	343.09	0		
342.09	0	343.11	0		
342.11	0	343.13	0		
342.13	0	343.15	0		
342.15	0	343.17	0		
342.17	0	343.19	0		
342.19	0	343.21	0		
342.21	0	343.23	0		
342.23	0	343.25	0		
342.25	0	343.27	0		
342.27	0	343.29	0		
342.29	0	343.31	0		
342.31	0	343.33	0		
342.33	0	343.35	0		
342.35	0	343.37	0		
342.37	0	343.39	0		
342.39	0	343.41	0		
342.41	0	343.43	0		
342.43	0	343.45	0		
342.45	0	343.47	0		
342.47	0	343.49	0		
342.49	0	343.51	0		
342.51	0	343.53	0		
342.53	0	343.55	0		
342.55	0	343.57	0		
342.57	0	343.59	0		
342.59	0	343.61	0		
342.61	0	343.63	0		
342.63	0	343.65	0		
342.65	0	343.67	0		
342.67	0	343.69	0		
342.69	0	343.71	0		
342.71	0	343.73	0		
342.73	0	343.75	0		
342.75	0	343.77	0		
342.77	0	343.79	0		
342.79	0	343.81	0		
342.81	0	343.83	0		
342.83	0	343.85	0		
342.85	0	343.87	0		
342.87	0	343.89	0		

Summary for Pond CB3-1: CB1-1

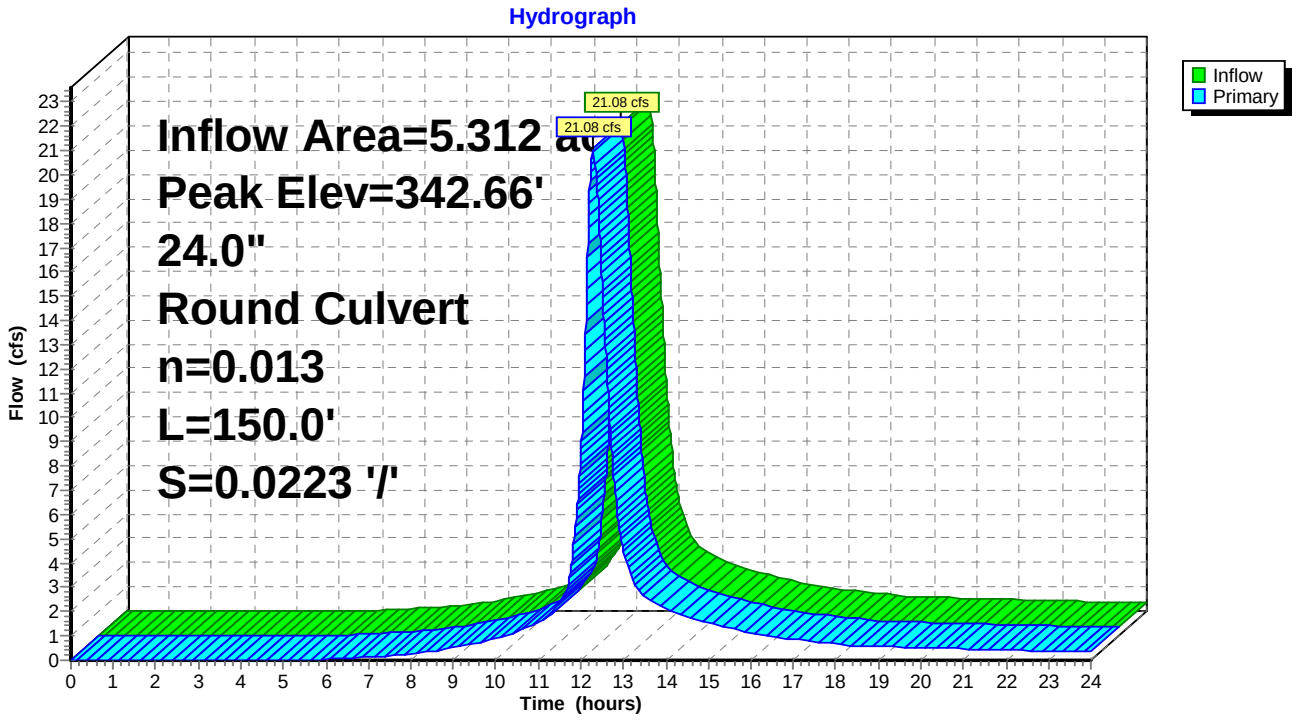
Inflow Area = 5.312 ac, 34.24% Impervious, Inflow Depth > 5.40" for 100-Year event
Inflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af
Outflow = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af, Atten= 0%, Lag= 0.0 min
Primary = 21.08 cfs @ 12.29 hrs, Volume= 2.391 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 342.66' @ 12.29 hrs
Flood Elev= 345.00'

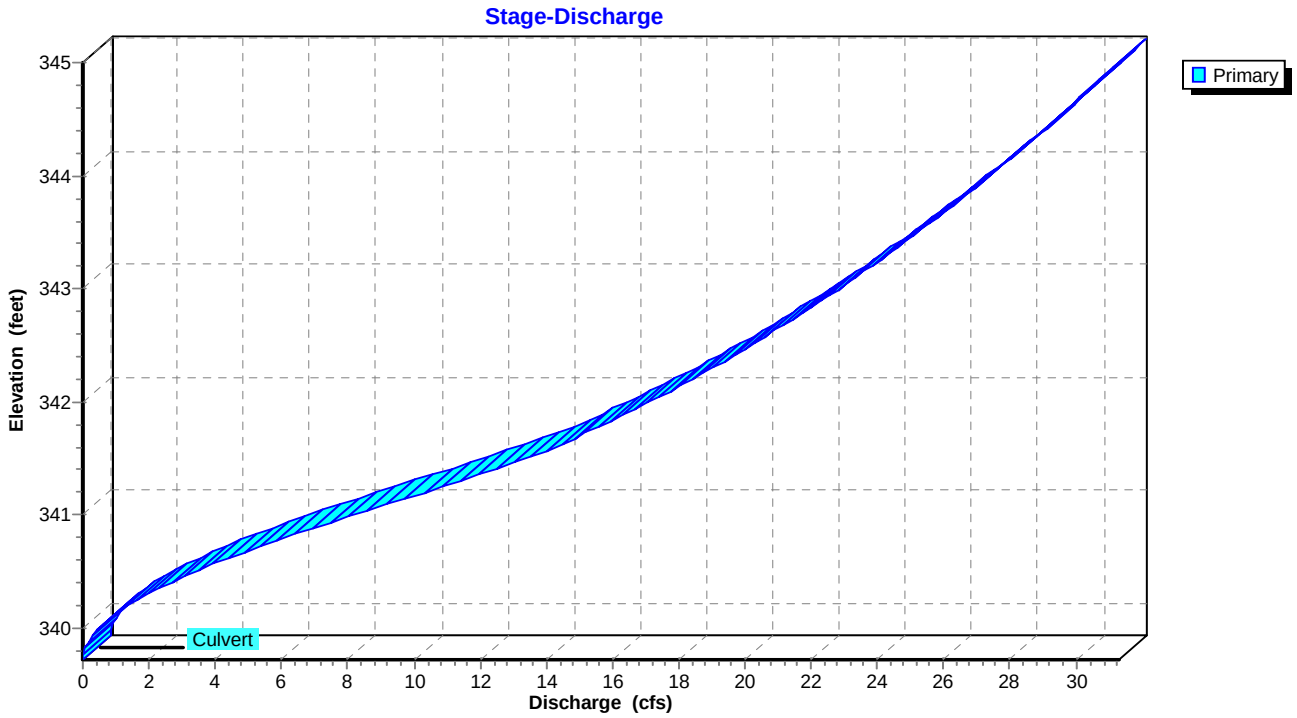
Device	Routing	Invert	Outlet Devices
#1	Primary	339.72'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 339.72' / 336.37' S= 0.0223 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=21.07 cfs @ 12.29 hrs HW=342.66' TW=338.98' (Dynamic Tailwater)
1=Culvert (Inlet Controls 21.07 cfs @ 6.71 fps)

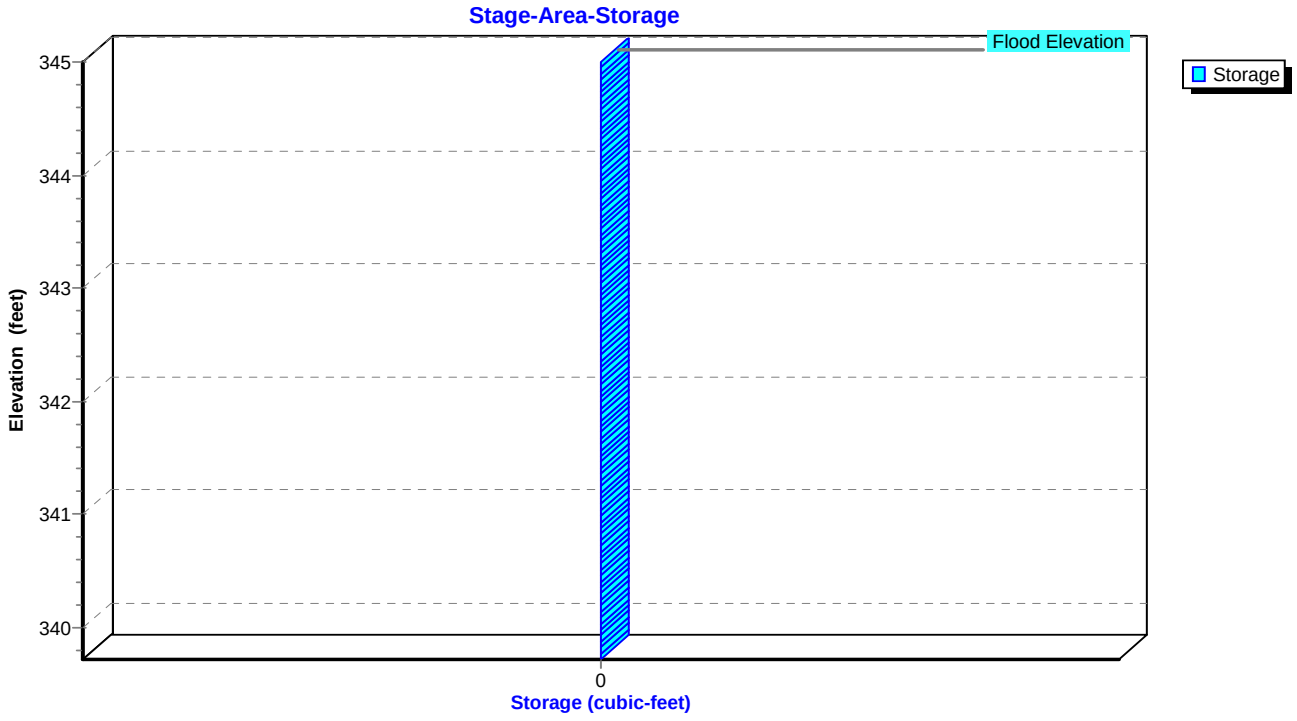
Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Pond CB3-1: CB1-1



Hydrograph for Pond CB3-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	339.72	0.00
0.50	0.00	339.72	0.00
1.00	0.00	339.72	0.00
1.50	0.00	339.72	0.00
2.00	0.00	339.72	0.00
2.50	0.00	339.72	0.00
3.00	0.00	339.72	0.00
3.50	0.00	339.72	0.00
4.00	0.00	339.72	0.00
4.50	0.00	339.72	0.00
5.00	0.00	339.73	0.00
5.50	0.01	339.77	0.01
6.00	0.04	339.80	0.04
6.50	0.08	339.83	0.08
7.00	0.13	339.86	0.13
7.50	0.19	339.89	0.19
8.00	0.26	339.93	0.26
8.50	0.36	339.96	0.36
9.00	0.51	340.01	0.51
9.50	0.69	340.06	0.69
10.00	0.89	340.10	0.89
10.50	1.17	340.16	1.17
11.00	1.57	340.24	1.57
11.50	2.37	340.36	2.37
12.00	**8.41**	**341.02**	**8.41**
12.50	**15.59**	**341.78**	**15.59**
13.00	4.54	340.63	4.54
13.50	2.63	340.40	2.63
14.00	2.12	340.32	2.12
14.50	1.76	340.27	1.76
15.00	1.55	340.23	1.55
15.50	1.34	340.19	1.34
16.00	1.12	340.15	1.12
16.50	0.95	340.12	0.95
17.00	0.85	340.10	0.85
17.50	0.76	340.07	0.76
18.00	0.67	340.05	0.67
18.50	0.60	340.03	0.60
19.00	0.57	340.02	0.57
19.50	0.54	340.02	0.54
20.00	0.51	340.01	0.51
20.50	0.49	340.00	0.49
21.00	0.46	339.99	0.46
21.50	0.44	339.99	0.44
22.00	0.42	339.98	0.42
22.50	0.40	339.97	0.40
23.00	0.38	339.97	0.38
23.50	0.36	339.96	0.36
24.00	0.34	339.95	0.34

Stage-Discharge for Pond CB3-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
339.72	0.00	341.76	15.43	343.80	26.55
339.76	0.01	341.80	15.72	343.84	26.72
339.80	0.04	341.84	16.01	343.88	26.89
339.84	0.09	341.88	16.29	343.92	27.06
339.88	0.16	341.92	16.57	343.96	27.23
339.92	0.25	341.96	16.84	344.00	27.40
339.96	0.36	342.00	17.11	344.04	27.56
340.00	0.48	342.04	17.38	344.08	27.73
340.04	0.62	342.08	17.64	344.12	27.89
340.08	0.79	342.12	17.90	344.16	28.06
340.12	0.96	342.16	18.15	344.20	28.22
340.16	1.16	342.20	18.40	344.24	28.38
340.20	1.37	342.24	18.65	344.28	28.54
340.24	1.59	342.28	18.89	344.32	28.70
340.28	1.83	342.32	19.13	344.36	28.86
340.32	2.09	342.36	19.37	344.40	29.02
340.36	2.36	342.40	19.61	344.44	29.18
340.40	2.64	342.44	19.84	344.48	29.33
340.44	2.94	342.48	20.07	344.52	29.49
340.48	3.25	342.52	20.29	344.56	29.64
340.52	3.57	342.56	20.52	344.60	29.80
340.56	3.91	342.60	20.74	344.64	29.95
340.60	4.25	342.64	20.96	344.68	30.10
340.64	4.61	342.68	21.18	344.72	30.25
340.68	4.97	342.72	21.39	344.76	30.40
340.72	5.35	342.76	21.61	344.80	30.55
340.76	5.73	342.80	21.82	344.84	30.70
340.80	6.12	342.84	22.02	344.88	30.85
340.84	6.52	342.88	22.23	344.92	31.00
340.88	6.93	342.92	22.44	344.96	31.15
340.92	7.34	342.96	22.64	345.00	**31.29**
340.96	7.76	343.00	22.84		
341.00	8.18	343.04	23.04		
341.04	8.60	343.08	23.24		
341.08	9.03	343.12	23.43		
341.12	9.46	343.16	23.63		
341.16	9.89	343.20	23.82		
341.20	10.32	343.24	24.01		
341.24	10.75	343.28	24.20		
341.28	11.18	343.32	24.39		
341.32	11.60	343.36	24.58		
341.36	12.02	343.40	24.76		
341.40	12.43	343.44	24.95		
341.44	12.83	343.48	25.13		
341.48	13.23	343.52	25.31		
341.52	13.60	343.56	25.49		
341.56	13.97	343.60	25.67		
341.60	14.31	343.64	25.85		
341.64	14.62	343.68	26.02		
341.68	14.90	343.72	26.20		
341.72	15.13	343.76	26.37		

Stage-Area-Storage for Pond CB3-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
339.72	**0**	341.76	0	343.80	0
339.76	0	341.80	0	343.84	0
339.80	0	341.84	0	343.88	0
339.84	0	341.88	0	343.92	0
339.88	0	341.92	0	343.96	0
339.92	0	341.96	0	344.00	0
339.96	0	342.00	0	344.04	0
340.00	0	342.04	0	344.08	0
340.04	0	342.08	0	344.12	0
340.08	0	342.12	0	344.16	0
340.12	0	342.16	0	344.20	0
340.16	0	342.20	0	344.24	0
340.20	0	342.24	0	344.28	0
340.24	0	342.28	0	344.32	0
340.28	0	342.32	0	344.36	0
340.32	0	342.36	0	344.40	0
340.36	0	342.40	0	344.44	0
340.40	0	342.44	0	344.48	0
340.44	0	342.48	0	344.52	0
340.48	0	342.52	0	344.56	0
340.52	0	342.56	0	344.60	0
340.56	0	342.60	0	344.64	0
340.60	0	342.64	0	344.68	0
340.64	0	342.68	0	344.72	0
340.68	0	342.72	0	344.76	0
340.72	0	342.76	0	344.80	0
340.76	0	342.80	0	344.84	0
340.80	0	342.84	0	344.88	0
340.84	0	342.88	0	344.92	0
340.88	0	342.92	0	344.96	0
340.92	0	342.96	0	345.00	0
340.96	0	343.00	0		
341.00	0	343.04	0		
341.04	0	343.08	0		
341.08	0	343.12	0		
341.12	0	343.16	0		
341.16	0	343.20	0		
341.20	0	343.24	0		
341.24	0	343.28	0		
341.28	0	343.32	0		
341.32	0	343.36	0		
341.36	0	343.40	0		
341.40	0	343.44	0		
341.44	0	343.48	0		
341.48	0	343.52	0		
341.52	0	343.56	0		
341.56	0	343.60	0		
341.60	0	343.64	0		
341.64	0	343.68	0		
341.68	0	343.72	0		
341.72	0	343.76	0		

Summary for Pond CB4: Catchbasin

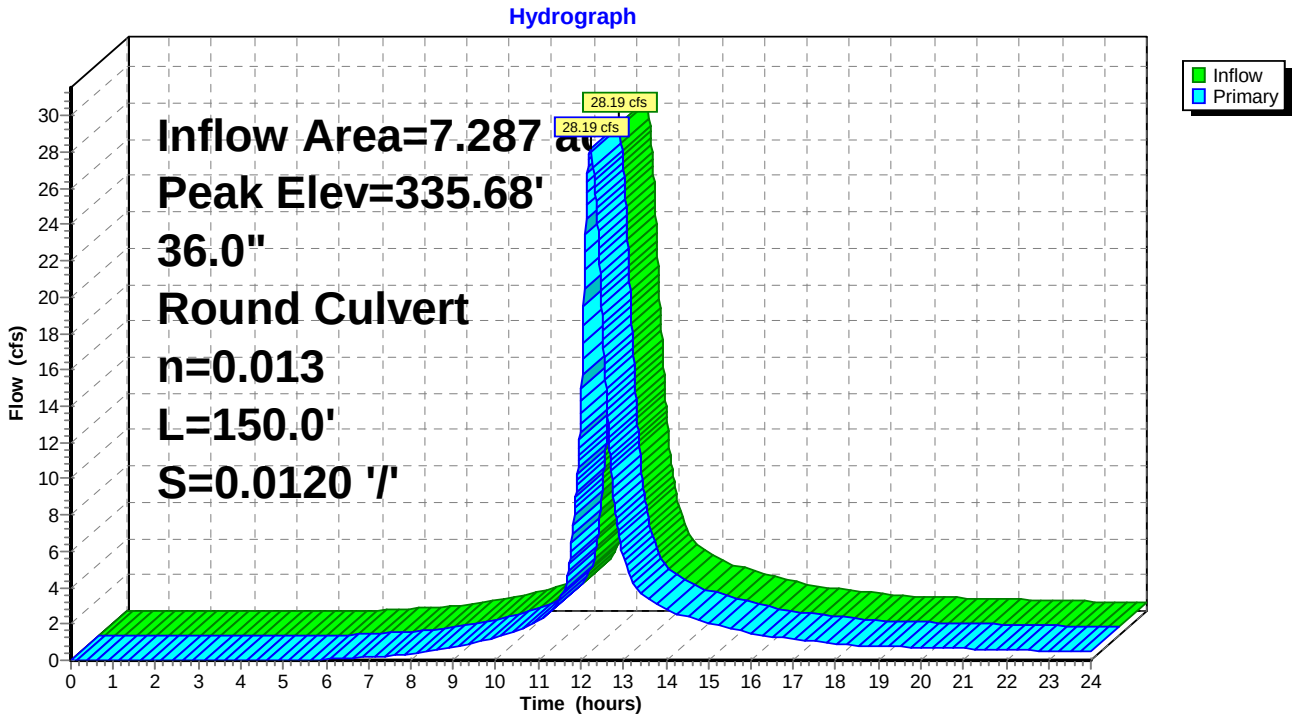
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 335.68' @ 12.23 hrs
Flood Elev= 337.75'

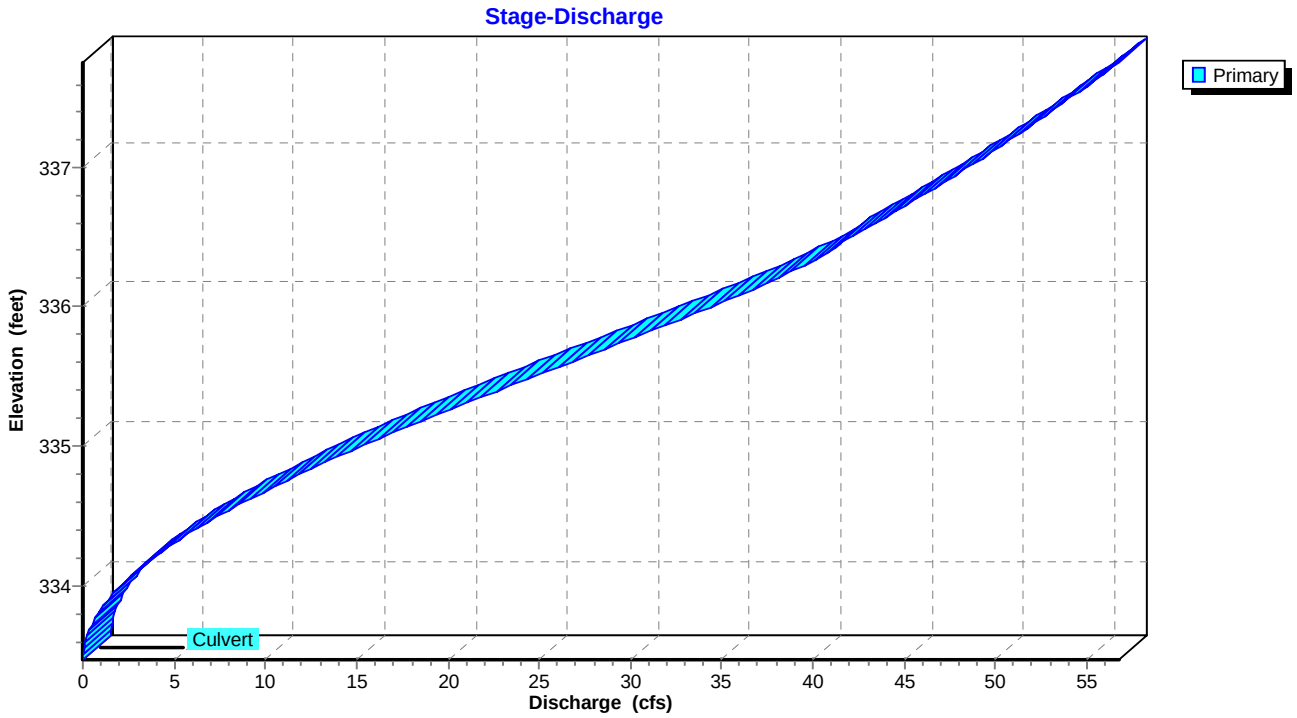
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=28.19 cfs @ 12.23 hrs HW=335.68' TW=332.56' (Dynamic Tailwater)
1=Culvert (Inlet Controls 28.19 cfs @ 5.06 fps)

