

Prepared by:



Edgewood Environmental Consulting, LLC

Wetland Delineation Report

Clear Property, 515 Woodstock Road, Millbrook, Town of Washington, Dutchess County, NY

Prepared for The LRC Group

18 July 2024



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Wetland Delineation Report

Clear Property, 515 Woodstock Road, Millbrook, Town of Washington, Dutchess County, NY

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1. INTRODUCTION

Development activities in wetlands in the State of New York may be regulated by the U.S. Army Corps of Engineers (USACE) and the U.S. Environmental Protection Agency (USEPA) under Sections 401 and 404 of the Clean Water Act (CWA). Such activities may also be regulated by the New York State Department of Environmental Conservation (NYSDEC) under Article 24 of the New York State Environmental Conservation Law (NYSECL), the Freshwater Wetlands Act. The Town of Washington, in Dutchess County, also regulates wetlands under Section 396 of the Town Code. Therefore, it is necessary and prudent to determine whether regulated wetlands may occur on a parcel of land prior to planning land use changes. Such a determination may inform parcel subdivision lot lines, as well as whether permitting may be required for proposed development or land use changes.

Edgewood Environmental Consulting, LLC (Edgewood) was retained by The LRC Group to identify and delineate the extent of wetlands on a ± 90.87 -acre (ac) parcel located at 515 Woodstock Road, Millbrook, NY. The landowners, Tim and Johna Clear, propose to subdivide the parcel into 5 residential lots for development of three new single-family homes.

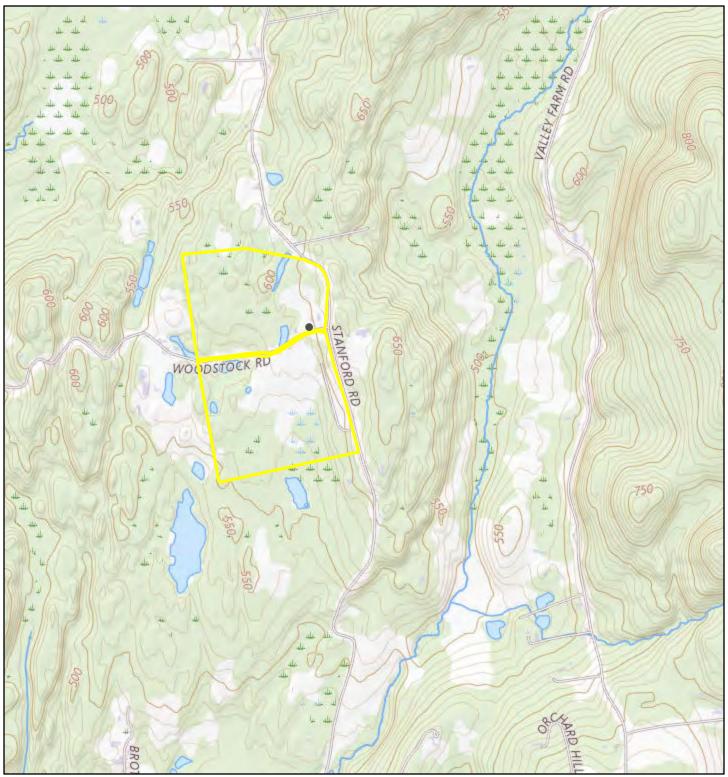
The wetland delineation included a review of published data and online data sources to determine the potential for wetlands to occur on the Study Site, as well as to determine the potential regulatory status of wetlands, if they were present. This was followed by a field visit during which wetlands on the site were identified based on the presence of hydrophytic (wetland-adapted) vegetation, hydric (saturated) soils, and persistent hydrology (presence of water). The wetland field delineation included demarcating the wetland boundaries, consisting of points along the transitional zone between wetlands and uplands, where wetland conditions no longer predominated.

2. SITE LOCATION AND DESCRIPTION

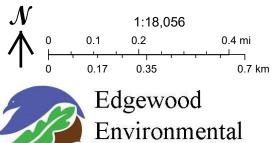
The Study Site was a ±90.87-ac property located on the north and south sides of Woodstock Road, immediately west of Stanford Road, in the Millbrook area, Town of Washington, Dutchess County, New York (Study Site). The Study Site centroid coordinates were 41.811844°N, 73.708961°W (WGS84 datum, NY State Plane projection). The center of the parcel was located at elevation of 580 feet above mean sea level (AMSL), but sloped gently down to the south and southwest of Woodstock Road to a low elevation of 550 feet AMSL, and up toward Stanford Road to a high point of 620 feet AMSL, just south of Woodstock Road. Topography on the site could be described as a rolling mosaic of small knolls or knobs and depressions. Reference is made to the Site Location Map in *Figure 1.*

The northern portion of the Study Site, north of Woodstock Road, contained one single-family residential house on the north side of Woodstock Road (#515) with multiple associated outbuildings (e.g., barns, sheds, coops etc.). The southeastern corner of the property north of Woodstock Road was occupied by a large pole barn and smaller agricultural structures, as well as fenced pens for livestock. North of these buildings was a fenced meadow that was probably previously used as a pasture. The western 2/3 of the northern part of the Study Site was divided into mature hardwood forest to the north, a small meadow area in the middle, and a successional shrubland and hardwood forest along the north side of Woodstock Road. South of Woodstock Road contained another single-family dwelling (#525), which also had several small outbuildings/sheds. West of the house was a mowed lawn and a pond, surrounded by scrub-shrub wetland and shallow emergent marsh habitats. South of the house

Figure 1. Site Location Map



Clear Property Wetland Delineation Woodstock Road, Millbrook, Town of Washington, Dutchess County, NY



Consulting, LLC

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Legend:



Property Boundary

was a mosaic of successional hardwood forest, conifer plantation, a variety of successional stages (old field, shrubland, and forest), and forested swamp. East of the house was a lawn, and large area of successional old field that was formerly used as pasture. South of this pasture was a large wetland complex with multiple successional seres (marsh, shrub-swamp, forested swamp). East of this wetland complex, the land sloped up to Stanford Road, and was made up of a mixture of successional old fields (former fenced pastures) and successional hardwood forest patches. Edgewood identified 18 ecological communities (cover types, or habitats) on the Study Site, as classified in *Ecological Communities of New York State, Second Edition* (Edinger, *et al.*, 2014). The spatial distribution of these communities is illustrated in *Figure 2. Ecological Communities Map.*

3. METHODS

3.1 Desktop Data Review

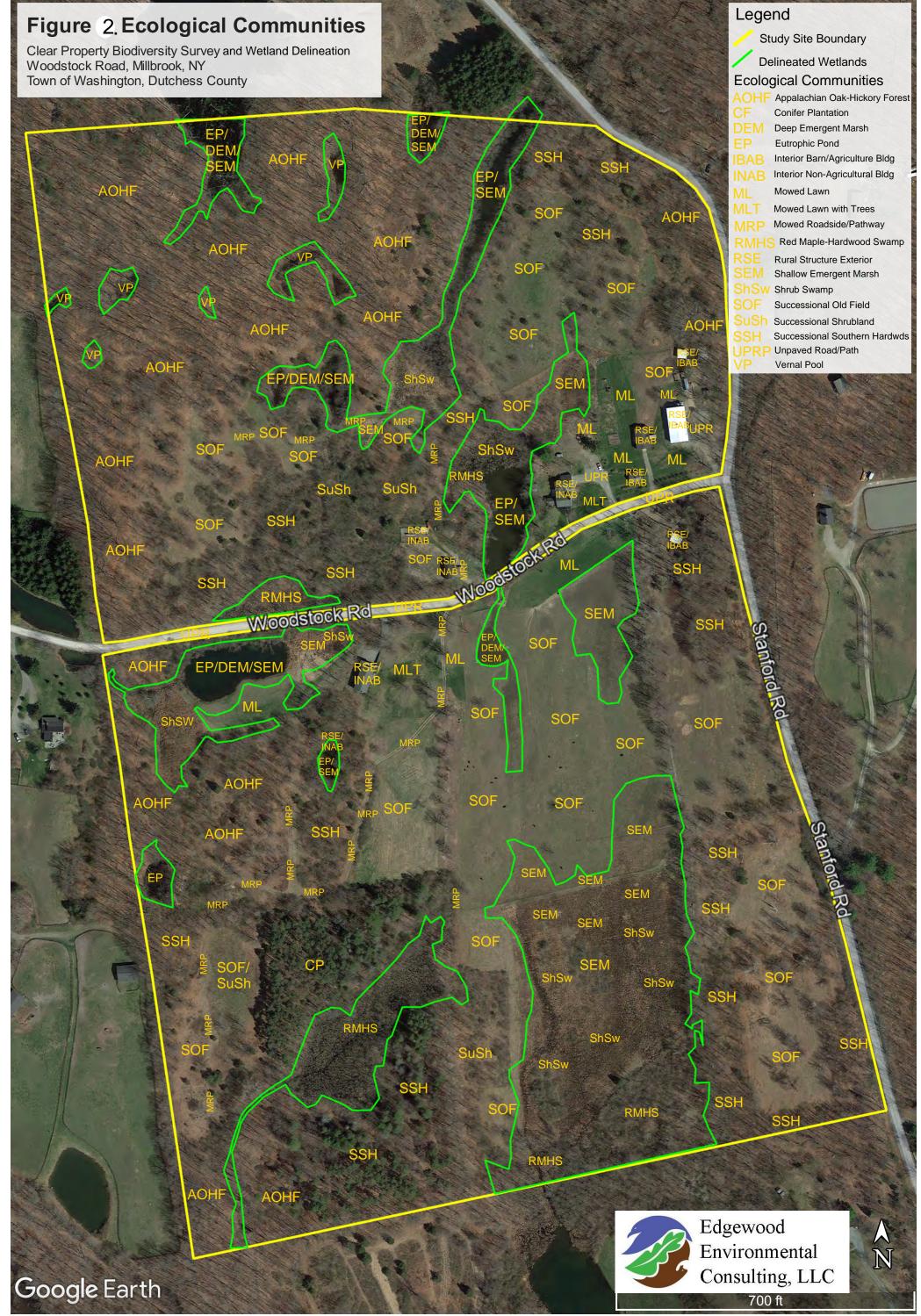
Edgewood reviewed a variety of data from online sources to determine site conditions and historic records of wetlands on and in the vicinity of the Study Site. These data informed the planning and execution of the field delineation.

3.1.1 National Wetland Inventory

Edgewood reviewed the USFWS's National Wetland Inventory (NWI) Map for the area to determine whether federal-jurisdictional wetlands were previously mapped on or in the vicinity of the Study Site. NWI Maps illustrate the location of federally-regulated wetlands that were identified by remote sensing techniques, so they are intended to be an approximate indication of the location and extent of wetlands on the landscape. Federally-regulated wetlands do not have a minimum size, and may be identified in the field by three (3) criteria: wetland hydrology, wetland vegetation, and wetland (hydric) soils. Wetlands do not need to be depicted on the NWI maps to fall under the jurisdiction of the Clean Water Act.

In order for wetlands to be subject to federal jurisdiction under the Clean Water Act, they must meet the current definition of Waters of the United States (WOTUS), based on the *Sackett v. USEPA* Supreme Court decision, which includes:

- (1) Waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- (2) The territorial seas; or
- (3) Interstate waters;
- (4) Impoundments of waters otherwise defined as waters of the United States under this definition, other than impoundments of waters identified under (7) below;
- (5) Tributaries of waters identified in (1) through (4), above:
- a. That are relatively permanent, standing or continuously flowing bodies of water;(6) Wetlands adjacent to the following waters:
 - a. Waters identified in (1), above; or
 - b. Relatively permanent, standing or continuously flowing bodies of water identified in (4) or (5), above, and with a continuous surface connection to those waters; or
- (7) Intrastate lakes and ponds, streams, or wetlands not identified in (1) through (6), above, that are relatively permanent, standing or continuously flowing bodies of water with a continuous surface connection to the waters identified in (1) through (5), above.



Page 4

Therefore, a wetland must have a continuous surface connection to traditional navigable waters (TNW), which are defined as those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce, to be regulated as a WOTUS under the Clean Water Act.

3.1.2 NYSDEC Freshwater Wetland Maps

Edgewood also reviewed the NYSDEC's online Environmental Resource Mapper (ERM), which includes plots of NYSDEC-regulated wetlands from the New York State Freshwater Wetland Maps (*Figure 4*). Unlike federal wetlands, a wetland regulated by NYSDEC under Article 24 of the NYSECL must be at least 12.4 acres (5 hectares) in area and must either be mapped on a NYSDEC Freshwater Wetland Map, or be located within 50 meters of, or be hydrologically connected to a mapped wetland¹. In addition, NYSDEC also regulates a 100-foot-wide area adjacent to state-regulated wetlands.

3.1.3 Town of Washington Wetland Map

Section 396 of the Washington Town Code outlines regulations of wetlands within the Town. It references a Town Wetlands Map (*Figure 5. Town of Washington Wetland Map*), which illustrates the approximate locations and extent of wetlands, streams, and hydric soils within the Town of Washington, including federal and state-regulated wetlands and floodplains. The Town of Washington regulates wetlands defined as, "those areas that are inundated or saturated by surface or groundwater at a frequency or duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." The Town regulates wetlands greater than ¼-acre in area that are mapped on the Town Wetlands Map, or that are, otherwise delineated by the Town Wetland Administrator or a knowledgeable expert hired by the Town of Applicant." In addition to regulating such wetland areas, the Town also regulates development activities within 50 feet of wetlands between ¼-acre and 1-acre in area, and within 100 feet of wetlands greater than 1 acre in area. Edgewood reviewed the Town Wetlands Map to determine whether any potential Town-regulated wetlands were mapped on the Study Site.

3.1.4 Web Soil Survey

Wetlands tend to form in areas with hydric soils because hydric soils are slow to drain, forcing water to remain near the surface, saturating soils, and rendering them anaerobic. Therefore, hydric soils can be a good indicator of wetland locations and extent. It is important to note, however, that soil characteristics can take decades to develop, and just as long to fade, if soil conditions change. Therefore, hydric soils may be indicative of soil saturation from long ago that no longer exists. The Natural Resources Conservation Service's Web Soil Survey (WSS) provides online access to county soil survey data including site-specific soil mapping, so Edgewood reviewed these data to determine whether hydric soils were mapped on the Study Site (*Figure 6. Soils Map*).

3.1.5 National Hydrography Dataset

The U.S. Geological Survey's National Hydrography Dataset (NHD) illustrates the flow and connections of surface waters. Data from the NHD indicate how a wetland drains and its

¹ These regulatory criteria will be changing, effective January 1, 2025. It will no longer be necessary for a NYSDEC-regulated wetland to appear on the NYSDEC Freshwater Wetland Maps, and NYSDEC may regulate wetlands of any size if they are deemed to be of unusual local importance.

association with surface waters, as well as how it may or may not connect to interstate waters. This information is used to determine a wetland's status as a water of the United States (WOTUS), which would make it a regulated feature under the CWA. A large scale NHD map (*Figure 7*) illustrates the local surface water connections to TNWs. These maps were used to determine whether a physical surface connection existed between wetlands on the Study Site and TNWs in the region. The NHD map also indicated the 12-digit Hydrologic Unit Code (HUC-12), which indicates the local watershed in which the Study Site was located.

3.1.6 Federal Emergency Management Agency Flood Insurance Rate Maps

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) (*Figure* 8) indicate the extent of known 100-year flood plains (1% chance flood zones) along perennial watercourses. A 100-year floodplain has a 1% chance of flooding annually, and a 500-year floodplain has 0.2% chance of flooding annually. Any construction within a 100-year floodplain must meet certain criteria to remain eligible for federal flood insurance protection. The FIRM for the Study Site was reviewed to determine whether the Site fell within a 100-year floodplain.

3.2 Field Delineation of Wetlands

Edgewood conducted the field delineation of wetlands on 29 April – 1 May 2024, during the growing season. Vegetation was readily identifiable, soils were sampled in moist soil conditions, and wetland hydrology was clearly evident. Edgewood used the Routine Delineation Method outlined in the 1987 United States Army Corps of Engineers (USACE) Wetlands Delineation Manual, as amended by the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0 (USACE 2012) (Federal Manual). This involved visiting the Study Site and visually sampling vegetation, hydrology, and soil profiles to determine the location at which all three of those elements predominantly indicated the presence of wetlands, and where such predominance was no longer evident, indicating uplands. Sampling was conducted along one (1) transect in each wetland cover type along each wetland boundary (cover types that were not along the edges of wetlands were not sampled). Each transect consisted of at least two (2) sample points: one within the wetland area, and one in the adjacent upland area. Such data points indicated the location on the landscape at which the land transitioned from predominantly wetland to predominantly upland. Data observations were recorded on standard Wetland Determination Data Forms for each sample point, which are contained in Appendix A. Each sample point was also photographed to visually document conditions. Photographs of each sample point are included in Appendix B.

NYSDEC also has a delineation manual called, *Freshwater Wetlands Delineation Manual* (NYSDEC, 1995) (State Manual). The criteria used for defining wetlands in the State Manual are similar to those in the Federal Manual, but emphasize vegetation and hydrology, and only including soils if wetland and hydrology are not definitive. Since the Federal Manual overlaps in the use of vegetation and hydrology criteria with the State Manual, delineations conducted under the Federal Manual are typically accepted by NYSDEC.

Sample points were plotted with a sub-meter-accurate global positioning system (GPS) in order to be able to plot them on site maps. The wetland boundary was marked in the field with sequentially numbered surveyor flags tied to vegetation along each wetland boundary. The location and extent of the wetland boundaries delineated on the Project Site were plotted on an aerial photo (*Figure 9*) to illustrate the location and extent of wetlands on the Site.

3.2.1 Hydrology

Wetland hydrology was determined by visual observation and documentation of at least one (1) primary or two (2) secondary hydrologic indicators listed on the Wetland Determination Data Forms. Hydrology was assessed by searching for signs of ground inundation, soil saturation, or prolonged presence of water at or within 12 inches of the soil surface (the root zone), and any resulting anaerobic condition of the soils. Indicators of wetland hydrology were recorded on page 1 of each Wetland Determination Data Form for both wetland and upland sample points (*Appendix A*).

3.2.2 Vegetation

Vegetation was visually sampled in survey plots ranging in size depending on vegetation stratum. Herbaceous ground covers were sampled in 1 m circular plots; woody shrubs and vines were sampled in 5 m circular plots, and trees were sampled in 10 m circular plots. For each vegetation stratum, absolute percent cover of dominant species was estimated and were listed on page 2 of each Wetland Determination Data Form for both wetland and upland sample points in *Appendix A.*

3.2.3 Soils

Soils were sampled using a soil spade, which was used to manually dig a test hole up to 50 cm (±20 in) deep. Soils were then manually sampled to determine soil texture (sand, loam, silt, clay), and moist soil colors were visually compared with standard color chips in a Munsell Soil-Color Chart (Munsell Color, Grand Rapids, MI, USA, 2015) to characterize hue, value, and chroma in each soil horizon matrix and in soil inclusions, concentrations, and concretions. Soil characteristics were recorded on page 3 of each Wetland Determination Data Form for both wetland and upland sample points in *Appendix A*.

4. FINDINGS

4.1 Desktop Data Review

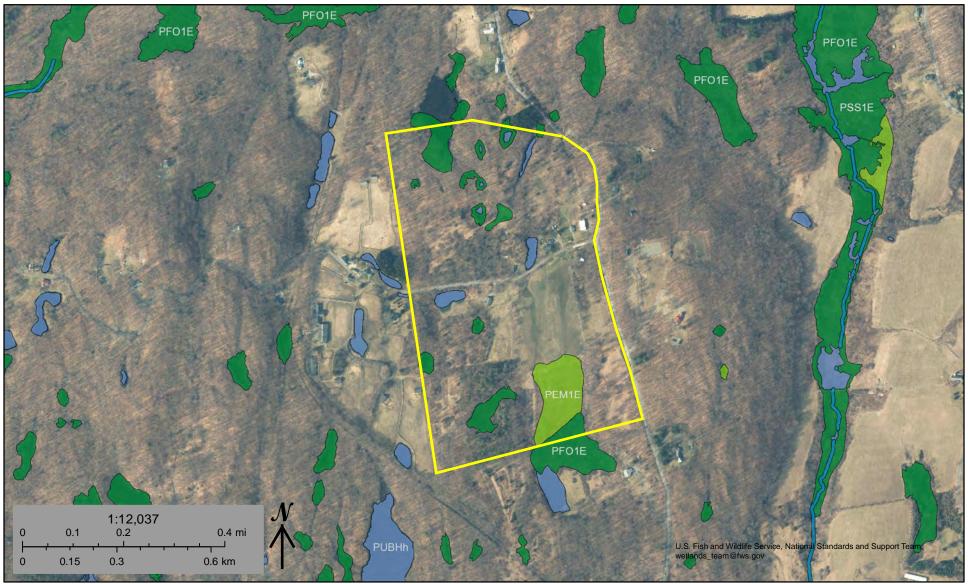
4.1.1 National Wetland Inventory

The NWI map (*Figure 3*) indicated eleven (11) forested wetlands (Cowardin wetland classification PFO1), seven of which were located on the Study Site north of Woodstock Road and four were located south of Woodstock Road. Four of the forested wetlands north of Woodstock Road also included ponds (PUB3C/H) within them. Two additional ponds (PUB3H), one north of Woodstock Road, and one south of Woodstock Road were not mapped within or associated with forested or other wetland types. A large area of seasonally flooded emergent marsh (PEM1E) wetland was indicated located in the southeast quadrant of the Study Site. Some wetlands appeared to be connected to wetlands or surface waters offsite, but none were mapped indicating surface connections to TNWs offsite, suggesting that all wetland features on the Study Site were isolated basin features with no surface connections to TNWs.



U.S. Fish and Wildlife Service **National Wetlands Inventory**

Figure 3. National Wetland Inventory Map

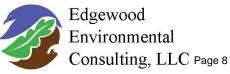


Clear Property Wetland Delineation Legend Woodstock Road, Millbrook,

Town of Washington **Dutchess County, NY**

- - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - **Freshwater Pond**
 - Study Site Boundary

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



4.1.2 NYSDEC Freshwater Wetland Maps

The Freshwater Wetland Map on the ERM (*Figure 4*) indicated no mapped NYSDEC-regulated wetlands or wetland check zones on or within 500 feet of the Study Site. The nearest mapped state-regulated freshwater wetland to the Study Site was Freshwater Wetland MB-25, a Class 2 wetland located just over 1,000 feet (±306 meters) east of the Study Site, east of Stanford Road. No wetlands on the Study Site were located within 50 meters of any state-mapped wetlands, and none were found to be hydrologically connected to those mapped wetlands.

4.1.3 Town of Washington Wetland Map

Wetlands indicated on the Town of Washington Wetland Map (*Figure 5*) were similar in location and configuration to those illustrated on the NWI Map (*Figure 3*). In addition, the Town Wetland Map indicated a large area of hydric soils along the east side of the parcel, partially straddling Woodstock Road, and a small pocket of hydric soils in the southwest corner of the parcel. No streams or floodplains were indicated on or connected to the Study Site.

4.1.4 Web Soil Survey

The online Web Soil Survey (*Figure 6*) identified four (4) soil types on the Study Site, two (2) of which were hydric soils. The hydric soils identified on the site included: Sun silt loam (Su), which occupied about 6.5% of the Study Site, and Massena silt loam, 0 to 3 percent slopes (MnA), which occupied about 10.2% of the Study Site.

Nassau-Cardigan complex, rolling, very rocky (NwC) occupied about 71.3% of the site, and Nassau-Cardigan complex, hilly, very rocky (NwD) occupied about 10.7% of the site. The remaining 1.3% was occupied by open water.

4.1.5 National Hydrography Dataset

The NHD Maps for the Study Site (*Figure 7*) indicated that the Study Site fell within the 12-digit Hydrologic Unit Code (HUC-12) Watershed 041402020602. The NHD Map also indicated that the stream located on the west side of the Study Site was intermittent in flow, and discharged to Limestone Creek, a TNW that drains via Chittenango Creek to Oneida Lake, which drains via the Oneida River to the Oswego River, which drains to Lake Ontario, an international water.

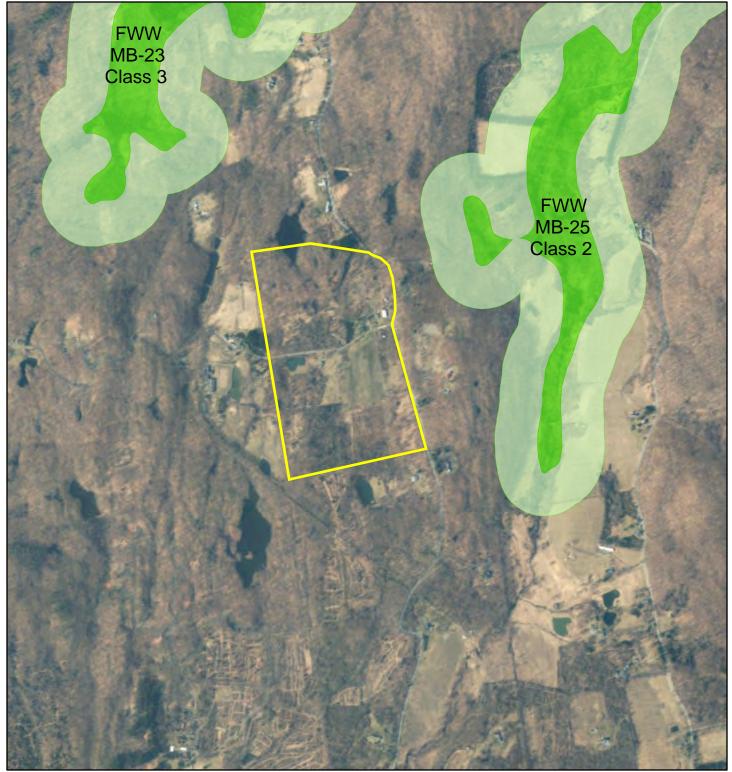
4.1.6 FEMA FIRM

The FEMA FIRM for the Study Site (*Figure 8*) indicated that no part of the Study Site was located within a 100-year flood plain or a 500-year floodplain of any river or stream. The Study Site was mapped as an area of minimal flood hazard (Zone X).

4.2 Field Delineation Results

Edgewood identified and delineated 18 wetlands on the Study Site, and labeled them alphabetically from A through R. *Figure 9. Wetlands and Waters* depicts each wetland identifier letter, location, extent, area, and Cowardin Wetland Classification (Cowardin, *et al.*, 1979) for each wetland. All of the wetland characteristics (ID, area, Cowardin Classification, jurisdictional status and regulated adjacent areas are summarized in *Table 1*.

Figure 4. NYSDEC Freshwater Wetland Map



Clear Property Wetland Delineation Woodstock Road, Millbrook, Town of Washington, Dutchess County, NY

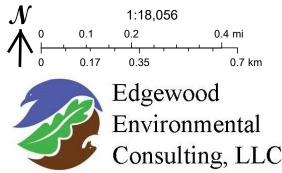
Legend:



Study Site Boundary

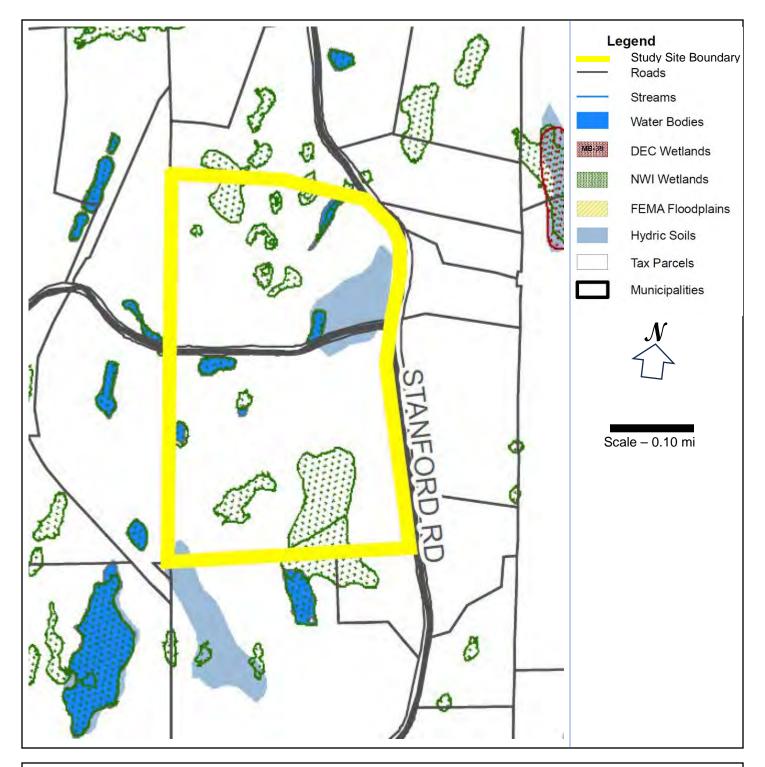
Mapped NYSDEC Freshwater Wetland

NYSDEC Freshwater Wetland Check Zone



Author: Edgewood Environmental Consulting, LLC Not a legal document Page 10

Figure 5. Town of Washington Wetland Map



Clear Property Wetland Delineation Woodstock Road, Millbrook, NY Town of Washington, Dutchess County



Edgewood Environmental Consulting, LLC

Source: Town of Washington Wetland Map. Enlarged to show detail.

