Federal Wetland Delineation Report

For

Westbrook - Canandaigua Town of Canandaigua Ontario County New York

Prepared for:

Greg Westbrook 3316 West Lake Road Canandaigua, NY 14424

Prepared by:

BME | ASSOCIATES

ENGINEERS . SURVEYORS . LANDSCAPE ARCHITECTS

10 Lift Bridge Lane East Fairport, NY 14450 (585) 377-7360

Contact Person:

Martin Janda mjanda@bmepc.com (585) 377-7360

Project No. 2089-35 July 2016

TABLE OF CONTENTS

Narrative

Introduction			•••••••••••••••••••••••••••••••••••••••	
Agency Resource	ce Information			
Methodology				
Site Ecology				
Water Resource	Descriptions		5-6	
Conclusions				
References				
Appendices				
Appendix A	<u>Figures</u>			
	Figure 1-	Aerial Location Map		
	Figure 2 –	USGS Quadrangle Location Map		
	Figure 3 –	National Wetlands Inventory Map		
	Figure 4 –	NYSDEC Freshwater Wetlands Map		
	Figure 5 –	NRCS Soil Survey Map,		
		Soil Hydric Ratings		
	Figure 6 –	Photo Location Map		
	Figure 7 –	Delineation Map		
	Figure 8 -	FEMA Floodplain Map		
Appendix B	Site Photog	raphs		
Appendix C	Data Forms			

INTRODUCTION

Greg Westbrook contracted BME Associates (BME) to examine and delineate the wetlands that occur on a ± 29.5 acre property north of County Route 46 and west of County Route 10 in the Town of Canandaigua, Ontario County, New York (see Appendix A). The wetlands that exist on the site are palustrine forested, scrub-shrub and emergent. The site is former agricultural field. On behalf of Greg Westbrook, we are requesting an approved jurisdictional determination (JD) for the subject site.

The presence and location of wetlands was determined using methods established in the 1987 Corps of Engineers Wetlands Delineation Manual, 2012 North Central and Northeast Region Supplement, and other current applicable guidelines. The results of the delineation study are contained in this report.

AGENCY RESOURCE INFORMATION

Prior to initiating the field wetland delineation study, BME reviewed the following background information:

- GIS Aerial Photo of the Site (Figure 1) The majority of the site is upland scrub-shrub or early successional forest bordered on the south by Route 46 and the east by Route 10.
- U.S. Geological Survey (USGS) 7.5 minute topographic series was reviewed (Canandiagua Quadrangle) to assist with drainage patterns and the presence of streams and other water bodies and to provide reference to general site location (see Figure 2). The USGS topographic map indicates one stream in the southern portion of the site. The overall site generally drains east to west.
- U.S. Fish and Wildlife Service National Wetlands Inventory (NWI) map, dated July 12, 2016, was reviewed to assess the location of mapped Federal wetlands (see Figure 3). The NWI map does not indicate the presence of federal wetlands on the subject site.

New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map was also reviewed to determine the presence of any mapped NYSDEC wetlands on the project site (see Figure 4). The wetland map indicates a stream in t southern portion of the site and a check zone extending onto the site. It appears that on-site wetlands are more than 165 feet from any existing state wetlands and would not be subject to State jurisdiction.

- The Natural Resources Conservation Service (NRCS) Soil Survey was used to locate any hydric soils, or soils with potential hydric inclusions. The soils map indicates the presence of the following soils: Collamer silt loam with a hydric rating of 0, Lakemont silty clay loam with a hydric rating of 95, Odessa silt loam with a hydric rating of 3, and Lima loam with a hydric rating of 0 (see Figure 5).
- The Federal Emergency Management Agency Flood Map was used to determine the location of flood prone areas where wetlands may exist. The community panel number is 360598 0020 C and the effective date is April 17, 1078 with a map revision on March 3, 1997. The Flood Map shows a flood area along the tributary in the southern portion of the site (see Figure 8).

METHODOLOGY

BME conducted the federal wetland delineation for the site according to methods described in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual, the 2012 North Central and Northeast Region Supplement, and the 2014 U.S. Army Corps of Engineers New York State Wetland Plant List. A survey of the site was conducted to determine the presence of waters of the U.S. and potential wetland areas. Where potential wetlands were found, pairs of sample points were established using a 2-inch soil auger and shovel to document soil and hydrological conditions in both the upland and wetland communities. One sample point was located within the wetland community while a second point was located within the upland community.

Site hydrology was evaluated by measuring the depth to free water and saturated soils for each test pit, as well as noting additional wetland hydrology indicators. Soils were evaluated by comparing soils taken from the test pits with *Munsell Soil Color Charts* (X-Rite Incorporated, revised 2009), as well as evaluating additional hydric soil indicators.

At each data sampling location, a list of dominant plants was documented and the percent of cover for each species was estimated. Generally, a 5-foot radius from the sampling point was used to define herbaceous plants within the plant community and a 30-foot radius was used to define trees and vines, and a 15-foot radius to define shrubs and saplings. The "dominance measure methods" outlined in the 1987 Federal Delineation Manual (Federal Interagency Committee for Wetland Delineation 1987) and the 2012 Northcentral and Northeast Region Supplement were used to determine the presence of wetland vegetation while the 2014 U.S. Army Corps of Engineers New York State Wetland Plant List was utilized for plant identification and determination of wetland plant indicator status.

Data sampling locations and wetland boundaries were marked in the field by flags for identification by GPS equipment. The field survey of wetland points was completed by BME Associates. All delineated wetland boundaries, sample point locations and site photograph locations are shown on Figure 6 in Appendix A. Representative site photographs are located in Appendix B and data forms for routine wetland determination can be found in Appendix C.

SITE ECOLOGY

General plant communities on the site include abandoned agricultural field, shrubland, wooded wetland and emergent wetland.

Abandoned Agricultural Field

This community is located throughout the eastern portion of the site. Dominant vegetation included Canada Goldenrod (*Solidago canadensis*), Canada Thistle (*Cirsium arvense*) and Mugwort (*Artemisia vulgaris*).

Shrubland

This community is located in the western portion of the site. The dominant plant species included Green Ash (*Fraxinus pennsylvania*), Common Buckthorn (*Rhamnus cathartica*) and Gray Dogwood (*Cornus racemosa*).

Wooded Wetland

The wooded wetland community is a small area located in the western portion of the site. Dominant vegetation included Green Ash (*Fraxinus pennsyvanica*), Lurid Sedge (*Carex lurida*) and Creeping Jenny (*Lysimachia nummularia*).

Water Resource Descriptions

Wetland specialists at BME Associates delineated the following features on the subject site: Four (4) wetlands: "A" (±0.09 Ac.) and "B" (±0.14 Ac.), "C" (±0.22 Ac.) and "P" (±0.19); One (1) tributary: "A" (±1900 LF)

Table 1. Water Resource Summary

Name	Identification	Quantification	Width	Flow Regime	Lat. and Long.
Wetland "A"	PEM	±0.09 acres	-	-	42.8893, -77.2461
Wetland "B"	PEM	±0.14 acres	-	-	42.8883, -77.2464
Wetland "C"	PFO/SS	±0.22 acres	_	-	42.8882, -77.2507
Wetland "P"	PUBHx	±0.19 acres	-	-	42.8871, -77.2465
Tributary "1"	-	±1900 LF	±10 FT	Intermittent	42.8869, -77.2460 to 42.8877, -77.2530

Wetland "A" $-\pm 0.09$ acres (PEM): This emergent wetland is located in the northeastern portion of the site along Route 10 and is dominated by Narrow-Leaf Cattail (*Typha angustifolia*). Soil is Odessa silt loam with a hydric rating of 3 (potentially hydric). Hydrology appears to originate from the farm field east of Route 10 which passes under the road via an 18" culvert. The wetland slopes toward the west but does not display a defined hydrological outflow. It is also separated from other natural areas by maintained fields, suggesting that it may be isolated.

Wetland "B" $-\pm 0.14$ acres (PEM): Wetland B very similar to Wetland A and is located just south of Wetland A along Route 10. This wetland also receives drainage from the eastern farm field via an 18" culvert under Route 10. Soil is Odessa silt loam with a hydric rating of 3 (potentially hydric). Wetland B also slopes toward the west but lacks a defined

hydrological outflow and is separated by other natural areas by maintained fields, suggesting that it may also be isolated.

Wetland "C"—±0.22 acres (PFO/SS): This forested and scrub-shrub wetland is an isolated depression located near the eastern corner of the site. Dominant vegetation is Common Green ash (*Fraxinus pennsylvanica*), Common Rush (*Juncus effuses*) and Lurid Sedge (*Carex lurida*). Soil is Collamer silt loam (non-hydric) with a hydric rating of 0. Hydrology appears to originate from upland runoff and precipitation. Wetland C lacks a defined hydrological outflow or connection to downstream waters.