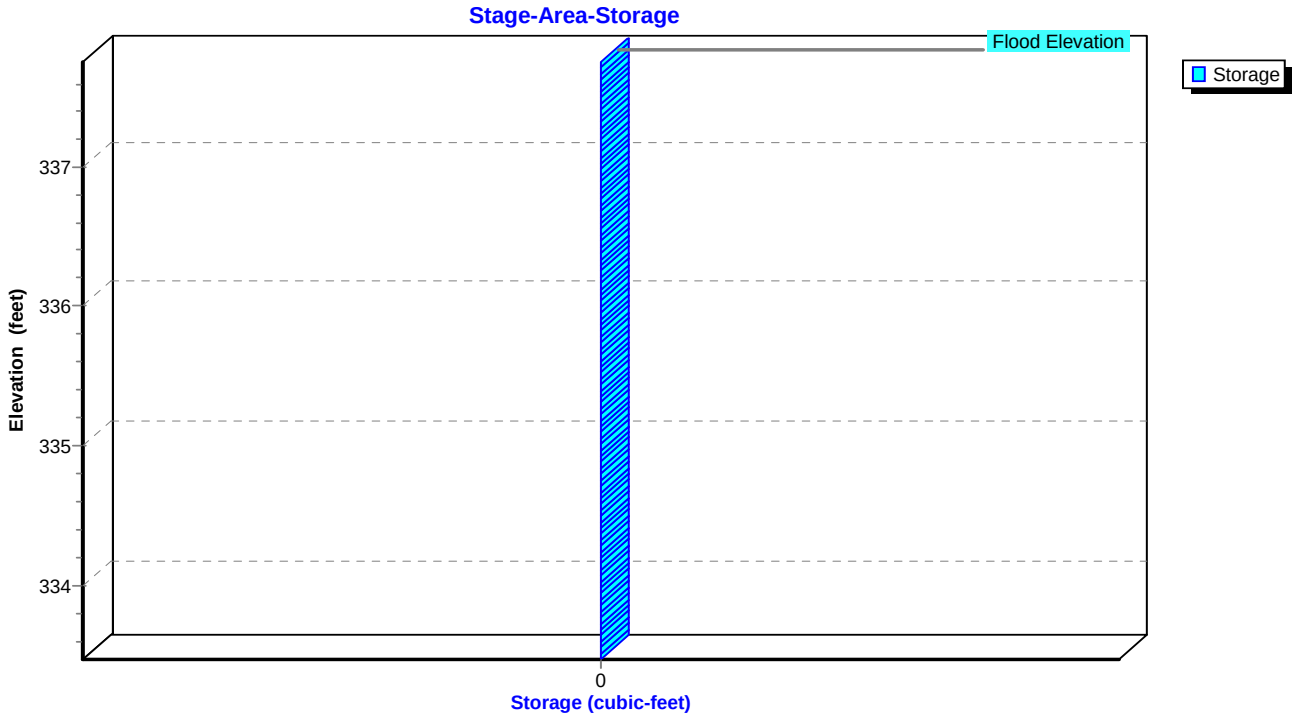
Pond CB4: Catchbasin



Pond CB4: Catchbasin



Pond CB4: Catchbasin



Hydrograph for Pond CB4: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.48	0.00
5.50	0.01	333.51	0.01
6.00	0.05	333.55	0.05
6.50	0.10	333.58	0.10
7.00	0.17	333.62	0.17
7.50	0.25	333.65	0.25
8.00	0.35	333.68	0.35
8.50	0.50	333.72	0.50
9.00	0.70	333.77	0.70
9.50	0.95	333.82	0.95
10.00	1.23	333.87	1.23
10.50	1.63	333.94	1.63
11.00	2.19	334.01	2.19
11.50	3.39	334.15	3.39
12.00	**13.64**	**334.91**	**13.64**
12.50	**19.03**	**335.21**	**19.03**
13.00	5.72	334.37	5.72
13.50	3.51	334.16	3.51
14.00	2.84	334.09	2.84
14.50	2.38	334.04	2.38
15.00	2.09	334.00	2.09
15.50	1.80	333.96	1.80
16.00	1.51	333.92	1.51
16.50	1.29	333.88	1.29
17.00	1.16	333.86	1.16
17.50	1.03	333.84	1.03
18.00	0.90	333.81	0.90
18.50	0.81	333.80	0.81
19.00	0.77	333.79	0.77
19.50	0.73	333.78	0.73
20.00	0.70	333.77	0.70
20.50	0.66	333.76	0.66
21.00	0.63	333.76	0.63
21.50	0.60	333.75	0.60
22.00	0.57	333.74	0.57
22.50	0.55	333.74	0.55
23.00	0.52	333.73	0.52
23.50	0.49	333.72	0.49
24.00	0.46	333.71	0.46

Stage-Discharge for Pond CB4: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	336.02	34.82
333.52	0.02	336.07	35.73
333.57	0.08	336.12	36.62
333.62	0.17	336.17	37.49
333.67	0.31	336.22	38.32
333.72	0.48	336.27	39.12
333.77	0.69	336.32	39.87
333.82	0.93	336.37	40.56
333.87	1.21	336.42	41.19
333.92	1.52	336.47	41.68
333.97	1.86	336.52	42.37
334.02	2.24	336.57	43.05
334.07	2.65	336.62	43.72
334.12	3.10	336.67	44.38
334.17	3.57	336.72	45.02
334.22	4.07	336.77	45.66
334.27	4.61	336.82	46.29
334.32	5.17	336.87	46.91
334.37	5.76	336.92	47.53
334.42	6.38	336.97	48.13
334.47	7.02	337.02	48.73
334.52	7.69	337.07	49.32
334.57	8.39	337.12	49.91
334.62	9.11	337.17	50.48
334.67	9.85	337.22	51.05
334.72	10.61	337.27	51.62
334.77	11.40	337.32	52.17
334.82	12.20	337.37	52.73
334.87	13.03	337.42	53.27
334.92	13.88	337.47	53.81
334.97	14.74	337.52	54.35
335.02	15.62	337.57	54.88
335.07	16.51	337.62	55.41
335.12	17.42	337.67	55.93
335.17	18.34	337.72	**56.44**
335.22	19.28		
335.27	20.23		
335.32	21.18		
335.37	22.15		
335.42	23.12		
335.47	24.10		
335.52	25.09		
335.57	26.08		
335.62	27.07		
335.67	28.05		
335.72	29.04		
335.77	30.03		
335.82	31.00		
335.87	31.98		
335.92	32.94		
335.97	33.88		

Stage-Area-Storage for Pond CB4: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.47	**0**	336.02	0
333.52	0	336.07	0
333.57	0	336.12	0
333.62	0	336.17	0
333.67	0	336.22	0
333.72	0	336.27	0
333.77	0	336.32	0
333.82	0	336.37	0
333.87	0	336.42	0
333.92	0	336.47	0
333.97	0	336.52	0
334.02	0	336.57	0
334.07	0	336.62	0
334.12	0	336.67	0
334.17	0	336.72	0
334.22	0	336.77	0
334.27	0	336.82	0
334.32	0	336.87	0
334.37	0	336.92	0
334.42	0	336.97	0
334.47	0	337.02	0
334.52	0	337.07	0
334.57	0	337.12	0
334.62	0	337.17	0
334.67	0	337.22	0
334.72	0	337.27	0
334.77	0	337.32	0
334.82	0	337.37	0
334.87	0	337.42	0
334.92	0	337.47	0
334.97	0	337.52	0
335.02	0	337.57	0
335.07	0	337.62	0
335.12	0	337.67	0
335.17	0	337.72	0
335.22	0		
335.27	0		
335.32	0		
335.37	0		
335.42	0		
335.47	0		
335.52	0		
335.57	0		
335.62	0		
335.67	0		
335.72	0		
335.77	0		
335.82	0		
335.87	0		
335.92	0		
335.97	0		

Summary for Pond CB4-1: CB1-1

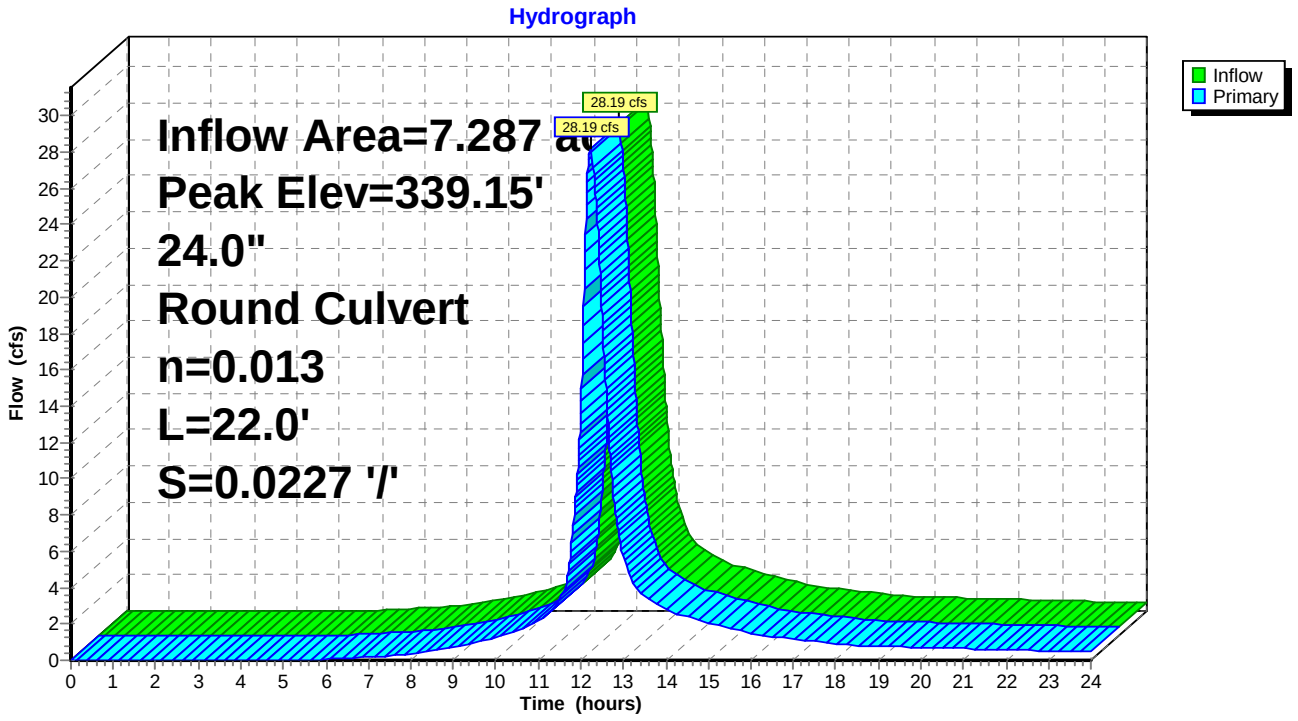
Inflow Area = 7.287 ac, 33.18% Impervious, Inflow Depth > 5.36" for 100-Year event
Inflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af
Outflow = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af, Atten= 0%, Lag= 0.0 min
Primary = 28.19 cfs @ 12.23 hrs, Volume= 3.257 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 339.15' @ 12.23 hrs
Flood Elev= 339.50'

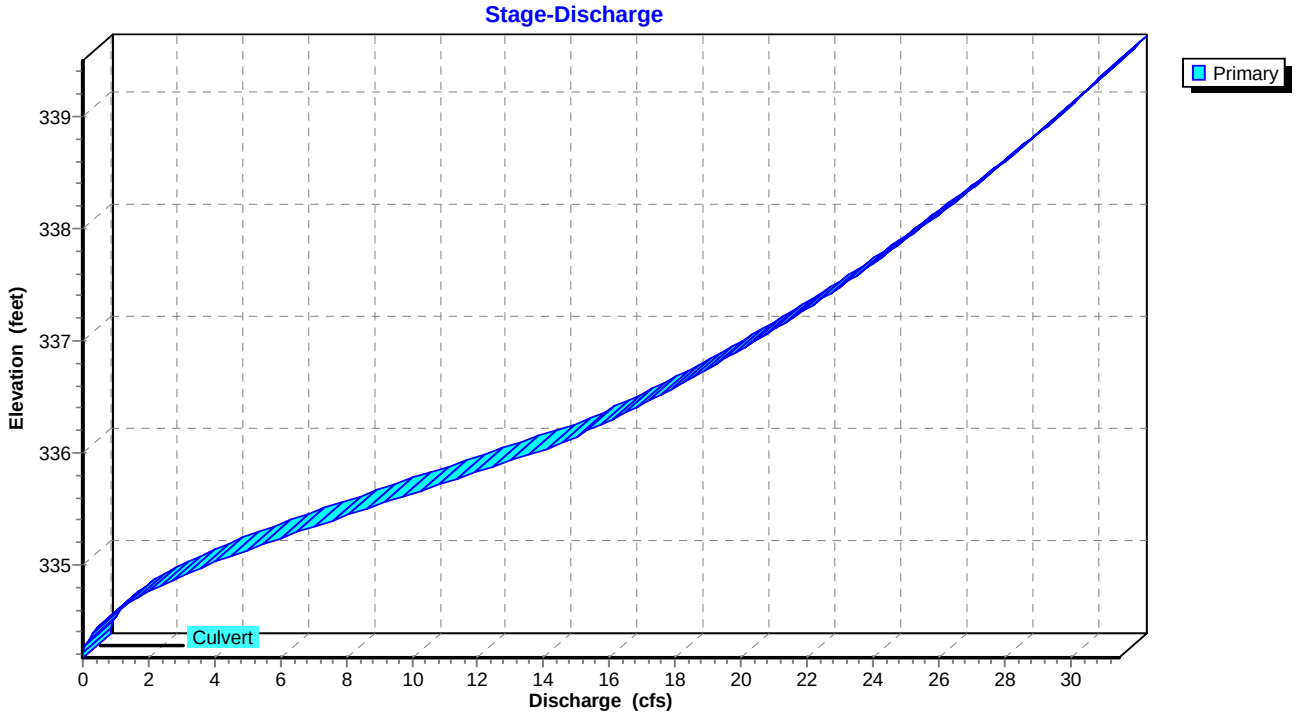
Device	Routing	Invert	Outlet Devices
#1	Primary	334.17'	**24.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.17' / 333.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=28.18 cfs @ 12.23 hrs HW=339.15' TW=335.68' (Dynamic Tailwater)
1=Culvert (Inlet Controls 28.18 cfs @ 8.97 fps)

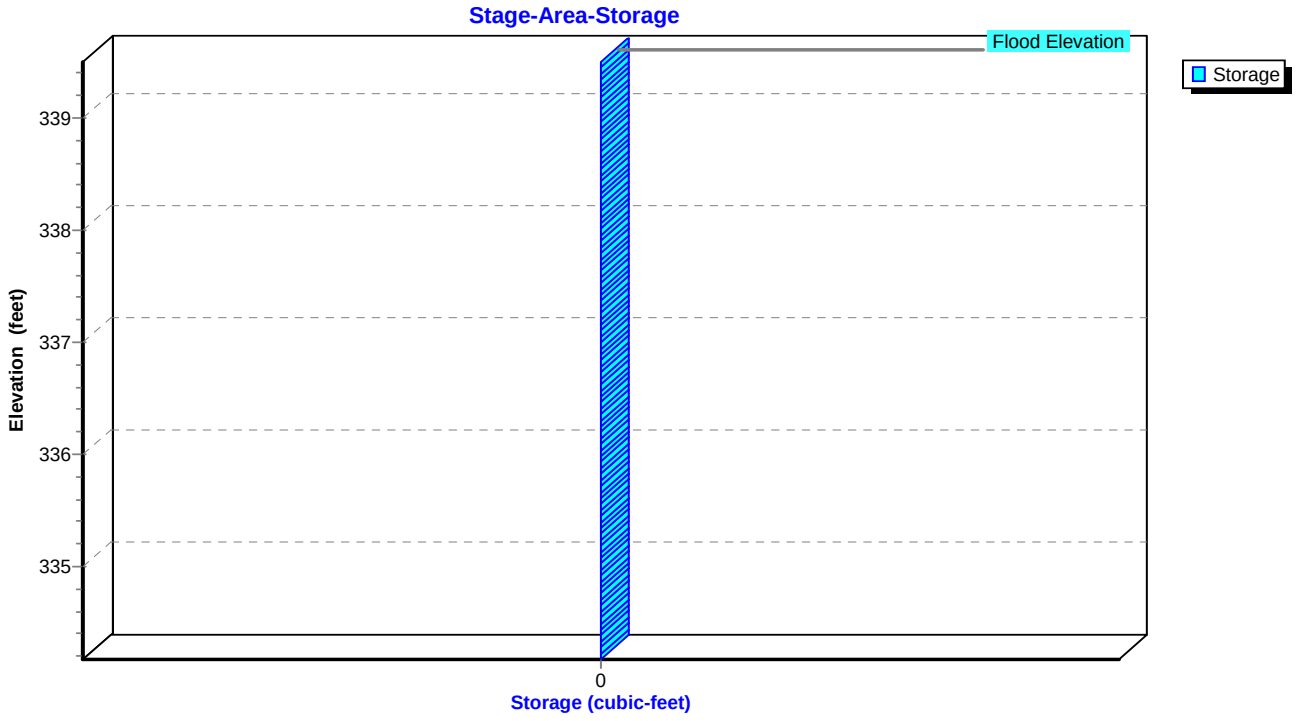
Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Pond CB4-1: CB1-1



Hydrograph for Pond CB4-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.17	0.00
0.50	0.00	334.17	0.00
1.00	0.00	334.17	0.00
1.50	0.00	334.17	0.00
2.00	0.00	334.17	0.00
2.50	0.00	334.17	0.00
3.00	0.00	334.17	0.00
3.50	0.00	334.17	0.00
4.00	0.00	334.17	0.00
4.50	0.00	334.17	0.00
5.00	0.00	334.18	0.00
5.50	0.01	334.22	0.01
6.00	0.05	334.26	0.05
6.50	0.10	334.30	0.10
7.00	0.17	334.33	0.17
7.50	0.25	334.37	0.25
8.00	0.35	334.41	0.35
8.50	0.50	334.45	0.50
9.00	0.70	334.51	0.70
9.50	0.95	334.57	0.95
10.00	1.23	334.62	1.23
10.50	1.63	334.70	1.63
11.00	2.19	334.78	2.19
11.50	3.39	334.95	3.39
12.00	**13.64**	**335.99**	**13.64**
12.50	**19.03**	**336.81**	**19.03**
13.00	5.72	335.21	5.72
13.50	3.51	334.96	3.51
14.00	2.84	334.88	2.84
14.50	2.38	334.81	2.38
15.00	2.09	334.77	2.09
15.50	1.80	334.72	1.80
16.00	1.51	334.67	1.51
16.50	1.29	334.64	1.29
17.00	1.16	334.61	1.16
17.50	1.03	334.58	1.03
18.00	0.90	334.56	0.90
18.50	0.81	334.54	0.81
19.00	0.77	334.53	0.77
19.50	0.73	334.52	0.73
20.00	0.70	334.51	0.70
20.50	0.66	334.50	0.66
21.00	0.63	334.49	0.63
21.50	0.60	334.48	0.60
22.00	0.57	334.48	0.57
22.50	0.55	334.47	0.55
23.00	0.52	334.46	0.52
23.50	0.49	334.45	0.49
24.00	0.46	334.44	0.46

Stage-Discharge for Pond CB4-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.17	0.00	336.21	15.43	338.25	26.55
334.21	0.01	336.25	15.72	338.29	26.72
334.25	0.04	336.29	16.01	338.33	26.89
334.29	0.09	336.33	16.29	338.37	27.06
334.33	0.16	336.37	16.57	338.41	27.23
334.37	0.25	336.41	16.84	338.45	27.40
334.41	0.36	336.45	17.11	338.49	27.56
334.45	0.48	336.49	17.38	338.53	27.73
334.49	0.62	336.53	17.64	338.57	27.89
334.53	0.79	336.57	17.90	338.61	28.06
334.57	0.96	336.61	18.15	338.65	28.22
334.61	1.16	336.65	18.40	338.69	28.38
334.65	1.37	336.69	18.65	338.73	28.54
334.69	1.59	336.73	18.89	338.77	28.70
334.73	1.83	336.77	19.13	338.81	28.86
334.77	2.09	336.81	19.37	338.85	29.02
334.81	2.36	336.85	19.61	338.89	29.18
334.85	2.64	336.89	19.84	338.93	29.33
334.89	2.94	336.93	20.07	338.97	29.49
334.93	3.25	336.97	20.29	339.01	29.64
334.97	3.57	337.01	20.52	339.05	29.80
335.01	3.91	337.05	20.74	339.09	29.95
335.05	4.25	337.09	20.96	339.13	30.10
335.09	4.61	337.13	21.18	339.17	30.25
335.13	4.97	337.17	21.39	339.21	30.40
335.17	5.35	337.21	21.61	339.25	30.55
335.21	5.73	337.25	21.82	339.29	30.70
335.25	6.12	337.29	22.02	339.33	30.85
335.29	6.52	337.33	22.23	339.37	31.00
335.33	6.93	337.37	22.44	339.41	31.15
335.37	7.33	337.41	22.64	339.45	31.29
335.41	7.72	337.45	22.84	339.49	**31.44**
335.45	8.11	337.49	23.04		
335.49	8.51	337.53	23.24		
335.53	8.91	337.57	23.43		
335.57	9.31	337.61	23.63		
335.61	9.72	337.65	23.82		
335.65	10.12	337.69	24.01		
335.69	10.54	337.73	24.20		
335.73	10.95	337.77	24.39		
335.77	11.36	337.81	24.58		
335.81	11.78	337.85	24.76		
335.85	12.20	337.89	24.95		
335.89	12.61	337.93	25.13		
335.93	13.03	337.97	25.31		
335.97	13.45	338.01	25.49		
336.01	13.86	338.05	25.67		
336.05	14.27	338.09	25.85		
336.09	14.62	338.13	26.02		
336.13	14.90	338.17	26.20		
336.17	15.13	338.21	26.37		

Stage-Area-Storage for Pond CB4-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.17	**0**	336.21	0	338.25	0
334.21	0	336.25	0	338.29	0
334.25	0	336.29	0	338.33	0
334.29	0	336.33	0	338.37	0
334.33	0	336.37	0	338.41	0
334.37	0	336.41	0	338.45	0
334.41	0	336.45	0	338.49	0
334.45	0	336.49	0	338.53	0
334.49	0	336.53	0	338.57	0
334.53	0	336.57	0	338.61	0
334.57	0	336.61	0	338.65	0
334.61	0	336.65	0	338.69	0
334.65	0	336.69	0	338.73	0
334.69	0	336.73	0	338.77	0
334.73	0	336.77	0	338.81	0
334.77	0	336.81	0	338.85	0
334.81	0	336.85	0	338.89	0
334.85	0	336.89	0	338.93	0
334.89	0	336.93	0	338.97	0
334.93	0	336.97	0	339.01	0
334.97	0	337.01	0	339.05	0
335.01	0	337.05	0	339.09	0
335.05	0	337.09	0	339.13	0
335.09	0	337.13	0	339.17	0
335.13	0	337.17	0	339.21	0
335.17	0	337.21	0	339.25	0
335.21	0	337.25	0	339.29	0
335.25	0	337.29	0	339.33	0
335.29	0	337.33	0	339.37	0
335.33	0	337.37	0	339.41	0
335.37	0	337.41	0	339.45	0
335.41	0	337.45	0	339.49	0
335.45	0	337.49	0		
335.49	0	337.53	0		
335.53	0	337.57	0		
335.57	0	337.61	0		
335.61	0	337.65	0		
335.65	0	337.69	0		
335.69	0	337.73	0		
335.73	0	337.77	0		
335.77	0	337.81	0		
335.81	0	337.85	0		
335.85	0	337.89	0		
335.89	0	337.93	0		
335.93	0	337.97	0		
335.97	0	338.01	0		
336.01	0	338.05	0		
336.05	0	338.09	0		
336.09	0	338.13	0		
336.13	0	338.17	0		
336.17	0	338.21	0		

Summary for Pond CB5: Catchbasin

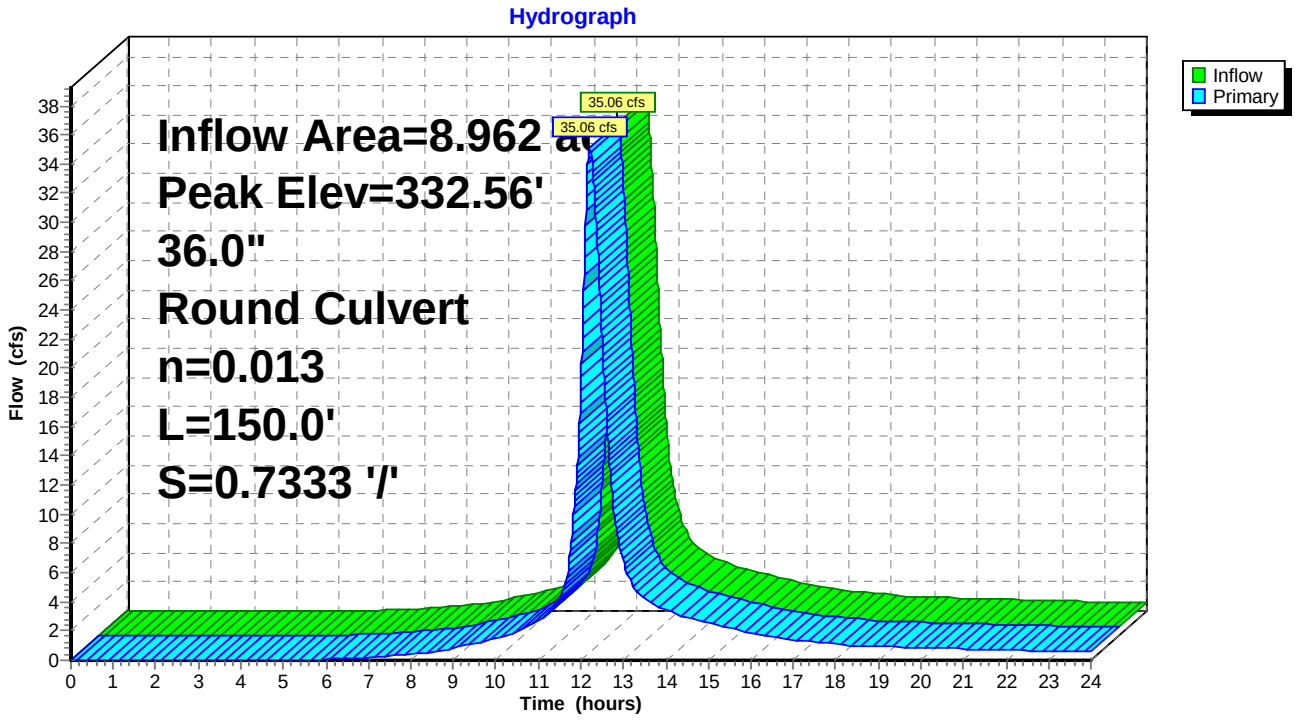
Inflow Area = 8.962 ac, 30.71% Impervious, Inflow Depth > 5.30" for 100-Year event
Inflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af
Outflow = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af, Atten= 0%, Lag= 0.0 min
Primary = 35.06 cfs @ 12.21 hrs, Volume= 3.960 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 332.56' @ 12.21 hrs
Flood Elev= 335.00'