Figure 6. Soils Map Soil Map—Dutchess County, New York

(Clear Parcels 515 Woodstock Road, Millbrook, NY)

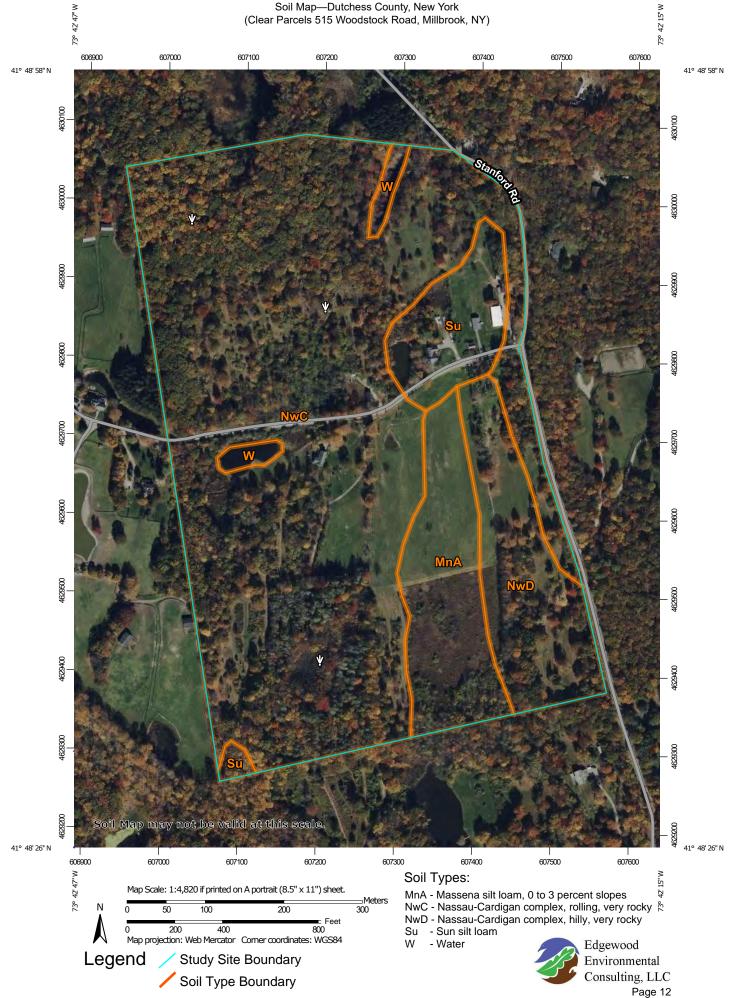
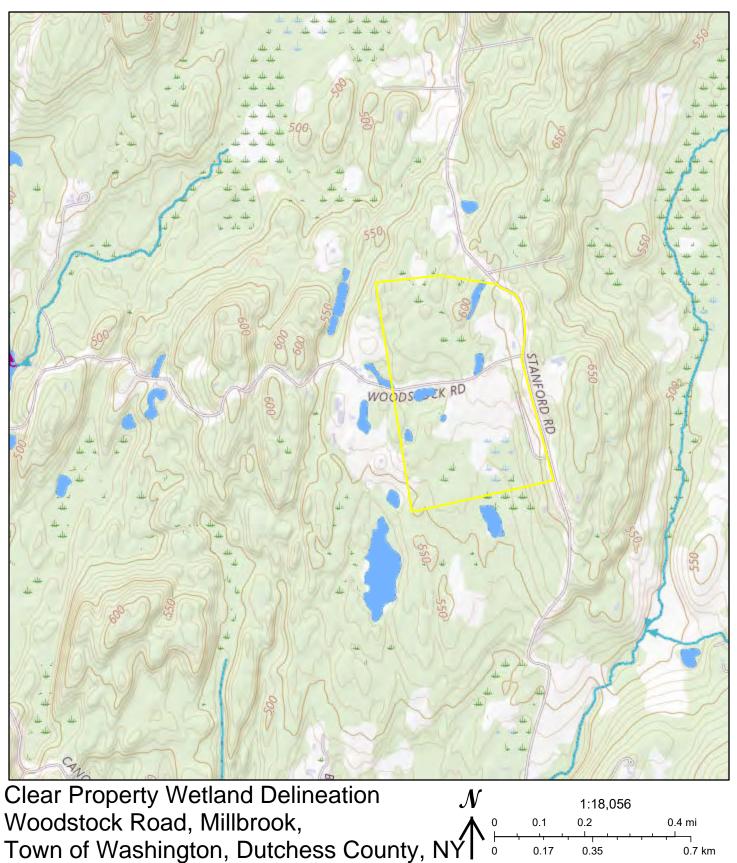


Figure 7. National Hydrography Dataset Map



Legend

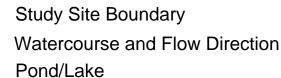
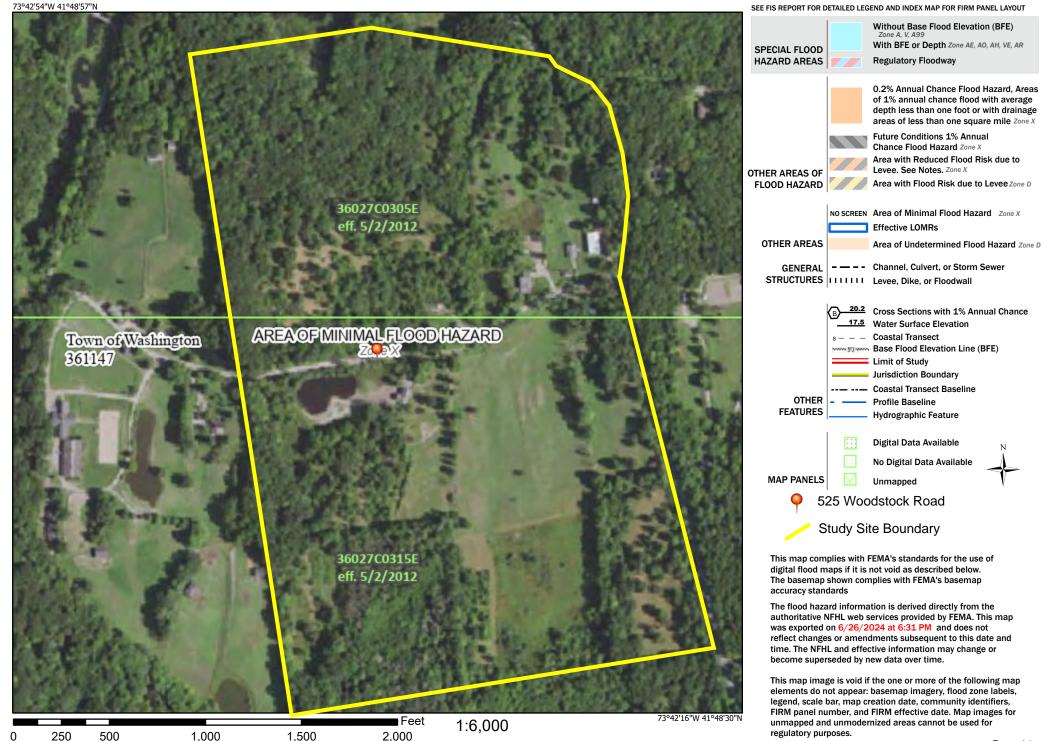




Figure 8. FEMA Flood Insurance Rate Map (FIRM)



Legend



Basemap Imagery Source: USGS National Map 2023

Figure 9. Wetlands and Waters

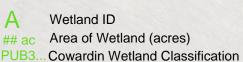
Clear Property Wetland Delineation Woodstock Road, Millbrook, Town of Washington, Dutchess County, NY

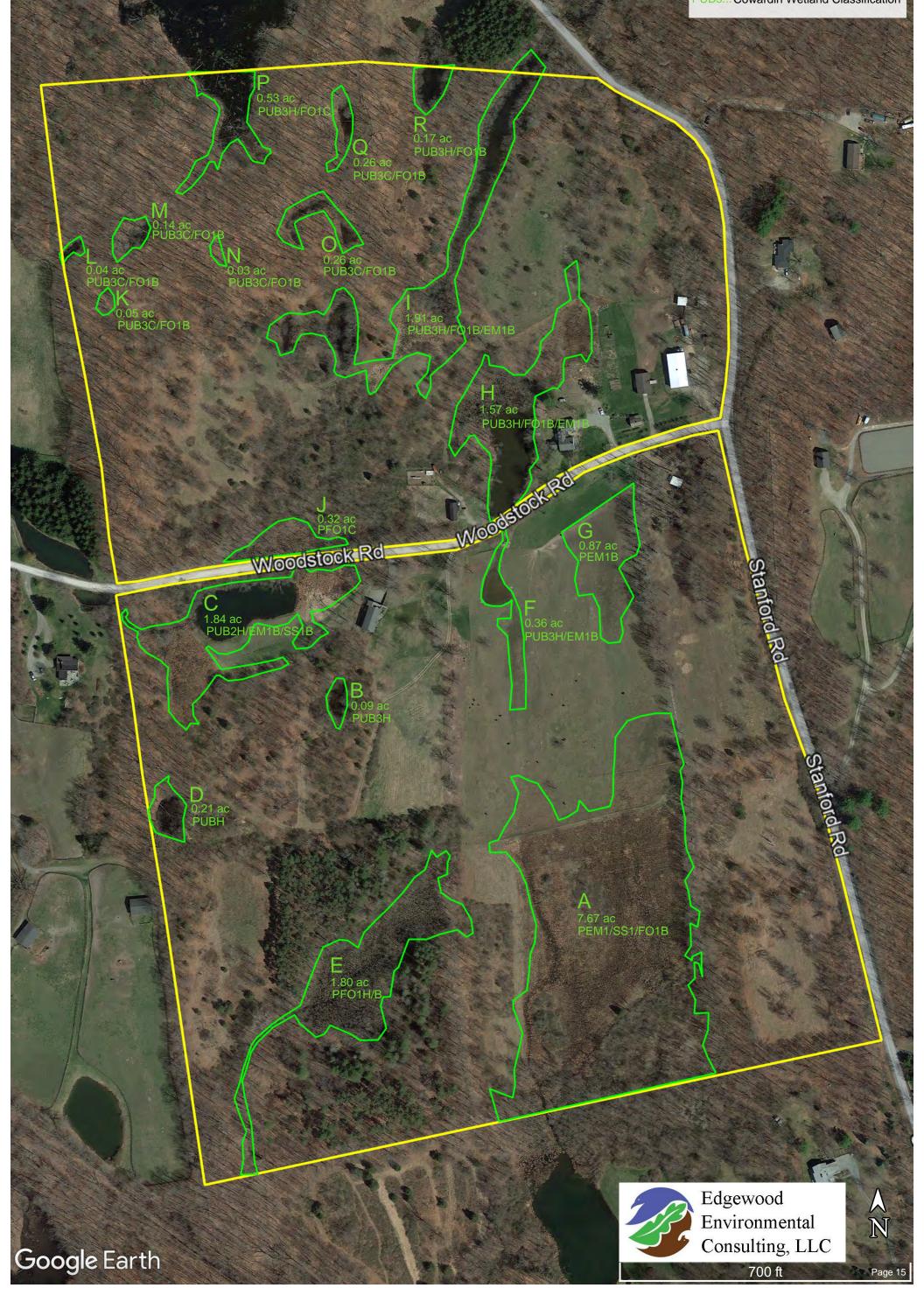


A

Study Site Boundary

Delineated Wetland Boundary





ford Pd

Wetland ID	Area (ac)	Cowardin Class	Federal Jurisdiction	State Jurisdiction	Town Jurisdiction	100- foot Buffer	50- foot Buffer
A	7.67	PEM1/SS1FO 1B	No	No	Yes	Х	
В	0.09	PUB3H	No	No	No		
С	1.84	PUB2H/EM1B /SS1B	No	No	Yes	Х	
D	0.21	PUB3H	No	No	No		
Е	1.80	PFO1H/B	No	No	Yes	Х	
F	0.36	PUB3H/EM1B	No	No	Yes		Х
G	0.87	PEM1B	No	No	Yes		Х
Н	1.57	PUB3H/FO1B/ EM1B	No	No	Yes	Х	
I	1.91	PUB3H/FO1B/ EM1B	No	No	Yes	Х	
J	0.32	PFO1C	No	No	Yes		Х
К	0.05	PUB3C/FO1B	No	No	No		
L	0.04	PUB3C/FO1B	No	No	No		
М	0.14	PUB3C/FO1B	No	No	No		
Ν	0.03	PUB3C/FO1B	No	No	No		
0	0.26	PUB3C/FO1B	No	No	Yes		Х
Р	0.53	PUB3H/FO1C	No	No	Yes		Х
Q	0.15	PUB3C/FO1B	No	No	No		
R	0.17	PUB3H/FO1B	No	No	No		

Table 1. Summary Wetland Metrics for the Clear Property, Woodstock Road, Millbrook, NY

4.2.1 Hydrology

Primary hydrologic indicators observed on the Study Site included:

- Surface Water
- Saturation

Secondary hydrologic indicators

- Drainage Patterns
- Geomorphic Position
- FAC-Neutral Test

Since the wetland sample points in each wetland contained at least one primary hydrologic indicator, or at least two (2) secondary hydrologic indicators, the presence of wetland hydrology was indicated.

4.2.2 Vegetation

Vegetation at the site was observed during the growing season, and was clearly identifiable. Areas identified as wetlands all passed the Dominance Test (\geq 50% vegetation that was facultative (FAC), facultative wetland (FACW), or obligate wetland (OBL)) and Prevalence Index Test (\leq 3.0), which was a weighted rating of wetland vegetation by percent cover and wetland indicator status on each Wetland Determination Data Form.

4.2.3 Soils

Soils were observed from test holes dug with a soil spade to a depth of up to 20 inches. Hydric soils on the site generally exhibited Depleted Matrix (F3), Depleted Below Dark Surface (A11), or Sandy Redox (S5) hydric soil indicators, confirming them as hydric soils.

4.3 Wetland Jurisdictional Determinations

4.3.1 Federal Jurisdictional Wetlands and Waters of the United States

Based on the NWI Map (*Figure 3*) and the NHD Map (*Figure 7*), all of the wetlands on the Study Site appeared to be isolated from TNWs or relatively permanent waters (RPWs) that would connect to any TNW. Therefore, all of the wetlands on the site would be considered isolated waters that should not be considered WOTUS, and therefore were not federal jurisdictional wetlands. None of the wetlands on the Study Site should be regulated under CWA Sections 401 or 404.

4.3.2 New York State-Jurisdictional Wetlands

Under current definitions in 6 CRR-NY Part 664.2, Freshwater Wetlands are defined as, "lands and waters of the State which meet the definition provided in Section 24-0107(1) of the act and have an area of at least 12.4 acres (approximately 5 hectares)...". In addition, in order for a wetland to be regulated by NYSDEC under the Freshwater Wetlands Act, that wetland must currently be depicted on the NYSDEC's Freshwater Wetland Maps, or must be hydrologically connected to and located within 50 meters of such mapped wetland area. There are no mapped wetlands on or within 1,000 feet of the Study Site. None of the wetlands on the Study Site were hydrologically connected to, nor were any located within 50 meters of any mapped NYSDEC-regulated wetland. Therefore, none of the wetlands on the Study Site should currently be considered a NYSDEC-regulated wetland.

However, NYSDEC has issued draft regulations on July 10, 2024, proposing revisions to Freshwater Wetlands Regulations, 6 CRR-NY Part 664, which defines how wetlands are designated for regulation under the Freshwater Wetlands Act. The definition of regulated wetlands is due to change on January 1, 2025, and again on January 1, 2028. The primary change to the definition of regulated wetland will be that wetlands will no longer need to be depicted on state freshwater wetland maps, and wetlands smaller than 12.4 acres in area may be designated as Wetlands of Unusual Importance (WUI) if they meet any one or more of 11 criteria outlined under the proposed 6 CRR-NY Part 664.6:

- 1. Located in a 12-digit Hydrologic Unit Code (HUC) that meets three specific criteria that indicate significant flooding risk
- 2. Located in an urban area, as defined by the U.S. Census Bureau
- 3. Contains rare plants: contains a plant species occurring in fewer than 35 sites statewide, or having fewer than 5,000 individuals statewide, as documented by NYSDEC
- 4. Rare Wildlife: meets one or more of the following criteria for rare wildlife, as documented by NYSDEC:
 - Contains habitat for an essential behavior of a species listed as endangered, threatened, or special concern
 - Contains habitat for an essential behavior of a species of greatest conservation need listed in the New York State Wildlife Action Plan (Sept. 2015), with habitat loss having been identified by the department as a moderate to very high threat to New York populations.
- 5. The wetland is classified as a Class I wetland by NYSDEC.
- 6. The wetland was previously identified as a Wetland of Unusual Local Importance
- 7. Is on NYSDEC's list of vernal pools or vernal pool complexes known to be productive for amphibian breeding.
 - In the Hudson-Mohawk Region, it must have 25 or more spotted salamander egg masses, 10 or more wood frog egg masses, 20 or more Jefferson's or blue spotted, or hybrid salamander egg masses, or one or more marbled salamander egg masses.
- 8. Located in an area designated as a floodway on the most recent Digital Flood Insurance Rate Map (DFIRM) produced by the Federal Emergency Management Agency (FEMA)
- It was previously mapped by NYSDEC as a freshwater wetland before 31 December 2024
- 10. Is a wetland of local or regional significance
 - Wetland must be located within a designated Critical Environmental Area (CEA) with specific reference to wetland protection by local government, or must be located within the Adirondack Park.
- 11. It is considered important for protection of New York State's water quality

None of the wetlands on the site are currently 12.4 acres or larger (including estimated area of connected offsite wetlands), so none of the wetlands on the site are likely to be considered NYSDEC-regulated wetlands on January 1, 2025, unless they can be designated as WUI. Wetland A is 7.67 acres in area on the site, and this wetland also extends offsite. Therefore, it is large enough to meet NYSDEC's proposed regulatory criteria to be a state-regulated freshwater wetland on January 1, 2028, because it is greater than 7.4 acres in area.

Based on NYSDEC's latest (released 10 July 2024) proposed criteria for WUI designation, several wetlands on the Study Site could potentially be designated as WUI for meeting the proposed criterion for Rare Animals (§664.6(d)). Per §664.6(d)(3), a wetland may be designated as a WUI if it contains habitat for an essential behavior of a species listed as special concern. One Jefferson's salamander (*Ambystoma jeffersonianum*) egg mass was observed in Wetland M, a vernal pool, during this wetland delineation. Jefferson's salamander is a special concern

species in New York, and one egg mass was evidence of its occurrence on the Study Site. Presence of a vernal pool complex² north of Woodstock Road, including Wetlands K, L, M, N, O, and Q, could provide seasonal habitat to support dispersal of Jefferson's salamander across the landscape. However, all these vernal pools dried prematurely (by 23 May), such that amphibian egg masses observed in Wetlands M (15 spotted salamander [*Ambystoma maculatum*] egg masses and 1 Jefferson's salamander egg mass) and Q (17 spotted salamander egg masses) were unable to hatch or develop into larval salamanders, and wood frog tadpoles were left stranded. Therefore, none of these pools should be considered as providing habitat that supports breeding or reproduction as an essential behavior for this species.

Additionally, none of the vernal pools in this complex should be considered as "productive for amphibian breeding" as defined under §664.6(g). A vernal pool is known to be productive for amphibian breeding within a region of the State where the department has determined one or more of the following exist in a particular vernal pool or vernal pool complex: (1) in the Hudson-Mohawk Region, 25 or more Spotted Salamander egg masses, or 10 or more Wood Frog egg masses." Although 25 or more spotted salamander egg masses were found within a vernal pool complex, none were able to hatch or reach maturity due to short hydroperiod (time of inundation). Therefore, the pool complex was non-productive for amphibian breeding.

4.3.3 Town-Regulated Wetlands

The Town of Washington regulates 10 wetlands on the Study Site: Wetlands A, C, E, F, G, H, I, J, O, and P. Wetlands A, C, E, H, and I also have 100-foot regulated adjacent areas (also called buffers, or controlled areas). Wetlands F, G, J, O, and P have 50-foot regulated adjacent areas. If any development activities are proposed within these wetlands or regulated buffers they would require a wetland permit from the Town of Washington.

5. CONCLUSIONS

5.1 Wetland Communities Identified

Edgewood identified eighteen (18) wetlands within the Study Site. Locations and approximate extent of the wetlands identified on the Study Site are depicted in *Figure 9. Wetlands and Waters.* Wetlands on the Study Site included broad-leafed deciduous forested wetlands, scrubshrub wetlands, emergent marshes, wet meadows, eutrophic ponds, and vernal pools.

5.2 Wetland Jurisdictional Determinations

None of the wetlands on the Study Site should currently be federal or state-regulated wetlands, but ten (10) are regulated by the Town of Washington. One wetland, Wetland A, could be eligible to become a NYSDEC-regulated wetland in 2028, due to its area being greater than 7.4 acres. If any of the smaller wetlands on the Study Site are documented by NYSDEC to support the essential behavior of a listed endangered, threatened, or special concern species, or a species of greatest conservation need, then they may be subject to NYSDEC regulation as a WUI under the amended regulations scheduled for implementation by 1 January 2025. Wetland boundaries and jurisdictional determinations outlined herein are based on the best professional

² defined under 6 CRR-NY Part 664.2(ah) as, "a grouping of individual vernal pools in which each pool is 50 meters (approximately 164 feet) or less from at least one other vernal pool in the grouping"

judgement of Edgewood. They are subject to review and concurrence of the respective regulatory agencies before they can be considered official.

APPENDIX A WETLAND DETERMINATION DATA FORMS



Edgewood Environmental Consulting, LLC

Thinking outside.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/29/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLA 1
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): plain Local	relief (concave, convex, none): concave Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.809331°	Long: -73.706681° Datum: WGS84
Soil Map Unit Name: MnA-Massena silt loam, 0-3 percent slopes	NWI classification: PSS1B
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures	here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators:		<u> </u>	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is requ	Surface Soil Cracks (B6)					
X Surface Water (A1)	Drainage Patterns (B10)					
X High Water Table (A2)	Moss Trim Lines (B16)					
X Saturation (A3)						
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	_	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	_	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)	_	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (E	7) Other (Explain in Remarks)	_	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface	B8)	_	X FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes x	No Depth (inches): 1					
Water Table Present? Yes x	No Depth (inches): 9					
	nd Hydrology Present? Yes X No					
Saturation Present? Yes x	No Depth (inches):0	Wetland	Hydrology Present? Yes X No			
Saturation Present? Yes x (includes capillary fringe)	No Depth (inches): 0	Wetland	Hydrology Present? Yes X No			
			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe)			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			· · · · · · · · · · · · · · · · · · ·			

VEGETATION – Use scientific names of plants.

Sampling Point: WLA 1

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant
4				Species Across All Strata: 3 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species X 1 = 30
1. Red Osier	15	Yes	OBL	FACW species 90 x 2 = 180
2. Salix discolor	20	Yes	FACW	FAC species 0 x 3 = 0
3. Alnus incana	5	No	FACW	FACU species 0 x 4 = 0
4. Rosa palustris	5	No	OBL	UPL species x 5 =0
5. Spiraea tomentosa	5	No	FACW	Column Totals: 120 (A) 210 (B)
6.				Prevalence Index = B/A = 1.75
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	60	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$
2. Typha latifolia	5	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Asclepias incarnata	5	No	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				_
3.				Hydrophytic Versteller
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				1
	ale sheet.)			

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (in shas)	Matrix	0/		x Featur		1 2	Tautura	Demerter
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	7.5YR 4/1	70	7.5YR 4/3	30	C	M	Loamy/Clayey	Distinct redox concentrations
4-14	7.5YR 4/1	95	7.5YR 5/4	5	С	М	Loamy/Clayey	Distinct redox concentrations
¹ Type: C=Co	ncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil I								or Problematic Hydric Soils ³ :
Histosol	· · ·		Polyvalue Belo		ice (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
Black His	ipedon (A2) stic (A3)		MLRA 149B) Thin Dark Surfa	,) (LRR R	. MLRA		rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			-		rk Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mai	nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matrix					nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		,			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					rent Material (F21)
	edox (S5) Matrix (S6)		<u>?</u> Redox Depress Marl (F10) (LR)		8)			allow Dark Surface (F22) Explain in Remarks)
	face (S7)			Γ Γ, Ε)				
³ Indicators of	hydrophytic vegetat	ion and v	/etland hydrology mι	ust be p	resent, u	nless dis	turbed or problematic.	
	ayer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/29/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLA 2
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): plain Local	relief (concave, convex, none): concave Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.809899°	Long: -73.706731° Datum: WGS84
Soil Map Unit Name: MnA-Massena silt loam, 0-3 percent slopes	NWI classification: PSS1B
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedure	s here or in a separate report.)	

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Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)		
Surface Water (A1) Water-Stained Leaves (B9)	Drainage Patterns (B10)		
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)		
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)		
Field Observations:			
Surface Water Present? Yes No x Depth (inches):			
Water Table Present? Yes x No Depth (inches): 9			
Saturation Present? Yes x No Depth (inches): 0 Wetlar	nd Hydrology Present? Yes X No		
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	available:		
Remarks:			
Hummocks; Iphone photo 2, Flags WLA 001-080			

VEGETATION – Use scientific names of plants.

Sampling Point: WLA 2

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 50 x 1 = 50
1				FACW species 15 x 2 = 30
2.				FAC species 0 x 3 = 0
3.				FACU species $10 \times 4 = 40$
4.				UPL species 0 x 5 = 0
5.				Column Totals: 75 (A) 120 (B)
6.				Prevalence Index = $B/A = 1.60$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Juncus effusus	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Carex stricta	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Verbena hastata	5	No	FACW	data in Remarks or on a separate sheet)
4. Lythrum salicaria	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Spiraea tomentosa	5	No	FACW	
6. Scirpus cyperinus	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Onoclea sensibilis	5	No	FACW	Definitions of Vegetation Strata:
8. Luzula multiflora	10	No No	FACU	_
9.	10	NU	TACO	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				diameter at breast height (DDH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2			·	Hydrophytic
3		·		Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation of the sep	rate sheet.)			