Wetland "P" $-\pm 0.19$ acres (PUBHx): This wetland is a pond with surrounding emergent and scrub-shrub vegetation dominated by Cattail species (*Typha spp.*) and is located along "Tributary '1" in the southeastern corner of the site. Soils are Odessa silt loam with a hydric rating of 3 (potentially hydric) and Lakemont silty clay loam with a hydric rating of 95 (hydric). Hydrology appears separate from Tributary 1 with the exception of during times of high ground water tables and otherwise originates from upland runoff and precipitation. Proximity to Tributary 1 indicates that Wetland P may be jurisdictional.

<u>Tributary "1" – ± 1900 LF (INT):</u> This intermittent stream is located along the southern site boundary and flows east to west eventually discharging to the Canandaigua Outlet. The channel is approximately 10 feet wide and 1 to 2 feet deep. The stream was not flowing during site visits displaying a lack of perennial flow. Hydrological indicators such as drift lines suggest intermittent flow. This tributary is subject to a FEMA floodplain.

CONCLUSIONS

BME Associates delineated four (4) wetlands ("A", "B", "C" and "P"), and one (1) tributary ("1") on the subject site (Appendix A, Figure 6). BME also completed the wetland determination data forms and took photographs in July of 2016. The wetland communities that occur within the JD review area total ±0.64 acres and tributaries total ±1900 LF, and were identified and field delineated based on the presence of all three parameters (hydrology, hydric soils and hydrophytic vegetation) for federal jurisdictional wetlands. Considering available mapping and field investigations, it appears that wetlands "A", "B" and "C" lack any connection to downstream waters and may be isolated. Meanwhile, wetland "P" and the on-site tributary "1" appear to have hydrological connections to downstream waters, but final jurisdictional determination will be made by the U.S. Army Corps of Engineers. On behalf of Greg Westbrook, BME Associates requests an approved JD for the water resources described in this report.

References

- Department of the Army. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1. Corps of Engineers, Waterways Experiment Station. Vicksburg, Mississippi.
- Federal Interagency Committee for Wetland Delineation. 1989. Identifying and Delineating Jurisdictional Wetlands. U. S. Army Corps of Engineers, U. S. Environmental Protection Agency, U. S. Fish and Wildlife Service, and U.S.D.A. Soil Conversation Service, Washington, DC. Cooperative Technical Publication.
- Lichvar, R.W., M. Butterwick, N.C. Melvin, and W.N. Kirchner. 2014. State of New York 2014 Wetland Plant List. Phytonueron 2014-41: 1-42. US Army Corps of Engineers.
- Munsell Color. (Revised) 2009. Munsell Soil Color Charts. X-Rite Incorporated. Grand Rapids, Michigan USA.
- National Wetland Inventory Maps, U.S. Department of the Interior, Fish and Wildlife Service, National Wetland Inventory, St. Petersburg, FL.
- Newcomb, L. 1977. Newcomb's Wildflower Guide. Hachette Book Group, Inc. New York, NY.
- New York State Department of Environmental Conservation Freshwater Wetlands Maps, NYSDEC, New York.
- Ogden, E.C. 1981. Field Guide to Northeastern Ferns. Contributions to a Flora of New York State III, R.S. Mitchell (Ed.), Bull. 444, New York State Museum, Albany, NY 122 pp.
- Reed, P.B., Jr. 1995. National List of Plant Species That Occur in Wetlands: Northeast (Region 1). U.S. Fish and Wildlife Service Biological Report 88(26.1). St. Petersburg, FL.
- Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, January 2012, Volume 2.0.
- U.S.D.A. Soil Conversation Service. 1986. Soil Survey of Monroe County, New York. USDA SCS. Washington, DC.
- U.S.D.A. Soil Conversation Service. 1991. Hydric Soils of the United States. Miscellaneous Publication No. 1491. Washington, DC.
- U.S.D.A. Soil Conversation Service. March 2014. National Hydric Soils List. Lincoln, NE.
- Williams, A.E. 1992. Clarification and Interpretation of the 1987 Manual. U.S. Army Corps of Engineers March 6, 1992 Memorandum. USACE. Washington, DC.

BME Wetland Field Delineators

Martin Janda and Dustin M. Bradley

APPENDIX A Figures 1 – 8

Figure 1 – Aerial Map

Figure 2 – USGS Location Map (Pittsford Quad)

Figure 3 – National Wetlands Inventory Map

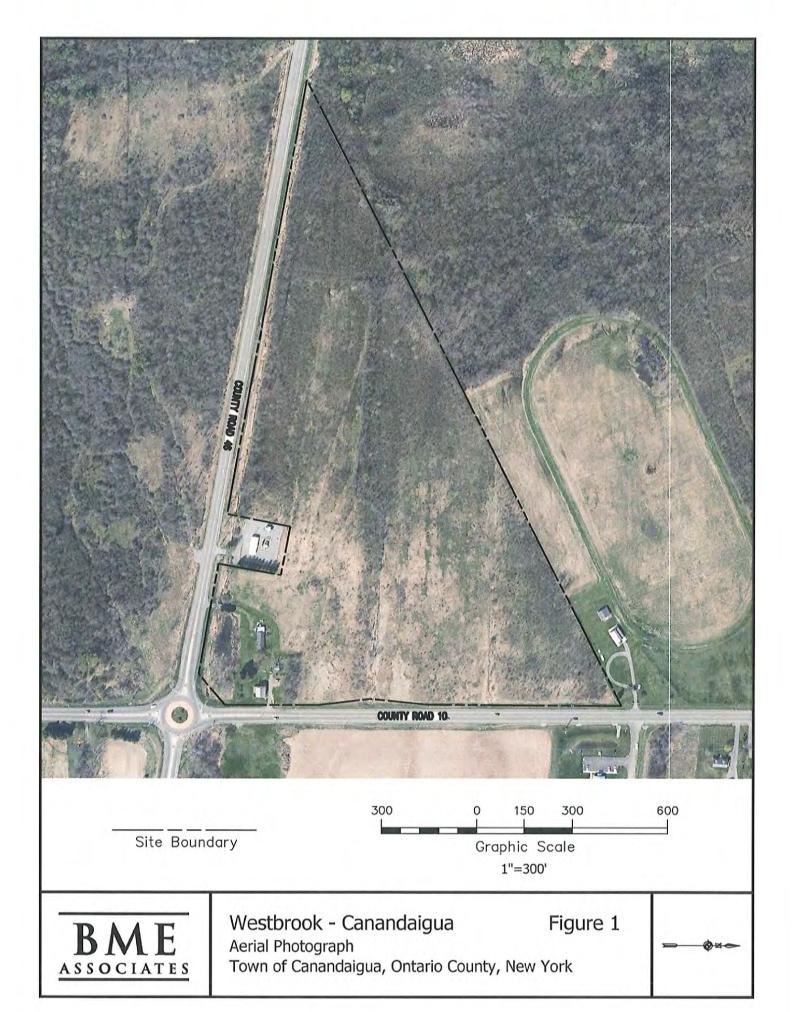
Figure 4 – NYSDEC Freshwater Wetlands Map

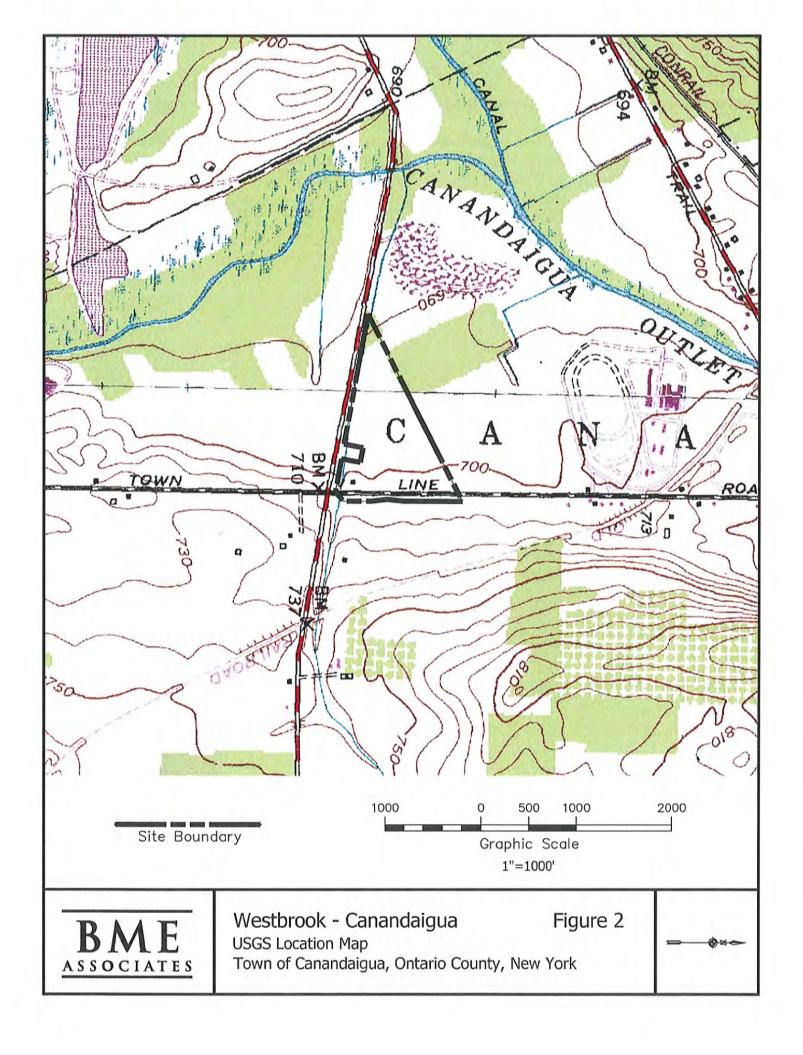
Figure 5 – NRCS Hydric Soil Map, Soil Hydric Ratings