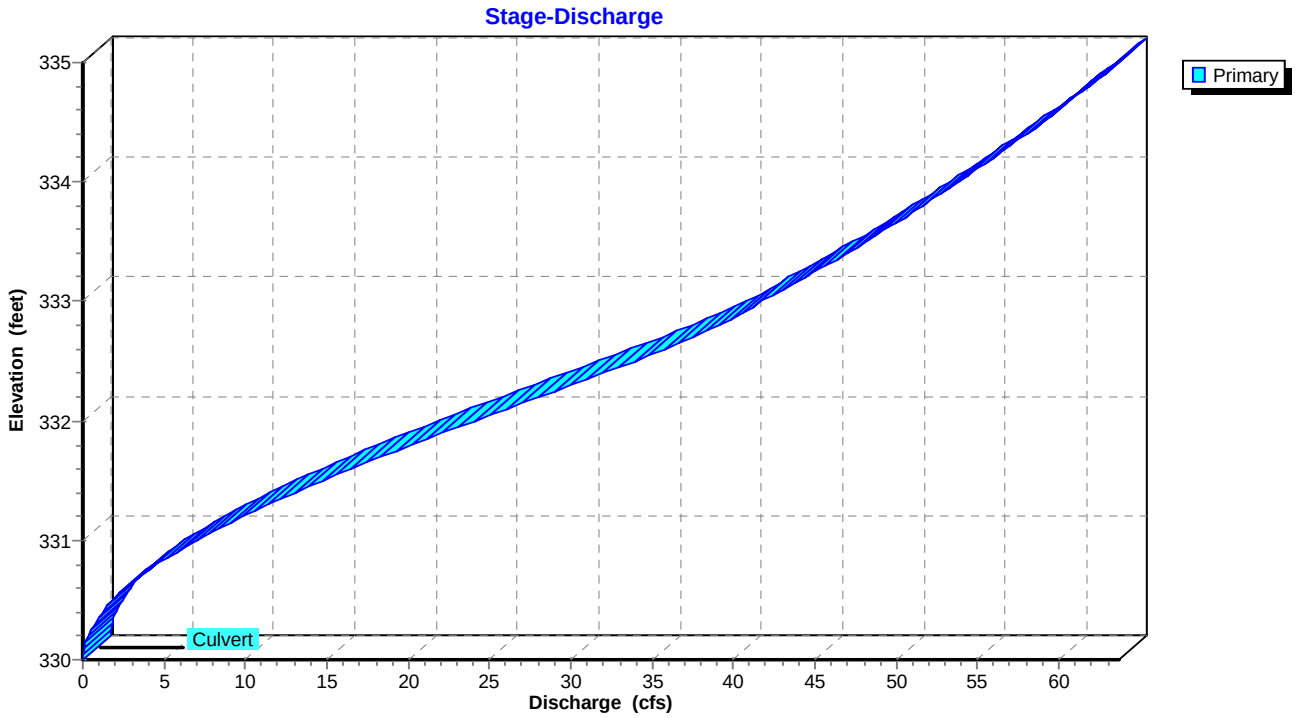
Device	Routing	Invert	Outlet Devices
#1	Primary	330.00'	**36.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 330.00' / 220.00' S= 0.7333 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 7.07 sf

Primary OutFlow Max=35.05 cfs @ 12.21 hrs HW=332.56' TW=0.00' (Dynamic Tailwater)
1=Culvert (Inlet Controls 35.05 cfs @ 5.45 fps)

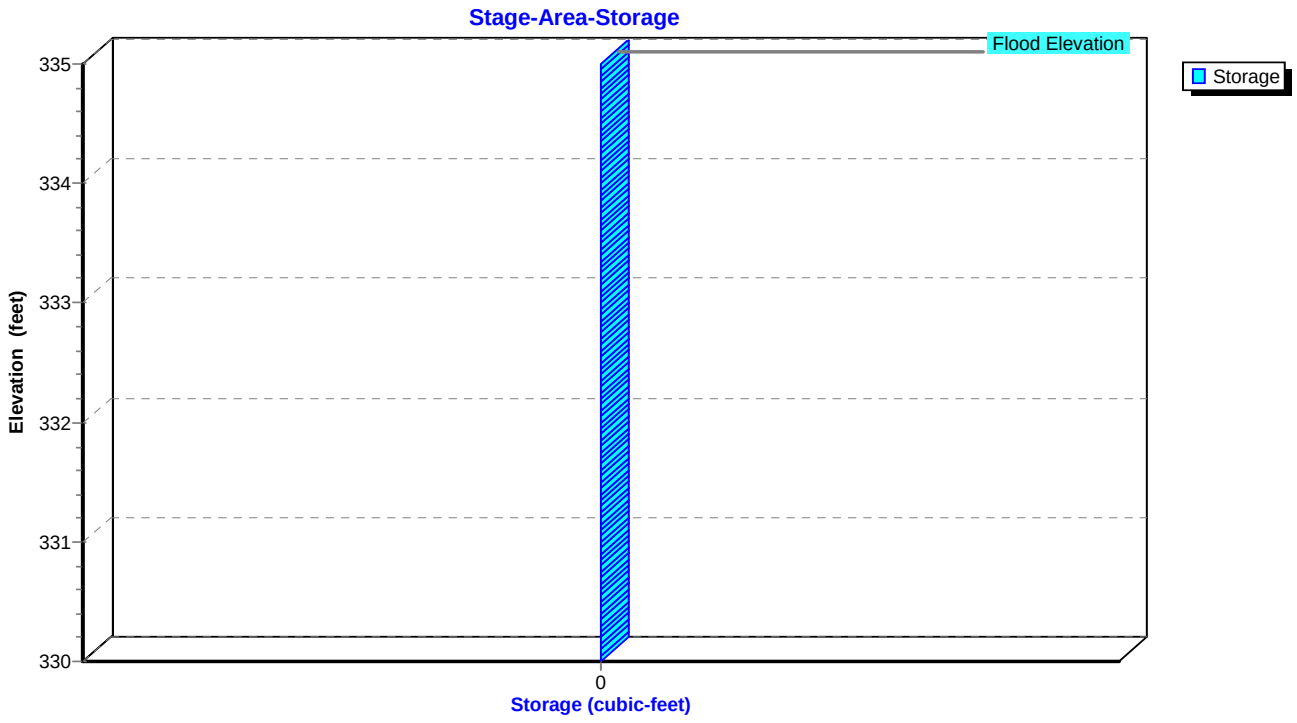
Pond CB5: Catchbasin



Pond CB5: Catchbasin



Pond CB5: Catchbasin



Hydrograph for Pond CB5: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.00	0.00
0.50	0.00	330.00	0.00
1.00	0.00	330.00	0.00
1.50	0.00	330.00	0.00
2.00	0.00	330.00	0.00
2.50	0.00	330.00	0.00
3.00	0.00	330.00	0.00
3.50	0.00	330.00	0.00
4.00	0.00	330.00	0.00
4.50	0.00	330.00	0.00
5.00	0.00	330.01	0.00
5.50	0.01	330.04	0.01
6.00	0.05	330.08	0.05
6.50	0.11	330.12	0.11
7.00	0.19	330.16	0.19
7.50	0.29	330.19	0.29
8.00	0.41	330.23	0.41
8.50	0.59	330.28	0.59
9.00	0.83	330.33	0.83
9.50	1.13	330.39	1.13
10.00	1.48	330.44	1.48
10.50	1.97	330.51	1.97
11.00	2.66	330.60	2.66
11.50	4.18	330.76	4.18
12.00	**18.54**	**331.71**	**18.54**
12.50	**22.05**	**331.89**	**22.05**
13.00	6.72	330.98	6.72
13.50	4.24	330.77	4.24
14.00	3.44	330.69	3.44
14.50	2.90	330.63	2.90
15.00	2.54	330.59	2.54
15.50	2.18	330.54	2.18
16.00	1.83	330.49	1.83
16.50	1.57	330.46	1.57
17.00	1.41	330.43	1.41
17.50	1.25	330.41	1.25
18.00	1.10	330.38	1.10
18.50	0.99	330.36	0.99
19.00	0.94	330.35	0.94
19.50	0.90	330.34	0.90
20.00	0.85	330.33	0.85
20.50	0.81	330.33	0.81
21.00	0.77	330.32	0.77
21.50	0.74	330.31	0.74
22.00	0.70	330.30	0.70
22.50	0.67	330.30	0.67
23.00	0.63	330.29	0.63
23.50	0.60	330.28	0.60
24.00	0.56	330.27	0.56

Stage-Discharge for Pond CB5: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.00	0.00	332.55	34.82
330.05	0.02	332.60	35.73
330.10	0.08	332.65	36.62
330.15	0.17	332.70	37.49
330.20	0.31	332.75	38.32
330.25	0.48	332.80	39.12
330.30	0.69	332.85	39.87
330.35	0.93	332.90	40.56
330.40	1.21	332.95	41.19
330.45	1.52	333.00	41.68
330.50	1.86	333.05	42.37
330.55	2.24	333.10	43.05
330.60	2.65	333.15	43.72
330.65	3.10	333.20	44.38
330.70	3.57	333.25	45.02
330.75	4.07	333.30	45.66
330.80	4.61	333.35	46.29
330.85	5.17	333.40	46.91
330.90	5.76	333.45	47.53
330.95	6.38	333.50	48.13
331.00	7.02	333.55	48.73
331.05	7.69	333.60	49.32
331.10	8.39	333.65	49.91
331.15	9.11	333.70	50.48
331.20	9.85	333.75	51.05
331.25	10.61	333.80	51.62
331.30	11.40	333.85	52.17
331.35	12.20	333.90	52.73
331.40	13.03	333.95	53.27
331.45	13.88	334.00	53.81
331.50	14.74	334.05	54.35
331.55	15.62	334.10	54.88
331.60	16.51	334.15	55.41
331.65	17.42	334.20	55.93
331.70	18.34	334.25	56.44
331.75	19.28	334.30	56.95
331.80	20.23	334.35	57.46
331.85	21.18	334.40	57.96
331.90	22.15	334.45	58.46
331.95	23.12	334.50	58.95
332.00	24.10	334.55	59.44
332.05	25.09	334.60	59.92
332.10	26.08	334.65	60.41
332.15	27.07	334.70	60.88
332.20	28.05	334.75	61.36
332.25	29.04	334.80	61.83
332.30	30.03	334.85	62.29
332.35	31.00	334.90	62.76
332.40	31.98	334.95	63.22
332.45	32.94	335.00	**63.67**
332.50	33.88		

Stage-Area-Storage for Pond CB5: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.00	**0**	332.55	0
330.05	0	332.60	0
330.10	0	332.65	0
330.15	0	332.70	0
330.20	0	332.75	0
330.25	0	332.80	0
330.30	0	332.85	0
330.35	0	332.90	0
330.40	0	332.95	0
330.45	0	333.00	0
330.50	0	333.05	0
330.55	0	333.10	0
330.60	0	333.15	0
330.65	0	333.20	0
330.70	0	333.25	0
330.75	0	333.30	0
330.80	0	333.35	0
330.85	0	333.40	0
330.90	0	333.45	0
330.95	0	333.50	0
331.00	0	333.55	0
331.05	0	333.60	0
331.10	0	333.65	0
331.15	0	333.70	0
331.20	0	333.75	0
331.25	0	333.80	0
331.30	0	333.85	0
331.35	0	333.90	0
331.40	0	333.95	0
331.45	0	334.00	0
331.50	0	334.05	0
331.55	0	334.10	0
331.60	0	334.15	0
331.65	0	334.20	0
331.70	0	334.25	0
331.75	0	334.30	0
331.80	0	334.35	0
331.85	0	334.40	0
331.90	0	334.45	0
331.95	0	334.50	0
332.00	0	334.55	0
332.05	0	334.60	0
332.10	0	334.65	0
332.15	0	334.70	0
332.20	0	334.75	0
332.25	0	334.80	0
332.30	0	334.85	0
332.35	0	334.90	0
332.40	0	334.95	0
332.45	0	335.00	0
332.50	0		

Summary for Pond CB5-1: CB1-1

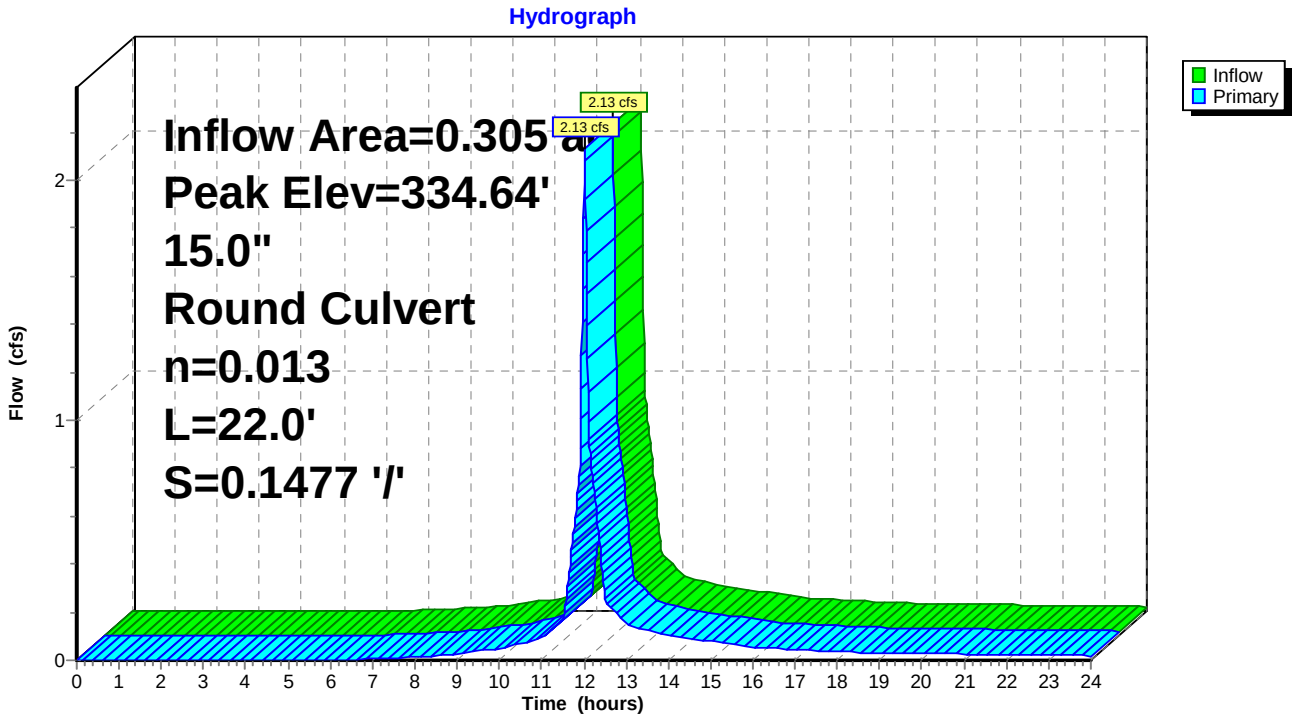
Inflow Area = 0.305 ac, 22.42% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af
Outflow = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.02 hrs, Volume= 0.128 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.64' @ 12.02 hrs
Flood Elev= 336.50'

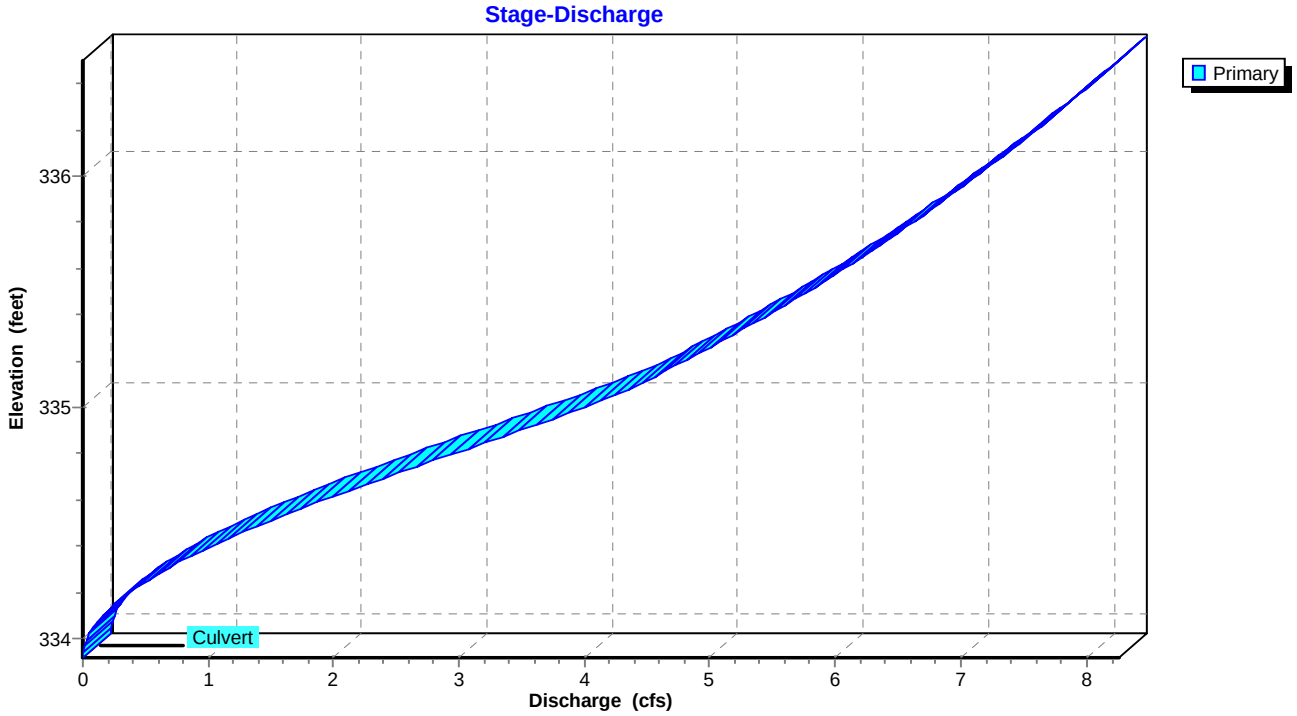
Device	Routing	Invert	Outlet Devices
#1	Primary	333.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 333.92' / 330.67' S= 0.1477 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.12 cfs @ 12.02 hrs HW=334.64' TW=331.78' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.12 cfs @ 2.89 fps)

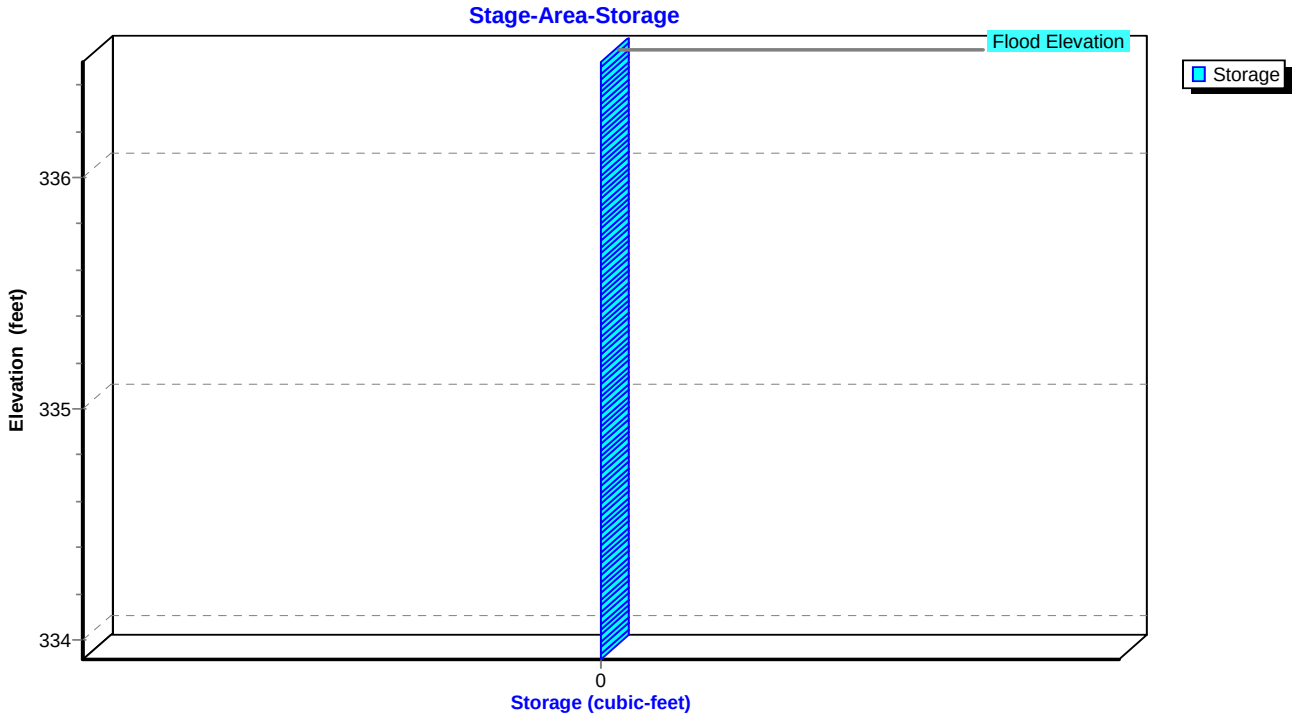
Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Pond CB5-1: CB1-1



Hydrograph for Pond CB5-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.92	0.00
0.50	0.00	333.92	0.00
1.00	0.00	333.92	0.00
1.50	0.00	333.92	0.00
2.00	0.00	333.92	0.00
2.50	0.00	333.92	0.00
3.00	0.00	333.92	0.00
3.50	0.00	333.92	0.00
4.00	0.00	333.92	0.00
4.50	0.00	333.92	0.00
5.00	0.00	333.92	0.00
5.50	0.00	333.92	0.00
6.00	0.00	333.93	0.00
6.50	0.00	333.94	0.00
7.00	0.00	333.95	0.00
7.50	0.01	333.96	0.01
8.00	0.01	333.97	0.01
8.50	0.02	333.98	0.02
9.00	0.03	333.99	0.03
9.50	0.04	334.01	0.04
10.00	0.05	334.02	0.05
10.50	0.07	334.04	0.07
11.00	0.09	334.06	0.09
11.50	0.17	334.11	0.17
12.00	**1.98**	**334.61**	**1.98**
12.50	**0.27**	**334.16**	**0.27**
13.00	0.15	334.10	0.15
13.50	0.13	334.08	0.13
14.00	0.10	334.06	0.10
14.50	0.09	334.06	0.09
15.00	0.08	334.05	0.08
15.50	0.07	334.04	0.07
16.00	0.05	334.03	0.05
16.50	0.05	334.02	0.05
17.00	0.04	334.01	0.04
17.50	0.04	334.01	0.04
18.00	0.03	334.00	0.03
18.50	0.03	334.00	0.03
19.00	0.03	334.00	0.03
19.50	0.03	334.00	0.03
20.00	0.03	333.99	0.03
20.50	0.03	333.99	0.03
21.00	0.03	333.99	0.03
21.50	0.02	333.99	0.02
22.00	0.02	333.99	0.02
22.50	0.02	333.99	0.02
23.00	0.02	333.98	0.02
23.50	0.02	333.98	0.02
24.00	0.02	333.98	0.02

Stage-Discharge for Pond CB5-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.92	0.00	334.94	3.69	335.96	7.03
333.94	0.00	334.96	3.79	335.98	7.08
333.96	0.01	334.98	3.89	336.00	7.13
333.98	0.02	335.00	3.99	336.02	7.18
334.00	0.03	335.02	4.08	336.04	7.22
334.02	0.05	335.04	4.18	336.06	7.27
334.04	0.07	335.06	4.27	336.08	7.32
334.06	0.10	335.08	4.36	336.10	7.37
334.08	0.12	335.10	4.44	336.12	7.42
334.10	0.16	335.12	4.52	336.14	7.46
334.12	0.19	335.14	4.59	336.16	7.51
334.14	0.23	335.16	4.65	336.18	7.56
334.16	0.27	335.18	4.71	336.20	7.60
334.18	0.32	335.20	4.78	336.22	7.65
334.20	0.37	335.22	4.85	336.24	7.69
334.22	0.42	335.24	4.93	336.26	7.74
334.24	0.48	335.26	5.00	336.28	7.78
334.26	0.54	335.28	5.07	336.30	7.83
334.28	0.60	335.30	5.13	336.32	7.87
334.30	0.66	335.32	5.20	336.34	7.92
334.32	0.73	335.34	5.27	336.36	7.96
334.34	0.80	335.36	5.33	336.38	8.00
334.36	0.87	335.38	5.40	336.40	8.05
334.38	0.95	335.40	5.46	336.42	8.09
334.40	1.02	335.42	5.53	336.44	8.13
334.42	1.10	335.44	5.59	336.46	8.18
334.44	1.19	335.46	5.65	336.48	8.22
334.46	1.27	335.48	5.71	336.50	**8.26**
334.48	1.36	335.50	5.77		
334.50	1.45	335.52	5.83		
334.52	1.54	335.54	5.89		
334.54	1.63	335.56	5.95		
334.56	1.72	335.58	6.01		
334.58	1.82	335.60	6.07		
334.60	1.92	335.62	6.13		
334.62	2.01	335.64	6.18		
334.64	2.11	335.66	6.24		
334.66	2.22	335.68	6.30		
334.68	2.32	335.70	6.35		
334.70	2.42	335.72	6.41		
334.72	2.53	335.74	6.46		
334.74	2.63	335.76	6.51		
334.76	2.74	335.78	6.57		
334.78	2.84	335.80	6.62		
334.80	2.95	335.82	6.67		
334.82	3.06	335.84	6.72		
334.84	3.16	335.86	6.78		
334.86	3.27	335.88	6.83		
334.88	3.37	335.90	6.88		
334.90	3.48	335.92	6.93		
334.92	3.58	335.94	6.98		

Stage-Area-Storage for Pond CB5-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
333.92	**0**	334.94	0	335.96	0
333.94	0	334.96	0	335.98	0
333.96	0	334.98	0	336.00	0
333.98	0	335.00	0	336.02	0
334.00	0	335.02	0	336.04	0
334.02	0	335.04	0	336.06	0
334.04	0	335.06	0	336.08	0
334.06	0	335.08	0	336.10	0
334.08	0	335.10	0	336.12	0
334.10	0	335.12	0	336.14	0
334.12	0	335.14	0	336.16	0
334.14	0	335.16	0	336.18	0
334.16	0	335.18	0	336.20	0
334.18	0	335.20	0	336.22	0
334.20	0	335.22	0	336.24	0
334.22	0	335.24	0	336.26	0
334.24	0	335.26	0	336.28	0
334.26	0	335.28	0	336.30	0
334.28	0	335.30	0	336.32	0
334.30	0	335.32	0	336.34	0
334.32	0	335.34	0	336.36	0
334.34	0	335.36	0	336.38	0
334.36	0	335.38	0	336.40	0
334.38	0	335.40	0	336.42	0
334.40	0	335.42	0	336.44	0
334.42	0	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0		
334.50	0	335.52	0		
334.52	0	335.54	0		
334.54	0	335.56	0		
334.56	0	335.58	0		
334.58	0	335.60	0		
334.60	0	335.62	0		
334.62	0	335.64	0		
334.64	0	335.66	0		
334.66	0	335.68	0		
334.68	0	335.70	0		
334.70	0	335.72	0		
334.72	0	335.74	0		
334.74	0	335.76	0		
334.76	0	335.78	0		
334.78	0	335.80	0		
334.80	0	335.82	0		
334.82	0	335.84	0		
334.84	0	335.86	0		
334.86	0	335.88	0		
334.88	0	335.90	0		
334.90	0	335.92	0		
334.92	0	335.94	0		

