



Evans Associates
Environmental Consulting, Incorporated

WETLAND DELINEATION REPORT

DATE: October 2, 2018

PROPERTY: Westchester SPCA Property at 590 North State Road
Village of Briarcliff Manor, Town of Ossining
Westchester County, New York

REPORT BY: Evans Associates Environmental Consulting, Inc.

WEATHER: 72°F, cloudy



Evans Associates first delineated wetlands on the above-captioned property in September of 2004. The delineation was done in accordance with the Freshwater Wetlands Protection Law of the Village of Briarcliff Manor (Chapter 131) and the technical criteria in the 1987 Army Corps of Engineers (ACOE) Wetland Delineation Manual (TR-Y-87-1). The wetland boundary was survey located by Campbell Engineering LLP. In January of 2016 the wetland boundary flags were reset by Summit Land Surveying, P.C. along the original wetland boundary, and a map titled "Survey Showing Wetlands at SPCA of Westchester", dated January 31, 2016 was prepared. The flags set in 2016 were reviewed on September 27, 2018 by a Certified Professional Wetland Scientist and a Certified Professional Soil Scientist from Evans Associates, and were found to accurately reflect the wetland boundary on the 3.8± acre property.

The SPCA property is located on the east side of North State Road, and is utilized as an animal shelter, mainly for dogs. The site contains several buildings in the central, developed area of the site. The western edge of the site is wooded and contains a brook with surrounding wetlands. This area is undeveloped with the exception of a wood-chip trail which circles the wetland and is bridged over the brook. The eastern portion of the site is also undeveloped, but contains areas of disturbance and fill, as well as a wood chip play area and walking path for the dogs. The Pocantico River borders the eastern property boundary near Route 100.

Two regulated wetlands were identified on the site. The first is a streamside wetland located near the western property boundary. The second is the narrow streamside wetland

162 Falls Road
Bethany, CT 06524
Tel: 203.393.0690

located along the Pocantico River in the eastern portion of the site. All the wetlands are locally regulated by the Village and are also federally regulated by the ACOE. In addition to regulating wetlands, the Village also regulates a 100-foot wetland buffer, or "Adjacent Areas" around the wetlands. There are no buffers regulated by the ACOE. There are no New York State Department of Environmental Conservation (DEC) freshwater wetlands on the site. The Pocantico River, however, is regulated by the DEC under Article 15, Protection of Waters, as a Class B(T) watercourse. There is a 50-foot watercourse buffer regulated by the DEC, measured from the top of the bank.

VEGETATION

Vegetation in the wetland adjacent to North State Road includes red maple (*Acer rubrum*), musclewood (*Carpinus caroliniana*), and American elm (*Ulmus americana*) trees and saplings, spicebush (*Lindera benzoin*) shrubs, along with jewelweed (*Impatiens capensis*), smartweed (*Polygonum sp.*), cinnamon fern (*Osmunda cinnamomea*) and sensitive fern (*Onoclea sensibilis*). The narrow bands of wetland adjacent to the Pocantico River are sparsely vegetated with species including some spicebush shrubs and jewelweed. The uplands of the site contain some areas of lawn and landscape plantings in the developed areas, as well as areas of mixed, deciduous forest habitat. Vegetation in the forested uplands includes sugar maple (*Acer saccharum*), black birch (*Betula lenta*), tuliptree (*Liriodendron tulipifera*), black locust (*Robinia pseudoacacia*), and black cherry (*Prunus serotina*) trees and saplings, multiflora rose (*Rosa multiflora*) shrubs, along with poison ivy (*Toxicodendron radicans*) vines, garlic mustard (*Alliaria petiolata*), and Christmas fern (*Polystichum acrostichoides*).

SOILS

Soils in the wetlands consist of very poorly drained Sun loam. Sun loam is formed in glacial till in small depressions and along drainageways. Slopes for this soil range from level to three percent. Sun loam has an aquic moisture regime and is listed locally and nationally on hydric soil lists. The soils associated with the Pocantico River watercourse are fluvaquents. Fluvaquent soils are frequently flooded, scoured, and eroded. The soils in the upland include Udorthents, smoothed, and a Charlton-Chatfield complex. Udorthents, smoothed are soils that have been disturbed by cutting and filling associated with the site development. The soils in the uplands are a complex of well drained Charlton loam, well drained and somewhat excessively drained Chatfield and Hollis loams, and up to 10-percent rock outcrops. These soils are formed in glacial till underlain by highly folded bedrock. Slopes for these upland soils range from two to 15 percent.

Westchester SPCA Property

October 2, 2018

Page 3

HYDROLOGY

The wetlands are primarily sustained by the interception of the regional underlying seasonally high groundwater table. Runoff from surrounding areas also contributes to sustaining the wetlands areas closest to the drainage channel in the western portion of the site and along the edge of the Pocantico River. Evidence of wetland hydrology includes saturated soil, flowing or ponded water, and water-stained leaves.