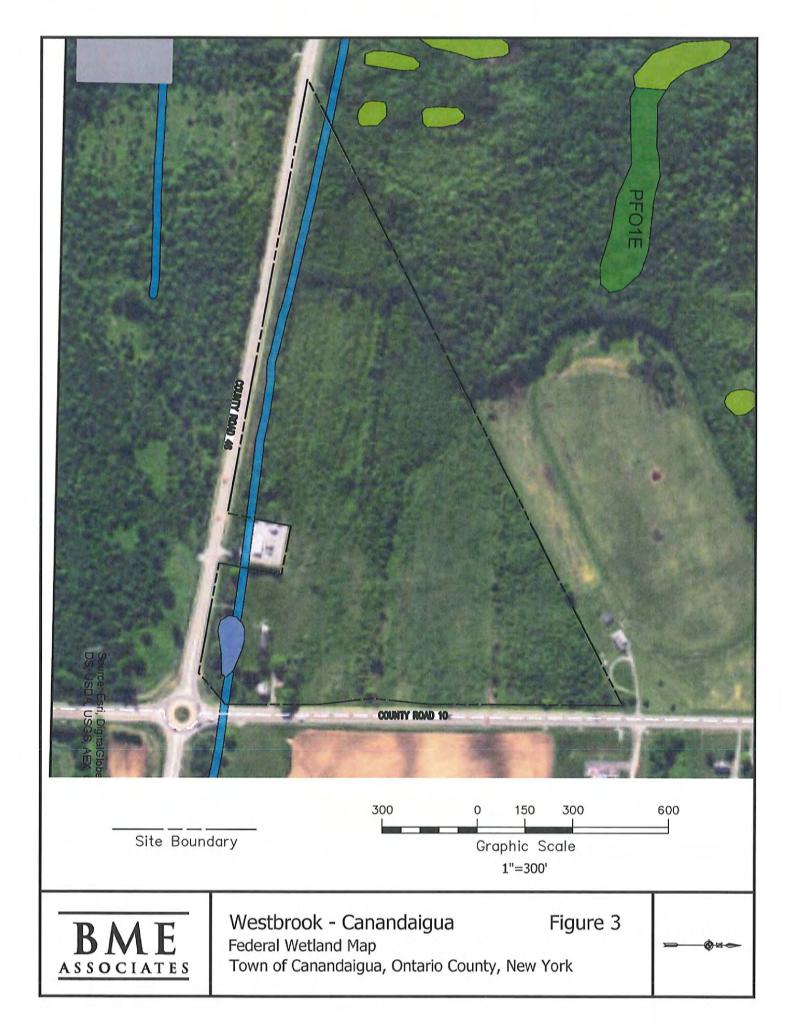
Figure 6 – Photo Location Map

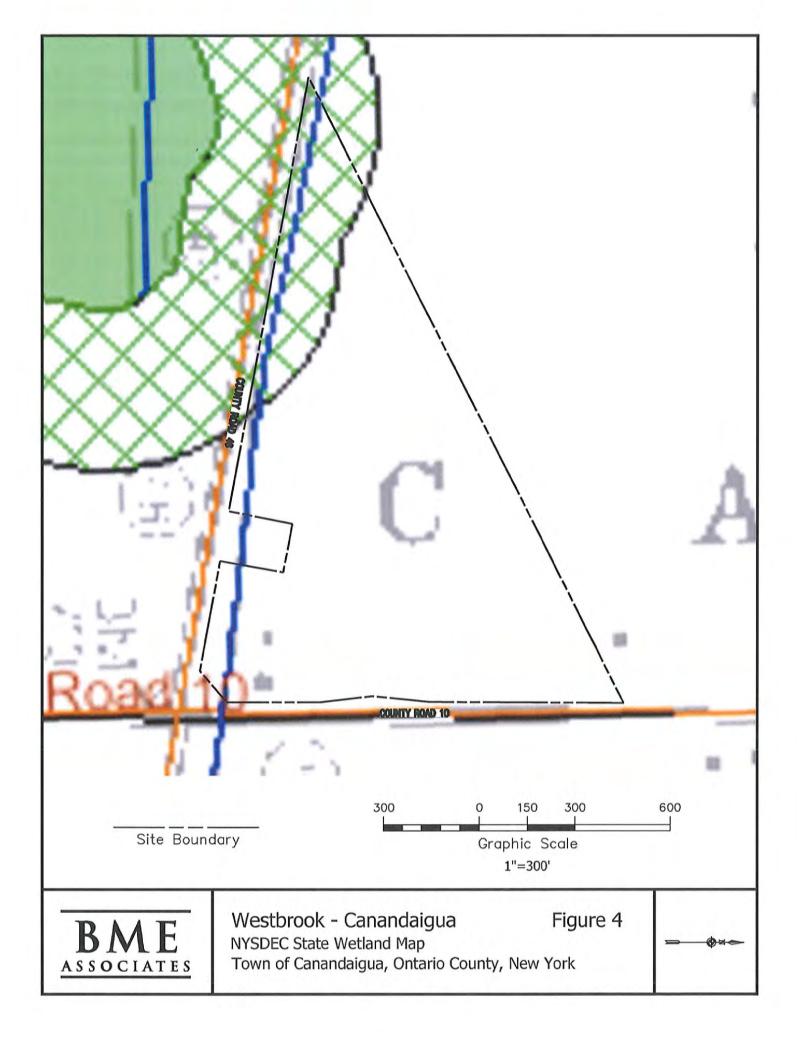
Figure 7 - Delineation Map

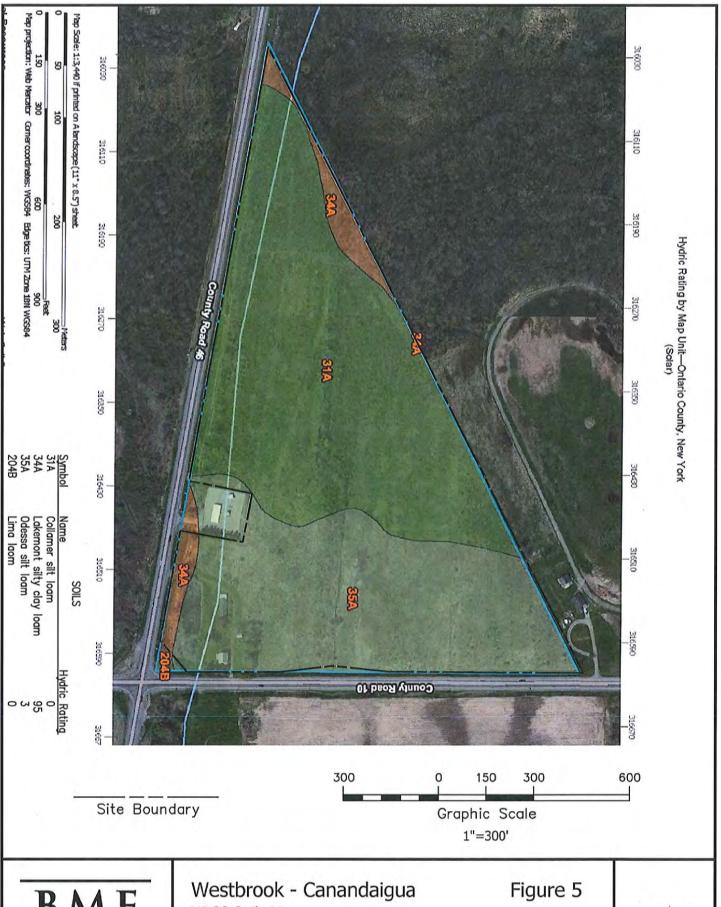
Figure 8 - FEMA Floodplain Map













Westbrook - Canandaigua Fig NRCS Soils Map Town of Canandaigua, Ontario County, New York



MAP LEGEND

Interstate Highways Aerial Photography Major Roads Local Roads **US Routes** Rails Transportation Background ‡ Not rated or not available Area of Interest (AOI) Hydric (33 to 65%) Hydric (66 to 99%) Hydric (1 to 32%) Not Hydric (0%) Hydric (100%) Soil Rating Polygons Area of Interest (AOI) Soils

Soil Rating Lines

MAP INFORMATION

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

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

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

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

Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857) Source of Map: Natural Resources Conservation Service