	• •	to the de	•			ator or c	onfirm the absence of ir	ndicators.)	
Depth (inches)	Matrix			x Featur		<u> </u>	Tautura	Demerica	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²		Remarks	
0-10	10YR 4/1	90	10YR 4/6	10	C	M	Loamy/Clayey	Prominent redox concentrations	
10-16	10YR 4/2	60	10YR 4/4	40	С	М	Loamy/Clayey	Distinct redox concentrations	
					·		·		
					·				
		etion, RM	M=Reduced Matrix, M	/IS=Mas	sked Sand	d Grains.		Pore Lining, M=Matrix.	
Hydric Soil I				2	(20) (Problematic Hydric Soils ³ :	
Histosol	(A1) ipedon (A2)		Polyvalue Belo MLRA 149B		ice (58) (LRR K,		(A10) (LRR K, L, MLRA 149B) rie Redox (A16) (LRR K, L, R)	
Black His			Thin Dark Surfa	,) (LRR R	. MLRA		y Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S		, ,		· · · · · · · · · · · · · · · · · · ·	Below Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky I			-		Surface (S9) (LRR K, L)	
	Below Dark Surface	: (A11)	Loamy Gleyed		(F2)			anese Masses (F12) (LRR K, L, R)	
	rk Surface (A12)		X Depleted Matrix					Floodplain Soils (F19) (MLRA 149B)	
	Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 14 Sandy Gleyed Matrix (S4)Depleted Dark Surface (F7)Red Parent Material (F21)								
	leyed Matrix (S4) edox (S5)		2 Depleted Dark ? Redox Depress						
	Matrix (S6)		Marl (F10) (LR				Other (Explain in Remarks)		
Dark Surface (S7)									
		ion and v	vetland hydrology mu	ust be p	resent, u	nless dis	turbed or problematic.		
	.ayer (if observed):								
Type:									
Depth (ir	iches):						Hydric Soil Present?	Yes <u>X</u> No	
Remarks: Refusal at 16	SII								
Relusaration									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Clear Property, 51	5 Woodstock Road, Millb	orook City/Cou	unty: <u>T/o Was</u>	hington/Dutches	s Sa	mpling Date:	04/29/24
Applicant/Owner: Tim and Jo	ohna Clear			State:	NY S	Sampling Poir	nt: WLA 3-WET
Investigator(s): M.S. Fishman			Section, Tow	/nship, Range: <u>N</u>	/A		
Landform (hillside, terrace, etc.):	Plain	Local relief (cor	ncave, conve	k, none): <u>concave</u>	e	Slop	e %:
Subregion (LRR or MLRA): LRF	R R, MLRA 144A Lat:	41.810702°	Long:	-73.706780°		Datum:	WGS84
Soil Map Unit Name: MnA-Mass	sena silt loam, 0-3 percer	nt slopes		NWI classifi	cation: <u>Pl</u>	EM1	
Are climatic / hydrologic condition	ns on the site typical for t	his time of year?	Yes X	No	(If no, expl	lain in Remarl	ks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Norm	al Circumstances	s" present	? Yes X	No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed	, explain any ans	wers in Re	marks.)	
SUMMARY OF FINDINGS	6 – Attach site map	showing sampling p	oint locat	ions, transec	ts, impo	ortant featu	ures, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures	here or in a separate report.)	

HYDROLOGY

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Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	red; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No x Depth (inches):	
Water Table Present? Yes x	No Depth (inches): 1	
Saturation Present? Yes x	No Depth (inches): 0 W	etland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspection	s), if available:
Iphone photo 3, Flags WLA 001-080		
Remarks:		

VEGETATION – Use scientific names of plants.

Sampling Point: WLA 3-WET

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>10 m</u>) 1.	% Cover	Species?	Status	Dominance Test worksheet:
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3 4				Total Number of Dominant Species Across All Strata: 2 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 90 x 1 = 90
1			OBL	FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 90 (A) 90 (B)
6.				Prevalence Index = $B/A = 1.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Juncus effusus	45	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Carex stricta		Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				_
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>5 m</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				1

(inches)	Depth Matrix		Redox Features					
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	7.5YR 5/1	85	7.5YR 4/4	15	С	М	Loamy/Clayey	Distinct redox concentrations
		·						
		·						
		·					·	
17			De duce d Mateix M				21	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains Hydric Soil Indicators:						² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :		
Histosol (A1			Polyvalue Belov	w Surfa	co (S8) (I			ick (A10) (LRR K, L, MLRA 149B)
Histic Epipe			MLRA 149B)		ce (00) (i	,		rairie Redox (A16) (LRR K, L, R)
Black Histic			Thin Dark Surfa		(LRR R	MLRA 1		icky Peat or Peat (S3) (LRR K, L, R)
Hydrogen S		i I	High Chroma S					e Below Surface (S8) (LRR K, L)
Stratified La			Loamy Mucky M			-		rk Surface (S9) (LRR K, L)
Depleted Bo	elow Dark Surface (A	A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
	Surface (A12)		X Depleted Matrix	(F3)				nt Floodplain Soils (F19) (MLRA 149E
	ky Mineral (S1)		Redox Dark Su	•	,			podic (TA6) (MLRA 144A, 145, 149B
	ved Matrix (S4)		Depleted Dark					ent Material (F21)
Sandy Redo			? Redox Depress		8)			allow Dark Surface (F22)
Stripped Ma Dark Surfac			Marl (F10) (LR	Κ Κ, L)			Other (E	xplain in Remarks)
	26 (37)							
³ Indicators of h	vdrophytic vegetation	n and we	etland hydrology mu	st be p	esent. u	nless dist	urbed or problematic.	
	/er (if observed):			<u>ot oo p</u> .	000111, 0.			
Туре:								
Depth (inch	ies):						Hydric Soil Prese	nt? Yes X No
Remarks:	,							

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/29/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLA Upl
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): slope Local r	elief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.809452°	Long: <u>-73.706403°</u> Datum: <u>WGS84</u>
Soil Map Unit Name: MnA-Massena silt loam, 0-3 percent slopes	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	ed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problemation	tic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:						
d; check al	that apply)		Surface Soil Cracks (B	6)		
Water	Stained Leaves (B9)		Drainage Patterns (B1	0)		
Aquati	c Fauna (B13)		Moss Trim Lines (B16)			
Marl D	eposits (B15)		Dry-Season Water Table (C2)			
Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)						
Drift Deposits (B3) Presence of Reduced Iron (C4)						
Sparsely Vegetated Concave Surface (B8)						
No x	Depth (inches):					
	• • • •					
		Wetlan	/etland Hydrology Present? Yes No			
			, ,,			
itoring well,	aerial photos, previous inspe	ections), if	available:			
	Water- Aquati Marl D Hydrog Oxidiz Preser Recen Thin M Other) No x No x	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks)) No x Depth (inches): No x Depth (inches):	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)) No x No x No x No x No x No x Depth (inches): Wetland	Water-Stained Leaves (B9) Drainage Patterns (B1 Aquatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) Dry-Season Water Tat Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on A Presence of Reduced Iron (C4) Stunted or Stressed Pl Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Microtopographic Relief No x No x Depth (inches):		

Sampling Point: WLA Upl

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>10 m</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer nigrum	60	Yes	FACU	Number of Dominant Species
2. Quercus rubra	10	No	FACU	That Are OBL, FACW, or FAC:(A)
3. Fraxinus americana	20	Yes	FACU	Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5		·		Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7		=Total Cover		Prevalence Index worksheet: Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)	90			
/	30	Voo	FACU	
	•	Yes	FACU	
	-			FAC species 0 $x = 0$
3.				FACU species 140 x 4 = 560
4.				UPL species 0 $x = 0$
5.				Column Totals: 140 (A) 560 (B)
6.				Prevalence Index = B/A = 4.00
7		Total Causer		Hydrophytic Vegetation Indicators:
Ligh Charter (Distaire)	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)	10		54011	2 - Dominance Test is >50%
1. Anthoxanthum odoratum	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
 <u>Taraxacum officinale</u> <u></u> 		Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5	1			¹ Indicators of hydric soil and wetland hydrology must
6	,			be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8	٠			Tree – Woody plants 3 in. (7.6 cm) or more in
9	,			diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	20	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines - All woody vines greater than 3.28 ft in
1				height.
2		·		Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix Color (moist) 10YR 3/6			V Lootur						
		%	Color (moist)	x Featur %	Type ¹	Loc ²	Texture		Remark	S
0-8 	10YR 3/6			/0						
		100			С	M	Loamy/Clayey		refusal a	t 8"
<u> </u>										
······										
·										
		—								
	ntration D-Denl	etion RM-	Reduced Matrix, N		ked San	Grains	² Location: F	PL=Pore Linir	a M-Mat	riv
Hydric Soil Indic				10-11103	Keu Oan			or Problema		
Histosol (A1)			Polyvalue Belo	w Surfa	ce (S8) (RR R.		uck (A10) (LF	-	
Histic Epiped		-	MLRA 149B		00 (00) (,		rairie Redox		
Black Histic (Thin Dark Surf	,) (LRR R	MLRA 1				(LRR K, L, R)
Hydrogen Su		-	High Chroma					ue Below Sur		
Stratified Lay		-	Loamy Mucky			-		rk Surface (S		
	ow Dark Surface	e (A11)	Loamy Gleyed							(LRR K, L, R)
Thick Dark S	urface (A12)		Depleted Matri	x (F3)			Piedmor	nt Floodplain	Soils (F19) (MLRA 149B
Sandy Mucky	/ Mineral (S1)		Redox Dark S	urface (F	⁻ 6)		Mesic S	podic (TA6) (MLRA 14	4A, 145, 149B)
Sandy Gleye	d Matrix (S4)	-	Depleted Dark	Surface	e (F7)		Red Par	rent Material	(F21)	
Sandy Redox	< (S5)	-	Redox Depres	sions (F	8)		Very Sh	allow Dark S	urface (F2	2)
Stripped Mat	rix (S6)	-	Marl (F10) (LR	R K, L)			Other (E	Explain in Rer	narks)	
Dark Surface	e (S7)									
		ion and we	etland hydrology m	ust be p	resent, u	nless dist	urbed or problematic.			
Restrictive Laye	r (if observed):									
Туре:										
Depth (inches	s):						Hydric Soil Prese	nt?	/es	No <u>X</u>
Remarks:										

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/29/24						
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLB-WET						
Investigator(s): M.S. Fishman	Section, Township, Range: N/A						
Landform (hillside, terrace, etc.): basin Lo	ocal relief (concave, convex, none): concave Slope %:						
Subregion (LRR or MLRA): <u>LRR R, MLRA 144A</u> Lat: <u>41.811257°</u>	Long: <u>-73.709751°</u> Datum: <u>WGS84</u>						
Soil Map Unit Name: NwC-Nassau-Cardigan Complex, rolling, very rocky NWI classification:							
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrologysignificantly d	listurbed? Are "Normal Circumstances" present? Yes X No						
Are Vegetation, Soil, or Hydrologynaturally prob	elematic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report)						
No egg masses observed							

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requir	ed; check all that apply)		Surface Soil Cracks (B6)	
X Surface Water (A1)		Drainage Patterns (B10)		
High Water Table (A2)		Moss Trim Lines (B16)		
X Saturation (A3)	? Dry-Season Water Table (C2)			
Water Marks (B1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes x	No Depth (inches): 24			
Water Table Present? Yes x	No Depth (inches): 13			
Saturation Present? Yes x	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No	
(includes capillary fringe)	No Depth (inches):	Wetland	d Hydrology Present? Yes X No	
(includes capillary fringe)				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Photo 2809, Flags WLB 001-012				

Sampling Point: WLB-WET

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover	,	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 45 x 1 = 45
1				FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 45 (A) 45 (B)
6.				Prevalence Index = $B/A = 1.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:1 m)				X 2 - Dominance Test is >50%
1. Juncus effusus	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Carex stricta	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus cyperinus	5	No	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8			,	Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>5 m</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
		·	·	
2				Hydrophytic
				Vegetation Present? Yes X No
4		=Total Cover		Present? Yes X No
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

inches)	Color (moist) 10YR 6/3 10YR 6/1 10YR 6/1	<u>%</u> 90 85 90	Color (moist) 10YR 3/3 10YR 5/4 10YR 5/4	% 10 15 10	Type1 C C C	<u>Loc²</u> <u>M</u> <u>M</u>	Texture Loamy/Clayey Loamy/Clayey Loamy/Clayey	Remarks Distinct redox concentrations Distinct redox concentrations Distinct redox concentrations
3-12	10YR 6/1	85	10YR 5/4	15	С	М	Loamy/Clayey	Distinct redox concentrations
	10YR 6/1	·	10YR 5/4				Loamy/Clayey	Distinct redox concentrations
 		·						
		·						
		_						
Type: C=Cond Iydric Soil Ind		etion, RM	=Reduced Matrix, N	/IS=Masl	ked San	d Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Stratified Li Depleted B Thick Dark Sandy Muc Sandy Gley Sandy Red Stripped M Dark Surfac	c (A3) Sulfide (A4) ayers (A5) elow Dark Surface Surface (A12) ky Mineral (S1) yed Matrix (S4) ox (S5) atrix (S6) ce (S7)		MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR etland bydrology mi	, ace (S9) Sands (S Mineral (Matrix (I x (F3) urface (F Surface sions (F{ R K, L)	(F1) (LR (F1) (LR F2) (6) (F7) 3)	R K, L) R K, L)	I49B) 5 cm Muc Polyvalue Thin Dark Iron-Mang Piedmont Mesic Sp Red Pare Very Sha	airie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) ganese Masses (F12) (LRR K, L, F t Floodplain Soils (F19) (MLRA 149 podic (TA6) (MLRA 144A, 145, 149) ent Material (F21) allow Dark Surface (F22) kplain in Remarks)
Restrictive Lay	yer (if observed):			<u></u>				
Type: Depth (inch	nes):						Hydric Soil Presen	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear Property	v, 515 Woodstock Road, Millbrook	City/County: T/o Wa	shington/Dutchess	Sampling Date: 04/29/24
Applicant/Owner: Tim a	nd Johna Clear		State: NY	Sampling Point: WLB-UPL
Investigator(s): M.S. Fishma	an	Section, Tov	vnship, Range: <u>N/A</u>	
Landform (hillside, terrace, e	tc.): slope	Local relief (concave, conve	x, none): <u>slope</u>	Slope %:
Subregion (LRR or MLRA):	LRR R, MLRA 144A Lat: 41.811289	° Long:	-73.709772°	Datum: WGS84
Soil Map Unit Name: NwC-	Nassau-Cardigan Complex, rolling, very	rocky	NWI classification:	UPL
Are climatic / hydrologic cond	ditions on the site typical for this time of	year? Yes <u>X</u>	No (If no, e	explain in Remarks.)
Are Vegetation, Soil	, or Hydrologysignificantl	y disturbed? Are "Norm	al Circumstances" pres	ent? Yes X No
Are Vegetation, Soil	, or Hydrologynaturally p	roblematic? (If needed	l, explain any answers ir	n Remarks.)
SUMMARY OF FINDIN	IGS – Attach site map showing	g sampling point locat	ions, transects, im	portant features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>x</u> No <u>x</u> No <u>x</u>	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required	Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Room	ts (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils ((C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)			FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes I	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches):			
			d Hydrology Present? Yes <u>No X</u>	
(includes capillary fringe)			· · · · · · · · · · · · · · · · · · ·	
Describe Recorded Data (stream gauge, monited	oring well, aerial photos, previous inspect	tions), if a	available:	
Photo 2810, Flags WLB 001-012				
Remarks:				

Sampling Point: WLB-UPL

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	20	Yes	FACU	Number of Dominant Species
2. Quercus alba	20	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)
 Fraxinus americana 	30	Yes	FACU	Total Number of Dominant Species Across All Strata: <u>5</u> (B)
5. 6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Rhamnus cathartica	10	No	FAC	FACW species $0 x 2 = 0$
2. Lonicera tatarica	80	Yes	FACU	FAC species $10 \times 3 = 30$
3.				FACU species 160 x 4 = 640
			·	UPL species $0 \times 5 = 0$
				Column Totals: 170 (A) 670 (B)
				Prevalence Index = $B/A = 3.94$
		·		Hydrophytic Vegetation Indicators:
7		Total Causar		
	90	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1. <u>Anthoxanthum odoratum</u>	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2		·		4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3		·		
4		·		Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.		·		Hydrophytic
		·		Vegetation
4				Present? Yes No _ X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des Depth	cription: (Describe 1 Matrix	to the de		u ment t x Featui		ator or c	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-8	N 2.5/	70	N 2.5/	30	С	М	Loamy/Clayey	Distinct redox co	oncentrations
1	·				·				
	·								
	·								
	·								
	·								
1	·								
¹ Type: C=C	Concentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked San	d Grains.	² Location: PL	_=Pore Lining, M=Ma	atrix.
Hydric Soil	Indicators:						Indicators fo	r Problematic Hydr	ic Soils ³ :
Histoso	l (A1)		Polyvalue Belo	w Surfa	ice (S8) (LRR R,		ck (A10) (LRR K, L,	
	pipedon (A2)		MLRA 149B					airie Redox (A16) (L l	
	listic (A3)		Thin Dark Surf					cky Peat or Peat (S3	
	en Sulfide (A4)		High Chroma S			-		Below Surface (S8)	
	d Layers (A5)	(() () ()	Loamy Mucky			R K, L)		CSurface (S9) (LRR	
	d Below Dark Surface	e (A11)	Loamy Gleyed		(FZ)			ganese Masses (F12	
	ark Surface (A12) Mucky Mineral (S1)		Depleted Matri Redox Dark Su		=6)			t Floodplain Soils (F [.] odic (TA6) (MLRA 1	
	Gleyed Matrix (S4)		Depleted Dark	•				ent Material (F21)	44A, 143, 143D)
	Redox (S5)		Redox Depress					llow Dark Surface (F	22)
	d Matrix (S6)		Marl (F10) (LR		-,			plain in Remarks)	/
	urface (S7)			. ,			、	,	
³ Indicators of	of hydrophytic vegetat	ion and w	etland hydrology mu	ust be p	resent, u	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:									
Depth (i	inches):						Hydric Soil Presen	t? Yes	<u>No X</u>
Remarks:									

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/30/24				
Applicant/Owner:Tim and Johna Clear	State: NY Sampling Point: wLC1-WET				
Investigator(s): M.S. Fishman	Section, Township, Range: N/A				
Landform (hillside, terrace, etc.):	relief (concave, convex, none):Slope %:				
	Long: -73.709878° Datum: WGS84				
Soil Map Unit Name: W-Water	NWI classification: PEM1/SS1				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly distur					
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes X No	within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.) No egg masses present					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
X Surface Water (A1) Water-Stained Leaves (
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2)Oxidized Rhizospheres (
Drift Deposits (B3) Presence of Reduced In					
	in Tilled Soils (C6) Geomorphic Position (D2) 7) Shallow Aquitard (D3)				
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes X No Depth (inches):	: 2				
Water Table Present? Yes X No Depth (inches):					
Saturation Present? Yes X No Depth (inches):					
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre Photo 2811	evious inspections), if available:				
Remarks:					

Sampling Point: WLC1-WET

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3.				
4.				Total Number of DominantSpecies Across All Strata:44
5.				Baraant of Dominant Spacing
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 65 x 1 = 65
1. Red Osier	50	Yes	OBL	FACW species 30 x 2 = 60
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 95 (A) 125 (B)
6.				Prevalence Index = $B/A = 1.32$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Rhododendron viscosum	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Carex stricta	15	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Onoclea sensibilis	10	Yes	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>5 m</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
				Vegetation Present? Yes X No
4		=Total Cover		Present? Yes X No
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			,
Phramites-small patch near road				

Profile Des Depth	cription: (Describe Matrix	to the de		u ment t x Featur		ator or c	onfirm the absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-3	10YR 3/2	100			С	М	Sandy	Distinct redox concentrations	
3-7	10YR 3/2	90	10YR 3/6	10	С	M	Sandy	Prominent redox concentrations	
7-18	2.5Y 4/2	60	2.5Y 5/6	20	С	М	Sandy	Prominent redox concentrations	
			2.5Y 5/6	10					
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked San	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil		,						or Problematic Hydric Soils ³ :	
Histoso	l (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)	
Histic E	pipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)	
	istic (A3)		Thin Dark Surf					icky Peat or Peat (S3) (LRR K, L, R)	
	en Sulfide (A4)		High Chroma S			-		e Below Surface (S8) (LRR K, L)	
	d Layers (A5)		Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)	
	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)	
	ark Surface (A12)		Depleted Matri					nt Floodplain Soils (F19) (MLRA 149B)	
	Mucky Mineral (S1)		Redox Dark Su	•	,			podic (TA6) (MLRA 144A, 145, 149B)	
	Gleyed Matrix (S4)		Depleted Dark					ent Material (F21)	
	Redox (S5)		Redox Depress		8)		Very Shallow Dark Surface (F22)		
	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)	
Dark Su	ırface (S7)								
³ Indicators o	of hydrophytic vegetat	ion and w	etland hydrology mu	ust be p	resent, u	nless dis	turbed or problematic.		
	Layer (if observed):								
Type: Depth (i							Hydric Soil Prese	at2 Vac V Na	
							Hydric Soli Presel	nt? Yes <u>X</u> No	
Remarks:									

Project/Site: Clear Property, States Clear Property, States Clear Property, States Project/Sites Pro	515 Woodstock Road, Mil	Ilbrook City/C	County: T/o Washington/Dutchess	Sampling Date: 04/30/24			
Applicant/Owner: Tim and	d Johna Clear		State: NY	Sampling Point: WLC 2			
Investigator(s): M.S. Fishman	1		Section, Township, Range: N/A				
Landform (hillside, terrace, etc.	.):	Local relief (concave, convex, none):	Slope %:			
Subregion (LRR or MLRA):	RR R, MLRA 144A Lat:	: 41.811381°	Long: <u>-73.710854</u> °	Datum: WGS84			
Soil Map Unit Name: W-Wate	ər		NWI classificatio	n: PEM1			
Are climatic / hydrologic condit	ions on the site typical for	r this time of year?	Yes X No (If no	o, explain in Remarks.)			
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pro	esent? Yes X No			
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answers	in Remarks.)			
SUMMARY OF FINDING	SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Prese	ent? Yes <u>X</u>	No Is ti	he Sampled Area				
Hydric Soil Present?	Yes X		hin a Wetland? Yes <u>X</u>	No			
Wetland Hydrology Present?	Yes <u>X</u>	No If ye	es, optional Wetland Site ID:				
Remarks: (Explain alternative	e procedures here or in a	separate report.)					

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two	o required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)	
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)	
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Image	ery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (E	(8)	X FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes X	No Depth (inches): 4		
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes	× No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	tions), if available:	
Photo 2812, pond photo 2813, Flags WLC 0	01-084		
Remarks:			
Relliaiks.			
Emergent marsh			

Sampling Point: WLC 2

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3		·		Total Number of Dominant
4.				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 80 x 1 = 80
1				FACW species <u>5</u> x 2 = <u>10</u>
2.				FAC species 0 x 3 = 0
3.				FACU species $0 x 4 = 0$
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 85 (A) 90 (B)
				Prevalence Index = $B/A = 1.06$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
	20	Vee	OBL	
1. Juncus effusus		Yes		X_3 - Prevalence Index is ≤3.0 ¹
2. <u>Carex stricta</u>	50	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Lythrum salicaria	5	No	OBL	
4. Verbena hastata	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Scirpus cyperinus	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8		·		Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Demarka, (Include photo numbero haro er en e eno				
Remarks: (Include photo numbers here or on a sepa	rate sneet.)			

Profile Desc	ription: (Describe	to the de				ator or c	onfirm the absence o	of indicators.)	
Depth	Matrix			x Featur		. 2			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-5	10YR 3/2	100			<u> </u>	M	Loamy/Clayey	Distinct redox concentrations	
5-12	10YR 3/2	100			С	Μ	Loamy/Clayey		
12-17	2.5Y 6/1	80	7.5YR 4/6	20	С	M	Loamy/Clayey	Prominent redox concentrations	
17-20	10YR 2/1	100			С	M	Peat		
¹ Type: C=Co	ncentration, D=Depl	letion RM		/S=Mas	ked San	Grains	² Location: F	PL=Pore Lining, M=Matrix.	
Hydric Soil I								or Problematic Hydric Soils ³ :	
Histosol			Polyvalue Belo		ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)	
Black His	n Sulfide (A4)		Thin Dark Surf High Chroma S					ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky			-		rk Surface (S9) (LRR K, L)	
	Below Dark Surface	e (A11)	Loamy Gleyed			(I (, L)		nganese Masses (F12) (LRR K, L, R)	
	rk Surface (A12)		X Depleted Matri		,		Piedmont Floodplain Soils (F19) (MLRA 149B)		
	ucky Mineral (S1)		 Redox Dark Su		-6)		? Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy G	eyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Material (F21)		
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)		
Dark Sur	face (S7)								
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, u	nless dist	turbed or problematic.		
Restrictive L	ayer (if observed):								
Type:									
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No	
Remarks:									

Project/Site: Clear Property, 515	Woodstock Road, Mi	llbrook	City/County: T/o Washington/Dutchess	Sampling Date: 04/29/24
Applicant/Owner: Tim and Joh	na Clear		State: NY	Sampling Point: WLC-UPL
Investigator(s): M.S. Fishman			Section, Township, Range: N/A	
Landform (hillside, terrace, etc.):		Local	relief (concave, convex, none):	Slope %:
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	41.811678°	Long: <u>-73.709807°</u>	Datum: WGS84
Soil Map Unit Name: W-Water			NWI classification:	UPL
Are climatic / hydrologic conditions	on the site typical for	this time of year?	Yes X No (If no,	explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Normal Circumstances" pres	ent? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problema	atic? (If needed, explain any answers in	ו Remarks.)
SUMMARY OF FINDINGS	 Attach site may 	p showing sam	pling point locations, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes	No <u>X</u>	Is the Sampled Area	
Hydric Soil Present?	Yes	No X	within a Wetland? Yes	No
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:	

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	3)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes		and Hydrology Present? Yes No X
(includes capillary fringe)		
	itoring well, aerial photos, previous inspections),	if available:
Photo 2814, Flags WLC 001-084		
Remarks:		
Lawn		

Sampling Point: WLC-UPL

· · · · ·	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:			
1				Number of Dominant Species			
2				That Are OBL, FACW, or FAC:(A)			
3				Total Number of Dominant			
4				Species Across All Strata: 4 (B)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: 0.0% (A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species x 1 =			
				FACW species 0 x 2 = 0			
2.				FAC species x 3 =			
3				FACU species <u>85</u> x 4 = <u>340</u>			
4.				UPL species x 5 =			
5				Column Totals: 85 (A) 340 (B)			
6				Prevalence Index = B/A =4.00			
7				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%			
1. Anthoxanthum odoratum	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
2. Taraxacum officinale	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting			
3. Glechoma hederacea	15	Yes	FACU	data in Remarks or on a separate sheet)			
4. Plantago major	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Festuca altaica	30	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must			
6.				be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8				Tree – Woody plants 3 in. (7.6 cm) or more in			
9.				diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
11.				and greater than or equal to 3.28 ft (1 m) tall.			
12.				Herb – All herbaceous (non-woody) plants, regardless			
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2.				-			
3.				Hydrophytic Versetation			
4.				Vegetation Present? Yes NoX			
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa				1			

Profile Desc Depth	cription: (Describe Matrix	to the dep		u ment tl x Featur		ator or c	onfirm the absence o	f indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 4/3	100			С	М	Loamy/Clayey	Distinct redox concentrat	tions	
6-12	10YR 5/2	100			С	М	Loamy/Clayey			
			2 EV E/6	10				Drominant raday concentr	otiono	
12-18	2.5Y 5/2	90	2.5Y 5/6	10	<u> </u>	M	Loamy/Clayey	Prominent redox concentra	ations	
		·								
		·								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	IS=Mas	ked San	d Grains.		L=Pore Lining, M=Matrix.		
Hydric Soil								or Problematic Hydric Soils ³		
Histosol			Polyvalue Belo		ce (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 14		
Black Hi	bipedon (A2)		MLRA 149B Thin Dark Surf	,		MIDA		rairie Redox (A16) (LRR K, L, icky Peat or Peat (S3) (LRR K	,	
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K		
	d Layers (A5)		Loamy Mucky			-		rk Surface (S9) (LRR K, L)	, L /	
	d Below Dark Surface	e (A11)	Loamy Gleyed			i (i (, ⊑)		nganese Masses (F12) (LRR I	K. L. R)	
	ark Surface (A12)	- ()	Depleted Matri		_,			nt Floodplain Soils (F19) (MLR		
	lucky Mineral (S1)		Redox Dark Su		6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	Gleyed Matrix (S4)		Depleted Dark	•	,		Red Parent Material (F21)			
Sandy R	edox (S5)		Redox Depress	sions (F	B)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)			
Dark Su	rface (S7)									
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pr	esent, u	nless dist	urbed or problematic.			
	Layer (if observed):									
Type: Depth (ir	nches):						Hydric Soil Prese	nt? YesNo	Х	
Remarks:								<u> </u>		
rtemanto.										