Summary for Pond CB6: Catchbasin

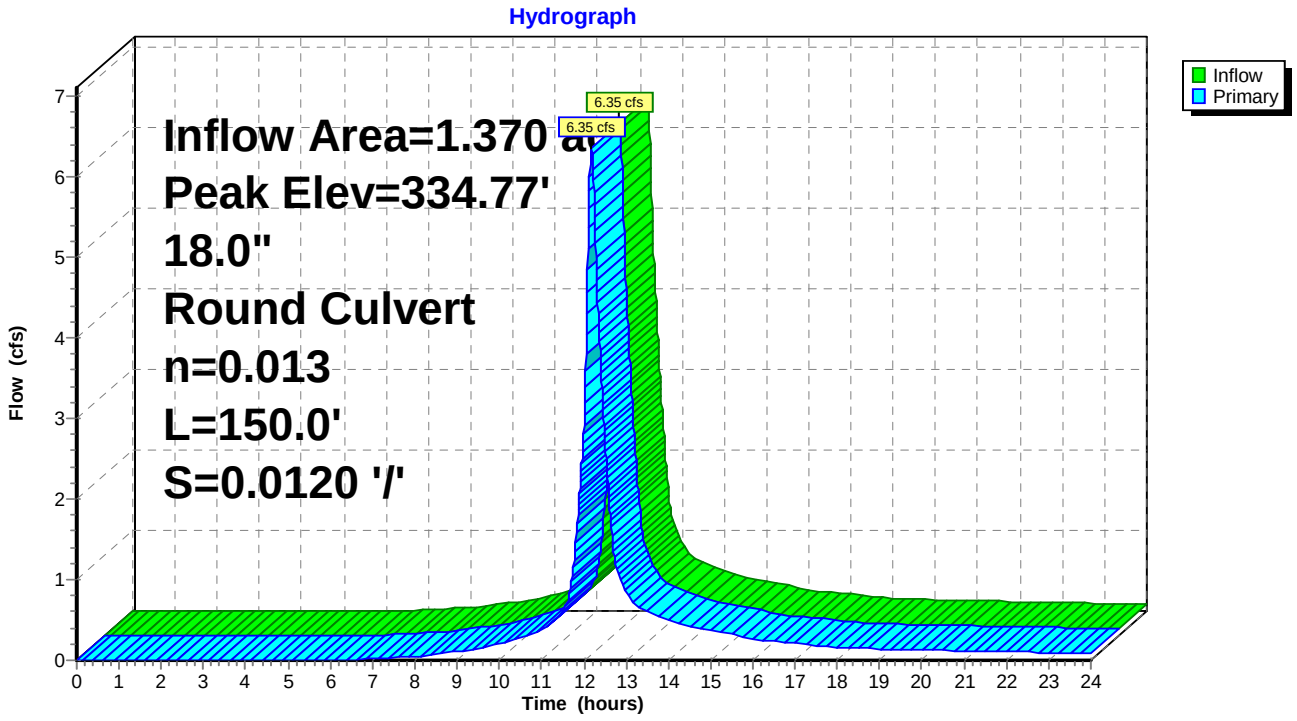
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 5.03" for 100-Year event
Inflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af
Outflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af, Atten= 0%, Lag= 0.0 min
Primary = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.77' @ 12.18 hrs
Flood Elev= 337.00'

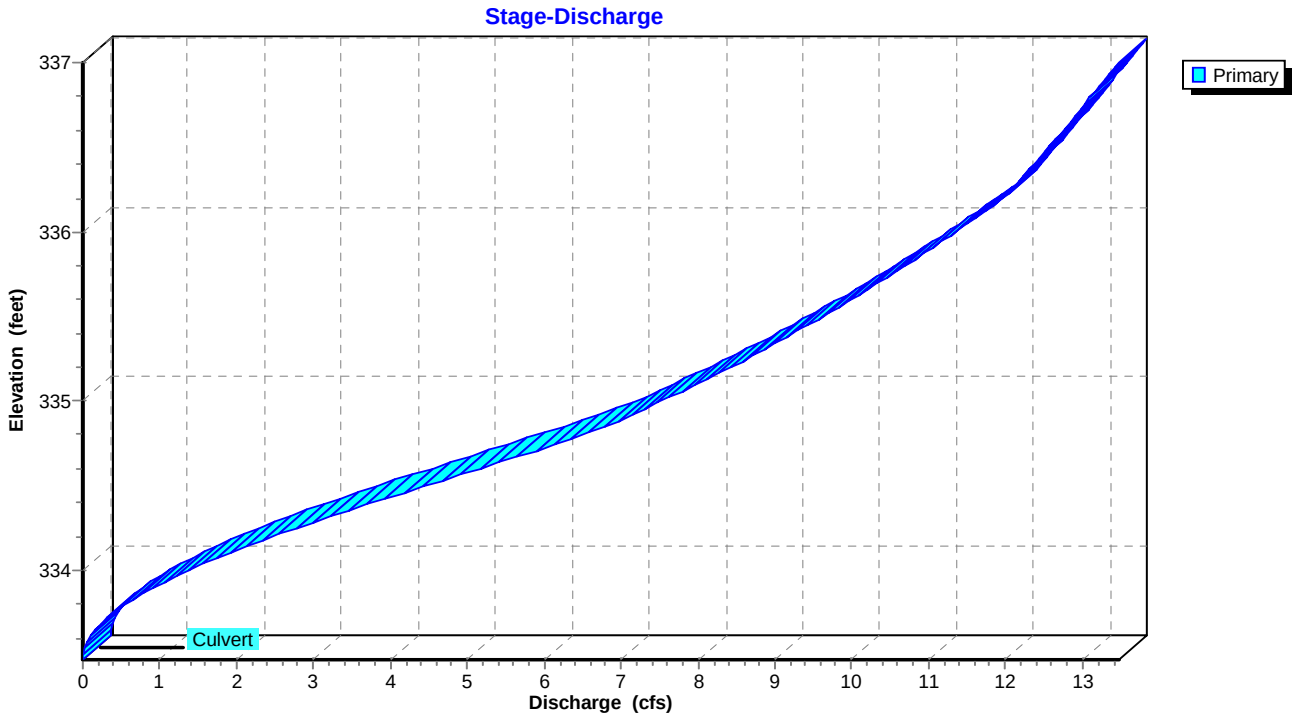
Device	Routing	Invert	Outlet Devices
#1	Primary	333.47'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 333.47' / 331.67' S= 0.0120 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.35 cfs @ 12.18 hrs HW=334.77' TW=332.55' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.35 cfs @ 3.89 fps)

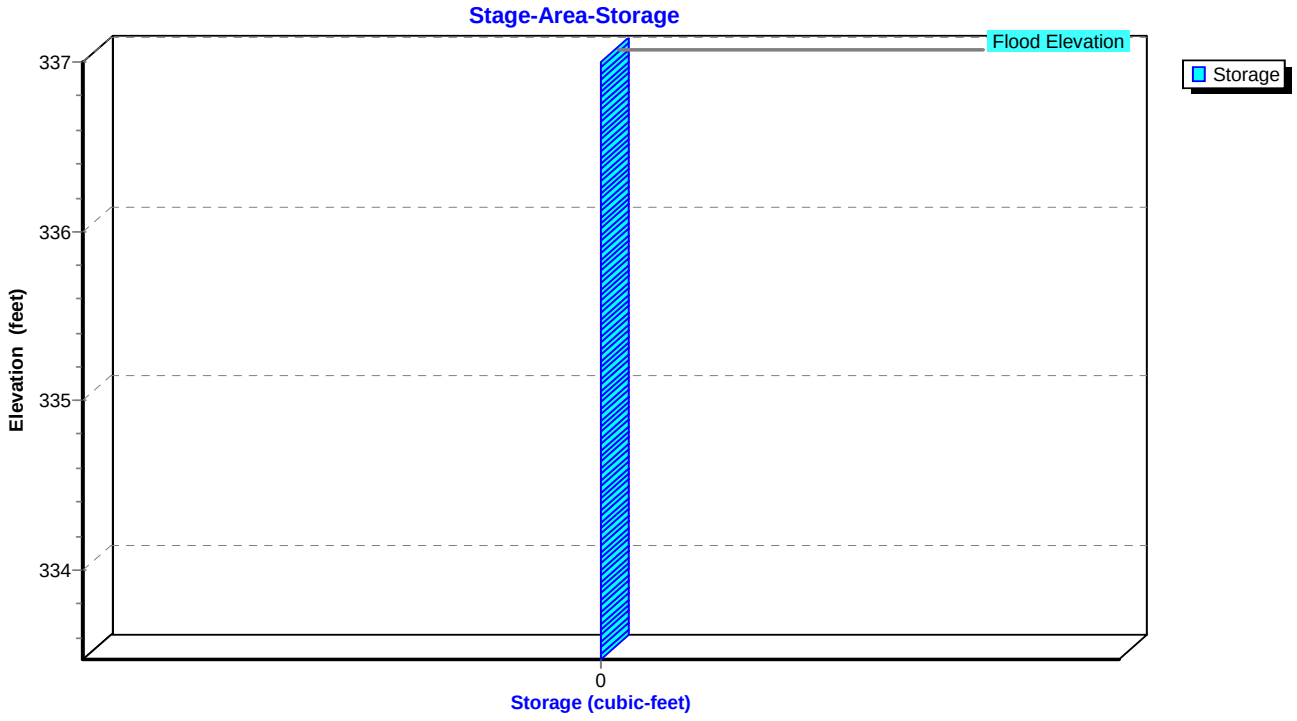
Pond CB6: Catchbasin



Pond CB6: Catchbasin



Pond CB6: Catchbasin



Hydrograph for Pond CB6: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	333.47	0.00
0.50	0.00	333.47	0.00
1.00	0.00	333.47	0.00
1.50	0.00	333.47	0.00
2.00	0.00	333.47	0.00
2.50	0.00	333.47	0.00
3.00	0.00	333.47	0.00
3.50	0.00	333.47	0.00
4.00	0.00	333.47	0.00
4.50	0.00	333.47	0.00
5.00	0.00	333.47	0.00
5.50	0.00	333.47	0.00
6.00	0.00	333.47	0.00
6.50	0.01	333.51	0.01
7.00	0.02	333.53	0.02
7.50	0.03	333.55	0.03
8.00	0.05	333.56	0.05
8.50	0.07	333.59	0.07
9.00	0.11	333.61	0.11
9.50	0.15	333.64	0.15
10.00	0.20	333.66	0.20
10.50	0.27	333.70	0.27
11.00	0.38	333.74	0.38
11.50	0.62	333.82	0.62
12.00	**2.91**	**334.27**	**2.91**
12.50	**2.75**	**334.24**	**2.75**
13.00	0.85	333.88	0.85
13.50	0.61	333.81	0.61
14.00	0.50	333.78	0.50
14.50	0.42	333.75	0.42
15.00	0.37	333.74	0.37
15.50	0.32	333.72	0.32
16.00	0.27	333.69	0.27
16.50	0.23	333.68	0.23
17.00	0.21	333.67	0.21
17.50	0.18	333.66	0.18
18.00	0.16	333.64	0.16
18.50	0.15	333.64	0.15
19.00	0.14	333.63	0.14
19.50	0.13	333.63	0.13
20.00	0.13	333.62	0.13
20.50	0.12	333.62	0.12
21.00	0.12	333.62	0.12
21.50	0.11	333.61	0.11
22.00	0.10	333.61	0.10
22.50	0.10	333.61	0.10
23.00	0.09	333.60	0.09
23.50	0.09	333.60	0.09
24.00	0.08	333.59	0.08

Stage-Discharge for Pond CB6: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
333.47	0.00	334.49	4.40	335.51	9.66	336.53	12.62
333.49	0.00	334.51	4.54	335.53	9.74	336.55	12.66
333.51	0.01	334.53	4.68	335.55	9.81	336.57	12.69
333.53	0.02	334.55	4.82	335.57	9.89	336.59	12.73
333.55	0.03	334.57	4.96	335.59	9.96	336.61	12.77
333.57	0.05	334.59	5.10	335.61	10.03	336.63	12.81
333.59	0.08	334.61	5.24	335.63	10.10	336.65	12.84
333.61	0.11	334.63	5.38	335.65	10.18	336.67	12.88
333.63	0.14	334.65	5.52	335.67	10.25	336.69	12.92
333.65	0.17	334.67	5.65	335.69	10.32	336.71	12.95
333.67	0.21	334.69	5.79	335.71	10.39	336.73	12.99
333.69	0.26	334.71	5.92	335.73	10.46	336.75	13.03
333.71	0.30	334.73	6.06	335.75	10.52	336.77	13.06
333.73	0.36	334.75	6.19	335.77	10.59	336.79	13.10
333.75	0.41	334.77	6.32	335.79	10.66	336.81	13.13
333.77	0.47	334.79	6.44	335.81	10.73	336.83	13.17
333.79	0.53	334.81	6.57	335.83	10.80	336.85	13.21
333.81	0.60	334.83	6.69	335.85	10.86	336.87	13.24
333.83	0.67	334.85	6.80	335.87	10.93	336.89	13.28
333.85	0.74	334.87	6.92	335.89	11.00	336.91	13.31
333.87	0.81	334.89	7.02	335.91	11.06	336.93	13.35
333.89	0.89	334.91	7.12	335.93	11.13	336.95	13.38
333.91	0.98	334.93	7.22	335.95	11.19	336.97	13.42
333.93	1.06	334.95	7.30	335.97	11.26	336.99	**13.46**
333.95	1.15	334.97	7.37	335.99	11.32		
333.97	1.24	334.99	7.47	336.01	11.38		
333.99	1.34	335.01	7.56	336.03	11.45		
334.01	1.43	335.03	7.66	336.05	11.51		
334.03	1.53	335.05	7.75	336.07	11.57		
334.05	1.64	335.07	7.84	336.09	11.64		
334.07	1.74	335.09	7.94	336.11	11.70		
334.09	1.85	335.11	8.03	336.13	11.76		
334.11	1.96	335.13	8.12	336.15	11.82		
334.13	2.07	335.15	8.21	336.17	11.88		
334.15	2.19	335.17	8.29	336.19	11.94		
334.17	2.30	335.19	8.38	336.21	12.00		
334.19	2.42	335.21	8.47	336.23	12.04		
334.21	2.54	335.23	8.55	336.25	12.08		
334.23	2.67	335.25	8.64	336.27	12.12		
334.25	2.79	335.27	8.72	336.29	12.16		
334.27	2.92	335.29	8.80	336.31	12.20		
334.29	3.05	335.31	8.88	336.33	12.24		
334.31	3.18	335.33	8.96	336.35	12.28		
334.33	3.31	335.35	9.04	336.37	12.32		
334.35	3.44	335.37	9.12	336.39	12.35		
334.37	3.58	335.39	9.20	336.41	12.39		
334.39	3.71	335.41	9.28	336.43	12.43		
334.41	3.85	335.43	9.36	336.45	12.47		
334.43	3.98	335.45	9.44	336.47	12.51		
334.45	4.12	335.47	9.51	336.49	12.54		
334.47	4.26	335.49	9.59	336.51	12.58		

Stage-Area-Storage for Pond CB6: Catchbasin

Elevation (feet)	Storage (cubic-feet)
333.47	**0**
333.52	0
333.57	0
333.62	0
333.67	0
333.72	0
333.77	0
333.82	0
333.87	0
333.92	0
333.97	0
334.02	0
334.07	0
334.12	0
334.17	0
334.22	0
334.27	0
334.32	0
334.37	0
334.42	0
334.47	0
334.52	0
334.57	0
334.62	0
334.67	0
334.72	0
334.77	0
334.82	0
334.87	0
334.92	0
334.97	0
335.02	0
335.07	0
335.12	0
335.17	0
335.22	0
335.27	0
335.32	0
335.37	0
335.42	0
335.47	0
335.52	0
335.57	0
335.62	0
335.67	0
335.72	0
335.77	0
335.82	0
335.87	0
335.92	0
335.97	0

Elevation (feet)	Storage (cubic-feet)
336.02	0
336.07	0
336.12	0
336.17	0
336.22	0
336.27	0
336.32	0
336.37	0
336.42	0
336.47	0
336.52	0
336.57	0
336.62	0
336.67	0
336.72	0
336.77	0
336.82	0
336.87	0
336.92	0
336.97	0

Summary for Pond CB6-1: CB1-1

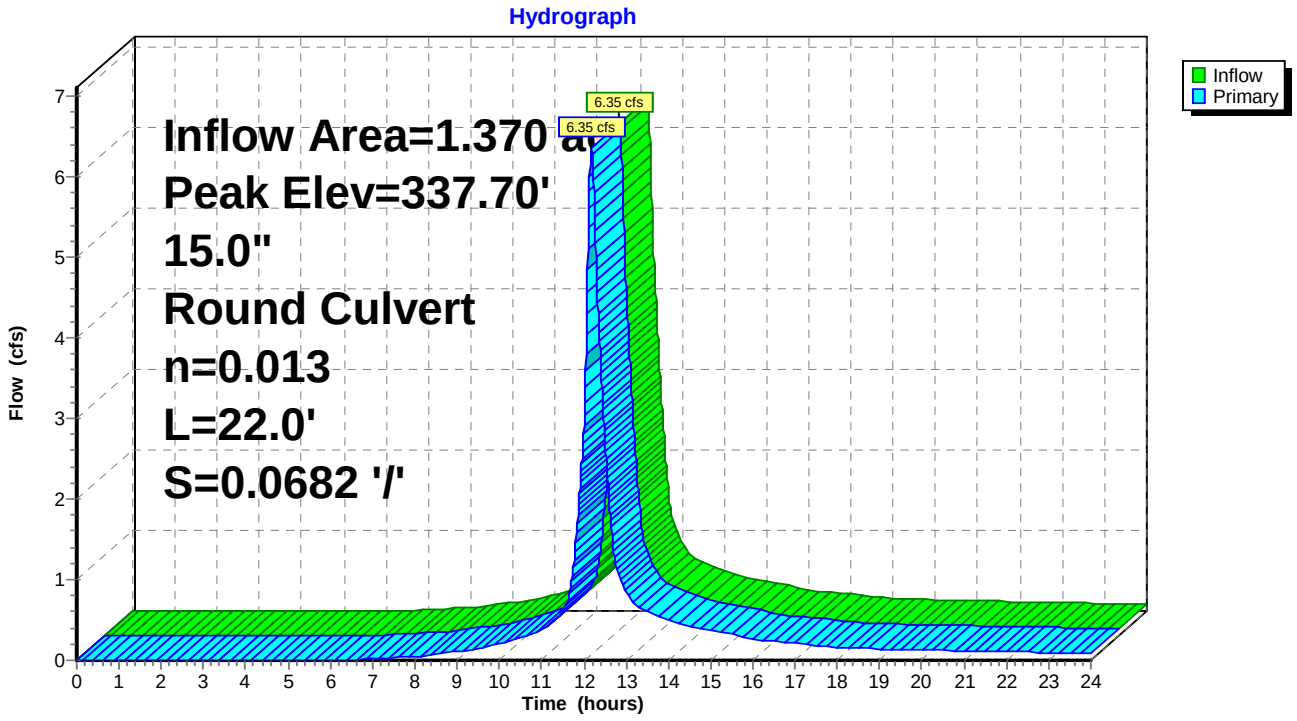
Inflow Area = 1.370 ac, 19.44% Impervious, Inflow Depth > 5.03" for 100-Year event
Inflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af
Outflow = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af, Atten= 0%, Lag= 0.0 min
Primary = 6.35 cfs @ 12.18 hrs, Volume= 0.574 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 337.70' @ 12.18 hrs
Flood Elev= 338.50'

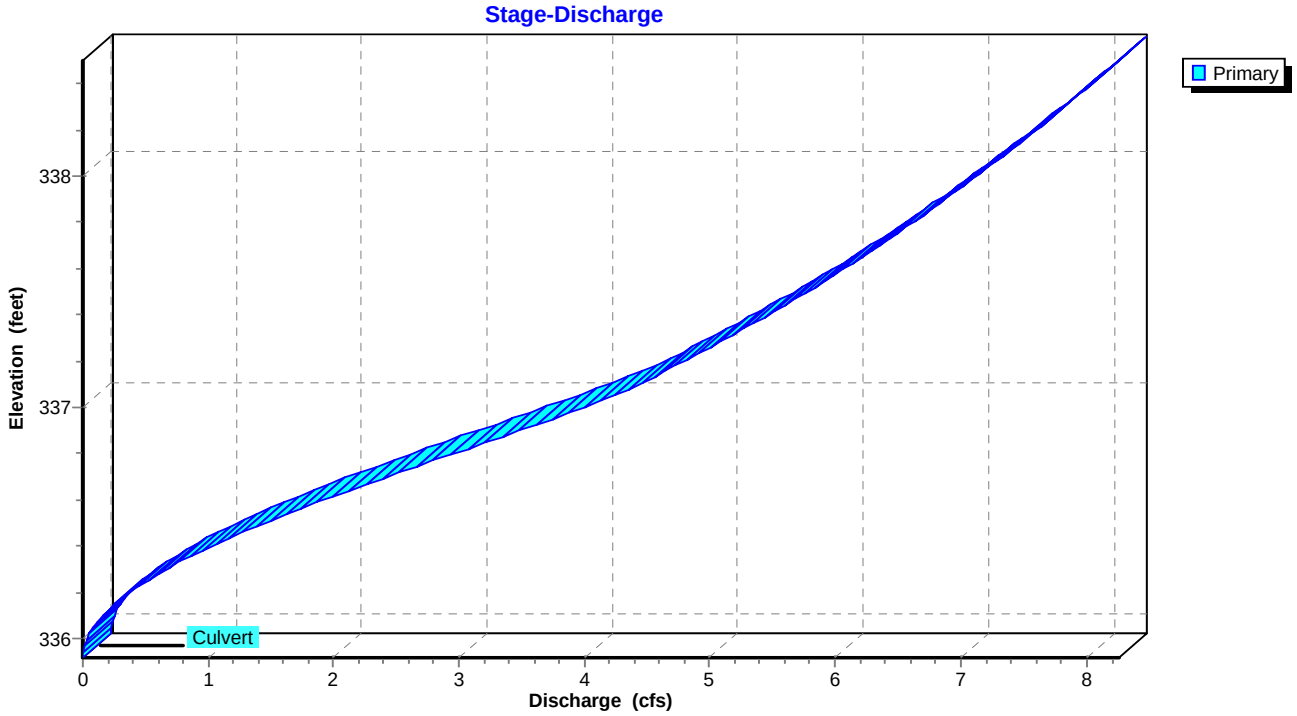
Device	Routing	Invert	Outlet Devices
#1	Primary	335.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 335.92' / 334.42' S= 0.0682 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.35 cfs @ 12.18 hrs HW=337.70' TW=334.77' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.35 cfs @ 5.17 fps)

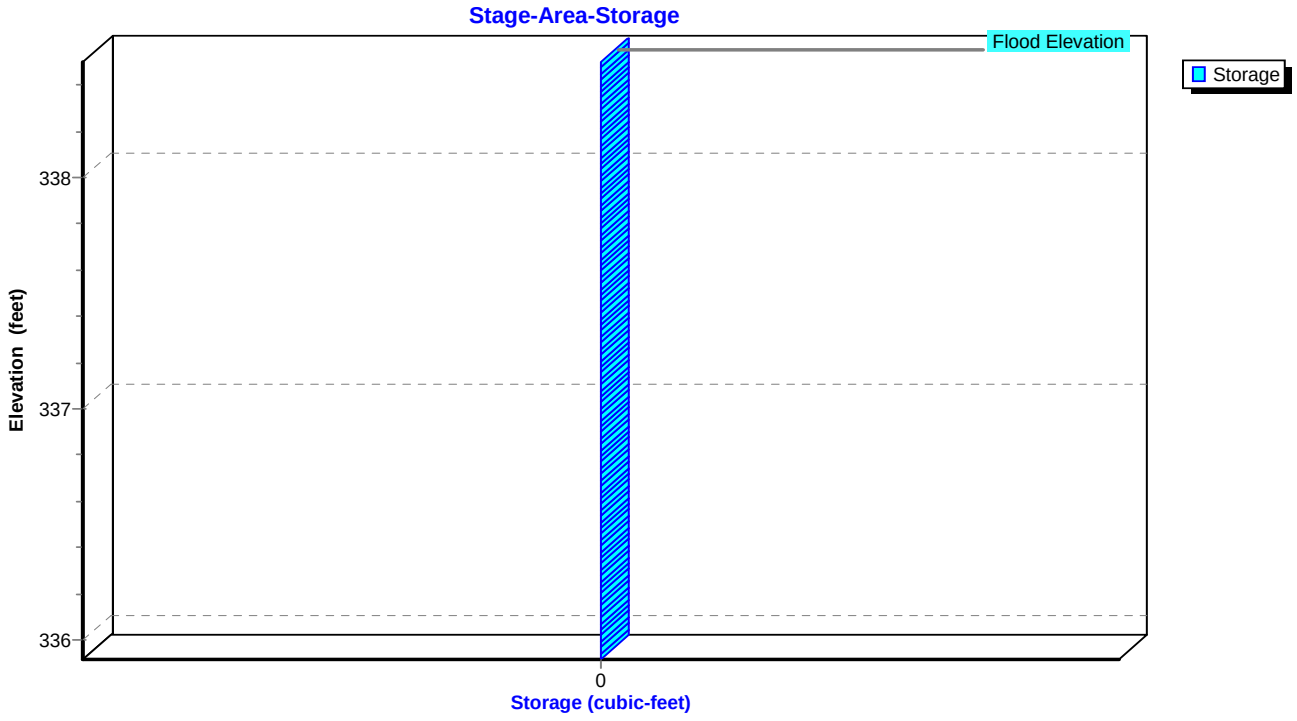
Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Pond CB6-1: CB1-1