Albers equal-area conic projection, should be used if more accurate Maps from the Web Soil Survey are based on the Web Mercator distance and area. A projection that preserves area, such as the projection, which preserves direction and shape but distorts calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Ontario County, New York Survey Area Data: Version 12, Sep 24, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 15, 2011-May 11, 2011

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

Not rated or not available Not rated or not available Hydric (33 to 65%) Hydric (33 to 65%) Hydric (66 to 99%) Hydric (66 to 99%) Hydric (1 to 32%) Hydric (1 to 32%) Not Hydric (0%) Not Hydric (0%) Hydric (100%) Hydric (100%) Soil Rating Points Water Features

Streams and Canals

Hydric Rating by Map Unit

Hydric Rating by Map Unit— Summary by Map Unit — Ontario County, New York (NY069)						
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI		
31A	Collamer silt loam, 0 to 3 percent slopes	0	16.5	54.5%		
34A	Lakemont silty clay loam, 0 to 3 percent slopes	95	1.5	5.0%		
35A	Odessa silt loam, 0 to 3 percent slopes	3	12.2	40.4%		
204B	Lima loam, 3 to 8 percent slopes, lower clay surface	0	0.0	0.1%		
Totals for Area of Inter	rest	30.3	100.0%			

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

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

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

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

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

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

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

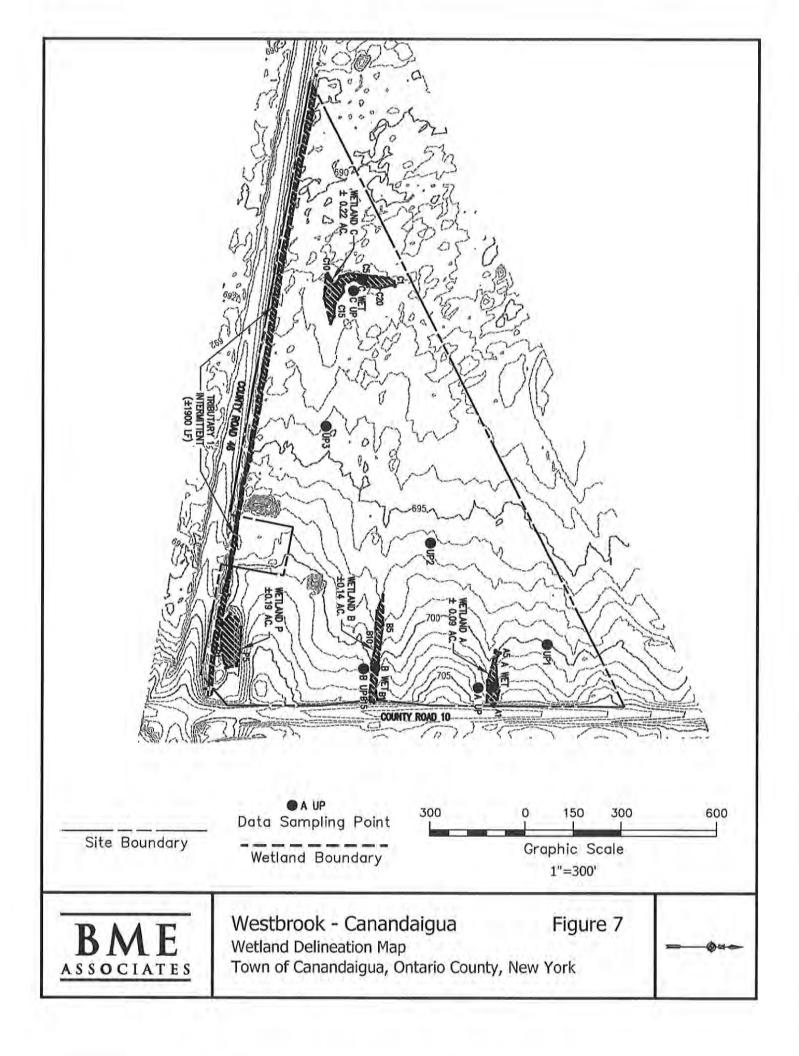
Tie-break Rule: Lower

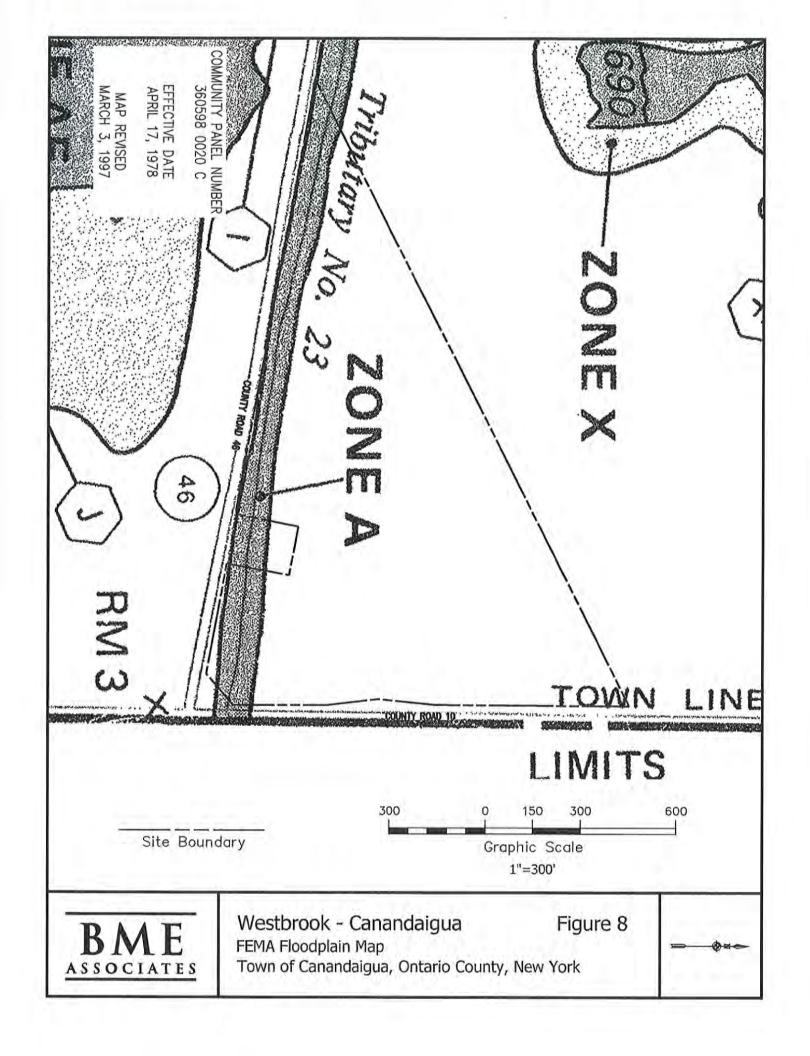


BME

Photo Location Map
Town of Canandaigua, Ontario County, New York







APPENDIX B Site Photographs



РНОТО 1



PHOTO 2



РНОТО 3



РНОТО 4



РНОТО 5



РНОТО 6



РНОТО 7



РНОТО 8



РНОТО 9



РНОТО 10



РНОТО 11



РНОТО 12



PHOTO 13



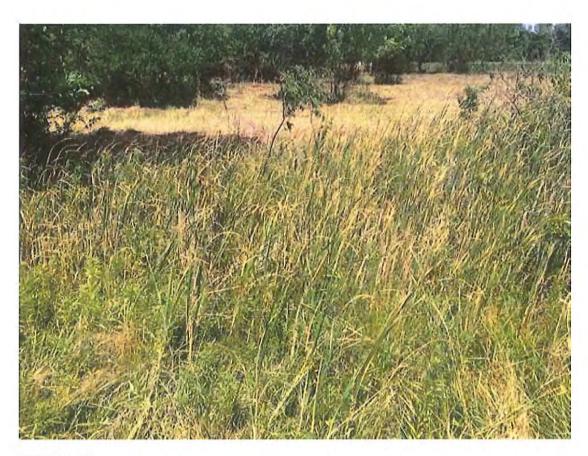
РНОТО 14



PHOTO 15



РНОТО 16



РНОТО 17



РНОТО 18



РНОТО 19



РНОТО 20



PHOTO 21



РНОТО 22



PHOTO 23



PHOTO 24



PHOTO 25



РНОТО 26



PHOTO 27



PHOTO 28

APPENDIX C Data Forms

Project/Site: Westbrook - C	anandaigua	City	/County: Ontar	io	Sampling Date: 7/26/16
Applicant/Owner: Greg Wes			MO NOTE TO	State: NY	Sampling Point: AUP
Investigator(s): Martin Jand		Sec	tion, Township,	Range: Canandaigua	
Landform (hillslope, terrace, e				convex, none): convex	Slope (%): 3
Subregion (LRR or MLRA): L		Lat: 42.8892		ong: -77.2460	Datum: NAD 83
Soil Map Unit Name: Odess		LGt.		NWI clas	
Are climatic / hydrologic cond		ical for this time of year?		o (If no, explain	
Are Vegetation, Soil _					es" present? Yes X No
Are Vegetation, Soil _			recommendation of the second contract of the	f needed, explain any an	
					cts, important features, e
SOMMARY OF FINDIN		100,000		- A V - 8-	oto, important routaros, s
Hydrophylic Vegetation Pres	sent? Yes _	No X	Is the Samp within a We	led Area	No X
Hydric Soil Present?	Yes_	No X No X			
Wetland Hydrology Present's Remarks: (Explain alternation			If yes, option	al Wetland Site ID: Upic	and sample for Wetland A
HYDROLOGY					
Wetland Hydrology Indica				N. Senhall, C. Lee, 1910, 46	dicators (minimum of two require
Primary Indicators (minimum	n of one is required;				Soil Cracks (B6)
Surface Water (A1)		Water-Stained Leav		The second secon	e Patterns (B10)
High Water Table (A2)		Aquatic Fauna (B13 Marl Deposits (B15	7		im Lines (B16) son Water Table (C2)
Saturation (A3) Water Marks (B1)		Hydrogen Sulfide C		100 TO 10	Burrows (C8)
Sediment Deposits (B2)	1	Oxidized Rhizosphe			on Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence of Reduc	집 그렇지 하면 지금 사람이 뭐요? 바다 그	A Albert P Links Towns on the same of the	or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recent Iron Reduct	Allow A		phic Position (D2)
Iron Deposits (B5)		Thin Muck Surface	24171716.0		Aquitard (D3)
Inundation Visible on A	[1] 16 16 H. 및 27 H. 50 W 11 H.	Other (Explain in Re	emarks)		ographic Relief (D4) utral Test (D5)
Sparsely Vegetated Con Field Observations:	icave Surface (Bo)			FXO-Net	Mai Test (DS)
Surface Water Present?	Yes No	X Depth (inches):			
Water Table Present?	Yes No 2	X Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes No 2	X Depth (inches):		Wetland Hydrology Pre	esent? Yes No X
Describe Recorded Data (st	ream gauge, monito	ring well, aerial photos, p	revious inspecti	ons), if available:	
Remarks:					

Tree Stratum /Plot eize: K = 311 '	Absolute	Dominant Species?	Indicator Status	Dominance Test worksheet:
Tree Stratum (Plot size: R=30' 1. Fraxinus pennsylvanica	15	y	facw	Number of Dominant Species That Are OBL FACW or FAC: 2
TO PERSONAL PROPERTY OF THE PR		-	10011	That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3	_	2		Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 40 (A/B)
6				
				Prevalence Index worksheet:
7	AF	0.16.000	-	Total % Cover of: Multiply by:
Control Control	15	= Total Co	/er	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: R=15')				FACW species x 2 =
1. Cornus racernosa	20	У	fac	FAC species x 3 =
2. Lonicera tatarica	20	у	facu	FACU species x 4 =
1/ /		-	-	UPL species x 5 =
3				Column Totals: (A) (B)
4.				200000000000000000000000000000000000000
5	-			Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
***	40	= Total Co	20	2 - Dominance Test is >50%
P-51		= Total Co	rer	3 - Prevalence Index is ≤3.01
Herb Stratum (Plot size: R=5')	-		20.00	4 - Morphological Adaptations (Provide supporting
1. Solidago canadensis	50	у	facu	data in Remarks or on a separate sheet)