Project/Site: Clear Property, 515 Woodstor	ck Road, Millbrook City/Co	ounty: T/o Washington/Dutchess	Sampling Date: 04/30/24		
Applicant/Owner: Tim and Johna Clear		State: NY	Sampling Point: WLD-WET		
Investigator(s): M.S. Fishman		Section, Township, Range: N/A			
Landform (hillside, terrace, etc.): basin	Local relief (c	oncave, convex, none): concave	Slope %:		
Subregion (LRR or MLRA): LRR R, MLRA	144A Lat: 41.810592°	Long: -73.711150°	Datum: WGS84		
Soil Map Unit Name: NwC-Nassau-Cardiga	an complex, rolling, very rocky	NWI classification	n: PFO1/UB3C		
Are climatic / hydrologic conditions on the si	te typical for this time of year?	Yes X No (If no	explain in Remarks.)		
Are Vegetation, Soil, or Hyd	rology significantly disturbed?				
Are Vegetation, Soil, or Hyd		(If needed, explain any answers			
SUMMARY OF FINDINGS – Attack			,		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No with	e Sampled Area in a Wetland? Yes X s, optional Wetland Site ID:	No		
Remarks: (Explain alternative procedures No egg masses, filamentous green algae	nere or in a separate report.)				
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)		
Primary Indicators (minimum of one is requ	ired; check all that apply)	Surface Soil Crac	ks (B6)		
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines	Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)	Dry-Season Wate	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living	g Roots (C3) Saturation Visible	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stress	ed Plants (D1)		
Algal Mat or Crust (B4)	Soils (C6) Geomorphic Posi	tion (D2)			

Thin Muck Surface (C7)

NoDepth (inches):NoDepth (inches):NoDepth (inches):

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Other (Explain in Remarks)

Depth (inches):

Depth (inches): 0

Remarks:

Possible vernal pool

Iron Deposits (B5)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

Yes X Yes X

Yes X

Photo 2815, Photos 2816 and 2817 of algae, Flags WLD 001-014

Yes X No

Shallow Aquitard (D3) Microtopographic Relief (D4)

X FAC-Neutral Test (D5)

Wetland Hydrology Present?

Sampling Point: WLD-WET

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	20	Yes	FACW	Number of Dominant Species
2. Acer rubrum	10	No	FAC	That Are OBL, FACW, or FAC: (A)
3. Carya ovata	10	No	FACU	Total Number of Dominant
4. Quercus alba	20	Yes	FACU	Species Across All Strata: 5 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 80.0% (A/B)
7.				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)	1			OBL species 75 x 1 = 75
1. Red Osier	20	Yes	OBL	FACW species 20 $x 2 = 40$
2. Cephalanthus occidentalis	40	Yes	OBL	FAC species $10 \times 3 = 30$
3.				FACU species $30 \times 4 = 120$
				$\frac{1}{100} \frac{1}{100} \frac{1}$
4 5.				Column Totals: 135 (A) 265 (B)
6				Prevalence Index = B/A = 1.96
7				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Carex stricta	15	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6	1			be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	15	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				lingit
3.				Hydrophytic
				Vegetation Present? Yes X No
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separate	ate sheet.)			

Depth	Matrix			k Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 4/1	100			С	М	Loamy/Clayey	Distinct redox concentrations
6-12	10YR 5/1	90	10YR 5/4	10	С	М	Loamy/Clayey	Distinct redox concentrations
12-18	5Y 5/1	85	10YR 4/6	15	С	M	Loamy/Clayey	Prominent redox concentrations
					_			
					—			
					_			
¹ Tvpe: C=Co	oncentration, D=Dep	etion. RM	=Reduced Matrix. M	1S=Masl	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I			,,,					for Problematic Hydric Soils ³ :
Black Hist Hydroge Stratified Depletec Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur ³ Indicators of	n Sulfide (A4) I Layers (A5) I Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed X Depleted Matrix Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR etland hydrology mu	Ace (S9) Sands (S Mineral (Matrix (I x (F3) Irface (F Surface sions (F8 R K, L)	(F1) (LR (F1) (LR F2) 6) (F7) 3)	R K, L) R K, L)	149B) 5 cm M Polyvalu Thin Da Iron-Ma Piedmo Mesic S Red Pa Very Sh	Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) ark Surface (S9) (LRR K, L) anganese Masses (F12) (LRR K, L, R) ont Floodplain Soils (F19) (MLRA 149B Spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) hallow Dark Surface (F22) Explain in Remarks)
Туре:								
Depth (ir	iches):						Hydric Soil Prese	ent? Yes <u>X</u> No
Remarks:								

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/30/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLD-UPL
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): slope Local	relief (concave, convex, none): slope Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.810608°	Long: -73.711083° Datum: WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one	e is required; check all	that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	Water-	Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)	Aquatio	c Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl De	eposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidize	ed Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presen	ice of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent	t Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin M	uck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Im	agery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave S	Surface (B8)			FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Yes	No X	Depth (inches):				
Water Table Present? Yes	No X	Depth (inches):				
Saturation Present? Yes	No X	Depth (inches):	Wetlan	nd Hydrology Present? Yes No 🔿	X	
(includes capillary fringe)						
Describe Recorded Data (stream g	auge, monitoring well,	aerial photos, previous inspe	ections), if	available:		
Photo 2818, Flags WLD 001-014						
Remarks:						
Large debris dump in SE corner wi	th many bottles and otl	her trash in pond				

Sampling Point: WLD-UPL

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fraxinus americana	10	No	FACU	Number of Dominant Species
2. Quercus rubra	20	Yes	FACU	That Are OBL, FACW, or FAC: (A)
3. <u>Carya ovata</u>	60	Yes	FACU	Total Number of Dominant
4. Betula lenta	5	No	FACU	Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	95	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species x 1 =
1. Lonicera tatarica	5	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 105 x 4 = 420
4.				UPL species $0 \times 5 = 0$
5				Column Totals: 105 (A) 420 (B)
6				Prevalence Index = $B/A = 4.00$
				Hydrophytic Vegetation Indicators:
7		=Total Cover		
Llorh Strotum (Distaire) 1 m)				1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)	_		FAOL	2 - Dominance Test is >50%
1. <u>Alliaria petiolata</u>	5	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
o				Definitions of Vegetation Strata:
8				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9 10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	5	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

(inches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-6 7.5YR 4/2 100 C M Loamy/Clayey Distinct redox concentrations 6-10 7.5YR 5/6 100 C M Loamy/Clayey	(inches) Color (moist) % Type Loc [*] Texture Remarks 0-6 7.5YR 4/2 100 C M Loamy/Clayey Distinct redox concentrations 6-10 7.5YR 5/6 100 C M Loamy/Clayey Distinct redox concentrations 10-14 7.5YR 5/6 100 C M Loamy/Clayey 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 10-12 11 10-12 10-12 10-12 10-12 10-12 11 Type: C=Concentration, D=Depletion, RM=Reduced Matr	(inches) Color (moist) % Color Type ¹ Los ⁷ Texture Remarks 0-6 7.5YR 4/2 100 C M Loamy/Clayey Distinct redox concentrations 6-10 7.5YR 5/6 100 C M Loamy/Clayey Distinct redox concentrations 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Clayey 11 7 7 Totay Image: Clayey Image: Clayey Image: Clayey 11 7	Depth	Cription: (Describe Matrix	to the dep		ument t x Featui		ator or c	onfirm the absence of i	ndicators.)	
6-10 7.5YR 5/6 100 C M Loarny/Clayey 10-14 7.5YR 5/6 100 C M Loarny/Clayey 10-12 10-14 7.5YR 5/6 100 C M 10-12 10-14 7.5YR 5/6 100 C M 10-12 10-14 10-15 10-15 10-15 10-15 11 10-12 10-14 10-15 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16 10-16	6-10 7.5YR 5/6 100 C M Loamy/Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey 10-11 10-11 C M Loamy/Clayey Indicators: 11-15 10-11 Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Sorm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 11-15 ML-11 Loamy Muck Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) <	6-10 7.5YR 5/6 100 C M Loamy/Clayey 10-14 7.5YR 5/6 100 C M Loamy/Clayey 10-11 10-11 C M Loamy/Clayey Indicators: 11-15 10-11 Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Sorm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 11-15 ML-11 Loamy Muck Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) <		Color (moist)	%				Loc ²	Texture	Rema	arks
10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Stand St	10-14 7.5YR 5/6 100 C M Loamy/Clayey Image: Construction in the second s	10-14 7.5YR 5/6 100 C M Loamy/Clayey	0-6	7.5YR 4/2	100			С	M	Loamy/Clayey	Distinct redox co	oncentrations
Image: Section Stress of Problematic Hydric Soils Image: Section	Image: Solution of the second seco	Image: Solution of the second seco	6-10	7.5YR 5/6	100			С	М	Loamy/Clayey		
Image: Section Stress of Problematic Hydric Soils Image: Section	Image: Solution of the second seco	Image: Solution of the second seco	10-14	7.5YR 5/6	100			С	M	Loamv/Clavev		
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149E) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) ************************************	Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
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Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
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Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Manga	anese Masses (F12	2) (LRR K, L, R)
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:										
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Yes No X	Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Yes No X						,				44A, 145, 149B)
Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:										
Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X						0)				-22)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? No X	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? No X					ιτι τ , Ε /					
Restrictive Layer (if observed): Type:	Restrictive Layer (if observed):	Restrictive Layer (if observed):										
Туре:	Type:	Type:				etland hydrology mι	ust be p	resent, u	nless dis	turbed or problematic.		
	Depth (inches): Yes No X	Depth (inches): Yes No X		Layer (if observed):								
Depth (inches): Yes No												
	Remarks:	Remarks:		nches):						Hydric Soil Present?	Yes	NoX

Project/Site: Clear Pro	operty, 515 Woo	odstock Road,	Millbrook	C	ity/County: T/c	<u>ט Wa</u> r	shington/Dutche	SS	Sampling Date:	04/30/24
Applicant/Owner:	Tim and Johna C	Clear					State:	NY	Sampling Point	t: WLE-WET
Investigator(s): M.S. F	ishman				Sectior	ו, Tov	wnship, Range: <u>I</u>	N/A		
Landform (hillside, terrace, etc.): swale Local relief (concave, convex, none): concave Slope %:								e %:		
Subregion (LRR or MLF	RA): <u>LRR R, M</u>	/LRA 144A I	Lat: 41.8085	j33°	Lr	ong:	-73.710561°		Datum:	WGS84
Soil Map Unit Name: I	NwC-Nassau-Ca	ardigan compl	ex, rolling, ve	ry rocky			NWI classif	fication:	PFO1E	
Are climatic / hydrologic	ic conditions on t	the site typical	I for this time	of year?	Yes	Х	No	(If no,	explain in Remark	.s.)
Are Vegetation,	, Soil, or	r Hydrology	significar	ntly disturbe	d? Are "	Norm	nal Circumstance	es" pres	sent? Yes X	No
Are Vegetation,	, Soil, or	r Hydrology	naturally	problematic	;? (If ne	∋edeď	d, explain any an	iswers ir	n Remarks.)	
SUMMARY OF FI	NDINGS – At	ttach site n	nap showi	ng sampl	ing point lo	ocat	ions, transe	cts, in	nportant featu	ires, etc.
Hydrophytic Vegetatio	on Present?	Yes	X No		Is the Sample	ed Ar	rea			

Hydric Soil Present?	Yes	X	No	within a Wetland? Yes X No If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedures	here or i	in a se	eparate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)		
Surface Water (A1) X Water-Stained Leaves (B9)	X Drainage Patterns (B10)		
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)		
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C	C3)Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	X Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)		
Field Observations:			
Surface Water Present? Yes <u>No X</u> Depth (inches):			
Water Table Present? Yes No Depth (inches):			
Saturation Present? Yes No Depth (inches): We	etland Hydrology Present? Yes X No		
Saturation Present? Yes No Depth (inches): We (includes capillary fringe)	tland Hydrology Present? Yes X No		
	· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe)	· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe)	· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections Remarks:	· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections	· · · · · · · · · · · · · · · · · · ·		
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(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections Remarks:	· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections Remarks:	· · · · · · · · · · · · · · · · · · ·		

Sampling Point: WLE-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	85	Yes	FAC	Number of Dominant Species
2.				That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6		. <u> </u>		That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	85	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 60 x 1 = 60
1		. <u> </u>		FACW species 45 x 2 = 90
2				FAC species 85 x 3 = 255
3		<u></u>		FACU species 0 x 4 = 0
4		<u></u>		UPL species 0 x 5 = 0
5				Column Totals: 190 (A) 405 (B)
6				Prevalence Index = B/A = 2.13
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Osmundastrum cinnamomeum	5	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Impatiens capensis	40	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. <u>Carex stricta</u>	60	Yes	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
	,			

		to the de				ator or c	onfirm the absence o	of indicators.)
Depth	Matrix			x Featur		. 2	-	- ·
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	7.5YR 3/1	100			С	M	Loamy/Clayey	Distinct redox concentrations
6-14	7.5YR 3/1	100			C	M	Loamy/Clayey	
I ———								
¹ Type: C=Co	ncentration, D=Dep	letion. RM	Reduced Matrix.	/IS=Mas	ked San	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil I		,	, , , ,					or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S			-		ue Below Surface (S8) (LRR K, L)
	Layers (A5)	~ (\ 1 1)	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
	Below Dark Surface rk Surface (A12)	e (ATT)	Loamy Gleyed X Depleted Matri		Γ <i>Ζ)</i>			nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		-6)			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		,			ent Material (F21)
	edox (S5)		Redox Depres					allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Sur	face (S7)							
3								
			etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
Type:	ayer (if observed):							
	- 1)							
Depth (in							Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/30/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLE UPL
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): slope Local	relief (concave, convex, none): convex Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.808513°	Long: -73.710701° Datum: WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

HYDROLOGY	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8	3)	FAC-Neutral Test (D5)					
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X					
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspe	ctions), if available:					
Photo 2820, Flags WLE 001-070							
Remarks:							
Raccoon tracks in the mud							

Sampling Point: WLE UPL

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>10 m</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer saccharum	40	Yes	FACU	Number of Dominant Species
2. Quercus rubra	30	Yes	FACU	That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant
4.				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Berberis thunbergii	5	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 80 x 4 = 320
4				UPL species 0 x 5 = 0
5.				Column Totals: 80 (A) 320 (B)
6.				Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1. Alliaria petiolata	5	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5	,			¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	5	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

(inches) Color (moist) % Color (moist) % Type* Loz* Texture Remarks 0-7 7.5YR 3/3 100 C M Loamy/Clayey Distinct redox concentrations 7-16 10YR 5/3 100 C M Loamy/Clayey Distinct redox concentrations 7-16 10YR 5/3 100 C M Loamy/Clayey Distinct redox concentrations	Profile Deso Depth	cription: (Describe Matrix	to the de		ument t x Featui		ator or c	onfirm the absence of inc	dicators.)	
7.16 10YR 5/3 100 C M Loamy/Clayey	•	Color (moist)	%				Loc ²	Texture	Rema	rks
Image: Soli Problematic RM=Reduced Matrix, MS=Masked Sand Grains. ?Location: PL=Pore Lining, M=Matrix. Indicators in the solution of the solut	0-7	7.5YR 3/3	100			С	М	Loamy/Clayey	Distinct redox co	oncentrations
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	7-16	10YR 5/3	100			С	М	Loamy/Clayey		
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
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Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Letter Construction of the present of the pr	¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked San	d Grains.	² Location: PL=P	ore Lining, M=Ma	atrix.
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. No _ X Remarks: Hydric Soil Present? Yes No	Hydric Soil	Indicators:						Indicators for P	roblematic Hydr	ic Soils ³ :
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. No _ X Remarks: Hydric Soil Present? Yes						ice (S8) (LRR R,			
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Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:										
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:							-			
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Yes No X Remarks: Kemarks: Kemarks: Kemarks: Kemarks:	Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mangar	ese Masses (F12	2) (LRR K, L, R)
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:										
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Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Exercitive Layer (if observed): Type:										22)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed):						- /				,
Restrictive Layer (if observed): Type: Type:	Dark Su	rface (S7)								
Restrictive Layer (if observed): Type: Type:	3									
Type:				etiand hydrology m	ust be p	resent, u	niess dis	turbed or problematic.		
Depth (inches): Hydric Soil Present? Yes No X Remarks: Image: Contract of the second seco										
Remarks:		nches):						Hydric Soil Present?	Yes	No X
		,								
	Stony									

Project/Site: Clear Property, 515 Woodstock Road, Millbrook City/	County: T/o Washington/Dutchess Sampling Date: 04/30/24							
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLF							
Investigator(s): M.S. Fishman	Section, Township, Range: N/A							
Landform (hillside, terrace, etc.): basin Local relief	(concave, convex, none): concave Slope %:							
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.812006°	Long: -73.708368° Datum: WGS84							
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: PEM1/UB3H							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? Yes X No								
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sampling	g point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes X No Is	the Sampled Area							
	thin a Wetland? Yes X No							
	yes, optional Wetland Site ID:							
American toads, singing, in amplexus, and 1 egg mass								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)Surface Soil Cracks (B6)							
Primary Indicators (minimum of one is required; check all that apply) X Surface Water (A1) Water-Stained Leaves (B9)	Surface Soil Cracks (B6) Drainage Patterns (B10)							
Primary Indicators (minimum of one is required; check all that apply) X Surface Water (A1) X High Water Table (A2) Aquatic Fauna (B13)	Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16)							
Primary Indicators (minimum of one is required; check all that apply) X Surface Water (A1) X High Water Table (A2) Saturation (A3) Marl Deposits (B15)	Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)							
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Sampling Point: WLF

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1	<u> </u>			Number of Dominant Species
2.			<u> </u>	That Are OBL, FACW, or FAC: (A)
3		. <u> </u>		Total Number of Dominant
4				Species Across All Strata: 2 (B)
5	<u> </u>			Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7			. <u> </u>	Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 60 x 1 = 60
1				FACW species $0 x^2 = 0$
2.				FAC species $0 x 3 = 0$
3				FACU species 0 x 4 = 0
4				UPL species $0 x 5 = 0$
5				Column Totals: 60 (A) 60 (B)
6				Prevalence Index = B/A = 1.00
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Acorus calamus	30	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Juncus effusus	20	Yes	OBL	 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Carex stricta</u>	10	No	OBL	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9			. <u> </u>	diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	60 =	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines - All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4.				Present? Yes <u>X</u> No
	:	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

	• •	to the de				ator or c	onfirm the absence o	of indicators.)		
Depth	Matrix			x Featur		. 2	-			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-9	10YR 4/2	100			С	М	Loamy/Clayey	Distinct redox concentrations		
9-16		80	10YR 6/6	20	С	М	Loamy/Clayey	Prominent redox concentrations		
			,							
¹ Type: C=Co	ncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil I	ndicators:						Indicators f	or Problematic Hydric Soils ³ :		
Histosol (Polyvalue Belo		ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)		
Black His			Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma S			-		ue Below Surface (S8) (LRR K, L)		
	Layers (A5) Below Dark Surface	- (A11)	Loamy Mucky			κ κ , L)		rk Surface (S9) (LRR K, L)		
	rk Surface (A12)	e (ATT)	Loamy Gleyed X Depleted Matri		(FZ)			nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)		
	ucky Mineral (S1)		Redox Dark Su		-6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149			
	eyed Matrix (S4)		Depleted Dark	•	,		Red Parent Material (F21)			
	edox (S5)		Redox Depress				Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR		,		Other (Explain in Remarks)			
Dark Sur										
			etland hydrology mu	ust be p	resent, u	nless dis	turbed or problematic.			
	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Remarks:										

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/30/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLF UPL
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): Plain Local	relief (concave, convex, none): flat Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.812053°	Long: -73.708411° Datum: WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	es here or in a	separate report.)	

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is	required: check all that apply)
Surface Water (A1)	Water-Stained Leaves (B9)
High Water Table (A2)	Aquatic Fauna (B13)
Saturation (A3)	Marl Deposits (B15)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)
Sediment Deposits (B2)	Oxidized Rhizospheres on L
Drift Deposits (B3)	Presence of Reduced Iron (

HYDROLOGY

Saturation (A3)		Marl D	eposits (B15)	_	Dry-Season Water Table (C2)					
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)	_	Crayfish Burrows (C8)					
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living R	oots (C3)	(C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)		Preser	ice of Reduced Iron (C4)	_	Stunted or Stressed P	ขants (D1)				
Algal Mat or Crust (B4)		Recen	t Iron Reduction in Tilled Soil	- ls (C6)	(C6) Geomorphic Position (D2)					
Iron Deposits (B5)		Thin M	uck Surface (C7)	-	Shallow Aquitard (D3)					
Inundation Visible on Aer	ial Imagery (B7)	Other	Explain in Remarks)	-	Microtopographic Relief (D4)					
Sparsely Vegetated Conc				-	FAC-Neutral Test (D5)				
Field Observations:										
Surface Water Present?	Yes	No X	Depth (inches):							
Water Table Present?	Yes	No X	Depth (inches):							
Saturation Present?	Yes	No X	Depth (inches):	Wetland	I Hydrology Present?	Yes	No	Х		
(includes capillary fringe)			· · · /							
Describe Recorded Data (stre	am gauge, mon	itoring well,	aerial photos, previous inspe	ections), if a	vailable:					
Remarks:										
Photo 2828, Flags WLF 001-0)34									

Secondary Indicators (minimum of two required)

Surface Soil Cracks (B6)

Drainage Patterns (B10)

Moss Trim Lines (B16)

Sampling Point: WLF UPL

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata: 1 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species x 1 =
1				FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3				FACU species 80 x 4 = 320
4				UPL species 10 x 5 = 50
5				Column Totals: 90 (A) 370 (B)
6				Prevalence Index = B/A =4.11
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1. Poa compressa	50	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium pratense	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	5	No	FACU	data in Remarks or on a separate sheet)
4. Lotus corniculatus	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Plantago lanceolata	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Daucus carota	10	No	UPL	be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	90	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				
<u></u> ,				Woody vines – All woody vines greater than 3.28 ft in height.
2.			·	Toght
3.				Hydrophytic
				Vegetation Present? Yes No X
4.		Tatal Osuar		Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des Depth	cription: (Describe Matrix	to the dep		ument t ox Featur		ator or c	onfirm the absence	e of indica	itors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 4/2	100			С	М	Loamy/Clayey	Dis	Distinct redox concentrations	
		<u> </u>						.		
	·									
	·									
	·									
								_		
	·									
		<u> </u>						.		
¹ Type: C=C	Concentration, D=Dep	letion RM	-Reduced Matrix	MS-Mas	ked San	d Grains	² Location:	PI -Pore	Lining, M=Ma	atrix
	Indicators:			no-mae					lematic Hydri	
Histoso			Polyvalue Belo	ow Surfa	ice (S8) (LRR R,) (LRR K, L, I	
Histic E	pipedon (A2)		MLRA 149E	8)			Coast	Prairie Re	edox (A16) (LF	RR K, L, R)
	listic (A3)		Thin Dark Sur					-) (LRR K, L, R)
	en Sulfide (A4)		High Chroma			-			/ Surface (S8)	
	d Layers (A5)	. (. 1 1)	Loamy Mucky			R K, L)			ce (S9) (LRR	
	d Below Dark Surface ark Surface (A12)	e (A11)	Loamy Gleyed Depleted Matr		(F2)			-		2) (LRR K, L, R) 9) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark S		-6)					44A, 145, 149B)
	Gleyed Matrix (S4)	•	Depleted Dark	•	,			Parent Mate		HA, 140, 140D)
	Redox (S5)		Redox Depres						ark Surface (F	22)
Stripped	d Matrix (S6)		Marl (F10) (LF	R K, L)			Other	(Explain ir	n Remarks)	
Dark Su	urface (S7)									
2										
	of hydrophytic vegetat		etland hydrology m	ust be p	resent, u	nless dis	turbed or problemati	с.		
Type:	Layer (if observed):									
							Ukudaia Cail Daa		Vee	
	inches):						Hydric Soil Pres	sent?	Yes	<u>No X</u>
Remarks:										

Project/Site: Clear Property, 515 V	Noodstock Road, Millbrook	City/County: T/o Washington/Dutchess	Sampling Date: 04/30/24		
Applicant/Owner: Tim and Joh	na Clear	State: NY	Sampling Point: WLG		
Investigator(s): M.S. Fishman		Section, Township, Range: <u>N/A</u>			
Landform (hillside, terrace, etc.):	Lo	ocal relief (concave, convex, none):	Slope %:		
Subregion (LRR or MLRA): LRR F	R, MLRA 144A Lat: 41.812148°	Long:73.707598°	Datum: WGS84		
Soil Map Unit Name: MnA-Massin	a silt loam, 0-3 percent slopes	NWI classification:	PEM1E		
Are climatic / hydrologic conditions	on the site typical for this time of yea	ar? Yes <u>X</u> No(If no, e	explain in Remarks.)		
Are Vegetation, Soil	, or Hydrologysignificantly di	sturbed? Are "Normal Circumstances" pres	ent? Yes X No		
Are Vegetation, Soil	n, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS -	 Attach site map showing s 	ampling point locations, transects, in	portant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area			
Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> No Yes <u>X</u> No	within a Wetland? Yes X If yes, optional Wetland Site ID:	No		
Remarks: (Explain alternative pro	cedures here or in a separate report.)			

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (Ce	6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No Depth (inches):	
Water Table Present? Yes	No Depth (inches):	
Saturation Present? Yes X	No Depth (inches): 0 V	Vetland Hydrology Present? Yes X No
(includes capillary fringe)		
(includes capillary fringe)	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe)		· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor		· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspection	· · · · · · · · · · · · · · · · · · ·

Sampling Point: WLG

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 80 x 1 = 80
1				FACW species 0 x 2 = 0
2.				FAC species0 x 3 =0
3.				FACU species 0 x 4 = 0
4.				UPL species $0 x 5 = 0$
5.				Column Totals: 80 (A) 80 (B)
6				Prevalence Index = $B/A = 1.00$
				Hydrophytic Vegetation Indicators:
7		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:1 m)				X 2 - Dominance Test is >50%
· · ·	20	Vee		
1. Juncus effusus	20	Yes		X 3 - Prevalence Index is $\leq 3.0^{1}$
2. <u>Carex stricta</u>	60	Yes	OBL	 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3.				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5. 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				of size, and woody plants less than 3.20 it tall.
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or c	onfirm the absence o	of indicators.)	
Depth	Matrix			x Featur		. 2		- .	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-5	10YR 6/1	90	10YR 4/6	10	С	М	Loamy/Clayey	Distinct redox concentrations	
5-10	10YR 4/2	90	10YR 5/6	10	С	М	Loamy/Clayey	Prominent redox concentrations	
10-16	10YR 7/1	80	10YR 6/8	20	С	Μ	Loamy/Clayey	Prominent redox concentrations	
	oncentration, D=Depl	etion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.	
Hydric Soil I Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R.		or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B		() (,		rairie Redox (A16) (LRR K, L, R)	
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA	149B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S			-		ie Below Surface (S8) (LRR K, L)	
	Layers (A5)	<i></i>	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)	
· · ·	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)	
	ark Surface (A12)		X Depleted Matri Redox Dark Su		(c)			nt Floodplain Soils (F19) (MLRA 149B)	
	lucky Mineral (S1) leyed Matrix (S4)		Depleted Dark					podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21)	
	edox (S5)		? Redox Depress				Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR		-,		Other (Explain in Remarks)		
	face (S7)		、 / 、	. ,					
3									
	f hydrophytic vegetat _ayer (if observed):	ion and w	etland hydrology mu	ust be pr	esent, u	nless dis	turbed or problematic.		
Type:	Layer (il Observed).								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No	
Remarks:									

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 04/30/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLG UPL
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): plain Loca	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.812129°	Long: <u>-73.707707°</u> Datum: <u>WGS84</u>
Soil Map Unit Name: MnA-Massina silt loam, 0-3 percent slopes	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on A	Aerial Imagery	(C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position ((D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B		FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlar	nd Hydrology Present?	Yes	No X
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ections), if	available:		
Remarks:					
Photo 2830, Flags WLG 001-025					

Sampling Point: WLG UPL

	Absolute	Dominant	Indicator		
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:	
1				Number of Dominant Species	
2				That Are OBL, FACW, or FAC: 0 ((A)
3		<u> </u>		Total Number of Dominant	
4					(B)
5.				Percent of Dominant Species	
6.					(A/B)
7.				Prevalence Index worksheet:	. ,
		=Total Cover		Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size: 5 m)		-		OBL species 0 $x 1 = 0$	_
1,				FACW species 0 x 2 = 0	_
2.				FAC species $0 \times 3 = 0$	_
3.		·		FACU species $40 x 4 = 160$	_
3 4.				$\frac{1}{100} \frac{1}{100} \frac{1}$	_
5		·		Column Totals: 50 (A) 210	(B)
		·		,	_(D)
6.				Prevalence Index = $B/A = 4.20$	_
7				Hydrophytic Vegetation Indicators:	
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
<u>Herb Stratum</u> (Plot size: 1 m)				2 - Dominance Test is >50%	
1. <u>Poa</u>	50	Yes		3 - Prevalence Index is ≤3.0 ¹	
2. <u>Taraxacum officinale</u>	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supp data in Remarks or on a separate sheet)	orting
3. Daucus carota	10	Yes	UPL		
4. Plantago lanceolata	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain	n)
5. Anthoxanthum odoratum	10	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology m	nust
6. Centaurea jacea	10	Yes	FACU	be present, unless disturbed or problematic.	
7		<u> </u>		Definitions of Vegetation Strata:	
8				Tree – Woody plants 3 in. (7.6 cm) or more in	
9				diameter at breast height (DBH), regardless of he	eight.
10.				Sapling/shrub – Woody plants less than 3 in. DE	зн
11.				and greater than or equal to 3.28 ft (1 m) tall.	
12.				Harb All both second (see weady) plants, regard	dlaga
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	aless
Woody Vine Stratum (Plot size: 5 m)		-			o <i>u</i> ·
1,				Woody vines – All woody vines greater than 3.28 height.	8 ft in
2.		·		- noight	
2		·		Hydrophytic	
		·		Vegetation Present? Yes No X	
4				Present? Yes <u>No X</u>	
		=Total Cover			
Remarks: (Include photo numbers here or on a sepa	rate sheet.)				

Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/3	100			С	М	Loamy/Clayey	Distinct redox concentrations
7-16	10YR 4/3	100			С	M	Loamy/Clayey	Gravelly
		·			_			
		·						
		·			_			
		·						
	oncentration, D=Dep	letion RM	-Reduced Matrix		ked San	Grains	² Location: PL	=Pore Lining, M=Matrix.
Black Hi Hydroge Stratified Depleted Thick Da	(A1) bipedon (A2) stic (A3) In Sulfide (A4) Layers (A5) Below Dark Surface ark Surface (A12)	e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri) ace (S9) Sands (S Mineral Matrix (x (F3)) (LRR R 511) (LRI (F1) (LR F2)	, MLRA [·] R K, L)	2 cm Mucl Coast Pra 5 cm Mucl Polyvalue Thin Dark Iron-Mang Piedmont	Problematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B) irie Redox (A16) (LRR K, L, R) (y Peat or Peat (S3) (LRR K, L, Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) anese Masses (F12) (LRR K, L, Floodplain Soils (F19) (MLRA 1
Sandy G Sandy R Stripped	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7)		Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (F	e (F7)		Red Parer Very Shall	ndic (TA6) (MLRA 144A, 145, 14 nt Material (F21) ow Dark Surface (F22) olain in Remarks)
Indicators o	f hydrophytic vegeta	tion and w	etland hydrology mu	ust be pi	resent, u	nless dist	urbed or problematic.	
Type:	Layer (if observed):						Hydric Soil Present	? Yes No_X
Remarks:								

Project/Site: Clear Property, 515 Woodstock Road, Millb	prook City/County: T/o Washington/Dutchess Sampling Date: 05/01/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLH1-WET
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): basin	Local relief (concave, convex, none): concave Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat:	41.812966° Long: <u>-73.708621°</u> Datum: WGS84
Soil Map Unit Name: Su-Sun silt Ioam	NWI classification: PFO1C
Are climatic / hydrologic conditions on the site typical for the	this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area

Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	X X	No No	within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures I	nere or	in a se	eparate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is	Surface Soil Cracks (B6)		
X Surface Water (A1)	Drainage Patterns (B10)		
X High Water Table (A2)	Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Re	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imager	y (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surfa	ce (B8)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 24		
Water Table Present? Yes X	No Depth (inches): 0		
	l I hudna la mu Drea ant 9 Vaa V Na		
Saturation Present? Yes X	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	NoDepth (inches):0	Wetland	a Hydrology Present? fes <u>*</u> No
(includes capillary fringe)	 No Depth (inches): monitoring well, aerial photos, previous inspectively. 		
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:		ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	e, monitoring well, aerial photos, previous inspe	ections), if a	vailable:

Sampling Point: WLH1-WET

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum	90	Yes	FAC	Number of Dominant Species
2. Betula nigra	10	No	FACW	That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 100 x 1 = 100
1. Cephalanthus occidentalis	10	Yes	OBL	FACW species 20 x 2 = 40
2.				FAC species 90 x 3 = 270
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5.	·			Column Totals: 210 (A) 410 (B)
6.				Prevalence Index = $B/A = 1.95$
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Carex stricta	80	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Acorus calamus	5	No	OBL	data in Remarks or on a separate sheet)
4. Juncus effusus	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Impatiens capensis	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1	_			height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

8-12 7.5YR 4/1 100 C M Loamy/Clayey Distinct redox concentration	0-8 7 8-12 7	.5YR 4/1 10 .5YR 4/1 10	00		C C	M l M l	Loamy/Clayey Loamy/Clayey	Remarks Distinct redox concentrations Distinct redox concentrations Distinct redox concentrations
8-12 7.5YR 4/1 100 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/4 10 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/4 10 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/4 10 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/4 10 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/4 10 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/1 10 C M Loamy/Clayey Distinct redox concentration 12-18 7.5YR 4/1 90 7.5YR 4/1 10 C M Loamy/Clayey Distinct redox concentration 12-18 7 7 7 Cast 10 Loamy/Clayey Distinct redox concentration Distinct redox concentration	8-12 7	.5YR 4/1 10	00		С	M	Loamy/Clayey	Distinct redox concentrations
12-18 7.5YR 4/1 90 7.5YR 4/4 10 C M Loamy/Clayey Distinct redox concentration Image: State of the state of				10 				
Image:	<u> 12-18 7</u>	.5YR 4/1 9	0 7.5YR 4/4	10			Loamy/Clayey	Distinct redox concentrations
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Thin Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Troblematic. Restrictive Layer (if observed): Type: Type: Thin Dark Surface (S7)								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 1499) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Thin Remarks) Thin Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Troblematic. Restrictive Layer (if observed): Type: Type:								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Stripped Matrix (F6) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Trype: Type:								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 1499) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Thin Remarks) Thin Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Troblematic. Restrictive Layer (if observed): Type: Type:								
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	¹ Type: C=Concentra	ation, D=Depletion	n, RM=Reduced Matri	x, MS=Mask	ed Sand	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Other (Explain in Remarks) ************************************	Hydric Soil Indicate	ors:						-
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Histic Epipedon Black Histic (A3 Hydrogen Sulfid Stratified Layers Depleted Below) e (A4) s (A5) Dark Surface (A1	MLRA 14 Thin Dark S High Chrom Loamy Muc 1)Loamy Gley	19B) Surface (S9) na Sands (S cky Mineral (yed Matrix (F	(LRR R, 11) (LRR F1) (LRR	MLRA 1491 K, L)	Coast Prairie Coast Prairie Coast Prairie Folyvalue Be Thin Dark Su Iron-Mangan	Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:					6)			
Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Gleyed N	latrix (S4)						
Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:					5)			
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:			Marl (F10)	(LRR K, L)			Other (Explain	in in Remarks)
Restrictive Layer (if observed): Type:		.,						
Туре:	³ Indicators of hydrop	hytic vegetation a	ind wetland hydrology	/ must be pre	esent, un	less disturb	ed or problematic.	
		f observed):						
Depth (incres): Hydric Soil Present? Yes X No							Ukudaia Cail Daasaat2	
Remarks:	Depth (Inches):						Hydric Soll Present?	Yes <u>X</u> NO

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/	24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLH	1 UPL
Investigator(s): M.S. Fishman	Section, Township, Range: N/A	
Landform (hillside, terrace, etc.):	Local relief (concave, convex, none): Slope %:	
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.812391	2 Long: -73.708414° Datum: WGS8	34
Soil Map Unit Name: Su-Sun silt loam	NWI classification: UPL	
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes X No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrologysignificantly	/ disturbed? Are "Normal Circumstances" present? Yes X No	
Are Vegetation, Soil, or Hydrologynaturally pr	oblematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, e	etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	es here or in a	separate report.)	

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Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	Roots (C3) Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ils (C6) Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)	
? Sparsely Vegetated Concave Surface (B	3)	FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes <u>No X</u>	
(includes capillary fringe)			
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if		
	······································		
Remarks:			
Photo 2832, Flags WLH 001-054			

Sampling Point: WLH 1 UPL

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus alba	10	Yes	FACU	Number of Dominant Species
2. Prunus serotina	10	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 3 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Lonicera tatarica	15	Yes	FACU	FACW species $0 x 2 = 0$
2.				FAC species $0 \times 3 = 0$
3.				FACU species 35 x 4 = 140
1				UPL species $0 x 5 = 0$
5.		·		Column Totals: 35 (A) 140 (B)
				Prevalence Index = $B/A = 4.00$
		·		Hydrophytic Vegetation Indicators:
7		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)	10			2 - Dominance Test is >50%
Herb Stratum (Plot size: 1 m)				
1				3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)
3		·		
4		. <u> </u>		Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft ir
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
remaine. (morade proto numbers here of on a sepa				

Depth	cription: (Describe Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-5	10YR 4/2	100			С	М	Loamy/Clayey	Dis	stinct redox co	oncentrations
5-16	10YR 4/2	100			<u> </u>	<u>M</u>	Sandy	Dis	stinct redox co	oncentrations
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.	² Locatior	: PL=Pore	Lining, M=Ma	ıtrix.
Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy F Sandy F Stripped Dark Su	(A1) pipedon (A2) istic (A3) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Inface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR etland hydrology mu) ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LRI (F1) (LRI F2) 66) 9 (F7) 8)	, MLRA ? K, L) ? K, L)	Coas 149B)5 cm Poly Thin Pied Pied Red Othe	st Prairie Re Mucky Pea value Below Dark Surfac Manganese mont Floodg c Spodic (T. Parent Mate Shallow Da r (Explain in	v Surface (S8) ce (S9) (LRR Masses (F12 blain Soils (F1 A6) (MLRA 1 erial (F21) rrk Surface (F	RR K, L, R) (LRR K, L, R) (LRR K, L) K, L) (LRR K, L, R) 9) (MLRA 1498 44A, 145, 1498
Restrictive Type:	Layer (if observed):						Hydric Soil Pre		Yes	No X
Remarks:	,									

Project/Site: Clear Property, 515 Wo	odstock Road, Mill	orook	City/County: T/o Was	shington/Dutchess	Sampling Date: 05/01/24	
Applicant/Owner: Tim and Johna	Clear			State: NY	Sampling Point: WLH2-WET	
Investigator(s): M.S. Fishman	vestigator(s): M.S. Fishman Section, Township, Range: N/A					
Landform (hillside, terrace, etc.):		Local re	elief (concave, conve	x, none):	Slope %:	
Subregion (LRR or MLRA): LRR R,	MLRA 144A Lat:	41.812351°	Long:	-73.708365°	Datum: WGS84	
Soil Map Unit Name: Su-Sun silt loar	m			NWI classification:	: PEM1/UB3H	
Are climatic / hydrologic conditions on	the site typical for t	this time of year?	Yes X	No (If no,	explain in Remarks.)	
Are Vegetation, Soil, c	or Hydrology	significantly disturb	ed? Are "Norm	al Circumstances" pres	sent? Yes X No	
Are Vegetation, Soil, c	or Hydrology	naturally problemat	tic? (If needed	, explain any answers ir	n Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Are	ea		
Hydric Soil Present?	Yes X	No	within a Wetland?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	If yes, optional Wet	land Site ID:		
Remarks: (Explain alternative proceed	dures here or in a se	eparate report.)				

Wetland Hydrology Indicators:		<u>,</u>	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)		
X Surface Water (A1)		Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roc	ts (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (Ba	8)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 24			
Water Table Present? Yes X	No Depth (inches):			
Saturation Present? Yes X	No Depth (inches): 0	Wetland	Hydrology Present? Yes X No	
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	tions), if av	vailable:	
Remarks:				
Eutrophic pond with shallow emergent marsh	fringe; Photo 2833, Flags WLH 001-054			
Remarks: Eutrophic pond with shallow emergent marsh	fringe; Photo 2833, Flags WLH 001-054			

Sampling Point: WLH2-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	10	Yes	FAC	
2.			TAU	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species25 x 1 =25
1				FACW species 0 x 2 = 0
2.				FAC species 10 x 3 = 30
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 35 (A) 55 (B)
6.				Prevalence Index = $B/A = 1.57$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Iris versicolor	5	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Acorus calamus	5	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex stricta	15	Yes	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.		- 		Hydrophytic Vegetation
4.		- <u> </u>		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation	ate sheet.)			

Profile Desc Depth	cription: (Describe t Matrix	o the de		ument t ox Featur		itor or co	confirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	% 1 Calu	Type ¹	Loc ²	Texture Remarks
(monoo)		70			-762	100	
	·					<u> </u>	··
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I							
	oncentration, D=Depl		A Doducod Matrix I			- Craine	² Lagotion: DL-Doro Lining M-Matrix
Hydric Soil			I=Reduced Matrix, in	VIS=IVIA5	Keu Janu	I Glains.	. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
-			Polyachuo Bola	Curfe	(69) (ם מחי	-
Histosol			Polyvalue Belo		.ce (50) (I	_КК К,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,			Coast Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf				
	en Sulfide (A4)		High Chroma S			-	Polyvalue Below Surface (S8) (LRR K, L)
	d Layers (A5)	(.	Loamy Mucky			₹K,L)	Thin Dark Surface (S9) (LRR K, L)
	d Below Dark Surface	. (A11)	Loamy Gleyed		(F2)		Iron-Manganese Masses (F12) (LRR K, L,
	ark Surface (A12)		Depleted Matri				Piedmont Floodplain Soils (F19) (MLRA 14
	Aucky Mineral (S1)		Redox Dark Su	•			Mesic Spodic (TA6) (MLRA 144A, 145, 149
	Gleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)
	Redox (S5)		Redox Depres				Very Shallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	(R K, L)			Other (Explain in Remarks)
Dark Su	irface (S7)						
		ion and w	etland hydrology m	ust be p	resent, ur	iless dist	turbed or problematic.
	Layer (if observed):					ļ	
Type:						ļ	
Depth (ir	nches):					ļ	Hydric Soil Present? Yes X No
			<u></u>				
Remarks: Hydric soil a	ssumed-innundated						
Hyuno son a	SSUMEU-INNUNUALEG						
l							

Project/Site: Clear P	roperty, 515	Woodstock Road,	, Millbrook	City/County:	T/o Wa	ashington/Dutcl	hess	Sampling Date:	: 05/01/24
Applicant/Owner:	Tim and Joh	ina Clear				State	e: <u>NY</u>	Sampling Po	int: WLH 2 UPL
Investigator(s): M.S.	Fishman			Sec	xtion, To	wnship, Range	э: <u>N/A</u>		
Landform (hillside, ter	rrace, etc.):		Loc	cal relief (concav		Slc	ope %:		
Subregion (LRR or MI	LRA): LRR	R, MLRA 144A	Lat: 41.812931°		Long:	-73.708755°		Datum:	WGS84
Soil Map Unit Name:	Su-Sun silt I	oam				NWI clas	ssification:	າ: <u>UPL</u>	
Are climatic / hydrolog	gic conditions	on the site typical	I for this time of year	r? Y	es <u>X</u>	No	(If no,	, explain in Rema	rks.)
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed? A	.re "Norr	nal Circumstar	nces" pres	esent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (I	f neede	d, explain any a	answers i	in Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site n	nap showing sa	ampling poir	it loca	tions, trans	sects, ir	mportant feat	tures, etc.
Hydrophytic Vegetati	ion Present?	Yes	No X	Is the San	npled A	rea			

Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	No X No X No X	within a Wetland? Yes No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspectio	ons), if available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspectio	ns), if available:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
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Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:	nitoring well, aerial photos, previous inspectio	ns), if available:

Sampling Point: WLH 2 UPL

3. Stellaria media 5 Yes FACU data in Remarks or on a separate sheet) 4. Plantago major 5 Yes FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Poa 10 Yes 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.		Absolute	Dominant	Indicator	
2.		% Cover	Species?	Status	Dominance Test worksheet:
4.					
6.	4				
7.					
					Prevalence Index worksheet:
1. Rosa multiflora 20 Yes FACU FACW species 0 x 2 = 0 2. Lonicera tatarica 40 Yes FACU FACW species 0 x 3 = 0 3.					Total % Cover of: Multiply by:
2. Lonicera tatarica 40 Yes FACU FAC species 0 x 3 = 0 3.	Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
3.	1. Rosa multiflora	20	Yes	FACU	FACW species 0 x 2 = 0
4.	2. Lonicera tatarica	40	Yes	FACU	FAC species 0 x 3 = 0
4.	3.				FACU species 80 x 4 = 320
5.	1				UPL species 0 x 5 = 0
6.	5				Column Totals: 80 (A) 320 (B)
7.	6				Prevalence Index = $B/A = 4.00$
Herb Stratum (Plot size: 1 m) 2 - Dominance Test is >50% 1. Anthoxanthum odoratum 5 Yes FACU 2. Glechoma hederacea 5 Yes FACU 3. Stellaria media 5 Yes FACU 4. Plantago major 5 Yes FACU 5. Poa 10 Yes FACU 7					Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 1 m) 1. Anthoxanthum odoratum 5 Yes FACU 2. Glechoma hederacea 5 Yes FACU 3. Stellaria media 5 Yes FACU 4. Plantago major 5 Yes FACU 5. Poa 10 Yes Problematic Hydrophytic Vegetation ¹ (Explain) 6.		60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
1. Anthoxanthum odoratum 5 Yes FACU 3 - Prevalence Index is ≤3.0 ¹ 2. Glechoma hederacea 5 Yes FACU 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Stellaria media 5 Yes FACU 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 4. Plantago major 5 Yes FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Poa 10 Yes 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7.	Herb Stratum (Plot size: 1 m)	-			
2. Glechoma hederacea 5 Yes FACU 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Stellaria media 5 Yes FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Pea 10 Yes FACU Problematic Hydrophytic Vegetation ¹ (Explain) 6. 10 Yes 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7.		5	Yes	FACU	
3. Stellaria media 5 Yes FACU data in Remarks or on a separate sheet) 4. Plantago major 5 Yes FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Poa 10 Yes 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.		5	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
4. Plantago major 5 Yes FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Poa 10 Yes 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.		5	Yes		
5. Poa 10 Yes 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.		5			Problematic Hydrophytic Vegetation ¹ (Explain)
6.		10	Yes		
8.	6.				
9.	7				Definitions of Vegetation Strata:
10.	8				Tree – Woody plants 3 in. (7.6 cm) or more in
11.	9				diameter at breast height (DBH), regardless of height.
30 =Total Cover Herb – All herbaceous (hoh-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 5 m)) Image: Stratum of size, and woody plants less than 3.28 ft tall. 1. Image: Stratum of size, and woody vines greater than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. 2. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height. 3. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height. 4. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height. 4. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height. 4. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height. 5. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height. 6. Image: Stratum of size, and woody vines greater than 3.28 ft in height. Image: Stratum of size, and woody vines greater than 3.28 ft in height.					
30 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 5 m)) . Woody vines – All woody vines greater than 3.28 ft in height. 2. 3. 4. 	12.				
1.		30	=Total Cover		
3.					
3.	2				
4 Present? Yes No X	3.				
	4.				•
Remarks: (Include photo numbers here or on a separate sheet.)			=Total Cover		
	Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	cription: (Describe Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	rks
0-5	10YR 4/2	100			С	М	Loamy/Clayey	Dis	stinct redox co	oncentrations
5-16	10YR 4/2	100			<u> </u>	<u>M</u>	Sandy	Dis	stinct redox co	oncentrations
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.	² Locatior	: PL=Pore	Lining, M=Ma	ıtrix.
Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy F Sandy F Stripped Dark Su	(A1) pipedon (A2) istic (A3) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Inface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR etland hydrology mu) ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LRI (F1) (LRI F2) 66) 9 (F7) 8)	, MLRA ? K, L) ? K, L)	Coas 149B)5 cm Poly Thin Pied Pied Red Othe	st Prairie Re Mucky Pea value Below Dark Surfac Manganese mont Floodg c Spodic (T. Parent Mate Shallow Da r (Explain in	v Surface (S8) ce (S9) (LRR Masses (F12 blain Soils (F1 A6) (MLRA 1 erial (F21) rrk Surface (F	RR K, L, R) (LRR K, L, R) (LRR K, L) K, L) (LRR K, L, R) 9) (MLRA 1498 44A, 145, 1498
Restrictive Type:	Layer (if observed):						Hydric Soil Pre		Yes	No X
Remarks:	,									

Project/Site: Clear Property, 515 Woodstock Road	d, Millbrook	City/County: T/o Washington/Dutchess	Sampling Date: 05/01/24						
Applicant/Owner: Tim and Johna Clear		State: NY	Sampling Point: WLI 1						
Investigator(s): M.S. Fishman	stigator(s): M.S. Fishman Section, Township, Range: N/A								
Landform (hillside, terrace, etc.):	Local re	elief (concave, convex, none):	Slope %:						
Subregion (LRR or MLRA): LRR R, MLRA 144A	Lat: 41.813432°	Long: <u>-73.708808°</u>	Datum: WGS84						
Soil Map Unit Name: W-Water		NWI classification:	PSS1/EM1						
Are climatic / hydrologic conditions on the site typic	al for this time of year?	Yes X No (If no, e	explain in Remarks.)						
Are Vegetation, Soil, or Hydrology	significantly disturb	ed? Are "Normal Circumstances" prese	ent? Yes X No						
Are Vegetation, Soil, or Hydrology	naturally problemat	ic? (If needed, explain any answers in	n Remarks.)						
SUMMARY OF FINDINGS – Attach site	map showing samp	bling point locations, transects, im	portant features, etc.						
Hydrophytic Vegetation Present? Yes	X No	Is the Sampled Area							
	X No	within a Wetland? Yes X	No						
Wetland Hydrology Present? Yes	X No	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or	in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; ch	Surface Soil Cracks (B6)	
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3	3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	-	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X No	Depth (inches):0.5	
Water Table Present? Yes No	Depth (inches):	
Saturation Present? Yes X No	Depth (inches): 0 Wet	land Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitorin	ng well, aerial photos, previous inspections)	, if available:
Remarks:		
Photo 2835, Flags WLI 001-064		

Sampling Point: WLI 1

Tree Stretum (Plat size: 40 m)	Absolute	Dominant	Indicator	Deminence Test werkeheet
<u>Tree Stratum</u> (Plot size: <u>10 m</u>) 1. Acer rubrum	% Cover	Species? Yes	Status FAC	Dominance Test worksheet:
2	30	165		Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3 4.		. <u></u>		Total Number of Dominant Species Across All Strata: 4 (B)
				Species Across All Strata. 4 (b)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
	30	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 10 x 1 = 10
1. Vaccinium corymbosum	5	Yes	FACW	FACW species 75 x 2 = 150
2. Spiraea tomentosa	20	Yes	FACW	FAC species 30 x 3 = 90
3				FACU species x 4 =
4				UPL species 0 x 5 = 0
5.				Column Totals: 115 (A) 250 (B)
6.				Prevalence Index = $B/A = 2.17$
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:1 m)				X 2 - Dominance Test is >50%
1. Sagittaria latifolia	10	No	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	50	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>5 m</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
	ate sheet.)			

Profile Desc	ription: (Describe	to the de	-			ator or c	onfirm the absence o	of indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	7.5YR 4/1	100			С	Μ	Loamy/Clayey	Distinct redox concentrations
7-12	7.5YR 4/1	100			С	М	Loamy/Clayey	Distinct redox concentrations
12-17	7.5YR 4/1	90	7.5YR 4/4	10	С	М	Loamy/Clayey	Distinct redox concentrations
						·······		
	oncentration, D=Depl	lation PN			kod San		² Location: P	PL=Pore Lining, M=Matrix.
Hydric Soil I				10=11185	Keu San	d Grains.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S			-		le Below Surface (S8) (LRR K, L)
	l Layers (A5) I Below Dark Surface	(A11)	Loamy Mucky Loamy Gleyed			κ κ , L)		rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)
·	ark Surface (A12)	= (ATT)	X Depleted Matri		12)			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-6)			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	•	,			rent Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (Fa	8)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	f hydrophytic yegetat	ion and w	etland hydrology m	ust ha ni	recent u	aloce die	turbed or problematic.	
	_ayer (if observed):	ION AND W	etianu nyurology mt	usi be pi	esent, u	11622 012		
Туре:								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear Property, 515 W	oodstock Road, Mill	brook (City/County: T/o Washington/Dutche	ss Sampling Date: 05/01/24
Applicant/Owner: Tim and John	a Clear		State:	NY Sampling Point: WLI1 UPL
Investigator(s): M.S. Fishman			Section, Township, Range:	N/A
Landform (hillside, terrace, etc.):		Local re	lief (concave, convex, none):	Slope %:
Subregion (LRR or MLRA): LRR R	, MLRA 144A Lat:	41.813347°	Long: -73.708719°	Datum: WGS84
Soil Map Unit Name: W-Water			NWI classi	fication: UPL
Are climatic / hydrologic conditions c	on the site typical for	this time of year?	Yes X No	(If no, explain in Remarks.)
Are Vegetation, Soil,	or Hydrology	significantly disturbe	ed? Are "Normal Circumstance	es" present? Yes X No
Are Vegetation, Soil,	or Hydrology	naturally problemati	c? (If needed, explain any an	swers in Remarks.)
SUMMARY OF FINDINGS -	Attach site map	showing samp	ling point locations, transe	cts, important features, etc.
Hydrophytic Vegetation Present?	Yes Yes	No X	Is the Sampled Area	s No X

Hydric Soil Present?	Yes	<u>No X</u>	within a Wetland? Yes <u>No X</u>
Wetland Hydrology Present?	Yes	No <u>X</u>	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedure	s here or in a s	separate report.)	