Hydrograph for Pond CB6-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	335.92	0.00
0.50	0.00	335.92	0.00
1.00	0.00	335.92	0.00
1.50	0.00	335.92	0.00
2.00	0.00	335.92	0.00
2.50	0.00	335.92	0.00
3.00	0.00	335.92	0.00
3.50	0.00	335.92	0.00
4.00	0.00	335.92	0.00
4.50	0.00	335.92	0.00
5.00	0.00	335.92	0.00
5.50	0.00	335.92	0.00
6.00	0.00	335.92	0.00
6.50	0.01	335.95	0.01
7.00	0.02	335.98	0.02
7.50	0.03	336.00	0.03
8.00	0.05	336.02	0.05
8.50	0.07	336.04	0.07
9.00	0.11	336.07	0.11
9.50	0.15	336.10	0.15
10.00	0.20	336.12	0.20
10.50	0.27	336.16	0.27
11.00	0.38	336.20	0.38
11.50	0.62	336.29	0.62
12.00	**2.91**	**336.79**	**2.91**
12.50	**2.75**	**336.76**	**2.75**
13.00	0.85	336.35	0.85
13.50	0.61	336.28	0.61
14.00	0.50	336.25	0.50
14.50	0.42	336.22	0.42
15.00	0.37	336.20	0.37
15.50	0.32	336.18	0.32
16.00	0.27	336.16	0.27
16.50	0.23	336.14	0.23
17.00	0.21	336.13	0.21
17.50	0.18	336.12	0.18
18.00	0.16	336.10	0.16
18.50	0.15	336.09	0.15
19.00	0.14	336.09	0.14
19.50	0.13	336.09	0.13
20.00	0.13	336.08	0.13
20.50	0.12	336.08	0.12
21.00	0.12	336.07	0.12
21.50	0.11	336.07	0.11
22.00	0.10	336.07	0.10
22.50	0.10	336.06	0.10
23.00	0.09	336.06	0.09
23.50	0.09	336.05	0.09
24.00	0.08	336.05	0.08

Stage-Discharge for Pond CB6-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
335.92	0.00	336.94	3.69	337.96	7.03
335.94	0.00	336.96	3.79	337.98	7.08
335.96	0.01	336.98	3.89	338.00	7.13
335.98	0.02	337.00	3.99	338.02	7.18
336.00	0.03	337.02	4.08	338.04	7.22
336.02	0.05	337.04	4.18	338.06	7.27
336.04	0.07	337.06	4.27	338.08	7.32
336.06	0.10	337.08	4.36	338.10	7.37
336.08	0.12	337.10	4.44	338.12	7.42
336.10	0.16	337.12	4.52	338.14	7.46
336.12	0.19	337.14	4.59	338.16	7.51
336.14	0.23	337.16	4.65	338.18	7.56
336.16	0.27	337.18	4.71	338.20	7.60
336.18	0.32	337.20	4.78	338.22	7.65
336.20	0.37	337.22	4.85	338.24	7.69
336.22	0.42	337.24	4.93	338.26	7.74
336.24	0.48	337.26	5.00	338.28	7.78
336.26	0.54	337.28	5.07	338.30	7.83
336.28	0.60	337.30	5.13	338.32	7.87
336.30	0.66	337.32	5.20	338.34	7.92
336.32	0.73	337.34	5.27	338.36	7.96
336.34	0.80	337.36	5.33	338.38	8.00
336.36	0.87	337.38	5.40	338.40	8.05
336.38	0.95	337.40	5.46	338.42	8.09
336.40	1.02	337.42	5.53	338.44	8.13
336.42	1.10	337.44	5.59	338.46	8.18
336.44	1.19	337.46	5.65	338.48	8.22
336.46	1.27	337.48	5.71	338.50	**8.26**
336.48	1.36	337.50	5.77		
336.50	1.45	337.52	5.83		
336.52	1.54	337.54	5.89		
336.54	1.63	337.56	5.95		
336.56	1.72	337.58	6.01		
336.58	1.82	337.60	6.07		
336.60	1.92	337.62	6.13		
336.62	2.01	337.64	6.18		
336.64	2.11	337.66	6.24		
336.66	2.22	337.68	6.30		
336.68	2.32	337.70	6.35		
336.70	2.42	337.72	6.41		
336.72	2.53	337.74	6.46		
336.74	2.63	337.76	6.51		
336.76	2.74	337.78	6.57		
336.78	2.84	337.80	6.62		
336.80	2.95	337.82	6.67		
336.82	3.06	337.84	6.72		
336.84	3.16	337.86	6.78		
336.86	3.27	337.88	6.83		
336.88	3.37	337.90	6.88		
336.90	3.48	337.92	6.93		
336.92	3.58	337.94	6.98		

Stage-Area-Storage for Pond CB6-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
335.92	**0**	336.94	0	337.96	0
335.94	0	336.96	0	337.98	0
335.96	0	336.98	0	338.00	0
335.98	0	337.00	0	338.02	0
336.00	0	337.02	0	338.04	0
336.02	0	337.04	0	338.06	0
336.04	0	337.06	0	338.08	0
336.06	0	337.08	0	338.10	0
336.08	0	337.10	0	338.12	0
336.10	0	337.12	0	338.14	0
336.12	0	337.14	0	338.16	0
336.14	0	337.16	0	338.18	0
336.16	0	337.18	0	338.20	0
336.18	0	337.20	0	338.22	0
336.20	0	337.22	0	338.24	0
336.22	0	337.24	0	338.26	0
336.24	0	337.26	0	338.28	0
336.26	0	337.28	0	338.30	0
336.28	0	337.30	0	338.32	0
336.30	0	337.32	0	338.34	0
336.32	0	337.34	0	338.36	0
336.34	0	337.36	0	338.38	0
336.36	0	337.38	0	338.40	0
336.38	0	337.40	0	338.42	0
336.40	0	337.42	0	338.44	0
336.42	0	337.44	0	338.46	0
336.44	0	337.46	0	338.48	0
336.46	0	337.48	0	338.50	0
336.48	0	337.50	0		
336.50	0	337.52	0		
336.52	0	337.54	0		
336.54	0	337.56	0		
336.56	0	337.58	0		
336.58	0	337.60	0		
336.60	0	337.62	0		
336.62	0	337.64	0		
336.64	0	337.66	0		
336.66	0	337.68	0		
336.68	0	337.70	0		
336.70	0	337.72	0		
336.72	0	337.74	0		
336.74	0	337.76	0		
336.76	0	337.78	0		
336.78	0	337.80	0		
336.80	0	337.82	0		
336.82	0	337.84	0		
336.84	0	337.86	0		
336.86	0	337.88	0		
336.88	0	337.90	0		
336.90	0	337.92	0		
336.92	0	337.94	0		

Summary for Pond CB7: Catchbasin

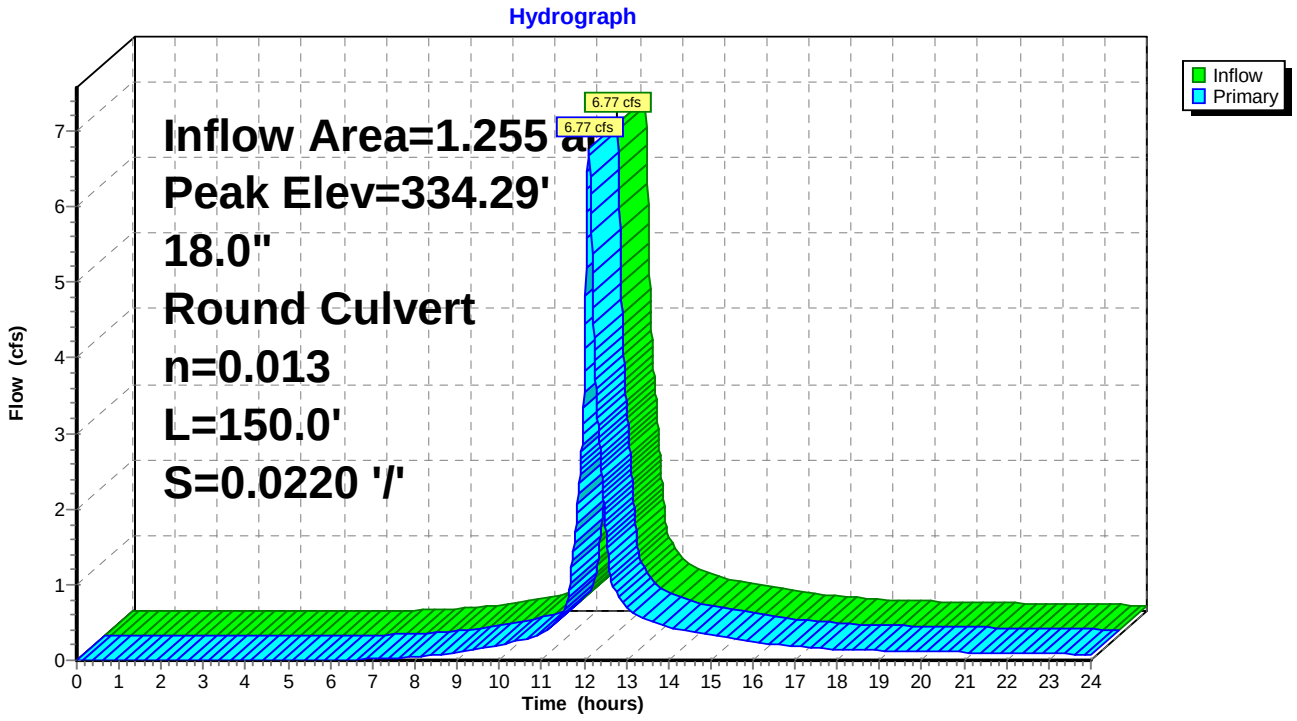
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af
Outflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af, Atten= 0%, Lag= 0.0 min
Primary = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 334.29' @ 12.12 hrs
Flood Elev= 335.75'

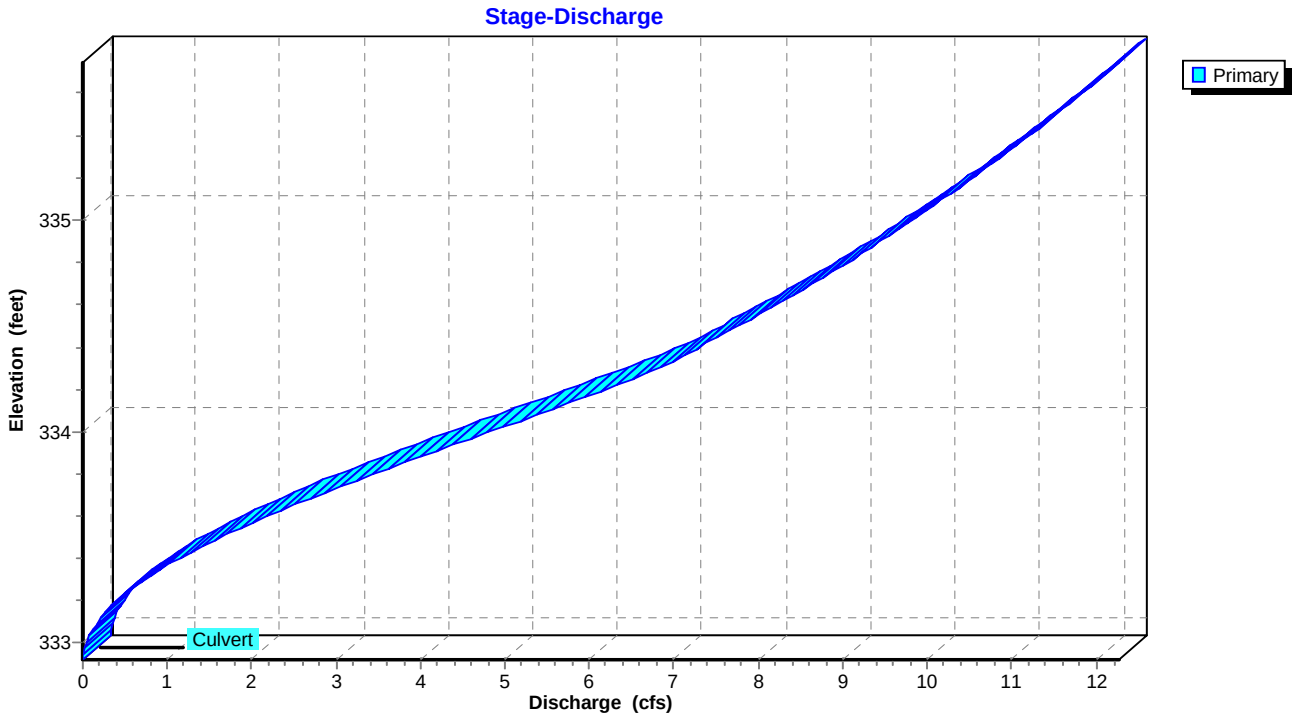
Device	Routing	Invert	Outlet Devices
#1	Primary	332.92'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 332.92' / 329.62' S= 0.0220 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=6.76 cfs @ 12.12 hrs HW=334.29' TW=331.15' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 6.76 cfs @ 3.99 fps)

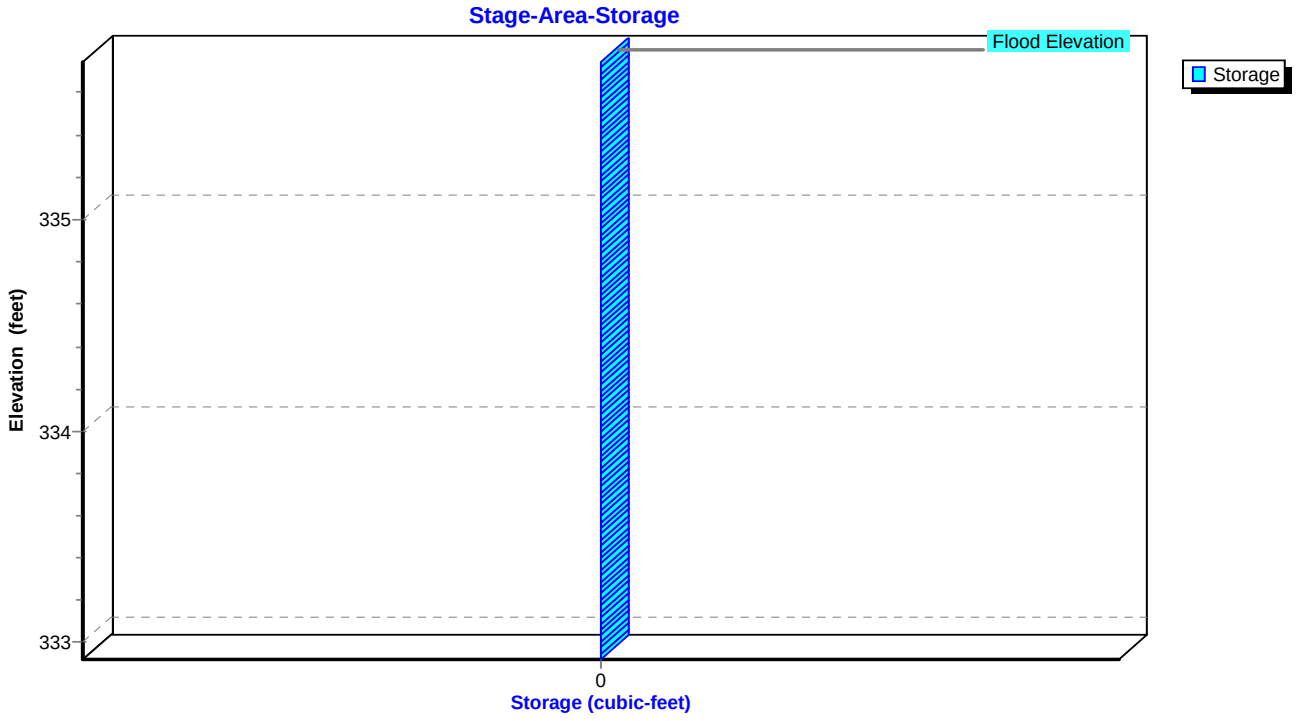
Pond CB7: Catchbasin



Pond CB7: Catchbasin



Pond CB7: Catchbasin



Hydrograph for Pond CB7: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	332.92	0.00
0.50	0.00	332.92	0.00
1.00	0.00	332.92	0.00
1.50	0.00	332.92	0.00
2.00	0.00	332.92	0.00
2.50	0.00	332.92	0.00
3.00	0.00	332.92	0.00
3.50	0.00	332.92	0.00
4.00	0.00	332.92	0.00
4.50	0.00	332.92	0.00
5.00	0.00	332.92	0.00
5.50	0.00	332.92	0.00
6.00	0.00	332.92	0.00
6.50	0.01	332.96	0.01
7.00	0.02	332.98	0.02
7.50	0.03	332.99	0.03
8.00	0.05	333.01	0.05
8.50	0.07	333.03	0.07
9.00	0.10	333.06	0.10
9.50	0.14	333.08	0.14
10.00	0.19	333.11	0.19
10.50	0.26	333.14	0.26
11.00	0.36	333.18	0.36
11.50	0.62	333.27	0.62
12.00	**3.55**	**333.82**	**3.55**
12.50	**1.91**	**333.55**	**1.91**
13.00	0.71	333.29	0.71
13.50	0.54	333.24	0.54
14.00	0.44	333.21	0.44
14.50	0.38	333.19	0.38
15.00	0.33	333.17	0.33
15.50	0.29	333.15	0.29
16.00	0.24	333.13	0.24
16.50	0.21	333.12	0.21
17.00	0.19	333.11	0.19
17.50	0.17	333.10	0.17
18.00	0.14	333.08	0.14
18.50	0.13	333.08	0.13
19.00	0.13	333.07	0.13
19.50	0.12	333.07	0.12
20.00	0.12	333.07	0.12
20.50	0.11	333.06	0.11
21.00	0.10	333.06	0.10
21.50	0.10	333.06	0.10
22.00	0.10	333.05	0.10
22.50	0.09	333.05	0.09
23.00	0.09	333.05	0.09
23.50	0.08	333.04	0.08
24.00	0.08	333.04	0.08

Stage-Discharge for Pond CB7: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
332.92	0.00	333.94	4.40	334.96	9.66
332.94	0.00	333.96	4.54	334.98	9.74
332.96	0.01	333.98	4.68	335.00	9.81
332.98	0.02	334.00	4.82	335.02	9.89
333.00	0.04	334.02	4.96	335.04	9.96
333.02	0.05	334.04	5.10	335.06	10.03
333.04	0.08	334.06	5.24	335.08	10.10
333.06	0.11	334.08	5.38	335.10	10.18
333.08	0.14	334.10	5.52	335.12	10.25
333.10	0.17	334.12	5.65	335.14	10.32
333.12	0.21	334.14	5.79	335.16	10.39
333.14	0.26	334.16	5.92	335.18	10.46
333.16	0.30	334.18	6.06	335.20	10.52
333.18	0.36	334.20	6.19	335.22	10.59
333.20	0.41	334.22	6.32	335.24	10.66
333.22	0.47	334.24	6.44	335.26	10.73
333.24	0.53	334.26	6.57	335.28	10.80
333.26	0.60	334.28	6.69	335.30	10.86
333.28	0.67	334.30	6.80	335.32	10.93
333.30	0.74	334.32	6.92	335.34	11.00
333.32	0.81	334.34	7.02	335.36	11.06
333.34	0.89	334.36	7.12	335.38	11.13
333.36	0.98	334.38	7.22	335.40	11.19
333.38	1.06	334.40	7.30	335.42	11.26
333.40	1.15	334.42	7.37	335.44	11.32
333.42	1.24	334.44	7.47	335.46	11.38
333.44	1.34	334.46	7.56	335.48	11.45
333.46	1.43	334.48	7.66	335.50	11.51
333.48	1.53	334.50	7.75	335.52	11.57
333.50	1.64	334.52	7.84	335.54	11.64
333.52	1.74	334.54	7.94	335.56	11.70
333.54	1.85	334.56	8.03	335.58	11.76
333.56	1.96	334.58	8.12	335.60	11.82
333.58	2.07	334.60	8.21	335.62	11.88
333.60	2.19	334.62	8.29	335.64	11.94
333.62	2.30	334.64	8.38	335.66	12.00
333.64	2.42	334.66	8.47	335.68	12.06
333.66	2.54	334.68	8.55	335.70	12.12
333.68	2.67	334.70	8.64	335.72	12.18
333.70	2.79	334.72	8.72	335.74	**12.24**
333.72	2.92	334.74	8.80		
333.74	3.05	334.76	8.88		
333.76	3.18	334.78	8.96		
333.78	3.31	334.80	9.04		
333.80	3.44	334.82	9.12		
333.82	3.58	334.84	9.20		
333.84	3.71	334.86	9.28		
333.86	3.85	334.88	9.36		
333.88	3.98	334.90	9.44		
333.90	4.12	334.92	9.51		
333.92	4.26	334.94	9.59		

Stage-Area-Storage for Pond CB7: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
332.92	**0**	333.94	0	334.96	0
332.94	0	333.96	0	334.98	0
332.96	0	333.98	0	335.00	0
332.98	0	334.00	0	335.02	0
333.00	0	334.02	0	335.04	0
333.02	0	334.04	0	335.06	0
333.04	0	334.06	0	335.08	0
333.06	0	334.08	0	335.10	0
333.08	0	334.10	0	335.12	0
333.10	0	334.12	0	335.14	0
333.12	0	334.14	0	335.16	0
333.14	0	334.16	0	335.18	0
333.16	0	334.18	0	335.20	0
333.18	0	334.20	0	335.22	0
333.20	0	334.22	0	335.24	0
333.22	0	334.24	0	335.26	0
333.24	0	334.26	0	335.28	0
333.26	0	334.28	0	335.30	0
333.28	0	334.30	0	335.32	0
333.30	0	334.32	0	335.34	0
333.32	0	334.34	0	335.36	0
333.34	0	334.36	0	335.38	0
333.36	0	334.38	0	335.40	0
333.38	0	334.40	0	335.42	0
333.40	0	334.42	0	335.44	0
333.42	0	334.44	0	335.46	0
333.44	0	334.46	0	335.48	0
333.46	0	334.48	0	335.50	0
333.48	0	334.50	0	335.52	0
333.50	0	334.52	0	335.54	0
333.52	0	334.54	0	335.56	0
333.54	0	334.56	0	335.58	0
333.56	0	334.58	0	335.60	0
333.58	0	334.60	0	335.62	0
333.60	0	334.62	0	335.64	0
333.62	0	334.64	0	335.66	0
333.64	0	334.66	0	335.68	0
333.66	0	334.68	0	335.70	0
333.68	0	334.70	0	335.72	0
333.70	0	334.72	0	335.74	0
333.72	0	334.74	0		
333.74	0	334.76	0		
333.76	0	334.78	0		
333.78	0	334.80	0		
333.80	0	334.82	0		
333.82	0	334.84	0		
333.84	0	334.86	0		
333.86	0	334.88	0		
333.88	0	334.90	0		
333.90	0	334.92	0		
333.92	0	334.94	0		

Summary for Pond CB7-1: CB1-1

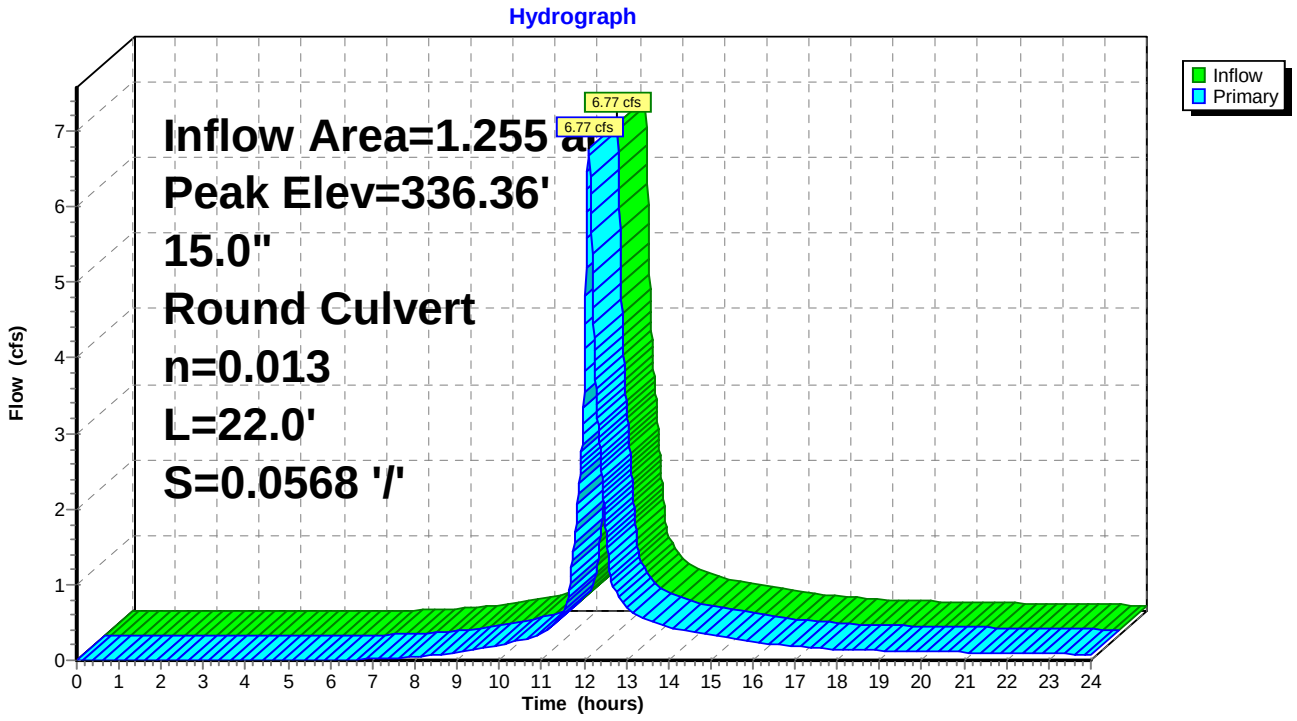
Inflow Area = 1.255 ac, 20.28% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af
Outflow = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af, Atten= 0%, Lag= 0.0 min
Primary = 6.77 cfs @ 12.12 hrs, Volume= 0.527 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 336.36' @ 12.12 hrs
Flood Elev= 337.00'