2. Daucus carota	20	У	facu	Problematic Hydrophytic Vegetation¹ (Explain)
3				
				Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9				
10				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12				Woody vines - All woody vines greater than 3.28 ft in
	70	= Total Co	er	height.
Woody Vine Stratum (Plot size: R=30'		10.01		
	0			
none	0		-	
1. none				II.
1. none 2				
) 				Hydrophytic
2.				Hydrophytic Vegetation
2.	- 	= Total Cov		

Depth	Matrix			ox Feature	es			Adams Acceptant		
(inches)	Color (moist)	400	Color (moist)	%_	Type ¹	_Loc ²	Texture		Remarks	
0-12	10 YR 4-3	100	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, whic		-		silt			
12-24	10 YR 5-4	90	10 YR 5-6	1_	С	M	silt			
	Concentration, D=De Indicators: NONE		/I=Reduced Matrix, M	IS=Maske	d Sand Gr	ains.			Lining, M≔Mat matic Hydric \$	
Hydrog Stratifie Deplete Thick D Sandy I Sandy I Sandy I Strippe	distic (A3) en Sulfide (A4) ed Layers (A5) ed Below Dark Surfa Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R,		Thin Dark Suri Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si Depleted Dark Redox Depres	Mineral (F I Matrix (F ix (F3) urface (F6 : Surface (F1) (LRR K 2)) F7)		Dark Sur Polyvalu Iron-Man Piedmon Mesic Sp Red Pare Very Sha	face (S7) e Below S Dark Surfa ganese M t Floodpla bodic (TA6 ent Materi	Surface (TF1	RR K, L) K, L) LRR K, L, R) (MLRA 149B) A, 145, 149B)
			etland hydrology mu	ist be pres	sent, unles	s disturbed	or problematic.			
	Layer (if observed):								
Type: Depth (ir	achee):		_				Hydric Soil P	resent?	Yes	X
Remarks:							,			

Project/Site: Westbrook - Canandaigua	City/Count	y: Ontario		_ Sampling Date: _7/26/16
Applicant/Owner: Greg Westbrook		1.	State: NY	Sampling Point: AWET
Investigator(s): Martin Janda, Dustin Bradley	Section, T	ownship, Range: _		
Landform (hillslope, terrace, etc.): Linear wetland d	epression Local relief (c	oncave, convex, no	one): concave	Slope (%): 3
Subregion (LRR or MLRA): LRR L Lat		Long:77		Datum: NAD 83
Soil Map Unit Name: Odessa Silt Loam				ication: PEM
Are climatic / hydrologic conditions on the site typical f	for this time of year? Yes >	(No		
Are Vegetation, Soil, or Hydrology				present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic?	No (If needed,	explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site n			ons, transect	s, important features, etc.
		he Sampled Area	Zw. evil Wiley X Co.	
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X	110	hin a Wetland?	Yes X	No
Wetland Hydrology Present? Yes X	No If ve	es ontional Wetlan	nd Site ID: Wetlar	nd A
Remarks: (Explain alternative procedures here or in	a separate report.)			
HYDROLOGY				
Wetland Hydrology Indicators:	123122		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; chec	ck all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Pa	atterns (B10)
	Aquatic Fauna (B13)		Moss Trim L	lines (B16)
	Marl Deposits (B15)			Water Table (C2)
	Hydrogen Sulfide Odor (C		Crayfish Bu	
	Oxidized Rhizospheres on			/isible on Aerial Imagery (C9)
	Presence of Reduced Iron	AND THE RESERVE TO SERVE THE PARTY OF THE PA	10	Stressed Plants (D1)
	Recent Iron Reduction in 1	filled Soils (C6)	Geomorphic	Position (D2)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)		Shallow Aqu	7 (A. A. M. 1914) 7 (A. A. A
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks	5)	X FAC-Neutra	raphic Relief (D4)
Field Observations:			FAC-Neutra	ir rest (DS)
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 Prese	nt? Yes X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	well, aerial photos, previous	inspections), if av	ailable:	
Remarks:				
Nemarks.				

나는 아이들은 이 사람이 없는 것이 아니는 그렇게 되었다.	Absolute	Dominant	Indicator	Dominance Test worksheet:			
(Plot size: R=30')		Species?	-	Number of Dominant Species			
Fraxinus pennsylvanica	40	<u>y</u>	facw	That Are OBL, FACW, or FAC: 3		(A)	
Salix nigra	5	n	facw	Total Number of Dominant			
·				Species Across All Strata: 4		(B)	
·				Percent of Dominant Species	5	A G - 602.	
	-			That Are OBL, FACW, or FAC:	3	(A/B	
,				Prevalence Index worksheet:			
					Aultiply by:		
	45	= Total Cov	/er	OBL species x1 =			
Sapling/Shrub Stratum (Plot size: R=15')				FACW species x 2 =			
Cornus amomum	15	У	facw	FAC species x 3 =			
Lonicera tatarica	15	у	facu	FACU species x 4 =			
		-		UPL species x 5 =		_	
)				Column Totals: (A)		_ (B)	
				Prevalence Index = B/A =			
			_		7	_	
·				Hydrophytic Vegetation Indicator			
	-			1 - Rapid Test for Hydrophytic \	Vegetation		
	30	= Total Co	/er	X 2 - Dominance Test is >50%			
Herb Stratum (Plot size: R=5)				3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations'	/Dravida eun	nortin	
Typha angustifolia	45	У	obl	data in Remarks or on a sep	(Frovide sup)	porting	
Symphyotrichum novae-angliae	15	n	facw	Problematic Hydrophytic Vegetation¹ (Explain			
Scirpus atrovirens	15	n	obl				
Eupatorium perfoliatum	15	n	obl	¹ Indicators of hydric soil and wetland hydrology m be present, unless disturbed or problematic.			
)					nematic.		
			-	Definitions of Vegetation Strata:			
· 				Tree - Woody plants 3 in. (7,6 cm)		amete	
<u> </u>				at breast height (DBH), regardless of	of height.		
k		_		Sapling/shrub - Woody plants less		вн	
				and greater than or equal to 3.28 ft	(1 m) tall.		
0	-		$\overline{}$	Herb - All herbaceous (non-woody)		rdless	
1				of size, and woody plants less than	3.28 ft tall.		
2				Woody vines - All woody vines gre	ater than 3.2	8 ft in	
	90	= Total Cov	/er	height.			
Voody Vine Stratum (Plot size: R=30')				-			
none	0						
				re distriction			
				Hydrophytic Vegetation			
h,	0	Like CARA	_		No		
	0	= Total Cov	/er				