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Г									

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ots (C3)Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	tions), if available:
Remarks:		
Photo 2836, Flags WLI 001-064		

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Sampling Point: WLI 1 UPL

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Malus coronaria	5	Yes	UPL	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7		. <u> </u>		Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 40 x 4 =160
4				UPL species 10 x 5 = 50
5				Column Totals: 50 (A) 210 (B)
6.				Prevalence Index = B/A = 4.20
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1. Danthonia spicata	5	No	UPL	3 - Prevalence Index is ≤3.0 ¹
2. <u>Achillea millefolium</u>	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Anthoxanthum odoratum	25	Yes	FACU	data in Remarks or on a separate sheet)
4. Schizachyrium scoparium	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•

Profile Des Depth	cription: (Describe Matrix	to the de	-	ument t x Featui		ator or c	onfirm the absence of	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/2	100			С	М	Loamy/Clayey	Distinct redox concentrations
5-16	10YR 4/2	100			С	М	Sandy	Distinct redox concentrations
	<u></u>	·						
		·						
		·						
		·						
		·						
		·						
¹ Type: C-C	Concentration, D=Dep	lotion PM			kod San	d Graine	² Location:	PL=Pore Lining, M=Matrix.
	Indicators:			vio=ivias	skeu San	u Grains.		for Problematic Hydric Soils ³ :
Histoso			Polyvalue Belo	ow Surfa	ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		. , .	,		Prairie Redox (A16) (LRR K, L, R)
Black H	listic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA	149B) 5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S			-		ue Below Surface (S8) (LRR K, L)
	d Layers (A5)	<i></i>	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			nganese Masses (F12) (LRR K, L, R
	ark Surface (A12)		Depleted Matri		()			nt Floodplain Soils (F19) (MLRA 149
	Mucky Mineral (S1) Gleyed Matrix (S4)		Redox Dark Su Depleted Dark	`	,			podic (TA6) (MLRA 144A, 145, 149E rent Material (F21)
	Redox (S5)		Redox Depres					allow Dark Surface (F22)
	d Matrix (S6)		Marl (F10) (LR		-,			Explain in Remarks)
	urface (S7)			. ,			、	·
			etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
	Layer (if observed):							
Type:								
Depth (i	inches):						Hydric Soil Prese	nt? Yes <u>No X</u>
Remarks:								

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLI 2
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
	Long: -73.708249° Datum: WGS84
Soil Map Unit Name: W-Water	NWI classification: PSS1//EM1H
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Eastern Newt, 11 spotted salamander egg masses	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (E	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Irc	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	rks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	24
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes x No Depth (inches):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
1	

Sampling Point: WLI 2

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum	40	Yes	FAC	Number of Dominant Species
2				That Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 30 x 1 = 30
1				FACW species $0 x 2 = 0$
2				FAC species 40 x 3 = 120
3.				FACU species $0 x 4 = 0$
4				$\frac{1}{1} \frac{1}{1} \frac{1}$
				Column Totals: 70 (A) 150 (B)
6.				Prevalence Index = B/A = 2.14
7			·	Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Carex stricta	30	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	30	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				
· · · · · · · · · · · · · · · · · · ·				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	cription: (Describe t	to the dep	th needed to doc	ument t	he indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix			ox Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
						<u> </u>			
					·				
<u> </u>									
		<u> </u>			·				
		<u> </u>							
					·				
1 .	D. Deni		Destructed Matrix A		·		21 a satiant D	L. D. as I fails a M. Matala	
	oncentration, D=Depl	etion, Kivi=	=Reduced Matrix, in	<u>//S=Ivias</u>	sked Sand	d Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil			Daharahua Dak	···· Curfa				or Problematic Hydric Soils ³ :	-
Histosol		-	Polyvalue Belo		ice (58) (I	LRK K,		ick (A10) (LRR K, L, MLRA 149	
	pipedon (A2)		MLRA 149B					rairie Redox (A16) (LRR K, L, R)	
	stic (A3)	-	Thin Dark Surf					icky Peat or Peat (S3) (LRR K, I	
	n Sulfide (A4)	-	High Chroma S			-		e Below Surface (S8) (LRR K, L	.)
	d Layers (A5) d Balaw Dark Surface	- (^ 4 4)	Loamy Mucky			Κ, L)		k Surface (S9) (LRR K, L)	ים י
	d Below Dark Surface	(A11)	Loamy Gleyed		(F2)			nganese Masses (F12) (LRR K,	
	ark Surface (A12)	-	Depleted Matri					nt Floodplain Soils (F19) (MLRA	
	Nucky Mineral (S1)	-	Redox Dark Su					oodic (TA6) (MLRA 144A, 145, 1	(49B)
	Bleyed Matrix (S4)	-	Depleted Dark					ent Material (F21)	
	edox (S5)	-	Redox Depres		8)			allow Dark Surface (F22)	
	Matrix (S6)	-	Marl (F10) (LR	.K K, L)				xplain in Remarks)	
Dark Su	rface (S7)								
3Indicators o	f hudrophytic vocatati	ion and we	the second se	unt ha n	-coopt in	-loop diet	wheel or problematic		
		Ion and we	stlaha nyarology m	ust be p	resent, ur	ness also	urbed or problematic.		
	Layer (if observed):								
Type:									
Depth (ir	nches):		<u> </u>				Hydric Soil Preser	nt? Yes <u>X</u> No	
Remarks:									
Hydric soils	assumed-innundated								

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24
Applicant/Owner:	State: NY Sampling Point: WLI 2 UPL
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.):	Local relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.815183	
Soil Map Unit Name: W-Water	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly	
Are Vegetation, Soil, or Hydrologynaturally pr	
	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate repr Eastern newt, spotted salamander egg masses-11	ort.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1) Water-Stained Le	
High Water Table (A2) Aquatic Fauna (B Saturation (A3) Marl Deposits (B ⁴	
Water Marks (B1) Hydrogen Sulfide	
	bheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Redu	
	uction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in	
? Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
	nches):
	nches):
Saturation Present? Yes No X Depth (ir	nches): Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos nravious inspections) if available:
Describe Recorded Data (Stream gauge, monitoring won, achai pho	
Remarks: Photo 2838, Flags WLI 001-064	

Sampling Point: WLI 2 UPL

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Picea abies	<u>95</u>	Yes	UPL	
2. Prunus serotina	5	No	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
3.				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Rosa multiflora	10	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 15 x 4 = 60
4				UPL species 95 x 5 = 475
5				Column Totals: 110 (A) 535 (B)
6.				Prevalence Index = B/A = 4.86
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2.				 4 - Morphological Adaptations¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc Depth	cription: (Describe Matrix	to the de		u ment t l x Featur		ator or c	onfirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/2	100			С	М	Loamy/Clayey	Distinct redox concentrations
5-16	10YR 4/2	100			С	М	Sandy	Distinct redox concentrations
		·						
		·						
		·						
		·						
¹ Type: C=Co	oncentration, D=Dep	letion, RM	Reduced Matrix, N	/IS=Mas	ked San	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B					rairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Surf High Chroma S					ucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Loamy Mucky			-		ie Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			i (i (, ∟)		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		/			nt Floodplain Soils (F19) (MLRA 1491
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B
	leyed Matrix (S4)		Depleted Dark					rent Material (F21)
	edox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pi	resent, u	nless dis	urbed or problematic.	
	Layer (if observed):						•	
Type:								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>No X</u>
Remarks:								

Project/Site: Clear Property, 515 Woodstock Road, Millbrook City/County: T/o Washington/Dutchess Sampling Date:	05/01/24
Applicant/Owner: Tim and Johna Clear State: NY Sampling Point	
Investigator(s): M.S. Fishman Section, Township, Range: N/A	
	- 0/ -
	e %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.812123° Long: -73.710502° Datum:	WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky NWI classification: PFO1C	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks	s.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? Yes X	No
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important featu	res, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area Hydric Soil Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report.) Photo 2847, Flags WLJ 001-019	
HYDROLOGY	
Wetland Hydrology Indicators: Secondary Indicators (minimum of two response)	equired)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)	
X Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)	
High Water Table (A2)Aquatic Fauna (B13)Moss Trim Lines (B16)	
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)	
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)	
Sediment Deposits (B2)Oxidized Rhizospheres on Living Roots (C3)Saturation Visible on Aerial Imagery	(C9)
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)	
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarks)Microtopographic Relief (D4) X FAC-Neutral Test (D5)	
Field Observations:	
Surface Water Present? Yes X No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 2	
	No
Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X (includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

Red maple-Tussock sedge swamp, culvert flows out to pondsouth of road

Sampling Point: WLJ-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Acer rubrum	80	Yes	FAC				
2. Ulmus americana	5	No	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: (A)			
3.				Total Number of Dominant			
4.				Species Across All Strata: <u>2</u> (B)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)			
7				Prevalence Index worksheet:			
	85	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 70 x 1 = 70			
1				FACW species <u>5</u> x 2 = <u>10</u>			
2				FAC species 80 x 3 = 240			
3				FACU species 0 x 4 = 0			
4				UPL species 0 x 5 = 0			
5				Column Totals: 155 (A) 320 (B)			
6.		_ 		Prevalence Index = B/A = 2.06			
7				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%			
1. Carex stricta	60	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$			
2. Symplocarpus foetidus	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
3				•			
4				Problematic Hydrophytic Vegetation ¹ (Explain)			
5				¹ Indicators of hydric soil and wetland hydrology must			
6				be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8				Tree – Woody plants 3 in. (7.6 cm) or more in			
9				diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12		Total Cover		Herb – All herbaceous (non-woody) plants, regardless			
Woody Vine Stratum (Plot size: 5 m)	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
<u>Woody Vine Stratum</u> (Plot size: <u>5 m</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.							
3.				Hydrophytic Vegetation			
4.				Present? Yes X No			
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						
· · ·							

Profile Des Depth	cription: (Describe Matrix	to the de		ument t ox Featur		ator or c	onfirm the absence of	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/1	100			С	М	Loamy/Clayey	
5-14	10YR 5/1	90	10YR 6/8	10	С	М	Loamy/Clayey	Prominent redox concentrations
				_	_			
				_	_	_		
¹ Type: C=C	oncentration, D=Dep	letion, RM	Reduced Matrix, I	MS=Mas	ked San	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Histosol Histic E Black H Hydroge Stratifie Deplete Thick D Sandy M Sandy G Sandy F Stripped Dark Su ³ Indicators of Restrictive Type:	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) of hydrophytic vegetat Layer (if observed):	ion and w	Polyvalue Bela MLRA 149B Thin Dark Surf High Chroma 3 Loamy Mucky Loamy Gleyed X Depleted Matr Redox Dark Sr Depleted Dark Redox Depres Marl (F10) (LR etland hydrology m	s) face (S9 Sands (S Mineral I Matrix (ix (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LR (F1) (LR F2) 66) 9 (F7) 8)	, MLRA ⁻ R K, L) R K, L)	149B) 149B) 149B) 2 cm Mi 2 Coast P 7 Coast P Polyvalu Thin Da Iron-Ma Piedmo Mesic S Red Pai Very Sh Other (E	
Depth (i Remarks:	nches):						Hydric Soil Prese	ent? Yes <u>X</u> No

Project/Site: Clear P	Property, 515 Woodstock Road, Millbrook				City/County: T/o Wa	shington/Dutche	Sampling Date:	05/01/24	
Applicant/Owner:	Tim and Joh	hna Clear				State:	NY	Sampling Poin	nt: WLJ UPL
Investigator(s): M.S.	Fishman				Section, Tov	wnship, Range: <u>I</u>	√/A		
Landform (hillside, ter	rrace, etc.):			Local	l relief (concave, conve	x, none):		Slop	e %:
Subregion (LRR or MI	LRA): LRR	R, MLRA 144A	Lat: 41.81	12178°	Long:	-73.710566°		Datum:	WGS84
Soil Map Unit Name:	NwC-Nassa	au-Cardigan comr	olex, rolling,	very rocky		NWI classif	iication:	UPL	
Are climatic / hydrolog	gic conditions	s on the site typic:	al for this tin	ne of year?	Yes X	No	(If no, r	explain in Remark	<s.)< td=""></s.)<>
Are Vegetation	, Soil	, or Hydrology	signifi	icantly distu	rbed? Are "Norm	nal Circumstance	∍s" pres	sent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	natura	ally problem	atic? (If needed	d, explain any an	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS	- Attach site	map sho [,]	wing san	npling point locat	tions, transe	cts, in	nportant featu	ures, etc.
Hydrophytic Vegetati	ion Present?	Yes	No	х	Is the Sampled Ar	rea			
Hydric Soil Present?	2.	Yes		Х	within a Wetland?	? Yes		No <u>X</u>	
Wetland Hydrology F	Present?	Yes	No	Х	If yes, optional We	tland Site ID:			
Remarks: (Explain a Photo 2848, Flags W			in a separat	e report.)					

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed: check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Cravfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches): V	Vetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:		

Sampling Point: WLJ UPL

Tree Chesture (Distaire) 40 m)	Absolute	Dominant	Indicator	Deminence Test worksheet
<u>Tree Stratum</u> (Plot size: <u>10 m</u>)	% Cover	Species?	Status	Dominance Test worksheet:
Carya ovata 2.	15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Lonicera tatarica	20	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 35 x 4 = 140
4				UPL species 0 x 5 = 0
5				Column Totals: 35 (A) 140 (B)
6.				Prevalence Index = B/A = 4.00
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

		to the dep				ator or c	onfirm the absence of indic	cators.)	
Depth (inchoo)	Matrix Color (moist)	%	Color (moist)	x Featur %	res Type ¹	Loc ²	Texture	Remar	ko
(inches)				70				Remai	K5
0-5	10YR 4/3	100			<u> </u>	M	Loamy/Clayey		
5-13	10YR 5/4	100			С	Μ	Loamy/Clayey		
							······································		
		·				. <u></u>			
	oncentration, D=Dep	lation BM	-Roduced Metrix		kod Son	d Croine	² Location: PL=Por	a Lining M-Ma	triv
Hydric Soil				vio=ivias	keu San	u Grains.	Indicators for Pro		
Histosol			Polyvalue Belo	ow Surfa	ce (S8) (LRR R.		10) (LRR K, L, I	
	oipedon (A2)		MLRA 1498		() (,		Redox (A16) (LF	
Black Hi	stic (A3)		Thin Dark Surf	face (S9) (LRR R	, MLRA		eat or Peat (S3)	
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LR	R K, L)	Polyvalue Belo	w Surface (S8)	(LRR K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		ace (S9) (LRR	
	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)) (LRR K, L, R)
	ark Surface (A12)		Depleted Matr		-0)				9) (MLRA 149B)
	Aucky Mineral (S1) Gleyed Matrix (S4)		Redox Dark So Depleted Dark	•	,		Red Parent Ma		44A, 145, 149B)
	Redox (S5)		Redox Depres					Dark Surface (F	22)
	Matrix (S6)		Marl (F10) (LR		0)		Other (Explain		
	rface (S7)			, ,				,	
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology m	ust be p	resent, u	nless dis	urbed or problematic.		
	Layer (if observed):								
Туре:									
Depth (ir	nches):						Hydric Soil Present?	Yes	<u>No X</u>
Remarks:									

Project/Site: Clear Property, 515	5 Woodstock Road, Mill	lbrook (City/County: T/o Washington/Dutchess	Sampling Date: 05/01/24				
Applicant/Owner: Tim and Jo	ohna Clear		State: NY	Sampling Point: WLK-WET				
Investigator(s): M.S. Fishman	Section, Township, Range: N/A							
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none): Slope %:						
Subregion (LRR or MLRA): LRF	R R, MLRA 144A Lat:	41.813710°	Long:73.711767°	Datum: WGS84				
Soil Map Unit Name: NwC-Nass	sau-Cardigan complex, r	rolling, very rocky	NWI classification	n: PFO1/UB3C				
Are climatic / hydrologic condition	Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil	, or Hydrology	significantly disturbe	ed? Are "Normal Circumstances" pre	sent? Yes X No				
Are Vegetation, Soil	, or Hydrology	naturally problemati	c? (If needed, explain any answers	in Remarks.)				
SUMMARY OF FINDINGS	6 – Attach site map	o showing samp	ling point locations, transects, i	mportant features, etc.				
Hydrophytic Vegetation Present?	? Yes <u>X</u>	No	Is the Sampled Area					
Hydric Soil Present?	Yes X	No	within a Wetland? Yes X	No				
Wetland Hydrology Present?	Yes X	No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative pr	rocedures here or in a s	separate report.)						

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is r	Surface Soil Cracks (B6)	
Surface Water (A1)	X Water-Stained Leaves (B9)	X Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imager	(B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
? Sparsely Vegetated Concave Surface	ce (B8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No Depth (inches):	
Water Table Present? Yes	No Depth (inches):	
Saturation Present? Yes	No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
(
Describe Recorded Data (stream gauge	, monitoring well, aerial photos, previous inspe	ctions), if available:
	, monitoring well, aerial photos, previous inspec	ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007	, monitoring well, aerial photos, previous inspe	ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:
Describe Recorded Data (stream gauge Photo 2849, Flags WLK 001-007 Remarks:		ctions), if available:

Sampling Point: WLK-WET

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>10 m</u>)	% Cover	Species?	Status	Dominance Test worksheet:
Acer rubrum Fraxinus pennsylvanica	75 25	Yes Yes	FAC FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2			FACW	That Are OBL, FACW, or FAC:3 (A)
3		·		Total Number of Dominant
		·		Species Across All Strata: (B)
5		·		Percent of Dominant Species
6		·		That Are OBL, FACW, or FAC: 100.0% (A/B)
7		=Total Cover		Prevalence Index worksheet:
Conling/Chruh Stratum (Diataiza) 5 m	100			Total % Cover of:Multiply by:OBL species0x 1 =
Sapling/Shrub Stratum (Plot size: 5 m)	10	Vaa		
1. <u>Spiraea tomentosa</u>	10	Yes	FACW	FACW species 35 $x 2 = 70$
2		·		FAC species 75 $x 3 = 225$
3		·		FACU species $0 x4 = 0$
4		•		UPL species $0 \times 5 = 0$
5		·		Column Totals: 110 (A) 295 (B)
6.		·		Prevalence Index = B/A = 2.68
7		·		Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1		·		X_3 - Prevalence Index is ≤3.0 ¹
2		·		4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4.		• <u> </u>		Problematic Hydrophytic Vegetation ¹ (Explain)
5		• <u> </u>		
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7		·		Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		·		diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2		·		Live restance
3		·		Hydrophytic Vegetation
4		·		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Deso Depth	cription: (Describe Matrix	to the de		ument t x Featur		ator or c	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			С	М	Loamy/Clayey	
5-14	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
	· · · · · · · · · · · · · · · · · · ·						·	
							·	
	· · · · · · · · · · · · · · · · · · ·							
							·	
							·	
							·	
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, I	MS=Mas	ked San	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ice (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149E Thin Dark Sur	,		MIDA		rairie Redox (A16) (LRR K, L, R) icky Peat or Peat (S3) (LRR K, L, R)
	istic (A3) en Sulfide (A4)		High Chroma		, ,			e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			-		rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			IX IX, E)		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matr		()			nt Floodplain Soils (F19) (MLRA 149B)
	/ucky Mineral (S1)		Redox Dark S		-6)			podic (TA6) (MLRA 144A, 145, 149B)
Sandy C	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	ent Material (F21)
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
	d Matrix (S6)		Marl (F10) (LF	R K, L)			Other (E	xplain in Remarks)
Dark Su	Irface (S7)							
³ Indicators o	of hydrophytic ycantot	ion and w	otland hydrology m	uct ha n	rocont u	nloce die	turbed or problematic.	
	Layer (if observed):		elland hydrology m	usi be p	ieseni, u			
Type:								
	nches):						Hydric Soil Prese	nt? Yes_X_No
Remarks:								
Remarks:								

Project/Site: Clear Pro	operty, 515 \	Noodstock Road	I, Mill	brook	City/County:	T/o Wa	ashingt	ton/Dutch	iess	Samp	ling Date:	05/01/24
Applicant/Owner: <u>T</u>	Tim and Joh	na Clear						State	e: NY	Sar	npling Poir	nt: WLK UPL
Investigator(s): M.S. Fishman S							ownshir	p, Range	: <u>N/A</u>			
Landform (hillside, terrace, etc.):Local relie						e, conve	ex, nor	ne):	,		Slop	pe %:
Subregion (LRR or MLR	₹A): <u>LRR I</u>	R, MLRA 144A	Lat:	41.813639°		Long:	: -73.7	711761°			Datum:	WGS84
Soil Map Unit Name: N	wC-Nassa	u-Cardigan comp	olex, r	olling, very rocky			11	NWI clas	sification	ו: <u>UPL</u>		
Are climatic / hydrologic	conditions	on the site typica	al for	this time of year?	Ye	es <u>X</u>		No	(If no,	, explain	n in Remar	ks.)
Are Vegetation,	Soil	, or Hydrology		significantly disturb	ed? A	re "Norr	mal Cir	rcumstar	ices" pre	sent?	Yes X	No
Are Vegetation,	Soil	, or Hydrology		naturally problemat	tic? (I	f neede	ed, expl	lain any a	answers	in Rema	arks.)	
SUMMARY OF FIN	DINGS -	- Attach site	map	showing same	pling poin	t loca	itions	s, trans	ects, ir	mport	ant feat	ures, etc.
Hydrophytic Vegetation		Yes		No <u>X</u>	Is the San	•				Na	~	

Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	No X No X	within a Wetland? Yes No _ X If yes, optional Wetland Site ID:	_
Remarks: (Explain alternative procedu Photo 2850, Flags WLK 001-007	ires here or in a	separate report.)		

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
? Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches): Wetla	nd Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspections), if	available:
Remarks:		

Sampling Point: WLK UPL

· · · · ·	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	25	Yes	FACU	Number of Dominant Species
2. Quercus palustris	10	Yes	FACW	That Are OBL, FACW, or FAC:(A)
3. Betula lenta	10	Yes	FACU	Total Number of Dominant
4	,			Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 33.3% (A/B)
7	,			Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1				FACW species 10 x 2 = 20
2.				FAC species 0 x 3 = 0
3.				FACU species 35 x 4 = 140
4.				UPL species $0 \times 5 = 0$
5.	,			Column Totals: 45 (A) 160 (B)
6.				Prevalence Index = $B/A = 3.56$
7.				Hydrophytic Vegetation Indicators:
	,	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 1 m)				2 - Dominance Test is >50%
· · · · · · · · · · · · · · · · · · ·				3 - Prevalence Index is $\leq 3.0^1$
1				4 - Morphological Adaptations ¹ (Provide supporting
2	,			data in Remarks or on a separate sheet)
3.				
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.	,			
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.	-			
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.	•			
12.		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size: 5 m)	1			of size, and woody plants less than 3.28 ft tall.
,				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3.				Vegetation
4				Present? Yes <u>No X</u>
	1	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des Depth	cription: (Describe) Matrix	to the de		cument t ox Featur		ator or c	onfirm the absence of ind	icators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/3	100	i		С	М	Loamy/Clayey	
5-14	10YR 4/4	100			С	М	Loamy/Clayey	
							·	
		·					<u> </u>	
							·	
		·			·			
¹ Type: C=C	Concentration, D=Dep	letion, RN	Л=Reduced Matrix, №	MS=Mas	sked San	d Grains.	² Location: PL=Po	ore Lining, M=Matrix.
-	Indicators:							oblematic Hydric Soils ³ :
Histoso			Polyvalue Belo		ıce (S8) (LRR R,		(10) (LRR K, L, MLRA 149B)
	pipedon (A2) listic (A3)		MLRA 149B Thin Dark Surf	,	I) (LRR R			Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S					low Surface (S8) (LRR K, L)
	ed Layers (A5)		Loamy Mucky			-		rface (S9) (LRR K, L)
	ed Below Dark Surface	ə (A11)	Loamy Gleyed			,,		ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	· · ·	Depleted Matri		(,			odplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su		-6)			(TA6) (MLRA 144A , 145 , 149B)
Sandy (Gleyed Matrix (S4)		Depleted Dark	Surface	ə (F7)		Red Parent M	laterial (F21)
	Redox (S5)		Redox Depress					Dark Surface (F22)
	d Matrix (S6)		Marl (F10) (LR	≀R K, L)			Other (Explain	ו in Remarks)
Dark Su	urface (S7)							
³ Indicators (of hydrophytic yeartai	tion and w	watland bydrology m	uct ha n	rocont II	inlace die	turbed or problematic.	
	Layer (if observed):		lelland hydrology m	usi be p	lesent, a			
Туре:								
Depth (i	inches):						Hydric Soil Present?	Yes NoX
Remarks:								
riomanio.								

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24
Applicant/Owner:Tim and Johna Clear	State: NY Sampling Point: WLL-WET
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.): basin Local	relief (concave, convex, none): concave Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.814097°	Long: -73.712006° Datum: WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: PFO1/UB3C
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.) no egg masses, filamentous algae; Photo 2851, Flags WLL 001-009	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (I	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A2) Marl Donosite (B15)	Dry Season Water Table (C2)

				alie i auria (D10)			,		
Saturation (A3)			Marl	Deposits (B15)			Dry-Season Water Table (C2)		
Water Marks (B1)			Hydr	ogen Sulfide Odor (C	21)		Crayfish Burrows (C8))	
Sediment Deposits (B2	<u>?</u>)		Oxid	ized Rhizospheres or	n Living R	coots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)			Pres	ence of Reduced Iror	n (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4))		Rece	ent Iron Reduction in	Tilled Soi	ils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)			Thin	Muck Surface (C7)			Shallow Aquitard (D3))	
Inundation Visible on A	erial Im	agery (B	7) Othe	er (Explain in Remark	s)		Microtopographic Reli	ief (D4)	
Sparsely Vegetated Co	oncave S	Surface (B8)				FAC-Neutral Test (D5	5)	
Field Observations:									
Surface Water Present?	Yes	Х	No	Depth (inches):	16				
Water Table Present?	Yes		No	Depth (inches):					
Saturation Present?	Yes	Х	No	Depth (inches):	0	Wetlan	d Hydrology Present?	Yes X No	
(includes capillary fringe)	-								
Describe Recorded Data (s	stream g	auge, m	onitoring we	ell, aerial photos, prev	ious insp	ections), if a	available:		
Remarks:									
Vernal pool along west of p	roperty								

Sampling Point: WLL-WET

Trop Stratum (Plat aize: 10 m)	Absolute	Dominant	Indicator	Deminence Test werkeheet
<u>Tree Stratum</u> (Plot size: <u>10 m</u>) 1. Acer rubrum	% Cover 15	Species? Yes	Status FAC	Dominance Test worksheet:
Fraxinus americana	10	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:2(A)
3		103	1700	
				Total Number of Dominant Species Across All Strata: 3 (B)
				()
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 10 x 1 = 10
1				FACW species 0 x 2 = 0
2.				FAC species 15 x 3 = 45
3.				FACU species 10 $x 4 = 40$
4.				UPL species 0 x 5 = 0
5.				Column Totals: 35 (A) 95 (B)
6.				Prevalence Index = B/A = 2.71
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)		•		X 2 - Dominance Test is >50%
1. Carex stricta	10	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.		·		be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2		<u> </u>		I halman hadia
3				Hydrophytic Vegetation
4		<u> </u>		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation	rate sheet.)			·

		to the de				ator or c	onfirm the absence of	of indicators.)
Depth	Matrix			x Featur		. 2	- /	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			C	M	Loamy/Clayey	
5-14	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
<u> </u>								
17 0.0						<u> </u>	2	
	oncentration, D=Dep	letion, RN	EReduced Matrix, I	NS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil Histosol			Polyvalue Belo	w Surfa	(82) (uck (A10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B		100 (00) (rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Sur	,) (LRR R	, MLRA		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma					ue Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	l Matrix ((F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matr				Piedmo	nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark S		,			podic (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark					rent Material (F21)
	edox (S5) Matrix (S6)		Redox Depres Marl (F10) (LR		8)			allow Dark Surface (F22) Explain in Remarks)
	rface (S7)			. n n, ∟)				
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
Restrictive I	Layer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
1								

Project/Site: Clear Property, 515	5 Woodstock Road, Mill	brook	City/County: T/o Wa	ashington/Dutche	SS S	Sampling Date: ()5/01/24
Applicant/Owner: Tim and Jo	ohna Clear			State:	NY	Sampling Point:	WLL UPL
Investigator(s): M.S. Fishman			Section, To	wnship, Range: <u>N</u>	N/A		
Landform (hillside, terrace, etc.):		Local r	I relief (concave, convex, none):Slope				
Subregion (LRR or MLRA): LRF	र R, MLRA 144A Lat:	41.814040°	Long:	-73.712033°		Datum: \	WGS84
Soil Map Unit Name: NwC-Nass	au-Cardigan complex, r	rolling, very rocky		NWI classif	ication:	UPL	
Are climatic / hydrologic condition	is on the site typical for	this time of year?	Yes X	No	(If no, e	explain in Remarks	.)
Are Vegetation, Soil	, or Hydrology	significantly disturb	bed? Are "Norr	nal Circumstance	es" prese	ent? Yes X	No
Are Vegetation, Soil	, or Hydrology	naturally problema	tic? (If neede	d, explain any ans	swers in	Remarks.)	
SUMMARY OF FINDINGS	– Attach site map	showing sam	pling point loca	tions, transe	cts, im	portant featur	es, etc.
Hydrophytic Vegetation Present	? Yes	No_X_	Is the Sampled A	rea			
Hydric Soil Present?	Yes	No X	within a Wetland	? Yes		No X	

Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures Photo 2852, Flags WLL 001-009	here or in a s	eparate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)		
? Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches): Wetlar	nd Hydrology Present? Yes <u>No X</u>		
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspections), if	available:		
Remarks:				