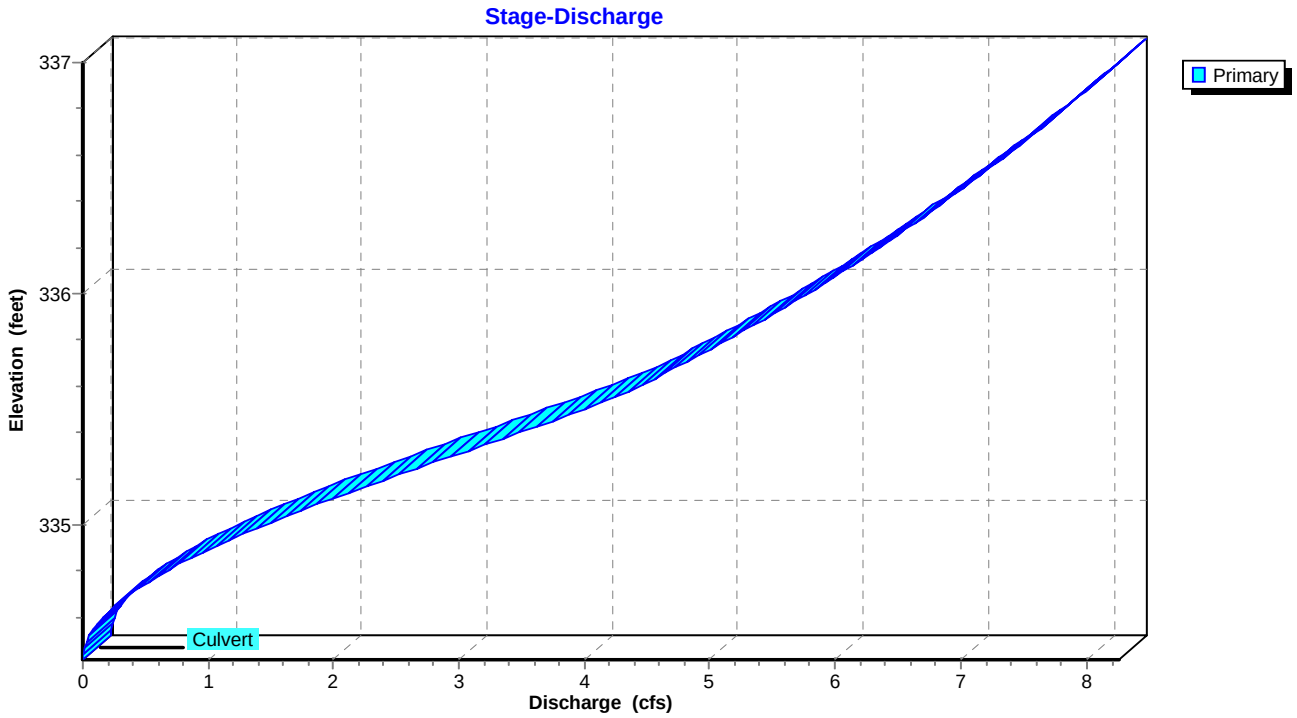
Device	Routing	Invert	Outlet Devices
#1	Primary	334.42'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 334.42' / 333.17' S= 0.0568 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=6.76 cfs @ 12.12 hrs HW=336.35' TW=334.29' (Dynamic Tailwater)
1=Culvert (Inlet Controls 6.76 cfs @ 5.51 fps)

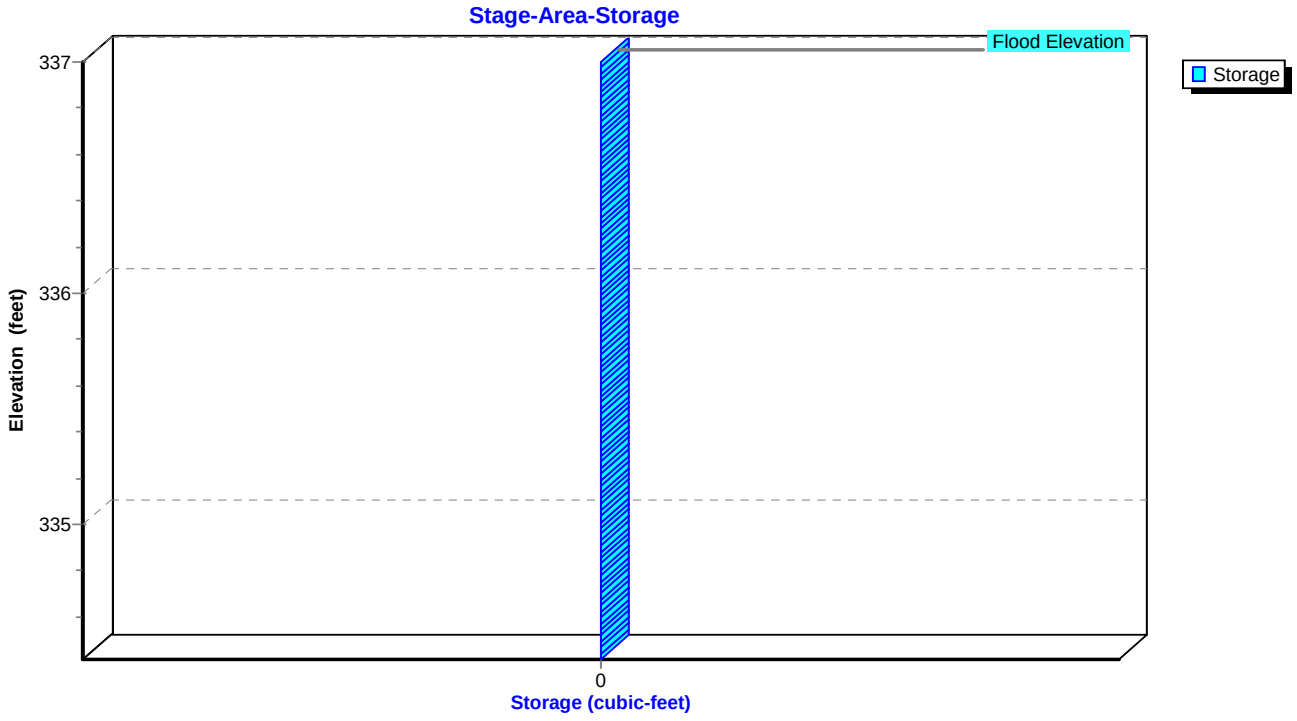
Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Pond CB7-1: CB1-1



Hydrograph for Pond CB7-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	334.42	0.00
0.50	0.00	334.42	0.00
1.00	0.00	334.42	0.00
1.50	0.00	334.42	0.00
2.00	0.00	334.42	0.00
2.50	0.00	334.42	0.00
3.00	0.00	334.42	0.00
3.50	0.00	334.42	0.00
4.00	0.00	334.42	0.00
4.50	0.00	334.42	0.00
5.00	0.00	334.42	0.00
5.50	0.00	334.42	0.00
6.00	0.00	334.42	0.00
6.50	0.01	334.46	0.01
7.00	0.02	334.48	0.02
7.50	0.03	334.50	0.03
8.00	0.05	334.52	0.05
8.50	0.07	334.54	0.07
9.00	0.10	334.57	0.10
9.50	0.14	334.59	0.14
10.00	0.19	334.62	0.19
10.50	0.26	334.66	0.26
11.00	0.36	334.70	0.36
11.50	0.62	334.79	0.62
12.00	**3.55**	**335.41**	**3.55**
12.50	**1.91**	**335.10**	**1.91**
13.00	0.71	334.81	0.71
13.50	0.54	334.76	0.54
14.00	0.44	334.73	0.44
14.50	0.38	334.70	0.38
15.00	0.33	334.69	0.33
15.50	0.29	334.66	0.29
16.00	0.24	334.64	0.24
16.50	0.21	334.63	0.21
17.00	0.19	334.62	0.19
17.50	0.17	334.61	0.17
18.00	0.14	334.59	0.14
18.50	0.13	334.59	0.13
19.00	0.13	334.58	0.13
19.50	0.12	334.58	0.12
20.00	0.12	334.57	0.12
20.50	0.11	334.57	0.11
21.00	0.10	334.57	0.10
21.50	0.10	334.56	0.10
22.00	0.10	334.56	0.10
22.50	0.09	334.56	0.09
23.00	0.09	334.55	0.09
23.50	0.08	334.55	0.08
24.00	0.08	334.54	0.08

Stage-Discharge for Pond CB7-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
334.42	0.00	335.44	3.69	336.46	7.03
334.44	0.00	335.46	3.79	336.48	7.08
334.46	0.01	335.48	3.89	336.50	7.13
334.48	0.02	335.50	3.99	336.52	7.18
334.50	0.03	335.52	4.08	336.54	7.22
334.52	0.05	335.54	4.18	336.56	7.27
334.54	0.07	335.56	4.27	336.58	7.32
334.56	0.10	335.58	4.36	336.60	7.37
334.58	0.12	335.60	4.44	336.62	7.42
334.60	0.16	335.62	4.52	336.64	7.46
334.62	0.19	335.64	4.59	336.66	7.51
334.64	0.23	335.66	4.65	336.68	7.56
334.66	0.27	335.68	4.71	336.70	7.60
334.68	0.32	335.70	4.78	336.72	7.65
334.70	0.37	335.72	4.85	336.74	7.69
334.72	0.42	335.74	4.93	336.76	7.74
334.74	0.48	335.76	5.00	336.78	7.78
334.76	0.54	335.78	5.07	336.80	7.83
334.78	0.60	335.80	5.13	336.82	7.87
334.80	0.66	335.82	5.20	336.84	7.92
334.82	0.73	335.84	5.27	336.86	7.96
334.84	0.80	335.86	5.33	336.88	8.00
334.86	0.87	335.88	5.40	336.90	8.05
334.88	0.95	335.90	5.46	336.92	8.09
334.90	1.02	335.92	5.53	336.94	8.13
334.92	1.10	335.94	5.59	336.96	8.18
334.94	1.19	335.96	5.65	336.98	8.22
334.96	1.27	335.98	5.71	337.00	**8.26**
334.98	1.36	336.00	5.77		
335.00	1.45	336.02	5.83		
335.02	1.54	336.04	5.89		
335.04	1.63	336.06	5.95		
335.06	1.72	336.08	6.01		
335.08	1.82	336.10	6.07		
335.10	1.92	336.12	6.13		
335.12	2.01	336.14	6.18		
335.14	2.11	336.16	6.24		
335.16	2.22	336.18	6.30		
335.18	2.32	336.20	6.35		
335.20	2.42	336.22	6.41		
335.22	2.53	336.24	6.46		
335.24	2.63	336.26	6.51		
335.26	2.74	336.28	6.57		
335.28	2.84	336.30	6.62		
335.30	2.95	336.32	6.67		
335.32	3.06	336.34	6.72		
335.34	3.16	336.36	6.78		
335.36	3.27	336.38	6.83		
335.38	3.37	336.40	6.88		
335.40	3.48	336.42	6.93		
335.42	3.58	336.44	6.98		

Stage-Area-Storage for Pond CB7-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
334.42	**0**	335.44	0	336.46	0
334.44	0	335.46	0	336.48	0
334.46	0	335.48	0	336.50	0
334.48	0	335.50	0	336.52	0
334.50	0	335.52	0	336.54	0
334.52	0	335.54	0	336.56	0
334.54	0	335.56	0	336.58	0
334.56	0	335.58	0	336.60	0
334.58	0	335.60	0	336.62	0
334.60	0	335.62	0	336.64	0
334.62	0	335.64	0	336.66	0
334.64	0	335.66	0	336.68	0
334.66	0	335.68	0	336.70	0
334.68	0	335.70	0	336.72	0
334.70	0	335.72	0	336.74	0
334.72	0	335.74	0	336.76	0
334.74	0	335.76	0	336.78	0
334.76	0	335.78	0	336.80	0
334.78	0	335.80	0	336.82	0
334.80	0	335.82	0	336.84	0
334.82	0	335.84	0	336.86	0
334.84	0	335.86	0	336.88	0
334.86	0	335.88	0	336.90	0
334.88	0	335.90	0	336.92	0
334.90	0	335.92	0	336.94	0
334.92	0	335.94	0	336.96	0
334.94	0	335.96	0	336.98	0
334.96	0	335.98	0	337.00	0
334.98	0	336.00	0		
335.00	0	336.02	0		
335.02	0	336.04	0		
335.04	0	336.06	0		
335.06	0	336.08	0		
335.08	0	336.10	0		
335.10	0	336.12	0		
335.12	0	336.14	0		
335.14	0	336.16	0		
335.16	0	336.18	0		
335.18	0	336.20	0		
335.20	0	336.22	0		
335.22	0	336.24	0		
335.24	0	336.26	0		
335.26	0	336.28	0		
335.28	0	336.30	0		
335.30	0	336.32	0		
335.32	0	336.34	0		
335.34	0	336.36	0		
335.36	0	336.38	0		
335.38	0	336.40	0		
335.40	0	336.42	0		
335.42	0	336.44	0		

Summary for Pond CB8: Catchbasin

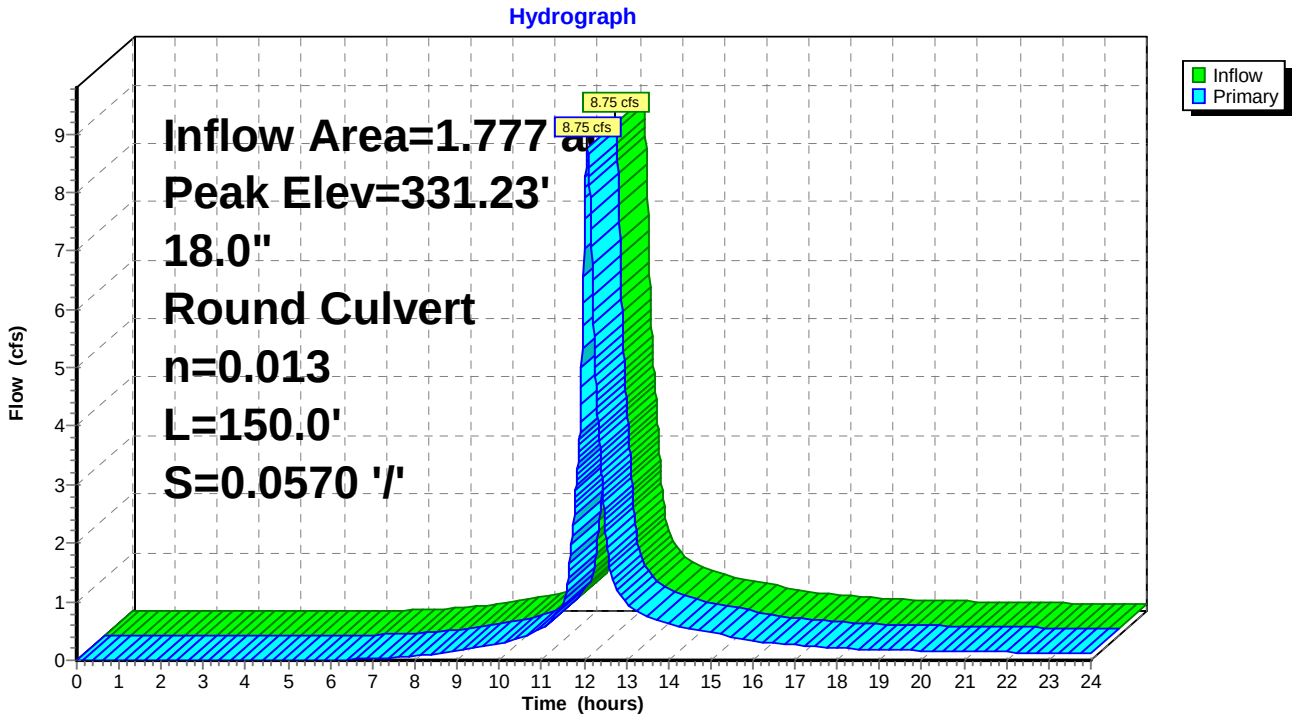
Inflow Area = 1.777 ac, 23.17% Impervious, Inflow Depth > 5.11" for 100-Year event
Inflow = 8.75 cfs @ 12.09 hrs, Volume= 0.756 af
Outflow = 8.75 cfs @ 12.09 hrs, Volume= 0.756 af, Atten= 0%, Lag= 0.0 min
Primary = 8.75 cfs @ 12.09 hrs, Volume= 0.756 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.23' @ 12.09 hrs
Flood Elev= 332.25'

Device	Routing	Invert	Outlet Devices
#1	Primary	329.42'	**18.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 329.42' / 320.87' S= 0.0570 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

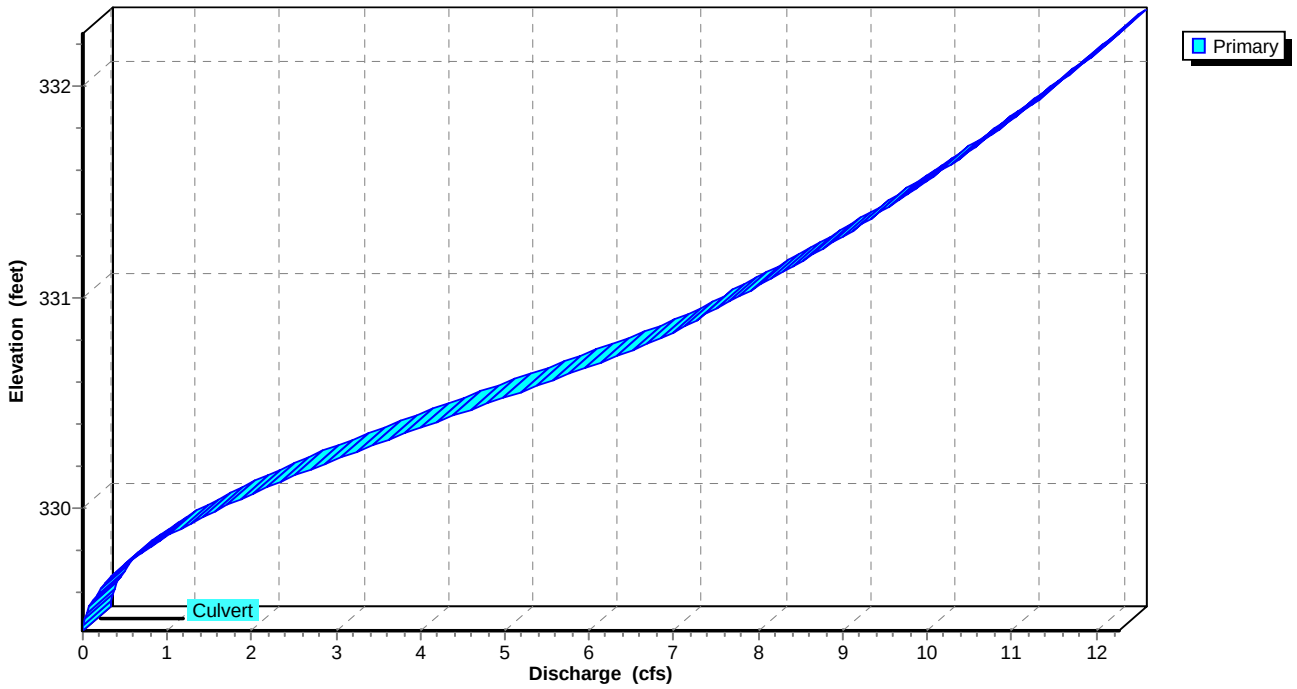
Primary OutFlow Max=8.74 cfs @ 12.09 hrs HW=331.22' TW=322.52' (Dynamic Tailwater)
1=Culvert (Inlet Controls 8.74 cfs @ 4.94 fps)

Pond CB8: Catchbasin



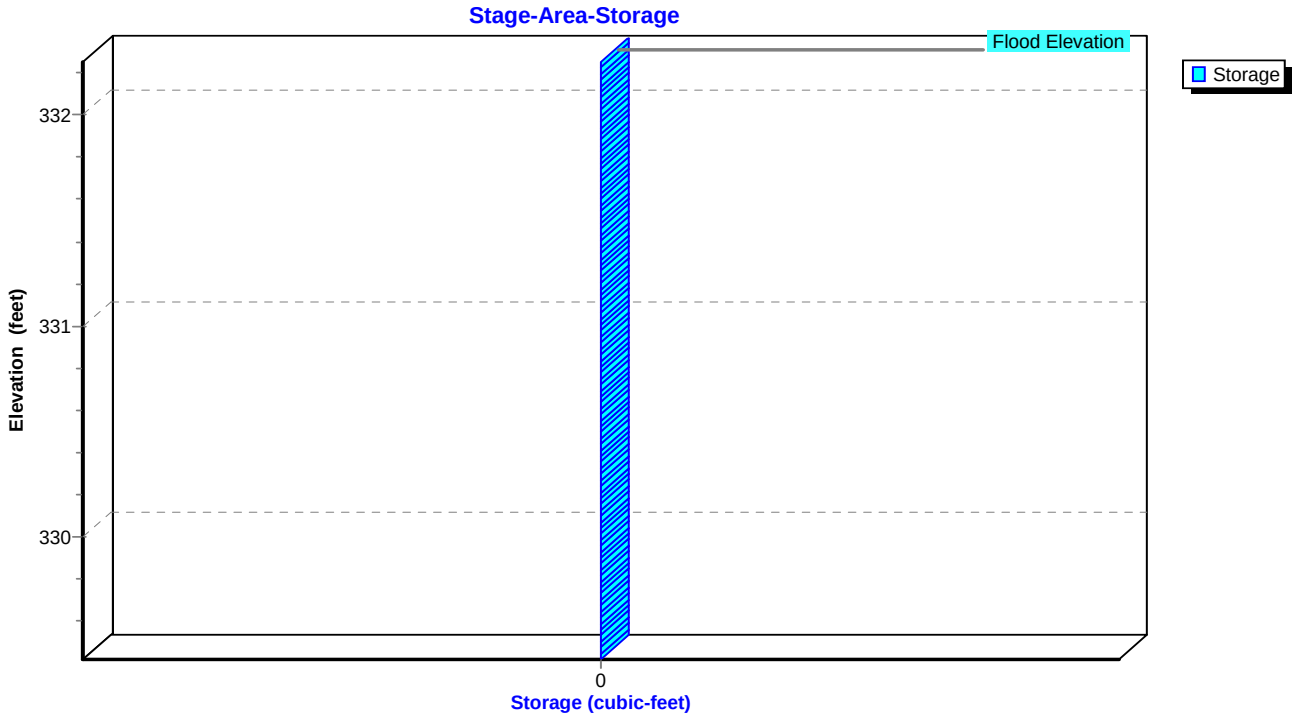
Pond CB8: Catchbasin

Stage-Discharge



Pond CB8: Catchbasin

Stage-Area-Storage



Hydrograph for Pond CB8: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	329.42	0.00
0.50	0.00	329.42	0.00
1.00	0.00	329.42	0.00
1.50	0.00	329.42	0.00
2.00	0.00	329.42	0.00
2.50	0.00	329.42	0.00
3.00	0.00	329.42	0.00
3.50	0.00	329.42	0.00
4.00	0.00	329.42	0.00
4.50	0.00	329.42	0.00
5.00	0.00	329.42	0.00
5.50	0.00	329.43	0.00
6.00	0.00	329.45	0.00
6.50	0.01	329.47	0.01
7.00	0.03	329.49	0.03
7.50	0.05	329.52	0.05
8.00	0.07	329.54	0.07
8.50	0.11	329.56	0.11
9.00	0.16	329.59	0.16
9.50	0.22	329.62	0.22
10.00	0.29	329.65	0.29
10.50	0.40	329.69	0.40
11.00	0.53	329.74	0.53
11.50	0.93	329.85	0.93
12.00	**7.05**	**330.85**	**7.05**
12.50	**2.38**	**330.13**	**2.38**
13.00	0.98	329.86	0.98
13.50	0.76	329.81	0.76
14.00	0.62	329.77	0.62
14.50	0.54	329.74	0.54
15.00	0.47	329.72	0.47
15.50	0.40	329.70	0.40
16.00	0.33	329.67	0.33
16.50	0.29	329.66	0.29
17.00	0.26	329.64	0.26
17.50	0.23	329.63	0.23
18.00	0.20	329.62	0.20
18.50	0.19	329.61	0.19
19.00	0.18	329.60	0.18
19.50	0.17	329.60	0.17
20.00	0.16	329.59	0.16
20.50	0.16	329.59	0.16
21.00	0.15	329.59	0.15
21.50	0.14	329.58	0.14
22.00	0.14	329.58	0.14
22.50	0.13	329.57	0.13
23.00	0.12	329.57	0.12
23.50	0.11	329.57	0.11
24.00	0.11	329.56	0.11