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. The state of t	Depth	Matrix		Red	ox Feature	es			A. W. W.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Sand Grains.	de la constanta de la constant		- 77777						V
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: Struction: PL=Pore Lining, M=Matrix. Type: Struction: PL=Port Lining,						-			iron, mang, conc.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Indicators: Histosol (A1)			-	-		С	M		
lydric Soil Indicators: Histosol (A1)	12-24	10 YR 5-6	90	10 YR 6-6	2	С	M	silty	-
ydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R L, R L) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Mesic Spodic (TA6) (MLRA 144A, 145, Red Parent Material (F21) Stripped Matrix (S6) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type:	=					Ξ			
Sydric Soil Indicators: Indicators for Problematic Hydric Soils									
Sydric Soil Indicators: Indicators for Problematic Hydric Soils									
Histosol (A1)			pletion, RN	M=Reduced Matrix, M	IS=Maske	d Sand Gr	ains.	² Location	n: PL=Pore Lining, M=Matrix.
Restrictive Layer (if observed): Type:	Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped	stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surfac ark Surface (A12) Mucky Mineral (S1) Sleyed Matrix (S4) Redox (S5) I Matrix (S6)		Thin Dark Surf Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Si Depleted Dark Redox Depres	ace (S9) (Mineral (F Matrix (F2 ix (F3) urface (F6 Surface (1) (LRR H 2)) F7)		5 cm M Dark S Polyva Th Iron-M Piedm Mesic Red P	Mucky Peat or Peat (S3) (LRR K, L, R) Surface (S7) (LRR K, L) Surface (S7) (LRR K, L) Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) Surface (S9) (LRR K, L) Surface (S9) (LRR K, L, R) Surface (S9) (MLRA 149E Spodic (TA6) (MLRA 144A, 145, 149B Surface (TF12)
Type:				vetland hydrology mu	st be pres	ent, unles	s disturbed	or problemati	С.
		Layer (if observed)):						
		ches):						Hydric Soil	Present? Yes X
Remarks;									

Project/Site: Westbrook - Canandaigua	City/County: Ont	ario	Sampling Date: 7/26/16
Applicant/Owner: Greg Westbrook	(1,0)(0,0)(1,0)	State: NY	Sampling Point: BUP
Investigator(s): Martin Janda, Dustin Bradley	Section, Townshi	, Range: Canandaigua	
Landform (hillslope, terrace, etc.): upland field		, convex, none): convex	Slope (%): 3
Subregion (LRR or MLRA): LRR L Lat:	42.8882	Long: -77.2462	Datum: NAD 83
Soil Map Unit Name: Odessa Silt Loam			ification: N/A
Are climatic / hydrologic conditions on the site typical for	or this time of year? Ves X		
Are Vegetation, Soil, or Hydrology	significantly disturbed? No		"present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic? No	(If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS - Attach site m	nap showing sampling po	int locations, transec	ts, important features, etc.
	X Is the San	pled Area	
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes		/etland? Yes	No X
Welland Hydrology Present? Yes	No X If yes onti	onal Wetland Site ID: uplar	d sample for Wetland B
Remarks: (Explain alternative procedures here or in	a congrate report \	orial victions one is:	
HYDROLOGY		Opportunit land	leaters (minimum of two version-1)
Wetland Hydrology Indicators: NONE	1011100000		icators (minimum of two required)
Primary Indicators (minimum of one is required; chec	As a contract to a state of the same of th		oil Cracks (B6)
	Water-Stained Leaves (B9)		Patterns (B10) Lines (B16)
	Aquatic Fauna (B13) Marl Deposits (B15)		on Water Table (C2)
	Hydrogen Sulfide Odor (C1)		urrows (C8)
	Oxidized Rhizospheres on Living	and the second s	Visible on Aerial Imagery (C9)
	Presence of Reduced Iron (C4)		Stressed Plants (D1)
Territoria (1971)	Recent Iron Reduction in Tilled S		ic Position (D2)
- 1997-1997 - 1997-1997-1997-1997-1997-1	Thin Muck Surface (C7)		quitard (D3)
	Other (Explain in Remarks)		graphic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Field Observations:		FAC-Neut	ral Test (D5)
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 Pres	ent? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring v	well, aerial photos, previous inspe-	ctions), if available:	
Remarks:			

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
20	у	facw	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
15	у	fac	
15	У	facu	Total Number of Dominant Species Across All Strata: 5 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 60 (A/B)
			Prevalence Index worksheet:
50	5_3-1 E.C		Total % Cover of: Multiply by:
50	= Total Co	/er	OBL species x 1 =
2.5		1	FACW species x 2 =
_ 20	У	fac	FAC species x 3 =
			FACU species x 4 =
			UPL species x 5 =
			Column Totals: (A) (B)
			Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
		_	1 - Rapid Test for Hydrophytic Vegetation
			x 2 - Dominance Test is >50%
20	= Total Co	/er	3 - Prevalence Index is ≤3.0¹
			4 - Morphological Adaptations¹ (Provide supporting
70	У	facu	data in Remarks or on a separate sheet)
15	n	facu	Problematic Hydrophytic Vegetation [†] (Explain)
			Indicators of hydric soil and wetland hydrology must
		_	be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
		$\overline{}$	Tree - Woody plants 3 in. (7.6 cm) or more in diameter
			at breast height (DBH), regardless of height.
			Sapling/shrub - Woody plants less than 3 in. DBH
			and greater than or equal to 3.28 ft (1 m) tall.
			Herb - All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
			Woody vines - All woody vines greater than 3.28 ft in
85	000020	_	height.
00	= Total Co	/er	
0		$\overline{}$	
			Hydrophytic
0		\equiv	Hydrophytic Vegetation Present? Yes X No
	15 15 50 20 20 70 15	15 y 15 y 50 = Total Cov 20 y 20 = Total Cov 70 y 15 n	15 y fac 15 y fac 15 y fac 50 = Total Cover 20 y fac 20 = Total Cover 70 y facu 15 n facu

Depth	Matrix		Red	ox Feature	s		C. Lance	2.000	
(inches) 0-12	Color (moist) 10 YR 4-3	95	Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks	
	_		Haras a	-	-	-			
12-24	10 YR 6-6	95	10 YR 5-6	5	С	<u>M</u>	silty		
Type: C=C	concentration, D=De	pletion, RI	M=Reduced Matrix, N	 IS=Maske	d Sand G	ains.	² Location: PL=F	Pore Lining, M=Matri:	x.
Black H Hydrog Stratifie Deplete Thick D Sandy I Sandy I Strippe	pipedon (A2) listic (A3) en Sulfide (A4) ed Layers (A5) ed Below Dark Surfa eark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R,		MLRA 1498 Thin Dark Surf Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark Redox Depres	face (S9) (Mineral (F I Matrix (F3 ix (F3) urface (F6 : Surface (1) (LRR F 2)) F7)		5 cm Mucky F Dark Surface Polyvalue Be Thin Dark Iron-Mangane Piedmont Flo Mesic Spodic Red Parent M	Redox (A16) (LRR Meat or Peat (S3) (LF (S7) (LRR K, L) ow Surface (S8) (LRR Mese Masses (F12) (Leodplain Soils (F19) (1746) (MLRA 144A (Jaterial (F21) Dark Surface (TF12) in Remarks)	RR K, L, R) RR K, L) K, L) RR K, L, R) MLRA 149B;
			wetland hydrology mu	ist be pres	ent, unles	s disturbed	or problematic.		
	Layer (if observed):							
Type:	to starre						Hydric Soil Prese	nt? Yes	X
Depth (in Remarks:	iches):		_				Hydric Soil Prese	itr res	