Sampling Point: WLL UPL

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus rubra	80	Yes	FACU	
2. Acer saccharum	15	No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Berberis thunbergii	5	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 100 x 4 = 400
4.				UPL species 0 x 5 = 0
5.				Column Totals: 100 (A) 400 (B)
6.				Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1.				3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1			. <u> </u>	height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des Depth	cription: (Describe Matrix	to the de	•	ument t x Featu		ator or c	onfirm the absence of indic	cators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0-5	10YR 4/3	100			С	М	Loamy/Clayey		
5-16	10YR 4/4	100			С	М	Loamy/Clayey		
	- <u> </u>								
		·					· ·		
		·							
	<u></u>								
	- <u></u>	·					·		
		·							
	<u></u>								
¹ Type: C-C	Concentration, D=Dep	letion RM		/S-Mas	ked San	d Grains	² Location: PL=Por	e Lining M-Ma	trix
	Indicators:			10-11123			Indicators for Pro		
Histoso			Polyvalue Belo	ow Surfa	ice (S8) (LRR R,		0) (LRR K, L, M	
	pipedon (A2)		MLRA 149B					Redox (A16) (LF	
	listic (A3)		Thin Dark Surf					eat or Peat (S3)	
	en Sulfide (A4)		High Chroma			-		w Surface (S8)	
	d Layers (A5) d Below Dark Surface	≏ (A11)	Loamy Mucky Loamy Gleyed			r r , L)		ace (S9) (LRR se Masses (F12	n, L)) (LRR K, L, R)
	ark Surface (A12)	6 (ATT)	Depleted Matri		(1 2)				9) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Si		=6)				4A, 145, 149B)
Sandy (Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Ma	aterial (F21)	
	Redox (S5)		Redox Depres		8)			Dark Surface (F2	22)
	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)	
Dark Su	urface (S7)								
³ Indicators of	of hydrophytic vegeta	tion and w	etland hydrology m	ust be p	resent. u	nless dis	turbed or problematic.		
	Layer (if observed):								
Type:									
Depth (inches):						Hydric Soil Present?	Yes	No <u>X</u>
Remarks:									

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLM-WET
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.):	elief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.814236°	Long: -73.711394° Datum: WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: PFO1/UB3C
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problemat	
SUMMARY OF FINDINGS – Attach site map showing same	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
15 Spotted salamander egg masses, 1 tubular egg mass (Jefferson's salam	nander), filamentous algae grows here too but deeper water is clearer;
Photo 2853, Flags WLM 001-011	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (B	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2)Oxidized Rhizospheres of Drift Deposits (B3) Presence of Reduced Iron	
	· · · · · · · · · · · · · · · · · · ·
Algal Mat or Crust (B4) Recent Iron Reduction in Iron Deposits (B5) Thin Muck Surface (C7)	Tilled Soils (C6) Geomorphic Position (D2) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
? Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes X No Depth (inches):	10
Surface Water Present? Yes X No Depth (inches): Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	
Vernal pool	

Sampling Point: WLM-WET

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>10 m</u>)	% Cover	Species?	Status	Dominance Test worksheet:
Acer rubrum Quercus alba	<u> </u>	Yes Yes	FAC FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
	10	165	FACU	That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant Species Across All Strata: 4 (B)
5				Species Across All Strata:(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Vaccinium corymbosum	10	Yes	FACW	FACW species 10 x 2 = 20
2.				FAC species 20 x 3 = 60
3.				FACU species 10 x 4 = 40
4.				UPL species 0 x 5 = 0
5				Column Totals: 40 (A) 120 (B)
6.				Prevalence Index = B/A = 3.00
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1				X_3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1. Smilax rotundifolia	10	Yes	FAC	height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separation	rate sheet.)			

	ption: (Describe	to the de				ator or c	onfirm the absence o	of indicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			С	М	Loamy/Clayey	
5-16	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
·		·						
·								
·								
<u> </u>								
·								
·								
		·						
¹ Type: C=Con	centration D=Dep	letion RM	Reduced Matrix, N	/S=Mas	ked San	Grains	² Location: P	- PL=Pore Lining, M=Matrix.
Hydric Soil In				10-11100				or Problematic Hydric Soils ³ :
Histosol (A	A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Epip	oedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
Black Hist			Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		High Chroma S			-		ie Below Surface (S8) (LRR K, L)
	ayers (A5)	- () 4 4)	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
· · ·	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	k Surface (A12) cky Mineral (S1)		X Depleted Matri Redox Dark St		5			nt Floodplain Soils (F19) (MLRA 149B)
	eyed Matrix (S4)		Depleted Dark	•	,			podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21)
Sandy Red			Redox Depres					allow Dark Surface (F22)
Stripped N			Marl (F10) (LR		0)			Explain in Remarks)
Dark Surfa			(1.10) (110	, _,				
[<u> </u>								
³ Indicators of h	nydrophytic vegetat	tion and w	etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
	yer (if observed):							
Type:								
Depth (inc	hes):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear P	roperty, 515	Woodstock Road	I, Millbrook	City/County: T/o Was	City/County: T/o Washington/Dutchess Sam				
Applicant/Owner:	Tim and Joh	na Clear			State:	NY	Sampling Poin	it: WLM UPL	
Investigator(s): M.S.	Fishman			Section, Tow	/nship, Range: <u>N/</u>	A			
Landform (hillside, ter	rrace, etc.):		Lo	ocal relief (concave, conve	<, none):		Slop	e %:	
Subregion (LRR or MI	LRA): LRR	R, MLRA 144A	Lat: 41.814228°	Long:	-73.711306°		Datum:	WGS84	
Soil Map Unit Name:	NwC-Nassa	u-Cardigan comp	olex, rolling, very roc	cky	NWI classific	ation: I	UPL		
Are climatic / hydrolog	gic conditions	on the site typica	al for this time of yea	ear? Yes <u>X</u>	No (lf no, ex	plain in Remark	<s.)< td=""></s.)<>	
Are Vegetation	, Soil	, or Hydrology	significantly d	disturbed? Are "Norm	al Circumstances	" preser	nt? Yes X	No	
Are Vegetation	, Soil	, or Hydrology	naturally prob	blematic? (If needed	, explain any ansv	wers in F	Remarks.)		
SUMMARY OF F		- Attach site	map showing s	sampling point locati	ions, transect	ts, imp	portant featu	ures, etc.	
Hydrophytic Vegetati	ion Present?	Yes	No X	Is the Sampled Are	ea				
Hydric Soil Present?	i.	Yes	No X	within a Wetland?	Yes_		No <u>X</u>		
Wetland Hydrology F	Present?	Yes	No X	If yes, optional Wet	land Site ID:				
	Remarks: (Explain alternative procedures here or in a separate report.) Photo 2854, Flags WLM 001-011								

Wether dilbedrete webs die sterre					
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
? Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if	available:		
Remarks:					
Oak birch forest					

Sampling Point: WLM UPL

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	80	Yes	FACU	Number of Dominant Species
2. Betula lenta	10	No	FACU	That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1. Berberis thunbergii	5	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 95 x 4 = 380
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 95 (A) 380 (B)
6				Prevalence Index = $B/A = 4.00$
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
				3 - Prevalence Index is $\leq 3.0^1$
				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				1

0-5 10YR 4/3 100 C M Loamy/Clayey 5-16 10YR 4/4 100 C M Loamy/Clayey	
5-16 10YR 4/4 100 C M Loamy/Clayey	Remarks
'Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Ma Hydric Soil Indicators: Indicators for Problematic Hydr Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Mucky Matrix (S4) Depleted Dark Surface (F7) Stripped Matrix (S4) Matri (F10) (LRR K, L) Other (S5) Redox Dark Surface (F7) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Matri (F10) (LRR K, L) Stripped Matrix (S6) Matrix (F2) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix (S6) Matrix (F2) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix	
Hydric Soil Indicators: Indicators for Problematic Hydri Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, I) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12 Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 14 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F2) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) alindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	
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Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes	
Restrictive Layer (if observed):	,
Restrictive Layer (if observed):	
Type:	
Depth (inches): Yes	
Remarks:	s NoX

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	
Anglians (Openang) Time and Jakan Olang	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLN-WET
Investigator(s): M.S. Fishman	Section, Township, Range: N/A
Landform (hillside, terrace, etc.):	al relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.814105°	Long: <u>-73.710793°</u> Datum: WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: PFO1/UB3C
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally probler	matic? (If needed, explain any answers in Remarks.)
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Photo 2860, Flags WLN 001-007	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves	s (B9) X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo	Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere	Moss Trim Lines (B16) Dry-Season Water Table (C2) (C1) S on Living Roots (C3) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced	Moss Trim Lines (B16) Dry-Season Water Table (C2) (C1) S on Living Roots (C3) Iron (C4) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction	Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) s on Living Roots (C3) Iron (C4) Stunted or Stressed Plants (D1) on Tilled Soils (C6)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction Iron Deposits (B5) Thin Muck Surface (C	Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) s on Living Roots (C3) Iron (C4) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) T) Shallow Aquitard (D3)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction	Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) s on Living Roots (C3) Iron (C4) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) T) Shallow Aquitard (D3)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction Iron Deposits (B5) Thin Muck Surface (C Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	Moss Trim Lines (B16)Dry-Season Water Table (C2)crayfish Burrows (C8)s on Living Roots (C3)Saturation Visible on Aerial Imagery (C9)Iron (C4)to in Tilled Soils (C6)Geomorphic Position (D2)7)Shallow Aquitard (D3)aarks)Microtopographic Relief (D4)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction Iron Deposits (B5) Thin Muck Surface (C Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inchesting)	Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) s on Living Roots (C3) Iron (C4) n in Tilled Soils (C6) 7) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo Sediment Deposits (B2) Oxidized Rhizosphere Drift Deposits (B3) Presence of Reduced Algal Mat or Crust (B4) Recent Iron Reduction Iron Deposits (B5) Thin Muck Surface (C Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inchest Water Table Present? Yes No Depth (inchest	Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) s on Living Roots (C3) Iron (C4) n in Tilled Soils (C6) 7) shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) S:
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Sampling Point: WLN-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus alba	10	Yes	FACU	
2				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3		·		Total Number of Dominant Species Across All Strata: 2 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.		·		Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species $0 x 1 = 0$
1.				FACW species 15 $x 2 = 30$
2.		·		FAC species $0 x 3 = 0$
3.				FACU species 10 x 4 = 40
4.		. <u> </u>		UPL species $0 \times 5 = 0$
		·		Column Totals: 25 (A) 70 (B)
		·		Prevalence Index = $B/A = 2.80$
7		·		Hydrophytic Vegetation Indicators:
7		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 1 m)	·			2 - Dominance Test is >50%
1 Sabagaum	15	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2		·		4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7	·			Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		·		diameter at breast height (DBH), regardless of height.
10	. <u> </u>			Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	15	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Destroy bod's
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover	_	
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			,

Profile Desc Depth	ription: (Describe	to the de	-	ument t x Featur		ator or c	onfirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	% N T Calu	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			C	M	Loamy/Clayey	
5-16	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
¹ Type: C=Co	oncentration, D=Depl	etion. RN		MS=Mas	ked San	d Grains	² Location: P	PL=Pore Lining, M=Matrix.
Hydric Soil I				no-mao				or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		, ,			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma			-		e Below Surface (S8) (LRR K, L)
	l Layers (A5)	(111)	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
	l Below Dark Surface Irk Surface (A12)	e (A11)	Loamy Gleyed X Depleted Matri		F2)			nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Si		-6)			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	•	,			ent Material (F21)
	edox (S5)		Redox Depres					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		,			Explain in Remarks)
	face (S7)							
		ion and v	vetland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
	_ayer (if observed):							
Type:								
	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear F	ct/Site: Clear Property, 515 Woodstock Road, Millbrook						City/County: T/o Washington/Dutchess Sampling Date:				
Applicant/Owner:	Tim and Jo	hna Clear					Sta	te: NY	Sampling Poin	t: WLN UPL	
Investigator(s): M.S.	Fishman					Section, To	wnship, Rang	je: <u>N/A</u>			
Landform (hillside, ter	rrace, etc.):	Local relief (concave, convex, none): Slope %:								e %:	
Subregion (LRR or M	LRA): <u>LRR</u>	R, MLRA 144A	Lat: 4	1.814091°		Long:	-73.710865	,	Datum:	WGS84	
Soil Map Unit Name:	p Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky NWI classification: UPL										
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)								(s.)			
Are Vegetation	on, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? Yes X No							No			
Are Vegetation	, Soil	, or Hydrology	n	aturally proble	matic?	(If needed	d, explain any	answers	in Remarks.)		
SUMMARY OF F	SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								ıres, etc.		
Hydrophytic Vegetat	ion Present?	Yes		No_X_	ls th	e Sampled A	rea				
Hydric Soil Present?	1	Yes		No X	with	in a Wetland	? `	Yes	<u>No X</u>		
Wetland Hydrology F	Present?	Yes		No <u>X</u>	lf ye	s, optional We	tland Site ID:	:			
· ·	Remarks: (Explain alternative procedures here or in a separate report.) Photo 2861, Flags WLN 001-007										
										I	

Wether differences in the disease					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
? Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	nd Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if	available:		
Remarks:					
Oak hickory forest					

Sampling Point: WLN UPL

· · · ·	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	35	Yes	FACU	Number of Dominant Species
2. Quercus alba	20	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)
3. <u>Carya glabra</u>	10	No	FACU	Total Number of Dominant
4.				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	65	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3.				FACU species 65 x 4 = 260
4.				UPL species 0 x 5 = 0
5.				Column Totals: 65 (A) 260 (B)
6.				Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
2				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				
1				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Versteller
4.				Vegetation Present? Yes No X
···		=Total Cover		
Remarks: (Include photo numbers here or on a sepa		-1010.00.00		
	Idle Sheet.			

Depth	Cription: (Describe Matrix	to the de		u ment t x Featui		ator or c	onfirm the absence of indi	cators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-5	10YR 4/3	100			С	М	Loamy/Clayey		
5-16	10YR 4/4	100			С	М	Loamy/Clayey		
		·							
	·	·							
		. <u> </u>							
	· · · · · · · · · · · · · · · · · · ·								
17				10 14-1			21	and the factor and the Address	
Hydric Soil	oncentration, D=Dep	letion, RIV	Reduced Matrix, N	/IS=IVIas	sked San	d Grains.		re Lining, M=Matrix.	s ³ .
Histosol			Polyvalue Belo	w Surfa	ice (S8) (LRR R,		10) (LRR K, L, MLRA	
	pipedon (A2)		MLRA 149B		() (,		Redox (A16) (LRR K, L	
	istic (A3)		Thin Dark Surf					eat or Peat (S3) (LRR	
	en Sulfide (A4)		High Chroma S					ow Surface (S8) (LRR	K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		face (S9) (LRR K, L)	
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			se Masses (F12) (LRR	
	ark Surface (A12) /lucky Mineral (S1)		Depleted Matri Redox Dark St		-			odplain Soils (F19) (ML (TA6) (MLRA 144A, 1 4	
	Gleyed Matrix (S4)		Depleted Dark	`	,		Red Parent M		43, 149D)
	Redox (S5)		Redox Depres					Dark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR		-,		Other (Explain		
	irface (S7)		、 , 、	. ,			、 、	,	
			etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.		
	Layer (if observed):								
Type:									
Depth (i	nches):						Hydric Soil Present?	Yes No	<u>×</u>
Remarks:									

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24					
Applicant/Owner: Tim and Johna Clear	State: NY Sampling Point: WLO-WET					
Investigator(s): M.S. Fishman	Section, Township, Range: N/A					
	elief (concave, convex, none): Slope %:					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.814173°	Long: -73.710086° Datum: WGS84					
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky	NWI classification: PFO1/UB3C					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly disturbuted as the design of the						
Are Vegetation, Soil, or Hydrologynaturally problemat						
SUMMARY OF FINDINGS – Attach site map showing same	oling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
no egg masses; algae; Photo 2862, Flags WLO 001-019						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
X Surface Water (A1) Water-Stained Leaves (B	9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospheres or	n Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iror						
Algal Mat or Crust (B4) Recent Iron Reduction in						
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes X No Depth (inches):						
Water Table Present? Yes No Depth (inches): Output Yes No Depth (inches):						
Saturation Present? Yes X No Depth (inches): (includes capillary fringe)	0 Wetland Hydrology Present? Yes X No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections) if available:					
Remarks:						
Vernal pool, horseshoe shaped						

Sampling Point: WLO-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus alba	10	Yes	FACU	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 75.0% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 15 x 1 = 15
1. Vaccinium corymbosum	10	Yes	FACW	FACW species 10 x 2 = 20
2				FAC species 10 x 3 = 30
3				FACU species 10 x 4 = 40
4				UPL species 0 x 5 = 0
5				Column Totals: 45 (A) 105 (B)
6				Prevalence Index = B/A = 2.33
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Carex stricta	15	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	15	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1. Smilax rotundifolia	10	Yes	FAC	height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
	10	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

	ption: (Describe	to the de				ator or c	onfirm the absence o	of indicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			С	М	Loamy/Clayey	
5-16	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
·								
·								
·								
<u> </u>								
·								
·								
		·						
¹ Type: C=Con	centration D=Dep	letion RM	Reduced Matrix, N	/S=Mas	ked San	Grains	² Location: P	- PL=Pore Lining, M=Matrix.
Hydric Soil In				10-11100				or Problematic Hydric Soils ³ :
Histosol (A	A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Epip	oedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
Black Hist			Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		High Chroma S			-		ie Below Surface (S8) (LRR K, L)
	ayers (A5)	- () 4 4)	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
· · ·	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	k Surface (A12) cky Mineral (S1)		X Depleted Matri Redox Dark St		5			nt Floodplain Soils (F19) (MLRA 149B)
	eyed Matrix (S4)		Depleted Dark	•	,			podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21)
Sandy Red			Redox Depres					allow Dark Surface (F22)
Stripped N			Marl (F10) (LR		0)			Explain in Remarks)
Dark Surfa			(1.10) (110	, _,				
[<u> </u>								
³ Indicators of h	nydrophytic vegetat	tion and w	etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
	yer (if observed):							
Type:								
Depth (inc	hes):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear Property, 515 \	Noodstock Road, Mil	lbrook	City/County: T/o Washington/Dutchess	Sampling Date: 05/01/24					
Applicant/Owner: Tim and Joh	na Clear		State: NY	Sampling Point: WLO UPL					
Investigator(s): M.S. Fishman			Section, Township, Range: <u>N/A</u>						
Landform (hillside, terrace, etc.):		Local	relief (concave, convex, none):	Slope %:					
Subregion (LRR or MLRA): LRR F	R, MLRA 144A Lat:	41.814089°	Long: <u>-73.710113°</u>	Datum: WGS84					
Soil Map Unit Name: <u>NwC-Nassau</u>	u-Cardigan complex,	rolling, very rocky	NWI classification:	UPL					
Are climatic / hydrologic conditions	on the site typical for	this time of year?	Yes X No (If no, e	explain in Remarks.)					
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Normal Circumstances" pres	ent? Yes X No					
Are Vegetation, Soil	, or Hydrology	naturally problema	atic? (If needed, explain any answers in	n Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area						
Hydric Soil Present?	Yes	No X	within a Wetland? Yes	No <u>X</u>					
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:						

Remarks: (Explain alternative procedures here or in a separate report.)	
Photo 2863, Flags WLO 001- 019	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
High Water Table (A2)	Water-Stained Leaves (B9) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
? Sparsely Vegetated Concave Surface (B	B)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if available:
Remarks:		

Sampling Point: WLO UPL

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Quercus rubra	<u>35</u>	Yes	FACU				
2. Quercus alba	15	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)			
3		·					
A				Total Number of Dominant Species Across All Strata: 4 (B)			
5.				、			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)			
7				Prevalence Index worksheet:			
	50	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0			
1. Viburnum acerifolium	10	Yes	UPL	FACW species 0 x 2 = 0			
2. Berberis thunbergii	10	Yes	FACU	FAC species $0 x 3 = 0$			
3.				FACU species 60 x 4 = 240			
4.				UPL species 10 x 5 = 50			
5.				Column Totals: 70 (A) 290 (B)			
6.				Prevalence Index = $B/A = 4.14$			
7.		·		Hydrophytic Vegetation Indicators:			
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50%			
1				3 - Prevalence Index is ≤3.0 ¹			
2		·		4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
4.		·		Problematic Hydrophytic Vegetation ¹ (Explain)			
5 6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7.		·		Definitions of Vegetation Strata:			
8		·	. <u> </u>	Tree – Woody plants 3 in. (7.6 cm) or more in			
9		·		diameter at breast height (DBH), regardless of height.			
10 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.				Herb – All herbaceous (non-woody) plants, regardless			
		=Total Cover		of size, and woody plants less than 3.28 ft tall.			
<u>Woody Vine Stratum</u> (Plot size: <u>5 m</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.		·					
3.				Hydrophytic			
4.		·		Vegetation Present? Yes No X			
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						

0-5 10YR 4/3 100 C M Loamy/Clayey 5-16 10YR 4/4 100 C M Loamy/Clayey	
5-16 10YR 4/4 100 C M Loamy/Clayey	Remarks
'Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Ma Hydric Soil Indicators: Indicators for Problematic Hydr Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Mucky Matrix (S4) Depleted Dark Surface (F7) Stripped Matrix (S4) Matri (F10) (LRR K, L) Other (S5) Redox Dark Surface (F7) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Matri (F10) (LRR K, L) Stripped Matrix (S6) Matrix (F2) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix (S6) Matrix (F2) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix	
Hydric Soil Indicators: Indicators for Problematic Hydri Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, I) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12 Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 14 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F2) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) alindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	
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Restrictive Layer (if observed):	,
Restrictive Layer (if observed):	
Type:	
Depth (inches): Yes	
Remarks:	s NoX

Project/Site: Clear Property, 515 Woodstock R	toad, Millbrook C	City/County: <u>T/o Wash</u>	nington/Dutchess	Sampling Date: 05/	/01/24
Applicant/Owner: Tim and Johna Clear			State: NY	Sampling Point:	WLP-WET
Investigator(s): M.S. Fishman		Section, Towr	nship, Range: N/A		
Landform (hillside, terrace, etc.):	Local re	lief (concave, convex,	none):	Slope %:	
Subregion (LRR or MLRA): LRR R, MLRA 144	A Lat: 41.814717°	Long:	73.710408°	Datum: W0	GS84
Soil Map Unit Name: NwC-Nassau-Cardigan c	omplex, rolling, very rocky		NWI classification:	PFO1/UB3H	
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	Yes X	No (If no, e	explain in Remarks.)	
Are Vegetation, Soil, or Hydrolog	gy significantly disturbe	ed? Are "Norma	l Circumstances" pres		D
Are Vegetation, Soil, or Hydrolog			explain any answers ir		
SUMMARY OF FINDINGS – Attach si					s otc
		ing point locatio			5, 610.
	es X No	Is the Sampled Are	а		
	es X No	within a Wetland?	Yes X	No	
Wetland Hydrology Present? Y	es X No	If yes, optional Wetla	and Site ID:		
HYDROLOGY					
Wetland Hydrology Indicators:		5	Secondary Indicators (I	minimum of two requi	red)
Primary Indicators (minimum of one is required	; check all that apply)		Surface Soil Crack	s (B6)	
X Surface Water (A1)	Water-Stained Leaves (B9))	Drainage Patterns	(B10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (E	316)	
Saturation (A3)	Marl Deposits (B15)	_	Dry-Season Water	Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C	1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on	Living Roots (C3)	Saturation Visible of	on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	(C4)	Stunted or Stresse	d Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in T	Filled Soils (C6)	Geomorphic Positi	on (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	_	Shallow Aquitard (I	D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	;)	Microtopographic F	Relief (D4)	
Sparsely Vegetated Concave Surface (B8)		_	X FAC-Neutral Test ((D5)	
Field Observations:					

Surface Water Present?	Yes X	No	Depth (inches): 24		
Water Table Present?	Yes	No	Depth (inches):		
Saturation Present?	Yes X	No	Depth (inches): 0	Wetland Hydrology Present?	Yes X No
(includes capillary fringe)					

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Southern tip of pond at north end of property. Red maple/white oak swamp

Sampling Point: WLP-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	20	Yes	FAC	
2. Quercus alba	10	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:4(A)
3.				Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)
7				Prevalence Index worksheet:
	30	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 45 45
1. Vaccinium corymbosum	10	Yes	FACW	FACW species 15 x 2 = 30
2				FAC species 20 x 3 = 60
3				FACU species 10 x 4 = 40
4				UPL species 0 x 5 = 0
5				Column Totals: 90 (A) 175 (B)
6				Prevalence Index = B/A = 1.94
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1. Carex stricta	30	Yes	OBL	X_3 - Prevalence Index is $\leq 3.0^1$
2. Symplocarpus foetidus	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Typha latifolia	5	No	OBL	data in Remarks or on a separate sheet)
4. Rhododendron viscosum	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6			·	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Cription: (Describe	to the de		ument t		ator or c	onfirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			С	М	Loamy/Clayey	
5-16	10YR 4/3	90	10YR 5/6	10	С	<u>M</u>	Loamy/Clayey	Distinct redox concentrations
·		_		_	_			
·				_				
¹ Type: C=C	oncentration, D=Dep	letion, RM	Reduced Matrix, N	MS=Mas	ked San	d Grains.		PL=Pore Lining, M=Matrix.
Black H Hydroge Depleter Thick Da Sandy M Sandy G Sandy F Stripped Dark Su	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Aucky Mineral (S1) Bleyed Matrix (S4) Redox (S5) d Matrix (S6) irface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR	ace (S9) Sands (S Mineral Matrix (ix (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LR (F1) (LR F2) 66) 9 (F7) 8)	, MLRA ⁻ R K, L) R K, L)	? Coast P 5 cm Mu Polyvalu Thin Dai Iron-Mai Piedmor Mesic S Red Par Very Sh	uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) Explain in Remarks)
Type:	Layer (if observed):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								

Project/Site: Clear P	roperty, 515 V	Noodstock Road,	, Millbrook	City/Co	City/County: <u>T/o Washington/Dutchess</u> Sampling Date: <u>05/01</u>				
Applicant/Owner:	Tim and Joh	na Clear				State:	NY	Sampling Poir	nt: WLP UPL
Investigator(s): M.S.	Fishman				_Section, Tov	wnship, Range:	N/A		
Landform (hillside, ter	rrace, etc.):			Local relief (co	cal relief (concave, convex, none):Slope %:				
Subregion (LRR or MI	LRA): LRR [R, MLRA 144A	Lat: 41.814635°	0	Long:	-73.710446°		Datum:	WGS84
Soil Map Unit Name: NwC-Nassau-Cardigan complex, rolling, very rocky NWI classification: UPL									
Are climatic / hydrolog	gic conditions	on the site typica	I for this time of	year?	Yes X	No	(If no, •	explain in Remark	ks.)
Are Vegetation	, Soil	, or Hydrology	significantly	y disturbed?	Are "Norm	al Circumstanc	es" pres	sent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally pr	roblematic?	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF F	INDINGS -	- Attach site r	nap showing	g sampling	point locat	ions, transe	cts, in	nportant feat	ures, etc.
Hydrophytic Vegetati	ion Present?	Yes	No X	Is the	e Sampled Ar	ea			
Hydric Soil Present?	i.	Yes			in a Wetland?	? Yes	;	No <u>X</u>	
Wetland Hydrology F	Present?	Yes	No X	If yes	s, optional Wet	tland Site ID:			
Remarks: (Explain a Photo 2868, Flags W		cedures here or ir	n a separate repo	ort.)					

Sampling Point: WLP UPL

	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:				
1. Quercus montana	25	Yes	UPL	Number of Dominant Species				
2. Quercus alba	10	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)			(A)	
3. Betula lenta	5	No	FACU	Total Number of D	ominant			
4. Prunus serotina	10	Yes	FACU				(B)	
5				Percent of Domina	ant Spacies			
6.							(A/B)	
7.				Prevalence Index worksheet:				
		=Total Cover		Total % Cover of: Multiply by:		tiply by:		
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species	0	x 1 =		
1. Viburnum acerifolium	15	Yes	UPL	FACW species		x 2 =		
2. Vaccinium angustifolium	30	Yes	FACU	FAC species		x 3 =		
3				FACU species		x 4 =		_
				UPL species		x 5 =		
4 5				Column Totals:		(A)	420	(P)
· · · · · · · · · · · · · · · · · · ·								(B)
6				Prevalence Index = B/A = 4.42				
7				Hydrophytic Vege				
	45	=Total Cover		1 - Rapid Test			etation	
Herb Stratum (Plot size: 1 m)				2 - Dominance	e Test is >50	%		
1				3 - Prevalence	e Index is ≤3.	0 ¹		
2				4 - Morphologi				porting
3				data in Rem	narks or on a	separa	te sheet)	
4				Problematic H	ydrophytic V	egetatio	n ¹ (Expla	uin)
5				¹ Indicators of hydri	ic soil and we	etland h	vdroloav	must
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7.				Definitions of Vegetation Strata:				
8.				Tree – Woody pla	nte 3 in (76	cm) or r	noro in	
9.				diameter at breast				neight.
10.								
11.				Sapling/shrub – V and greater than o				л
12.				-				
		=Total Cover		Herb – All herbace of size, and woody	``			ardless
Woody Vine Stratum (Plot size: 5 m)								
1.				Woody vines – Al height.	I woody vine	s greate	r than 3.	28 ft in
				neight.				
2				Hydrophytic				
3.				Vegetation				
4				Present?	Yes	No_	X	
		=Total Cover						
Remarks: (Include photo numbers here or on a sepa	rate sheet.)							