Stage-Discharge for Pond CB8: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
329.42	0.00	330.44	4.40	331.46	9.66
329.44	0.00	330.46	4.54	331.48	9.74
329.46	0.01	330.48	4.68	331.50	9.81
329.48	0.02	330.50	4.82	331.52	9.89
329.50	0.04	330.52	4.96	331.54	9.96
329.52	0.05	330.54	5.10	331.56	10.03
329.54	0.08	330.56	5.24	331.58	10.10
329.56	0.11	330.58	5.38	331.60	10.18
329.58	0.14	330.60	5.52	331.62	10.25
329.60	0.17	330.62	5.65	331.64	10.32
329.62	0.21	330.64	5.79	331.66	10.39
329.64	0.26	330.66	5.92	331.68	10.46
329.66	0.30	330.68	6.06	331.70	10.52
329.68	0.36	330.70	6.19	331.72	10.59
329.70	0.41	330.72	6.32	331.74	10.66
329.72	0.47	330.74	6.44	331.76	10.73
329.74	0.53	330.76	6.57	331.78	10.80
329.76	0.60	330.78	6.69	331.80	10.86
329.78	0.67	330.80	6.80	331.82	10.93
329.80	0.74	330.82	6.92	331.84	11.00
329.82	0.81	330.84	7.02	331.86	11.06
329.84	0.89	330.86	7.12	331.88	11.13
329.86	0.98	330.88	7.22	331.90	11.19
329.88	1.06	330.90	7.30	331.92	11.26
329.90	1.15	330.92	7.37	331.94	11.32
329.92	1.24	330.94	7.47	331.96	11.38
329.94	1.34	330.96	7.56	331.98	11.45
329.96	1.43	330.98	7.66	332.00	11.51
329.98	1.53	331.00	7.75	332.02	11.57
330.00	1.64	331.02	7.84	332.04	11.64
330.02	1.74	331.04	7.94	332.06	11.70
330.04	1.85	331.06	8.03	332.08	11.76
330.06	1.96	331.08	8.12	332.10	11.82
330.08	2.07	331.10	8.21	332.12	11.88
330.10	2.19	331.12	8.29	332.14	11.94
330.12	2.30	331.14	8.38	332.16	12.00
330.14	2.42	331.16	8.47	332.18	12.06
330.16	2.54	331.18	8.55	332.20	12.12
330.18	2.67	331.20	8.64	332.22	12.18
330.20	2.79	331.22	8.72	332.24	**12.24**
330.22	2.92	331.24	8.80		
330.24	3.05	331.26	8.88		
330.26	3.18	331.28	8.96		
330.28	3.31	331.30	9.04		
330.30	3.44	331.32	9.12		
330.32	3.58	331.34	9.20		
330.34	3.71	331.36	9.28		
330.36	3.85	331.38	9.36		
330.38	3.98	331.40	9.44		
330.40	4.12	331.42	9.51		
330.42	4.26	331.44	9.59		

Stage-Area-Storage for Pond CB8: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
329.42	**0**	330.44	0	331.46	0
329.44	0	330.46	0	331.48	0
329.46	0	330.48	0	331.50	0
329.48	0	330.50	0	331.52	0
329.50	0	330.52	0	331.54	0
329.52	0	330.54	0	331.56	0
329.54	0	330.56	0	331.58	0
329.56	0	330.58	0	331.60	0
329.58	0	330.60	0	331.62	0
329.60	0	330.62	0	331.64	0
329.62	0	330.64	0	331.66	0
329.64	0	330.66	0	331.68	0
329.66	0	330.68	0	331.70	0
329.68	0	330.70	0	331.72	0
329.70	0	330.72	0	331.74	0
329.72	0	330.74	0	331.76	0
329.74	0	330.76	0	331.78	0
329.76	0	330.78	0	331.80	0
329.78	0	330.80	0	331.82	0
329.80	0	330.82	0	331.84	0
329.82	0	330.84	0	331.86	0
329.84	0	330.86	0	331.88	0
329.86	0	330.88	0	331.90	0
329.88	0	330.90	0	331.92	0
329.90	0	330.92	0	331.94	0
329.92	0	330.94	0	331.96	0
329.94	0	330.96	0	331.98	0
329.96	0	330.98	0	332.00	0
329.98	0	331.00	0	332.02	0
330.00	0	331.02	0	332.04	0
330.02	0	331.04	0	332.06	0
330.04	0	331.06	0	332.08	0
330.06	0	331.08	0	332.10	0
330.08	0	331.10	0	332.12	0
330.10	0	331.12	0	332.14	0
330.12	0	331.14	0	332.16	0
330.14	0	331.16	0	332.18	0
330.16	0	331.18	0	332.20	0
330.18	0	331.20	0	332.22	0
330.20	0	331.22	0	332.24	0
330.22	0	331.24	0		
330.24	0	331.26	0		
330.26	0	331.28	0		
330.28	0	331.30	0		
330.30	0	331.32	0		
330.32	0	331.34	0		
330.34	0	331.36	0		
330.36	0	331.38	0		
330.38	0	331.40	0		
330.40	0	331.42	0		
330.42	0	331.44	0		

Summary for Pond CB8-1: CB1-1

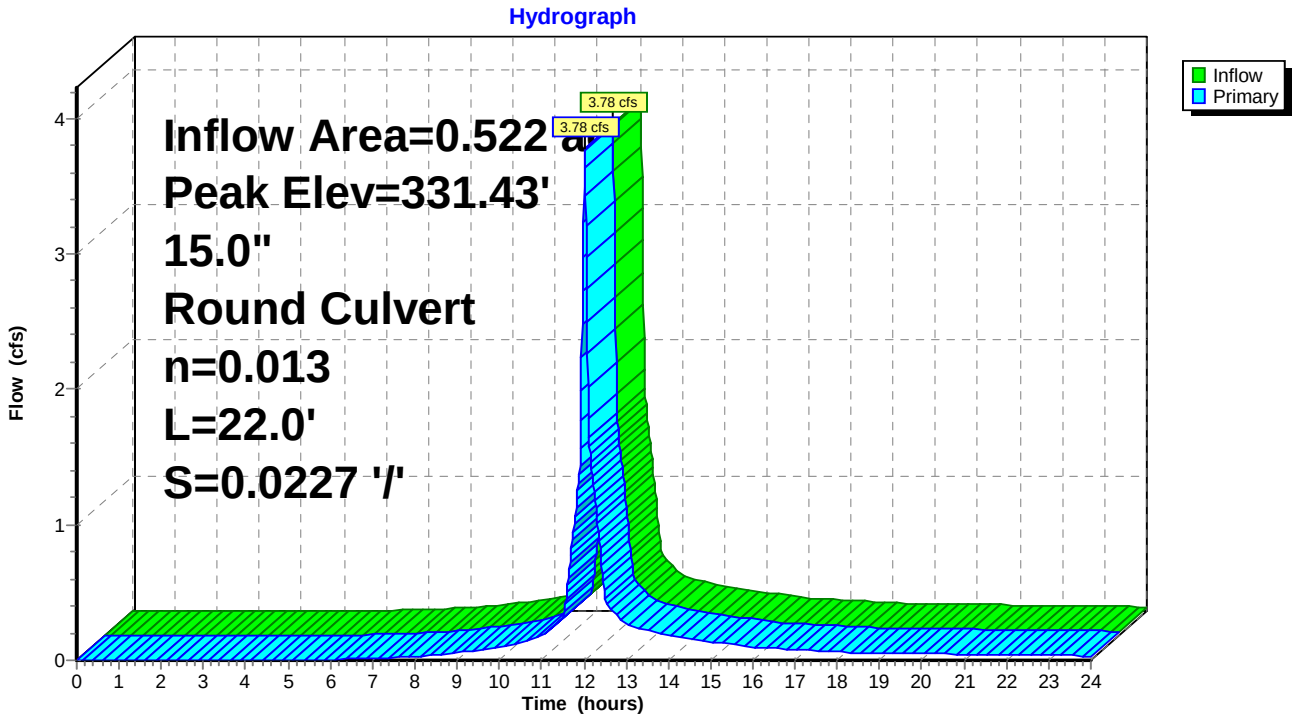
Inflow Area = 0.522 ac, 30.12% Impervious, Inflow Depth > 5.27" for 100-Year event
Inflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af
Outflow = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af, Atten= 0%, Lag= 0.0 min
Primary = 3.78 cfs @ 12.02 hrs, Volume= 0.229 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 331.43' @ 12.04 hrs
Flood Elev= 332.80'

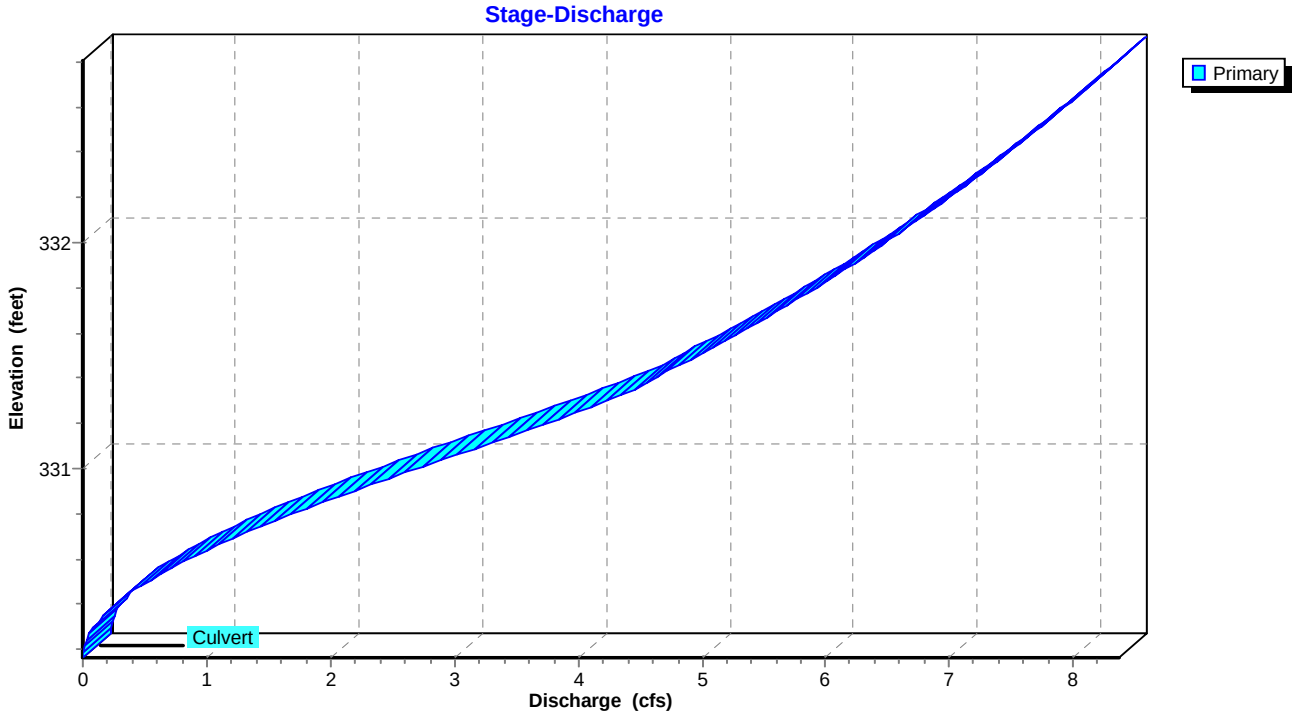
Device	Routing	Invert	Outlet Devices
#1	Primary	330.17'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 330.17' / 329.67' S= 0.0227 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.40 cfs @ 12.02 hrs HW=331.38' TW=331.01' (Dynamic Tailwater)
└**1=Culvert** (Outlet Controls 3.40 cfs @ 3.55 fps)

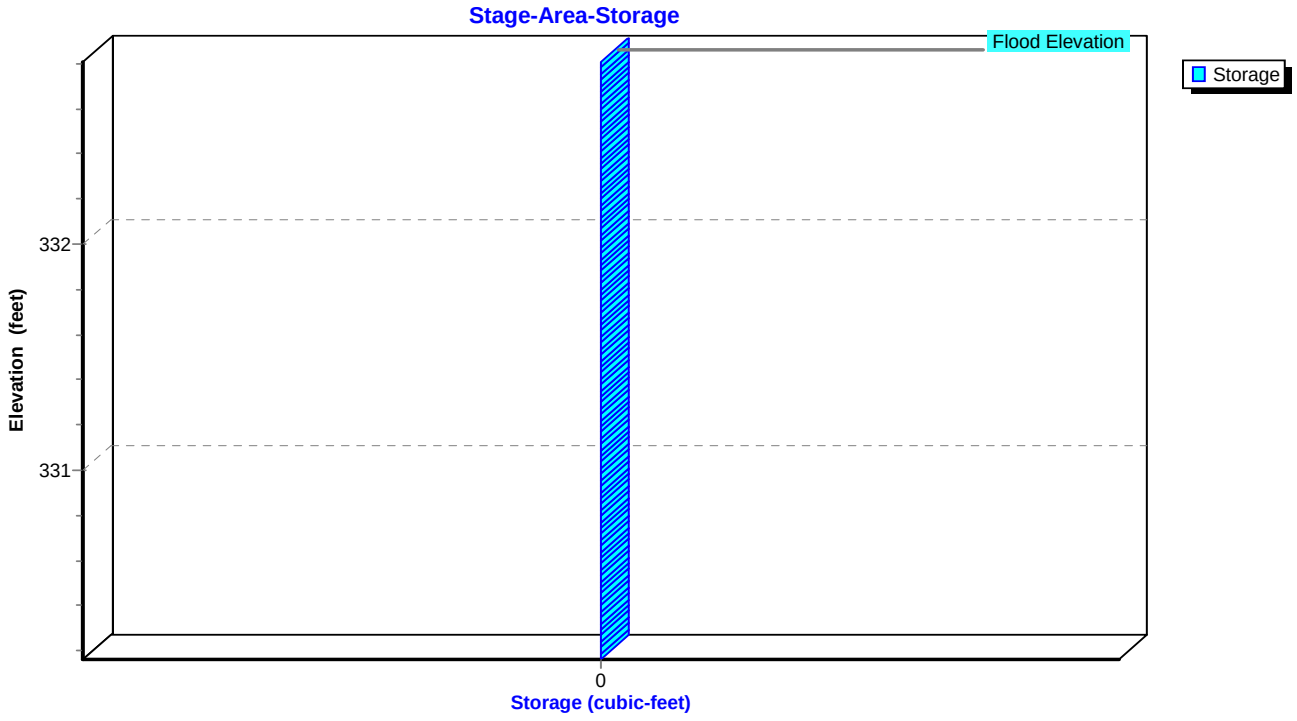
Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Pond CB8-1: CB1-1



Hydrograph for Pond CB8-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	330.17	0.00
0.50	0.00	330.17	0.00
1.00	0.00	330.17	0.00
1.50	0.00	330.17	0.00
2.00	0.00	330.17	0.00
2.50	0.00	330.17	0.00
3.00	0.00	330.17	0.00
3.50	0.00	330.17	0.00
4.00	0.00	330.17	0.00
4.50	0.00	330.17	0.00
5.00	0.00	330.17	0.00
5.50	0.00	330.18	0.00
6.00	0.00	330.20	0.00
6.50	0.01	330.21	0.01
7.00	0.01	330.22	0.01
7.50	0.02	330.23	0.02
8.00	0.03	330.24	0.03
8.50	0.04	330.26	0.04
9.00	0.06	330.28	0.06
9.50	0.07	330.29	0.07
10.00	0.09	330.31	0.09
10.50	0.13	330.33	0.13
11.00	0.17	330.36	0.17
11.50	0.31	330.43	0.31
12.00	**3.49**	**331.26**	**3.49**
12.50	**0.47**	**330.50**	**0.47**
13.00	0.27	330.41	0.27
13.50	0.22	330.38	0.22
14.00	0.18	330.36	0.18
14.50	0.16	330.35	0.16
15.00	0.14	330.34	0.14
15.50	0.12	330.32	0.12
16.00	0.10	330.31	0.10
16.50	0.09	330.30	0.09
17.00	0.08	330.30	0.08
17.50	0.07	330.29	0.07
18.00	0.06	330.28	0.06
18.50	0.06	330.28	0.06
19.00	0.05	330.27	0.05
19.50	0.05	330.27	0.05
20.00	0.05	330.27	0.05
20.50	0.05	330.27	0.05
21.00	0.04	330.26	0.04
21.50	0.04	330.26	0.04
22.00	0.04	330.26	0.04
22.50	0.04	330.26	0.04
23.00	0.04	330.25	0.04
23.50	0.03	330.25	0.03
24.00	0.03	330.25	0.03

Stage-Discharge for Pond CB8-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
330.17	0.00	331.19	3.69	332.21	7.03
330.19	0.00	331.21	3.79	332.23	7.08
330.21	0.01	331.23	3.89	332.25	7.13
330.23	0.02	331.25	3.99	332.27	7.18
330.25	0.03	331.27	4.08	332.29	7.22
330.27	0.05	331.29	4.18	332.31	7.27
330.29	0.07	331.31	4.27	332.33	7.32
330.31	0.10	331.33	4.36	332.35	7.37
330.33	0.12	331.35	4.44	332.37	7.42
330.35	0.16	331.37	4.52	332.39	7.46
330.37	0.19	331.39	4.59	332.41	7.51
330.39	0.23	331.41	4.65	332.43	7.56
330.41	0.27	331.43	4.71	332.45	7.60
330.43	0.32	331.45	4.78	332.47	7.65
330.45	0.37	331.47	4.85	332.49	7.69
330.47	0.42	331.49	4.93	332.51	7.74
330.49	0.48	331.51	5.00	332.53	7.78
330.51	0.54	331.53	5.07	332.55	7.83
330.53	0.60	331.55	5.13	332.57	7.87
330.55	0.66	331.57	5.20	332.59	7.92
330.57	0.73	331.59	5.27	332.61	7.96
330.59	0.80	331.61	5.33	332.63	8.00
330.61	0.87	331.63	5.40	332.65	8.05
330.63	0.95	331.65	5.46	332.67	8.09
330.65	1.02	331.67	5.53	332.69	8.13
330.67	1.10	331.69	5.59	332.71	8.18
330.69	1.19	331.71	5.65	332.73	8.22
330.71	1.27	331.73	5.71	332.75	8.26
330.73	1.36	331.75	5.77	332.77	8.30
330.75	1.45	331.77	5.83	332.79	**8.35**
330.77	1.54	331.79	5.89		
330.79	1.63	331.81	5.95		
330.81	1.72	331.83	6.01		
330.83	1.82	331.85	6.07		
330.85	1.92	331.87	6.13		
330.87	2.01	331.89	6.18		
330.89	2.11	331.91	6.24		
330.91	2.22	331.93	6.30		
330.93	2.32	331.95	6.35		
330.95	2.42	331.97	6.41		
330.97	2.53	331.99	6.46		
330.99	2.63	332.01	6.51		
331.01	2.74	332.03	6.57		
331.03	2.84	332.05	6.62		
331.05	2.95	332.07	6.67		
331.07	3.06	332.09	6.72		
331.09	3.16	332.11	6.78		
331.11	3.27	332.13	6.83		
331.13	3.37	332.15	6.88		
331.15	3.48	332.17	6.93		
331.17	3.58	332.19	6.98		

Stage-Area-Storage for Pond CB8-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
330.17	**0**	331.19	0	332.21	0
330.19	0	331.21	0	332.23	0
330.21	0	331.23	0	332.25	0
330.23	0	331.25	0	332.27	0
330.25	0	331.27	0	332.29	0
330.27	0	331.29	0	332.31	0
330.29	0	331.31	0	332.33	0
330.31	0	331.33	0	332.35	0
330.33	0	331.35	0	332.37	0
330.35	0	331.37	0	332.39	0
330.37	0	331.39	0	332.41	0
330.39	0	331.41	0	332.43	0
330.41	0	331.43	0	332.45	0
330.43	0	331.45	0	332.47	0
330.45	0	331.47	0	332.49	0
330.47	0	331.49	0	332.51	0
330.49	0	331.51	0	332.53	0
330.51	0	331.53	0	332.55	0
330.53	0	331.55	0	332.57	0
330.55	0	331.57	0	332.59	0
330.57	0	331.59	0	332.61	0
330.59	0	331.61	0	332.63	0
330.61	0	331.63	0	332.65	0
330.63	0	331.65	0	332.67	0
330.65	0	331.67	0	332.69	0
330.67	0	331.69	0	332.71	0
330.69	0	331.71	0	332.73	0
330.71	0	331.73	0	332.75	0
330.73	0	331.75	0	332.77	0
330.75	0	331.77	0	332.79	0
330.77	0	331.79	0		
330.79	0	331.81	0		
330.81	0	331.83	0		
330.83	0	331.85	0		
330.85	0	331.87	0		
330.87	0	331.89	0		
330.89	0	331.91	0		
330.91	0	331.93	0		
330.93	0	331.95	0		
330.95	0	331.97	0		
330.97	0	331.99	0		
330.99	0	332.01	0		
331.01	0	332.03	0		
331.03	0	332.05	0		
331.05	0	332.07	0		
331.07	0	332.09	0		
331.09	0	332.11	0		
331.11	0	332.13	0		
331.13	0	332.15	0		
331.15	0	332.17	0		
331.17	0	332.19	0		

Summary for Pond CB9: Catchbasin

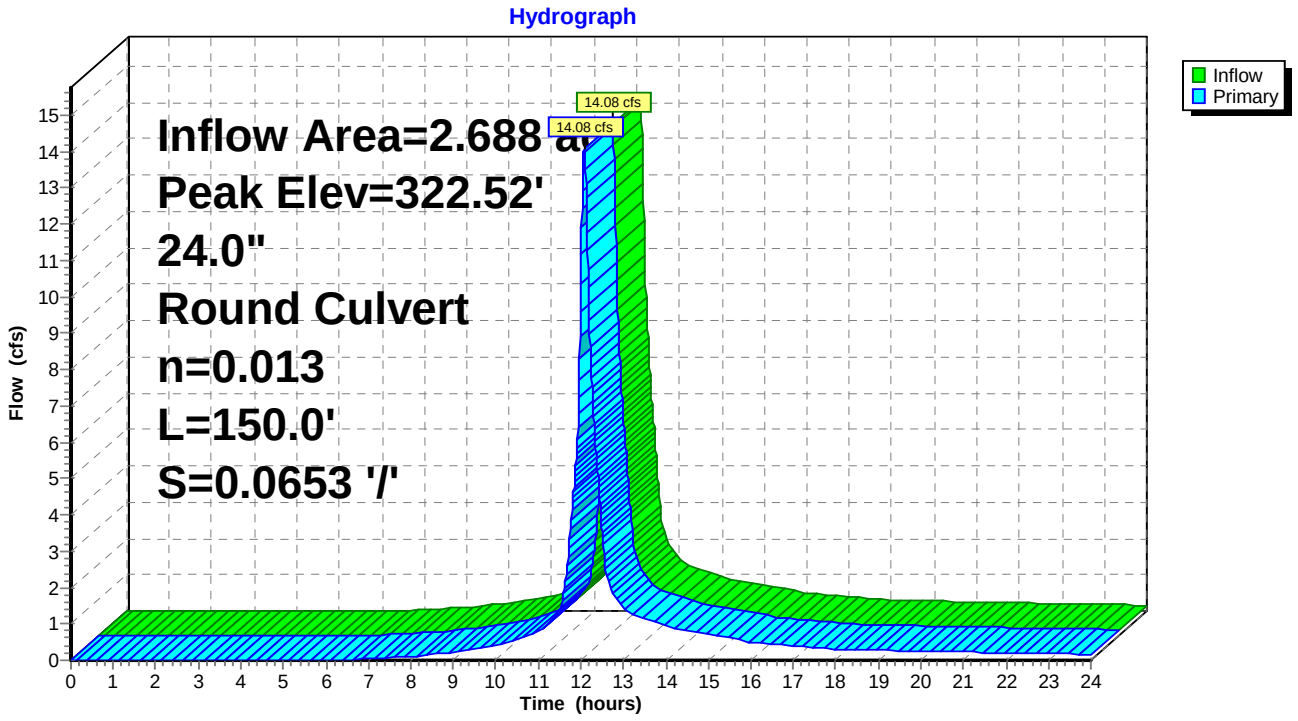
Inflow Area = 2.688 ac, 21.03% Impervious, Inflow Depth > 5.04" for 100-Year event
Inflow = 14.08 cfs @ 12.08 hrs, Volume= 1.130 af
Outflow = 14.08 cfs @ 12.08 hrs, Volume= 1.130 af, Atten= 0%, Lag= 0.0 min
Primary = 14.08 cfs @ 12.08 hrs, Volume= 1.130 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 322.52' @ 12.08 hrs
Flood Elev= 338.50'

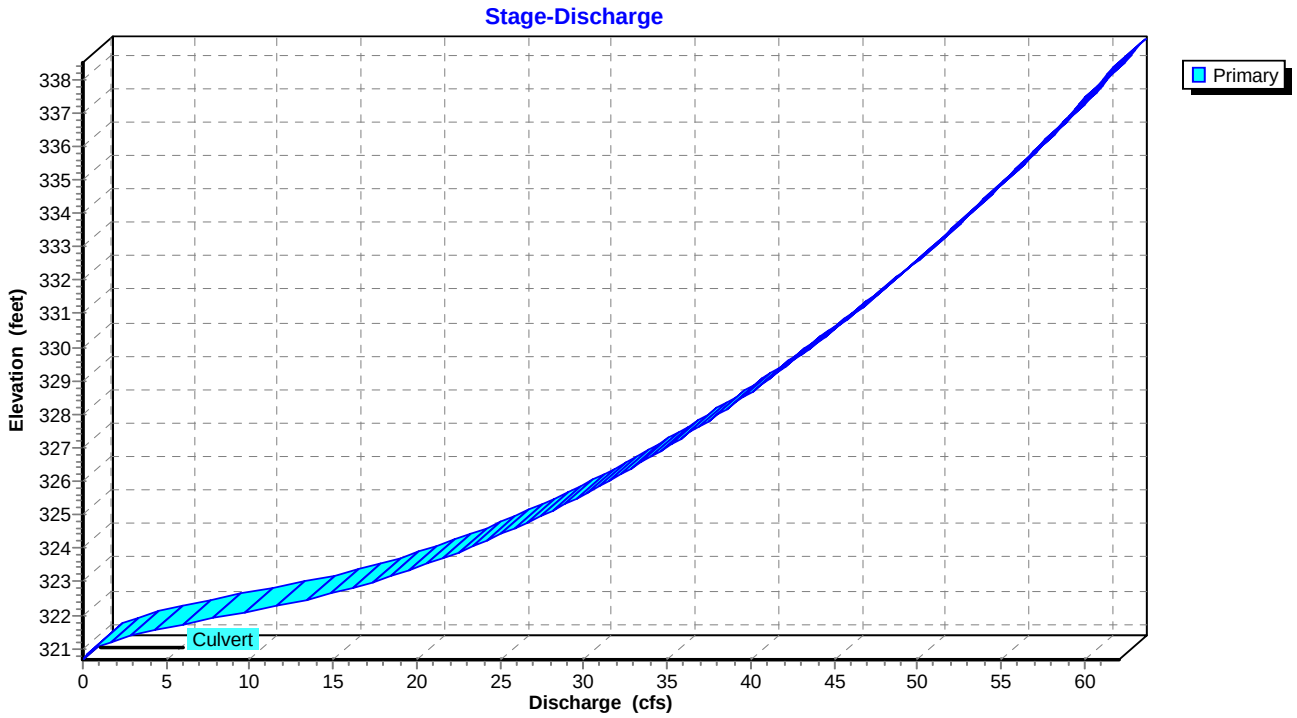
Device	Routing	Invert	Outlet Devices
#1	Primary	320.67'	**24.0" Round Culvert** L= 150.0' Ke= 0.500 Inlet / Outlet Invert= 320.67' / 310.87' S= 0.0653 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=14.07 cfs @ 12.08 hrs HW=322.52' TW=312.96' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 14.07 cfs @ 4.63 fps)