Project/Site: Westbrook - Canandaig	gua City/	County: Ontario	Sampling Date: 7/26/16
Applicant/Owner: Greg Westbrook	719		BWET
Investigator(s): Martin Janda, Dustin	Bradley Sect	ion, Township, Range: Canand	
Landform (hillslope, terrace, etc.): field		lief (concave, convex, none): CC	
Subregion (LRR or MLRA): LRR L		Long: -77.2462	Datum: NAD 83
Soil Map Unit Name: Odessa silt loan			
			WI classification: PEM
Are climatic / hydrologic conditions on the Are Vegetation, Soil, or I	Hydrology significantly distu	rbed? No Are "Normal Circun	nstances" present? Yes X No
Are Vegetation, Soil, or I	Hydrology naturally problem	natic? (If needed, explain	any answers in Remarks.)
SUMMARY OF FINDINGS - A	tach site map showing sar	npling point locations, tr	ransects, important features, etc
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?		is the Sampled Area within a Wetland? If yes, optional Wetland Site ID	Yes X No D: Wetland B
Remarks: (Explain alternative procedu	ned have at it a separate repair,		
HYDROLOGY			
Wetland Hydrology Indicators:	A Tall Alak	Secon	dary Indicators (minimum of two required)
Primary Indicators (minimum of one is	required; check all that apply)	Si	urface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leave	es (B9) Di	rainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13	M	loss Trim Línes (B16)
Saturation (A3)	Marl Deposits (B15)	D	ry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide O	dor (C1) C	rayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizosphe	res on Living Roots (C3) X	aturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduce	d Iron (C4) X St	tunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reducti	on in Tilled Soils (C6) X G	eomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (A Maria Comment of the Comment of th	hallow Aquitard (D3)
Inundation Visible on Aerial Image		marks) M	icrotopographic Relief (D4)
Sparsely Vegetated Concave Surf	ace (B8)	<u>x</u> F/	icrotopographic Relief (D4) AC-Neutral Test (D5)
Field Observations:	V		
	No X Depth (inches):		
Water Table Present? Yes			
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gaug			ogy Present? Yes X No
	A NO ASSOCIATION AND SHOPE		
Branch Co.			
Remarks.			
Water Table Present? Yes	No X Depth (inches): No X Depth (inches):		ogy Present? Yes X No _
Remarks:			
Drought			

Tree Stratum (Plot size: R=30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Populus deltoides	20	у	facw	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)			
2				Total Number of Dominant			
3				Species Across All Strata: 5 (B)			
4		-		Percent of Dominant Species			
5				That Are OBL, FACW, or FAC: 100 (A/B			
6				Prevalence Index worksheet:			
7				Total % Cover of: Multiply by:			
· ·	20	= Total Co	/er	OBL species x 1 =			
Sapling/Shrub Stratum (Plot size: R=15')				FACW species x 2 =			
1. Cornus amomum	20	У	facw	FAC species x 3 =			
2 Ramnus cathartica	15	у	fac	FACU species x 4 =			
		-		UPL species x 5 =			
3.				Column Totals: (A) (B)			
4			$\overline{}$	Prevalence Index = B/A =			
5			$\overline{}$				
6	-		_	Hydrophytic Vegetation Indicators:			
7				1 - Rapid Test for Hydrophytic Vegetation			
	35	= Total Co	/er	X 2 - Dominance Test is >50%			
Herb Stratum (Plot size: R=5')				3 - Prevalence Index is ≤3.0¹			
1. Typha angustifolia	85	У	obl	 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) 			
Symphyotrichum novae-angliae	35	y	facw	Problematic Hydrophytic Vegetation¹ (Explain)			
3.		-					
				¹Indicators of hydric soil and wetland hydrology must			
4			_	be present, unless disturbed or problematic.			
5				Definitions of Vegetation Strata:			
6				Tree - Woody plants 3 in. (7.6 cm) or more in diamete			
7				at breast height (DBH), regardless of height.			
8				Sapling/shrub - Woody plants less than 3 in. DBH			
9				and greater than or equal to 3.28 ft (1 m) tall.			
10		_		Herb - All herbaceous (non-woody) plants, regardless			
11.				of size, and woody plants less than 3.28 ft tall.			
12.				Woody vines - All woody vines greater than 3.28 ft in			
77	120	= Total Cov	·or	height.			
Woody Vine Stratum (Plot size: R-30*		- Total Col	rei				
	0						
1. none		-	$\overline{}$				
2,				Contracts and a second			
				Hydrophytic			
3				Vegetation			
3 4	0		$\overline{}$	Present? Yes X No			

100000000000000000000000000000000000000	Matrix			x Feature	3			(Same)
inches) 0-6	Color (moist) 10 YR 4-3	100	Color (moist)	%	Type ¹	_Loc²	Texture silt	Remarks
5-12	10 YR 3-2	95	10 YR 4-6	5	С	М	silt	reduced matrix
2-24	10 YR 6-6	90	10 YR 5-6	5	C	М	silt	
					=	=		
						<u> </u>		
		_	-			=		ý
	oncentration, D=De Indicators: NON.		/ /=Reduced Matrix, M	S=Masked	Sand Gr	ains.		: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
Hydroge Stratified Deplete Thick Di Sandy M Sandy G Sandy F Stripped Dark Su	istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surfac ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) I Matrix (S6) Irface (S7) (LRR R,	MLRA 149		Mineral (F1 Matrix (F2 x (F3) urface (F6) Surface (F sions (F8)) (LRR K) 7)	, L)	Dark S Polyva Thin D Iron-M Piedm Mesic Red P Very S Other	Mucky Peat or Peat (S3) (LRR K, L, R) Surface (S7) (LRR K, L) Surface (S7) (LRR K, L) Surface (S9) (LRR K, L) Surface Masses (F12) (LRR K, L, R) Sont Floodplain Soils (F19) (MLRA 1498 Spodic (TA6) (MLRA 144A, 145, 1498 Surface (TF12) Shallow Dark Surface (TF12) (Explain in Remarks)
	f hydrophytic vegeta Layer (if observed)		vetland hydrology mu	st be prese	nt, unless	s disturbed	or problemation	3.
	e or Library Bellink							
Type:							Hydric Soil	Present? Yes X No
Type: Depth (in temarks:	ches):							

	andaigua	City/Count	y: Ontario		_ Sampling Date: 7/18/16
pplicant/Owner: Greg Westbr				State: NY	Sampling Point: CUP
vestigator(s): Martin Janda,		Section, T	ownship, Range: C		
andform (hillslope, terrace, etc.)		Local relief (c			Slope (%): 2
ubregion (LRR or MLRA): LRF			Long: -77		Datum: NAD 83
oil Map Unit Name: Collamer	Silt Loam			NWI classi	
re climatic / hydrologic condition		his time of year? Yes	No	(If no, explain in	Remarks.)
re Vegetation, Soil	, or Hydrology	_significantly disturbed?	No Are "Norma		present? Yes X No
re Vegetation, Soil	, or Hydrology	_ naturally problematic?	No (If needed,	explain any answ	ers in Remarks.)
UMMARY OF FINDINGS	5 - Attach site ma	p showing samplir	ng point location	ons, transect	s, important features, et
Hydrophytic Vegetation Presen	t? Yes X	140	he Sampled Area	Yes	No X
Hydric Soil Present? Wetland Hydrology Present?	Yes			e site in uplan	d sample for Wetland C
Remarks: (Explain alternative p	procedures here or in a s	eparate report.)			
IYDROLOGY					
Wetland Hydrology Indicators	s: NONE	T-1 - 44		Secondary Indi	cators (minimum of two required
Primary Indicators (minimum of	one is required; check a	ill that apply)		Surface So	il Cracks (B6)
Surface Water (A1)		later-Stained Leaves (B9))	The second of th	atterns (B10)
High Water Table (A2)		quatic Fauna (B13)			Lines (B16)
Saturation (A3)		arl Deposits (B15)	y l		n Water Table (C2)
Water Marks (B1)		ydrogen Sulfide Odor (C		Crayfish Bu	경이 얼마 없는 경기에 살아가 바다 있는 것 같아 없는 것 같아 있다. 그 사내를 그 것 같아요.
Sediment Deposits (B2)		xidized Rhizospheres or	the state of the s		Visible on Aerial Imagery (C9)
Drift Deposits (B3)		resence of Reduced Iron	The state of the s	11 - TO SAN	Stressed Plants (D1)
Algal Mat or Crust (B4)		ecent Iron Reduction in	filled Soils (C6)		ic Position (D2)
Iron Deposits (B5)		hin Muck Surface (C7)	V.	Shallow Ad	
Inundation Visible on Aeria		ther (Explain in Remarks	5)		raphic Relief (D4)
Sparsely Vegetated Conca	ve Surface (B8)			FAC-Neutr	al Test (D5)
Field Observations:	Yes No X	Depth (inches):			
Surface Water Present? Water Table Present?	Yes No X				
		Depth (inches):	Western !	duduala au Dena	ent? YesNo_X
	Yes No X I	Depth (inches):	vvetland i	Hydrology Prese	ent? res No
Saturation Present? (includes capillary fringe)					
Saturation Present?	m gauge, monitoring we	l, aerial photos, previous	inspections), if ava	ailable:	
Saturation Present? (includes capillary fringe)	m gauge, monitoring we	ll, aerial photos, previous	inspections), if ava	ailable:	
Saturation Present? (includes capillary fringe) Describe Recorded Data (strea	m gauge, monitoring we	ll, aerial photos, previous	inspections), if ava	ailable:	
Saturation Present? (includes capillary fringe)	m gauge, monitoring we	ll, aerial photos, previous	inspections), if ava	ailable:	

VEGETATION – Use s	cientific names of plants.
--------------------	----------------------------