Profile Des Depth	cription: (Describe Matrix	to the de	•	ument t x Featu		ator or c	onfirm the absence of indic	cators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	rks	
0-5	10YR 4/3	100			С	М	Loamy/Clayey			
5-16	10YR 4/4	100			С	М	Loamy/Clayey			
	<u> </u>									
		·					· ·			
	<u> </u>	·								
	<u></u>									
	- <u></u>	·								
		·								
¹ Type: C-C	Concentration, D=Dep	letion RM		/S-Mas	ked San	d Grains	² Location: PL=Por	e Lining M-Ma	atrix	
	Indicators:			10-11123			² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :			
Histoso			Polyvalue Belo	ow Surfa	ice (S8) (LRR R,		0) (LRR K, L, I		
	pipedon (A2)		MLRA 149B				Coast Prairie Redox (A16) (LRR K, L, R)			
	listic (A3)		Thin Dark Surf) (LRR K, L, R)	
	en Sulfide (A4)		High Chroma			-		w Surface (S8)		
	d Layers (A5) d Below Dark Surface	≏ (A11)	Loamy Mucky Loamy Gleyed			r r , L)		ace (S9) (LRR se Masses (F12	K , L) 2) (LRR K, L, R)	
	ark Surface (A12)	6 (ATT)	Depleted Matri		(1 2)				9) (MLRA 149B)	
	Mucky Mineral (S1)		Redox Dark Si		=6)				44A, 145, 149B)	
Sandy (Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Ma	aterial (F21)		
	Redox (S5)		Redox Depres		8)			Dark Surface (F	22)	
	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)		
Dark Su	urface (S7)									
³ Indicators (of hydrophytic vegeta	tion and w	etland hydrology m	ust he n	resent u	nless dis	turbed or problematic.			
	Layer (if observed):		olana nyarology m	<u>uot bo p</u>	rooont, u					
Type:	· · · ·									
Depth (inches):						Hydric Soil Present?	Yes	No X	
Remarks:										
rtomanto.										

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Clear Property, 515	Woodstock Road, Mill	brook	City/County: T/o Washington/Dutchess	Sampling Date: 05/01/24							
Applicant/Owner: Tim and Jo	ohna Clear		State: NY	Sampling Point: WLQ-WET							
nvestigator(s): M.S. Fishman Section, Township, Range: N/A											
Landform (hillside, terrace, etc.):		Local r	elief (concave, convex, none):	Slope %:							
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	41.814787°	Long: <u>-73.709676°</u>	Datum: WGS84							
Soil Map Unit Name: NwC-Nassa	au-Cardigan complex, r	rolling, very rocky	NWI classification	: PFO1/UB3H							
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes X No (If no,	explain in Remarks.)							
Are Vegetation, Soil	, or Hydrology	significantly disturb	Ded? Are "Normal Circumstances" pres	sent? Yes X No							
Are Vegetation, Soil	, or Hydrology	naturally problemat	tic? (If needed, explain any answers i	in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.											
Hydrophytic Vegetation Present?	? Yes <u>X</u>	No	Is the Sampled Area								
Hydric Soil Present?	Yes X		within a Wetland? Yes X	No							
Wetland Hydrology Present?	Yes X	No	If yes, optional Wetland Site ID:								

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicate	ors:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum	of one is requir	Surface Soil Cracks (B6)				
X Surface Water (A1)		Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)		Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)		Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)		Oxidized Rhizospheres on Living I	Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)		Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)		Recent Iron Reduction in Tilled Sc	oils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)		Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Ae	ial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
? Sparsely Vegetated Con	cave Surface (B	38)		FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present?	Yes X	No Depth (inches): 24				
Water Table Present?	Yes	No Depth (inches):				
Saturation Present?	Yes X	No Depth (inches):0	Wetlar	and Hydrology Present? Yes X No		
(includes capillary fringe)						
Describe Recorded Data (stre	0 0 .	nitoring well, aerial photos, previous ins	pections), if	available:		
	0 0 .	nitoring well, aerial photos, previous ins	pections), if	available:		
Describe Recorded Data (stre	0 0 .	nitoring well, aerial photos, previous ins	pections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	pections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001-	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		
Describe Recorded Data (stre Photo 2871, Flags WLQ 001- Remarks:	0 0 .	nitoring well, aerial photos, previous ins	Dections), if	available:		

VEGETATION – Use scientific names of plants.

Sampling Point: WLQ-WET

Tree Stretum (Plateizer 10 m)	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>10 m</u>) 1. Acer rubrum	<u>% Cover</u> 10	Species? Yes	Status FAC	
2. Quercus alba	10	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:3(A)
3.	10	100		
				Total Number of Dominant Species Across All Strata: 4 (B)
				· · /
				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
				Prevalence Index worksheet:
7		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				$\begin{array}{c} \hline \\ \hline $
1. Vaccinium corymbosum	5	Yes	FACW	FACW species 5 $x 2 = 10$
2		·		FAC species $30 \times 3 = 90$
3.		·		FACU species 10 $x 4 = 40$
4		·		UPL species $0 \times 5 = 0$
5.				Column Totals: 45 (A) 140 (B)
6.		·		Prevalence Index = $B/A = 3.11$
7.		·		Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)				X 2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1. Smilax rotundifolia	20	Yes	FAC	height.
2				Understadie
3				Hydrophytic Vegetation
4				Present? Yes X No
	20	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc Depth	cription: (Describe) Matrix	to the de		ument t ox Featur		ator or c	onfirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	% 1 eatur	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100			C	M	Loamy/Clayey	
5-16	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
							·	
							· ·	
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, I	MS=Mas	ked San	d Grains.	² Location: P	PL=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Sur		, ,		· · · · · · · · · · · · · · · · · · ·	ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		High Chroma S			-		ie Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11) م	Loamy Gleyed			Γ Γ, Ε)		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	5 (711)	X Depleted Matr		12)			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark S		-6)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)			ent Material (F21)
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
	l Matrix (S6)		Marl (F10) (LR	RR K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
³ Indiactora a	f hydrophytic ycertet	ion ond u	atland budralagy m	ust ha a	recent	alaaa dia	turbed or problematic	
	Layer (if observed):		eliand hydrology m	ust be p	resent, u	niess dis	turbed or problematic.	
Type:								
•	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
Remarks.								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Clear P	roperty, 515	City/County:	<u> </u>	ashington/Dutches	S	Sampling Date:	05/01/24			
Applicant/Owner:	Tim and Joh	na Clear					State:	NY	Sampling Poin	nt: WLQ UPL
Investigator(s): M.S.	Fishman				Sect	ion, Tov	wnship, Range: <u>N</u>	J/A		
Landform (hillside, terrace, etc.):Local relief (concave, convex, none):S								Slop	be %:	
Subregion (LRR or MI	LRA): LRR	R, MLRA 144A	Lat: 41.8	14807°		Long:	-73.709779°		Datum:	WGS84
Soil Map Unit Name:	NwC-Nassa	u-Cardigan comp	lex, rolling	, very rocky			NWI classifi	cation:	UPL	
Are climatic / hydrolog	gic conditions	on the site typica	al for this ti	me of year?	Ye	s <u>X</u>	No	(lf no, e	explain in Remarl	ks.)
Are Vegetation	, Soil	, or Hydrology	signi	ficantly dist	urbed? Ar	e "Norn	mal Circumstance	s" prese	ent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	natu	rally probler	natic? (If	needeo	d, explain any ans	wers in	Remarks.)	
SUMMARY OF F		- Attach site	map sho	owing sar	mpling point	locat	tions, transec	rts, im∶	portant feat	ures, etc.
Hydrophytic Vegetati	ion Present?	Yes	No	»X	Is the Sam	pled Ar	rea			
Hydric Soil Present?	1	Yes	No) <u>X</u>	within a W	etland	? Yes		No <u>X</u>	
Wetland Hydrology F	Present?	Yes	Nc	<u> X </u>	If yes, optio	nal We	etland Site ID:			
Remarks: (Explain a Photo 2872, Flags W			n a separa	ite report.)						

HYDROLOGY

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
Surface Water (A1)	Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim Lines (B16)			
Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	()	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	(00)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)			Microtopographic Relief (D4)	
? Sparsely Vegetated Concave Surface (B			FAC-Neutral Test (D5)	
Field Observations:	,			
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes No X	
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if	available:	
		<i>, , , , , , , , , ,</i>		
Remarks:				
Vernal pool				

VEGETATION – Use scientific names of plants.

Sampling Point: WLQ UPL

· · · · ·	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus montana	15	Yes	UPL	Number of Dominant Species
2. Quercus alba	20	Yes	FACU	That Are OBL, FACW, or FAC: (A)
3. <u>Carya glabra</u>	15	Yes	FACU	Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 35 x 4 = 140
4.				UPL species 15 x 5 = 75
5				Column Totals: 50 (A) 215 (B)
				Prevalence Index = $B/A = 4.30$
				Hydrophytic Vegetation Indicators:
7		Total Cavar		
Ligh Strature (Distaine)		=Total Cover		 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
Herb Stratum (Plot size: 1 m)				—
1				3 - Prevalence Index is ≤3.0 ¹
2				 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3				
4.	·			Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				the base had be
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
	,			

0-5 10YR 4/3 100 C M Loamy/Clayey 5-16 10YR 4/4 100 C M Loamy/Clayey	
5-16 10YR 4/4 100 C M Loamy/Clayey	Remarks
'Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Ma Hydric Soil Indicators: Indicators for Problematic Hydr Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Mucky Matrix (S4) Depleted Dark Surface (F7) Stripped Matrix (S4) Matri (F10) (LRR K, L) Other (S5) Redox Dark Surface (F7) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Matri (F10) (LRR K, L) Stripped Matrix (S6) Matrix (F2) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix (S6) Matrix (F2) Dark Surface (S7) Very Shallow Dark Surface (F7) Stripped Matrix	
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Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes	
Restrictive Layer (if observed):	,
Restrictive Layer (if observed):	
Type:	
Depth (inches): Yes	
Remarks:	s NoX

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Clear Property, 515 Woodstock Road, Millbrook	City/County: T/o Washington/Dutchess Sampling Date: 05/01/24					
Applicant/Owner:Tim and Johna Clear	State: NY Sampling Point: WLR-WET					
Investigator(s): M.S. Fishman	Section, Township, Range: N/A					
Landform (hillside, terrace, etc.):	relief (concave, convex, none):Slope %:					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 41.815097°	Long: -73.709015° Datum: WGS84					
Soil Map Unit Name: <u>NwC-Nassau-Cardigan complex, rolling, very rocky</u>	NWI classification: PSS1B					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly distur						
Are Vegetation, Soil, or Hydrologynaturally problem						
	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID: No					
Remarks: (Explain alternative procedures here or in a separate report.)						
L HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
X Surface Water (A1) Water-Stained Leaves (
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor	(C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospheres						
Drift Deposits (B3) Presence of Reduced Ir	ron (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Recent Iron Reduction i						
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remain						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes X No Depth (inches)						
Water Table Present? Yes No Depth (inches)						
Saturation Present? Yes X No Depth (inches)	Wetland Hydrology Present? Yes X No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro						
Describe Recorded Data (stream gauge, monitoring well, aenai priotos, pre	evious inspections), il available.					
Remarks:						
Red maple-buttonbush swamp						

VEGETATION – Use scientific names of plants.

Sampling Point: WLR-WET

Tree Stratum (Plot size: 10 m)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	30	Yes	FAC	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	30	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 35 x 1 = 35
1. Vaccinium corymbosum	15	Yes	FACW	FACW species 15 x 2 = 30
2. Cephalanthus occidentalis	20	Yes	OBL	FAC species 30 x 3 =90
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 80 (A) 155 (B)
6.				Prevalence Index = $B/A = 1.94$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 m)	,			X 2 - Dominance Test is >50%
	15	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2		·		4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	15	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 5 m)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2	,			I halman hadin
3	,			Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover	_	
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Deso Depth	cription: (Describe Matrix	to the de		ument t ox Featur		ator or c	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100	i		С	М	Loamy/Clayey	
5-16	10YR 4/3	90	10YR 5/6	10	С	М	Loamy/Clayey	Distinct redox concentrations
	· · · · · · · · · · · · · · · · · · ·						·	
	· · · · · · · · · · · · · · · · · · ·						·	
							·	
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, I	MS=Mas	ked San	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 1498 Thin Dark Surf	,		MIDA		rairie Redox (A16) (LRR K, L, R) icky Peat or Peat (S3) (LRR K, L, R)
	istic (A3) en Sulfide (A4)		High Chroma		, ,			e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			-		rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			IX IX, E)		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	5 (711)	X Depleted Matr		/			nt Floodplain Soils (F19) (MLRA 149B)
	/ucky Mineral (S1)		Redox Dark S		-6)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)			ent Material (F21)
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
	l Matrix (S6)		Marl (F10) (LR	RR K, L)			Other (E	xplain in Remarks)
Dark Su	Irface (S7)							
³ Indiantara a	f hydrophytic ycertet	tion and u	atland budralagy m	ust ha a	recent	alaaa dia	turbed or problematic	
	Layer (if observed):		etiand hydrology m	ust be p	resent, u	niess als	turbed or problematic.	
Type:	Layer (ii observeu).							
•	nches):						Hydric Soil Preser	nt? Yes_X_No
Remarks:								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Clear F	Site: Clear Property, 515 Woodstock Road, Millbrook					o Was	shington/Dutche	SS	Sampling Date:	05/01/24
Applicant/Owner:	Tim and Johr	na Clear					State:	NY	Sampling Poir	nt: WLR UPL
Investigator(s): M.S.	Fishman				Section	n, Tov	vnship, Range: <u>I</u>	√/A		
Landform (hillside, terrace, etc.): Local relief (concave, convex, none): Slope %:									oe %:	
Subregion (LRR or M	LRA): LRR F	₹, MLRA 144A	Lat: 41.81510)4°	L	.ong:	-73.709096°		Datum:	WGS84
Soil Map Unit Name:	NwC-Nassau	J-Cardigan comp	lex, rolling, ver	ry rocky			NWI classif	ication:	UPL	
Are climatic / hydrolog	gic conditions	on the site typica	al for this time	of year?	Yes	Х	No	(If no,	explain in Remarl	ks.)
Are Vegetation	, Soil	, or Hydrology	significar	ntly disturbe	d? Are '	"Norm	al Circumstance	∍s" pres	sent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally	problematic	;? (If ne	eeded	l, explain any an	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site	map showi	ng samp	ling point le	ocat	ions, transe	cts, in	nportant feat	ures, etc.
Hydrophytic Vegetat	ion Present?	Yes	No X	x	Is the Sample	ed Ar	ea			[
Hydric Soil Present?	I.	Yes	No X	<	within a Wet	land?	Yes		No <u>X</u>	
Wetland Hydrology F	Present?	Yes	NoX	<u><</u>	If yes, optiona	al We	tland Site ID:			
Remarks: (Explain a Photo 2876, Flags W		cedures here or i	n a separate re	eport.)						

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
Surface Water (A1)Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)			
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	6) Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)				
		FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes		Vetland Hydrology Present? Yes No X		
(includes capillary fringe)		· · · · · · · · · · · · · · · · · · ·		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspection	ns), if available:		
Remarks:				
Oak heath forest				

VEGETATION – Use scientific names of plants.

Sampling Point: WLR UPL

	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 10 m)	% Cover	Species?	Status	Dominance Test worksheet:	:		
1. Quercus rubra	40	Yes	FACU	Number of Dominant Species			
2.				That Are OBL, FACW, or FAC): 	0	(A)
3				Total Number of Dominant			
4				Species Across All Strata:		2	(B)
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC): <u> </u>).0%	(A/B)
7				Prevalence Index worksheet	t:		
	40	=Total Cover		Total % Cover of:	Mult	tiply by:	
Sapling/Shrub Stratum (Plot size: 5 m)				OBL species 0	x 1 =	0	
1. Vaccinium angustifolium	80	Yes		FACW species 0	x 2 =	0	
2				FAC species 0	x 3 =	0	
3.				FACU species 40	x 4 =	160	
4.				UPL species 0	x 5 =	0	
5.				Column Totals: 40	(A)	160	(B)
6.				Prevalence Index = B/	_		
7.				Hydrophytic Vegetation Indi			
		=Total Cover		1 - Rapid Test for Hydropi		etation	
Herb Stratum (Plot size: 1 m)				2 - Dominance Test is >50		oranon	
				3 - Prevalence Index is ≤3			
				4 - Morphological Adaptat		wide sur	nortina
				data in Remarks or on			porting
				Problematic Hydrophytic	Voqotatio	n ¹ (Evola	vin)
					-		
		· · · · · · · · · · · · · · · · · · ·		¹ Indicators of hydric soil and w be present, unless disturbed c			must
						ialic.	
7		·		Definitions of Vegetation St	rata:		
8				Tree – Woody plants 3 in. (7.6			
9		·		diameter at breast height (DB	H), regard	diess of r	neight.
10		· . <u> </u>		Sapling/shrub – Woody plant			ЪВН
11				and greater than or equal to 3	.28 ft (1 n	n) tall.	
12		·		Herb – All herbaceous (non-w	/oody) pla	ants, rega	ardless
		=Total Cover		of size, and woody plants less	; than 3.2	8 ft tall.	
Woody Vine Stratum (Plot size: 5 m)				Woody vines - All woody vine	es greate	r than 3.	28 ft in
1				height.			
2				Hydrophytic			
3				Vegetation			
4				Present? Yes	No	Х	
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•			

Depth C 0-5	10YR 4/3 1	Color (mo 00 00 00 00	Redox Featu bist) %	Type1 C C	<u>Loc²</u> <u>M</u> <u>M</u>	Texture Loamy/Clayey Loamy/Clayey	Remarks
	10YR 4/4 1		 	<u> </u>	<u> </u>	Loamy/Clayey	
			 		·		
				·			
						··	
				. <u> </u>			
				·			
					<u> </u>		
				·			
¹ Type: C=Concen	tration, D=Depletion	n, RM=Reduced M	latrix, MS=Mas	sked Sand	Grains.	² Location: PL=Pore	Lining, M=Matrix.
Hydric Soil Indica						Indicators for Prob	lematic Hydric Soils ³ :
Histosol (A1)			le Below Surfa	ace (S8) (I	_RR R,	·)) (LRR K, L, MLRA 149B)
Histic Epipedo			A 149B)				edox (A16) (LRR K, L, R)
Black Histic (A			rk Surface (S9				at or Peat (S3) (LRR K, L, R)
Hydrogen Sulf			roma Sands (-		/ Surface (S8) (LRR K, L)
Stratified Laye			Mucky Mineral		κκ, L)		ce (S9) (LRR K, L)
	w Dark Surface (A1		Gleyed Matrix (d Matrix (E3)	(FZ)			Masses (F12) (LRR K, L, R)
Thick Dark Su Sandy Mucky			d Matrix (F3) Dark Surface (F	=6)			plain Soils (F19) (MLRA 149B) (A6) (MLRA 144A, 145, 149B)
Sandy Mucky			d Dark Surface (i	,		Red Parent Mat	
Sandy Redox			Depressions (F				ark Surface (F22)
Stripped Matrix			0) (LRR K, L)			Other (Explain in	
Dark Surface (,, , ,				,
		and wetland hydrol	ogy must be p	resent, ur	nless distu	urbed or problematic.	
Restrictive Layer	(if observed):						
Туре:							
Depth (inches)						Hydric Soil Present?	Yes <u>No X</u>
Remarks:							

APPENDIX B WETLAND AND UPLAND SAMPLE POINT PHOTOS

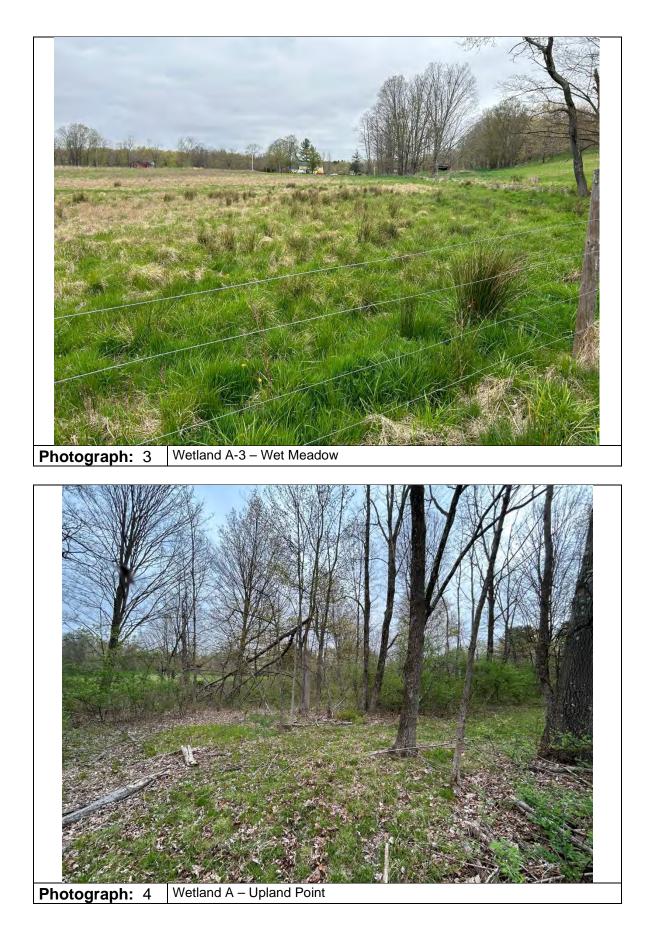


Edgewood Environmental Consulting, LLC

Thinking outside.























Photograph: 12 Filamentous blue-green algae in Wetland D





Photograph: 14





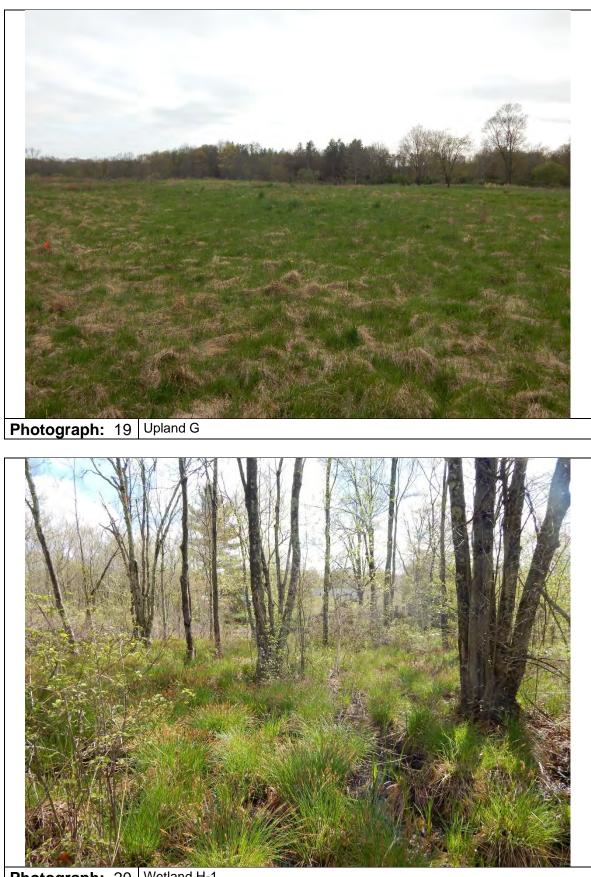










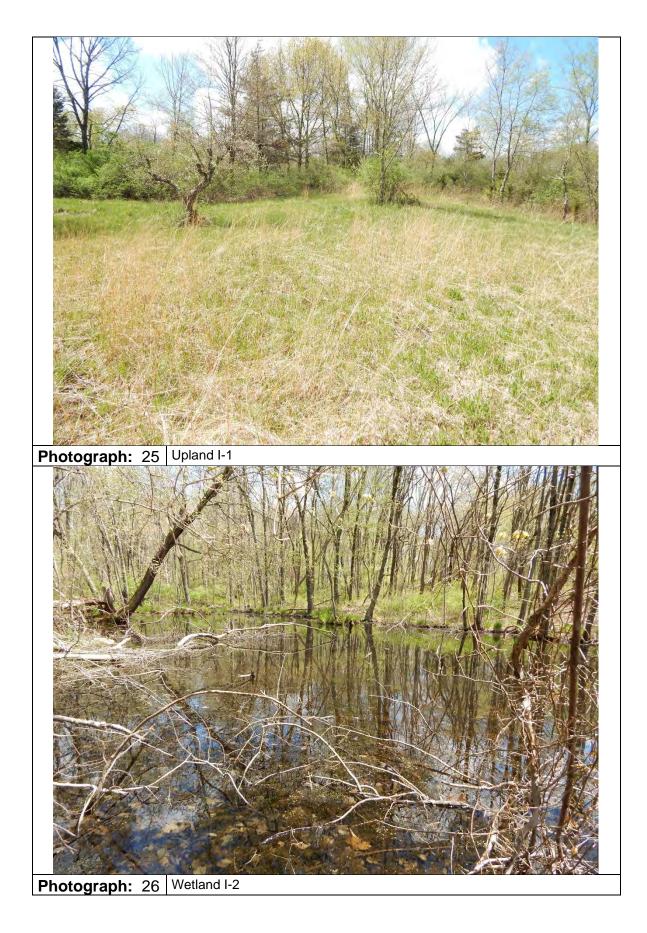


Photograph: 20 Wetland H-1





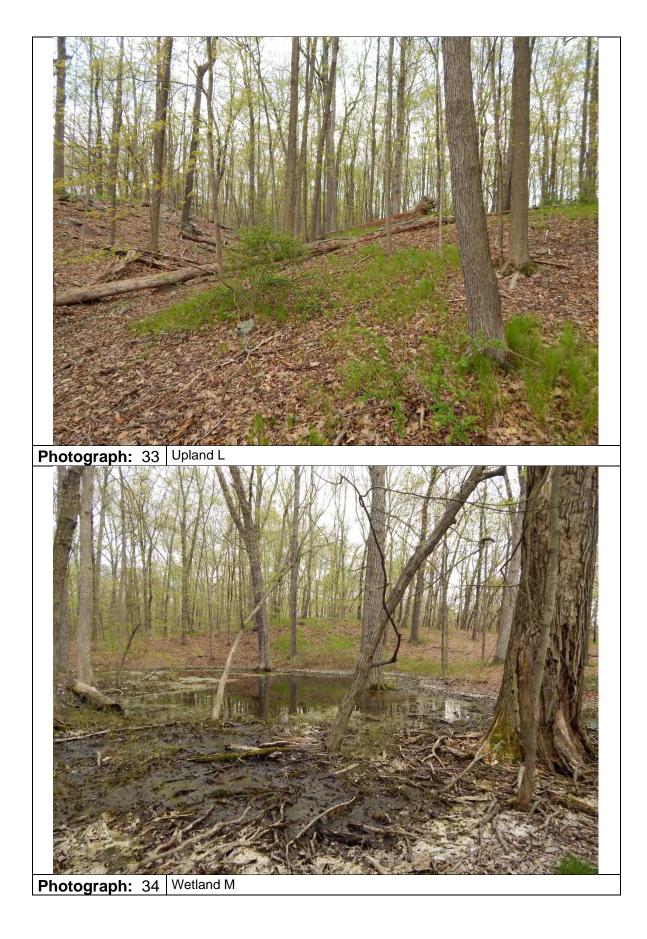


























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Edgewood Environmental Consulting, LLC

Thinking outside.