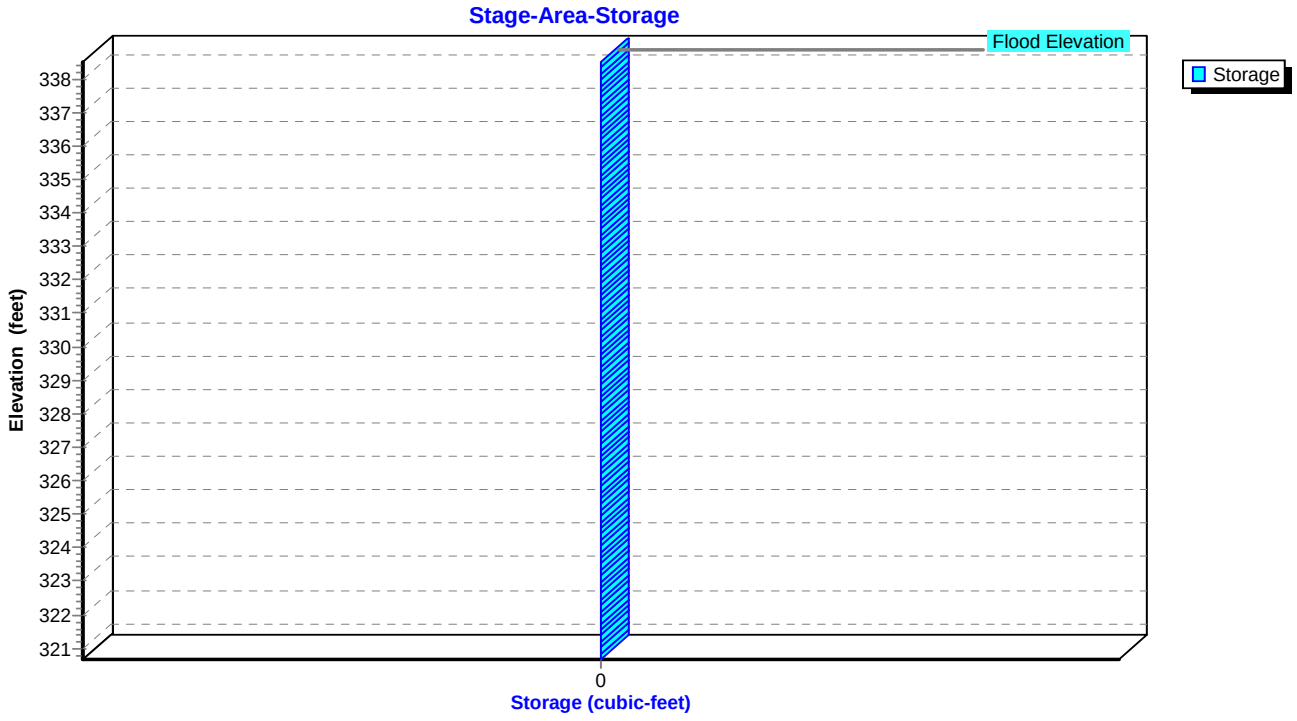
Pond CB9: Catchbasin



Pond CB9: Catchbasin



Pond CB9: Catchbasin



Hydrograph for Pond CB9: Catchbasin

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	320.67	0.00
0.50	0.00	320.67	0.00
1.00	0.00	320.67	0.00
1.50	0.00	320.67	0.00
2.00	0.00	320.67	0.00
2.50	0.00	320.67	0.00
3.00	0.00	320.67	0.00
3.50	0.00	320.67	0.00
4.00	0.00	320.67	0.00
4.50	0.00	320.67	0.00
5.00	0.00	320.67	0.00
5.50	0.00	320.68	0.00
6.00	0.00	320.69	0.00
6.50	0.02	320.72	0.02
7.00	0.04	320.75	0.04
7.50	0.07	320.77	0.07
8.00	0.10	320.80	0.10
8.50	0.16	320.83	0.16
9.00	0.23	320.86	0.23
9.50	0.32	320.90	0.32
10.00	0.42	320.93	0.42
10.50	0.58	320.98	0.58
11.00	0.79	321.03	0.79
11.50	1.39	321.15	1.39
12.00	**10.38**	**322.16**	**10.38**
12.50	**3.52**	**321.46**	**3.52**
13.00	1.46	321.17	1.46
13.50	1.14	321.11	1.14
14.00	0.93	321.06	0.93
14.50	0.81	321.04	0.81
15.00	0.71	321.01	0.71
15.50	0.60	320.98	0.60
16.00	0.50	320.96	0.50
16.50	0.44	320.94	0.44
17.00	0.40	320.92	0.40
17.50	0.35	320.91	0.35
18.00	0.31	320.89	0.31
18.50	0.29	320.88	0.29
19.00	0.27	320.88	0.27
19.50	0.26	320.87	0.26
20.00	0.25	320.87	0.25
20.50	0.23	320.86	0.23
21.00	0.22	320.86	0.22
21.50	0.21	320.86	0.21
22.00	0.20	320.85	0.20
22.50	0.19	320.85	0.19
23.00	0.18	320.84	0.18
23.50	0.17	320.84	0.17
24.00	0.16	320.83	0.16

Stage-Discharge for Pond CB9: Catchbasin

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
320.67	0.00	330.87	45.88
320.87	0.25	331.07	46.38
321.07	0.96	331.27	46.87
321.27	2.09	331.47	47.35
321.47	3.57	331.67	47.83
321.67	5.35	331.87	48.31
321.87	7.34	332.07	48.78
322.07	9.46	332.27	49.25
322.27	11.60	332.47	49.71
322.47	13.60	332.67	50.17
322.67	15.13	332.87	50.62
322.87	16.57	333.07	51.07
323.07	17.90	333.27	51.52
323.27	19.13	333.47	51.96
323.47	20.29	333.67	52.40
323.67	21.39	333.87	52.84
323.87	22.44	334.07	53.27
324.07	23.43	334.27	53.69
324.27	24.39	334.47	54.12
324.47	25.31	334.67	54.54
324.67	26.20	334.87	54.96
324.87	27.06	335.07	55.37
325.07	27.89	335.27	55.78
325.27	28.70	335.47	56.19
325.47	29.49	335.67	56.60
325.67	30.25	335.87	57.00
325.87	31.00	336.07	57.40
326.07	31.73	336.27	57.80
326.27	32.44	336.47	58.19
326.47	33.14	336.67	58.59
326.67	33.82	336.87	58.97
326.87	34.49	337.07	59.36
327.07	35.15	337.27	59.75
327.27	35.80	337.47	60.13
327.47	36.43	337.67	60.51
327.67	37.05	337.87	60.88
327.87	37.67	338.07	61.26
328.07	38.27	338.27	61.63
328.27	38.86	338.47	**62.00**
328.47	39.45		
328.67	40.02		
328.87	40.59		
329.07	41.15		
329.27	41.70		
329.47	42.25		
329.67	42.78		
329.87	43.32		
330.07	43.84		
330.27	44.36		
330.47	44.87		
330.67	45.38		

Stage-Area-Storage for Pond CB9: Catchbasin

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
320.67	**0**	330.87	0
320.87	0	331.07	0
321.07	0	331.27	0
321.27	0	331.47	0
321.47	0	331.67	0
321.67	0	331.87	0
321.87	0	332.07	0
322.07	0	332.27	0
322.27	0	332.47	0
322.47	0	332.67	0
322.67	0	332.87	0
322.87	0	333.07	0
323.07	0	333.27	0
323.27	0	333.47	0
323.47	0	333.67	0
323.67	0	333.87	0
323.87	0	334.07	0
324.07	0	334.27	0
324.27	0	334.47	0
324.47	0	334.67	0
324.67	0	334.87	0
324.87	0	335.07	0
325.07	0	335.27	0
325.27	0	335.47	0
325.47	0	335.67	0
325.67	0	335.87	0
325.87	0	336.07	0
326.07	0	336.27	0
326.27	0	336.47	0
326.47	0	336.67	0
326.67	0	336.87	0
326.87	0	337.07	0
327.07	0	337.27	0
327.27	0	337.47	0
327.47	0	337.67	0
327.67	0	337.87	0
327.87	0	338.07	0
328.07	0	338.27	0
328.27	0	338.47	0
328.47	0		
328.67	0		
328.87	0		
329.07	0		
329.27	0		
329.47	0		
329.67	0		
329.87	0		
330.07	0		
330.27	0		
330.47	0		
330.67	0		

Summary for Pond CB9-1: CB1-1

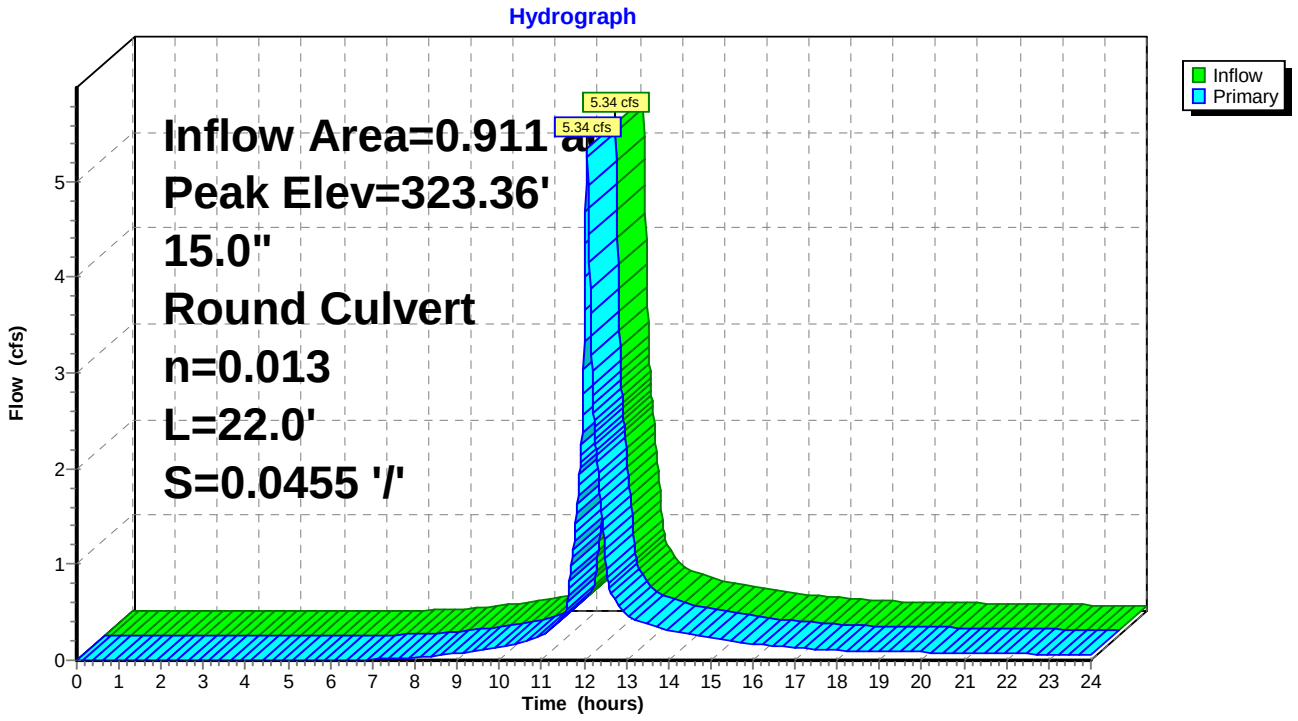
Inflow Area = 0.911 ac, 16.88% Impervious, Inflow Depth > 4.93" for 100-Year event
Inflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af
Outflow = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af, Atten= 0%, Lag= 0.0 min
Primary = 5.34 cfs @ 12.08 hrs, Volume= 0.374 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 323.36' @ 12.08 hrs
Flood Elev= 324.50'

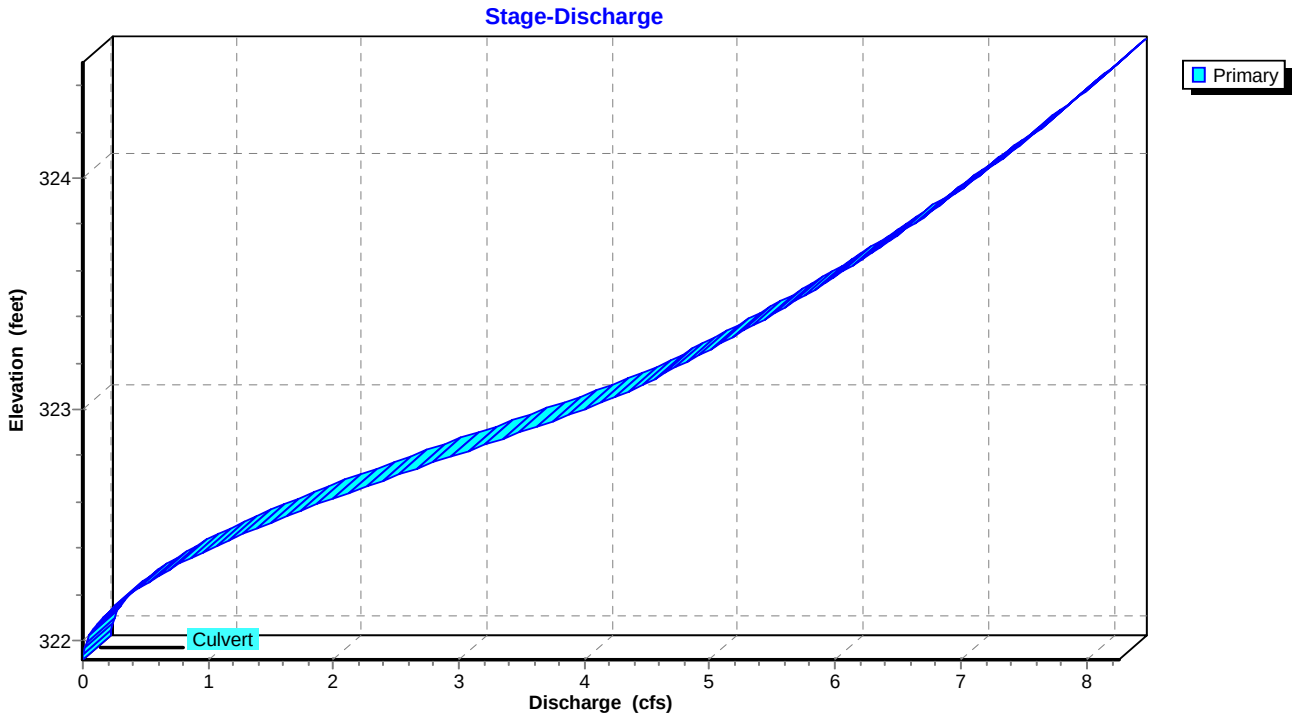
Device	Routing	Invert	Outlet Devices
#1	Primary	321.92'	**15.0" Round Culvert** L= 22.0' Ke= 0.500 Inlet / Outlet Invert= 321.92' / 320.92' S= 0.0455 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=5.34 cfs @ 12.08 hrs HW=323.36' TW=322.52' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 5.34 cfs @ 4.35 fps)

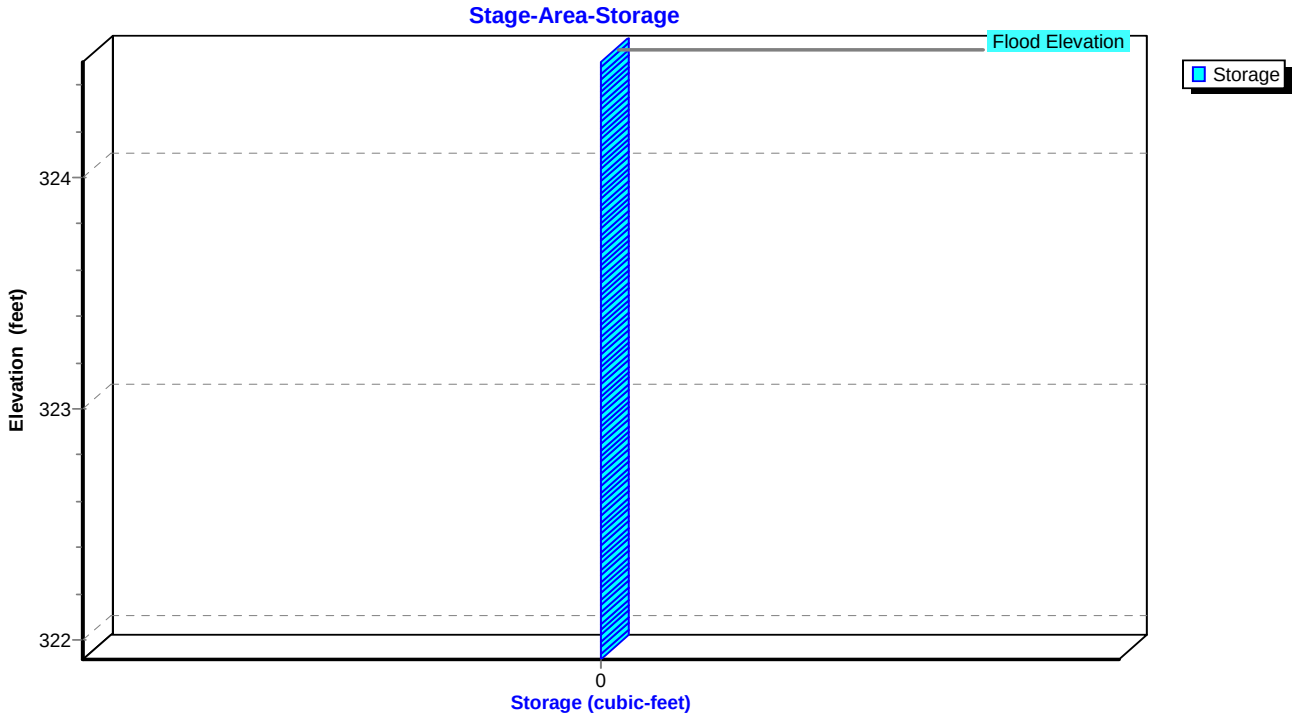
Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Pond CB9-1: CB1-1



Hydrograph for Pond CB9-1: CB1-1

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	321.92	0.00
0.50	0.00	321.92	0.00
1.00	0.00	321.92	0.00
1.50	0.00	321.92	0.00
2.00	0.00	321.92	0.00
2.50	0.00	321.92	0.00
3.00	0.00	321.92	0.00
3.50	0.00	321.92	0.00
4.00	0.00	321.92	0.00
4.50	0.00	321.92	0.00
5.00	0.00	321.92	0.00
5.50	0.00	321.92	0.00
6.00	0.00	321.92	0.00
6.50	0.00	321.94	0.00
7.00	0.01	321.96	0.01
7.50	0.02	321.98	0.02
8.00	0.03	322.00	0.03
8.50	0.05	322.02	0.05
9.00	0.07	322.04	0.07
9.50	0.10	322.06	0.10
10.00	0.13	322.09	0.13
10.50	0.19	322.12	0.19
11.00	0.26	322.15	0.26
11.50	0.45	322.23	0.45
12.00	**3.33**	**322.87**	**3.33**
12.50	**1.13**	**322.43**	**1.13**
13.00	0.48	322.24	0.48
13.50	0.38	322.20	0.38
14.00	0.31	322.18	0.31
14.50	0.27	322.16	0.27
15.00	0.24	322.14	0.24
15.50	0.20	322.12	0.20
16.00	0.17	322.11	0.17
16.50	0.15	322.09	0.15
17.00	0.13	322.09	0.13
17.50	0.12	322.08	0.12
18.00	0.10	322.06	0.10
18.50	0.10	322.06	0.10
19.00	0.09	322.06	0.09
19.50	0.09	322.05	0.09
20.00	0.08	322.05	0.08
20.50	0.08	322.05	0.08
21.00	0.08	322.04	0.08
21.50	0.07	322.04	0.07
22.00	0.07	322.04	0.07
22.50	0.06	322.03	0.06
23.00	0.06	322.03	0.06
23.50	0.06	322.03	0.06
24.00	0.05	322.02	0.05

Stage-Discharge for Pond CB9-1: CB1-1

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
321.92	0.00	322.94	3.69	323.96	7.03
321.94	0.00	322.96	3.79	323.98	7.08
321.96	0.01	322.98	3.89	324.00	7.13
321.98	0.02	323.00	3.99	324.02	7.18
322.00	0.03	323.02	4.08	324.04	7.22
322.02	0.05	323.04	4.18	324.06	7.27
322.04	0.07	323.06	4.27	324.08	7.32
322.06	0.10	323.08	4.36	324.10	7.37
322.08	0.12	323.10	4.44	324.12	7.42
322.10	0.16	323.12	4.52	324.14	7.46
322.12	0.19	323.14	4.59	324.16	7.51
322.14	0.23	323.16	4.65	324.18	7.56
322.16	0.27	323.18	4.71	324.20	7.60
322.18	0.32	323.20	4.78	324.22	7.65
322.20	0.37	323.22	4.85	324.24	7.69
322.22	0.42	323.24	4.93	324.26	7.74
322.24	0.48	323.26	5.00	324.28	7.78
322.26	0.54	323.28	5.07	324.30	7.83
322.28	0.60	323.30	5.13	324.32	7.87
322.30	0.66	323.32	5.20	324.34	7.92
322.32	0.73	323.34	5.27	324.36	7.96
322.34	0.80	323.36	5.33	324.38	8.00
322.36	0.87	323.38	5.40	324.40	8.05
322.38	0.95	323.40	5.46	324.42	8.09
322.40	1.02	323.42	5.53	324.44	8.13
322.42	1.10	323.44	5.59	324.46	8.18
322.44	1.19	323.46	5.65	324.48	8.22
322.46	1.27	323.48	5.71	324.50	**8.26**
322.48	1.36	323.50	5.77		
322.50	1.45	323.52	5.83		
322.52	1.54	323.54	5.89		
322.54	1.63	323.56	5.95		
322.56	1.72	323.58	6.01		
322.58	1.82	323.60	6.07		
322.60	1.92	323.62	6.13		
322.62	2.01	323.64	6.18		
322.64	2.11	323.66	6.24		
322.66	2.22	323.68	6.30		
322.68	2.32	323.70	6.35		
322.70	2.42	323.72	6.41		
322.72	2.53	323.74	6.46		
322.74	2.63	323.76	6.51		
322.76	2.74	323.78	6.57		
322.78	2.84	323.80	6.62		
322.80	2.95	323.82	6.67		
322.82	3.06	323.84	6.72		
322.84	3.16	323.86	6.78		
322.86	3.27	323.88	6.83		
322.88	3.37	323.90	6.88		
322.90	3.48	323.92	6.93		
322.92	3.58	323.94	6.98		

Stage-Area-Storage for Pond CB9-1: CB1-1

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
321.92	**0**	322.94	0	323.96	0
321.94	0	322.96	0	323.98	0
321.96	0	322.98	0	324.00	0
321.98	0	323.00	0	324.02	0
322.00	0	323.02	0	324.04	0
322.02	0	323.04	0	324.06	0
322.04	0	323.06	0	324.08	0
322.06	0	323.08	0	324.10	0
322.08	0	323.10	0	324.12	0
322.10	0	323.12	0	324.14	0
322.12	0	323.14	0	324.16	0
322.14	0	323.16	0	324.18	0
322.16	0	323.18	0	324.20	0
322.18	0	323.20	0	324.22	0
322.20	0	323.22	0	324.24	0
322.22	0	323.24	0	324.26	0
322.24	0	323.26	0	324.28	0
322.26	0	323.28	0	324.30	0
322.28	0	323.30	0	324.32	0
322.30	0	323.32	0	324.34	0
322.32	0	323.34	0	324.36	0
322.34	0	323.36	0	324.38	0
322.36	0	323.38	0	324.40	0
322.38	0	323.40	0	324.42	0
322.40	0	323.42	0	324.44	0
322.42	0	323.44	0	324.46	0
322.44	0	323.46	0	324.48	0
322.46	0	323.48	0	324.50	0
322.48	0	323.50	0		
322.50	0	323.52	0		
322.52	0	323.54	0		
322.54	0	323.56	0		
322.56	0	323.58	0		
322.58	0	323.60	0		
322.60	0	323.62	0		
322.62	0	323.64	0		
322.64	0	323.66	0		
322.66	0	323.68	0		
322.68	0	323.70	0		
322.70	0	323.72	0		
322.72	0	323.74	0		
322.74	0	323.76	0		
322.76	0	323.78	0		
322.78	0	323.80	0		
322.80	0	323.82	0		
322.82	0	323.84	0		
322.84	0	323.86	0		
322.86	0	323.88	0		
322.88	0	323.90	0		
322.90	0	323.92	0		
322.92	0	323.94	0		