Sampling Point: CUP Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: R=301 % Cover Species? Status Number of Dominant Species 1. Fraxinus pennsylvanica 25 facw That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: 25 = Total Cover OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ Sapling/Shrub Stratum (Plot size: R=15') FAC species _____ x 3 = ____ 1. Cornus racemosa 50 fac FACU species _____ x 4 = _____ Ramnus cathartica fac UPL species _____ x 5 = ____ 3. Fraxinus pennsylvanica 20 facw n Column Totals: _____ (A) ____ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 120 = Total Cover 3 - Prevalence Index is ≤3.0¹ Herb Stratum (Plot size: 4 - Morphological Adaptations (Provide supporting Solidago canadensis 30 facu data in Remarks or on a separate sheet) 2. Fraxinus pennsylvanica 10 y facw Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. **Definitions of Vegetation Strata:** Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in 40 = Total Cover Woody Vine Stratum (Plot size: R=30' 1. Vitis riparia 10 Hydrophytic Vegetation Yes X No Present? 10 = Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

-	Color (moist) 10 YR 4-3 10 YR 5-3	90	COLUMN THORSE	Redox Features Color (moist) % Type¹ Loc²			Texture	Remarks
-	7 - 1 - 1 - 1 - 1		10 YR 4-6	5	C	M	silty	130/114/130
		90	10 YR 4-6	5	С	M	silty clay	-
				1				
		7		_	-			
		-		-				
_		-		_		-		
		-		-				
		نكف						
		2. 7						
vpe: C=Con	centration D=De	pletion RN	=Reduced Matrix, N	– – – – //S=Maske	d Sand C	Grains:	²Location: Pl	=Pore Lining, M=Matrix.
dric Soil Inc				31135513		LEWEL		Problematic Hydric Soils ³ :
Black Histi Hydrogen Stratified L Depleted E Thick Dark Sandy Muc Sandy Gle Sandy Rec Stripped M Dark Surfa	Sulfide (A4) Layers (A5) Below Dark Surface (A12) Icky Mineral (S1) Icky Mineral (S4) Idox (S5) Matrix (S6) Idace (S7) (LRR R, Inydrophytic vegeta	MLRA 149	MLRA 1498 Thin Dark Sur Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark Redox Depres B)	face (S9) Mineral (I I Matrix (F ix (F3) urface (F6 Surface (S ssions (F8	=1) (LRR 2) 5) (F7)	к, ц)	5 cm Muck Dark Surfa Polyvalue Thin Dark Iron-Manga Piedmont I Mesic Spo Red Paren Very Shalla Other (Exp	rie Redox (A16) (LRR K, L, R) ty Peat or Peat (S3) (LRR K, L, R) ty Peat or Peat (S3) (LRR K, L, R) ty Peat or Peat (S8) (LRR K, L) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) anese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 1498 dic (TA6) (MLRA 144A, 145, 1498 at Material (F21) by Dark Surface (TF12) slain in Remarks) sent? Yes No _X

Project/Site: Westbrook - Canand	aigua c	City/County: Ontario	_ Sampling Date: 7/18/16
Applicant/Owner: Greg Westbrook		State: NY	Sampling Point: CWET
Investigator(s): Martin Janda, Dus		Section, Township, Range: Canandaigua	
Landform (hillslope, terrace, etc.): sh		al relief (concave, convex, none): concave	Slope (%): 2
		Long: -77.2508	Datum: NAD 83
Soil Map Unit Name: Collamer Silt	Loam	NWI classi	
		ir? Yes X No (If no, explain in	Pamarke \
Are Vegetation, Soil,	or Hydrology significantly d	disturbed? No Are "Normal Circumstances"	" present? Yes X No
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? No (If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS -	Attach site map showing	sampling point locations, transect	s, important features, etc
Visite at the Visite Barriero	Yes_XNo	Is the Sampled Area	
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes X No No	within a Wetland? Yes X	No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID: Wetla	
Remarks: (Explain alternative proc	edures here or in a separate report		
HYDROLOGY			3 - town
Wetland Hydrology Indicators:	Company of the second	Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one	is required; check all that apply)	Surface So	oil Cracks (B6)
Surface Water (A1)	Water-Stained L		Patterns (B10)
High Water Table (A2)	Aquatic Fauna (E		Lines (B16)
Saturation (A3)	Marl Deposits (B		n Water Table (C2)
vvaler ivialiks (b1)	Hydrogen Sulfide		urrows (C8) Visible on Aerial Imagery (C9)
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Knizos Presence of Red		Stressed Plants (D1)
Algal Mat or Crust (B4)			ic Position (D2)
Iron Deposits (B5)	Thin Muck Surfa		jultard (D3)
Inundation Visible on Aerial Im-	agery (B7) Other (Explain in	n Remarks) Microtopog	raphic Relief (D4)
X Sparsely Vegetated Concave S	Surface (B8)	FAC-Neutr	al Test (D5)
Field Observations:	V		
	No X Depth (inches):		
	No X Depth (inches):		x
Saturation Present? Yes (includes capillary fringe)	. No X Depth (inches):	Wetland Hydrology Pres	ent? Yes ^ No
	auge, monitoring well, aerial photos	s, previous inspections), if available:	
Remarks;			
Tomario.			
Seasonally inunda	ted		

	Absolute		Indicator	Dominance Test worksheet:
ree Stratum (Plot size: R=30 ') Fraxinus pennsylvanica	% Cover 90	Species? y	Status facw	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
				Total Number of Dominant Species Across All Strata: 5 (B)
	<u> </u>			Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
			=	Prevalence Index worksheet:
-	90	+1.78	i i	Total % Cover of: Multiply by:
P-1F!	-	= Total Co	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: R=15')	05	14		FAC species x 2 =
Fraxinus pennsylvanica	25	У	facw	FAC species x 3 = FACU species x 4 =
Ramnus cathartica	10	У	fac	UPL species x5 =
)				Column Totals: (A) (B)
				Coldrill Totals(A)(B)
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
·	35	120,75	Ū	× 2 - Dominance Test is >50%
P-51	-00	= Total Co	ver	3 - Prevalence Index is ≤3.01
lerb Stratum (Plot size: R=5') Lysimachia nummularia	50	у	facw	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Fraxinus pennsylvanica	5	n	facw	Problematic Hydrophytic Vegetation ¹ (Explain)
	7.77			
		-		¹ Indicators of hydric soil and wetland hydrology must
,			_	be present, unless disturbed or problematic.
	-		$\overline{}$	Definitions of Vegetation Strata:
			-	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
· <u> </u>	7.7		_	at breast height (DBH), regardless of height.
J			_	Sapling/shrub - Woody plants less than 3 in. DBH
	_			and greater than or equal to 3.28 ft (1 m) tall.
0				Herb - All herbaceous (non-woody) plants, regardless
t				of size, and woody plants less than 3.28 ft tall.
2				Woody vines - All woody vines greater than 3.28 ft in
	55	= Total Co	ver	height.
Voody Vine Stratum (Plot size: R=30')				
Vitis riparia	15	V	facw	
		_		
		-		United the second secon
· 				Hydrophytic
× <u></u>				Present? Yes X No
	15	= Total Co	ver	

	Matrix	0/	Red	ox Featur	es	1 2	40.00	AU./U.4
inches))-7	Color (moist) 10 YR 4-1	<u>%</u> 100	Color (moist) 10 YR 4-6	_ <u>%</u> 12	Type ¹	Loc ²	silty clay	Remarks
		-	The state of the s					
-14	10 YR 5-1	90	10 YR 5-6	10	С	M	silty clay	
4-24	10 YR 5-3	60	10 YR 5-6	8	С	<u>M</u>	silty	
				=				
		Ξ			Ξ			
	Consouteding D-Do	nlation DA	/=Reduced Matrix, N	AS-Masks	d Cand C	rolpo	21 continue DI	=Pore Lining, M=Matrix.
Stratifie Deplete Thick D Sandy I Sandy I Strippe Dark Si	en Sulfide (A4) ad Layers (A5) ad Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R,	MLRA 149	Loamy Mucky Loamy Gleyed X Depleted Mate Redox Dark S Depleted Dark Redox Depres	Matrix (F rix (F3) urface (F6 Surface (ssions (F8)	(2) (6) (F7)		Polyvalue E Thin Dark Iron-Manga Piedmont F Mesic Spoo Red Parent Very Shallo Other (Expl	ce (S7) (LRR K, L) Selow Surface (S8) (LRR K, L) K Surface (S9) (LRR K, L) Inese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 1498 Lic (TA6) (MLRA 144A, 145, 1498 Material (F21) IND Dark Surface (TF12) In Remarks)
dicatore o	Layer (if observed		retiand hydrology me	ist be bres	sent, unies	is disturbed	or problematic.	
	Layer (II observed						N 1	
	Layer (II observed						the transfer of the following	
estrictive	147						Hydric Soil Pres	sent? Yes X

roject/Site: Westbrook - Canandaigua	City/County: Onta	ario	Sampling Date: 7/26/16
pplicant/Owner: Greg Westbrook		State: NY	Sampling Point: UP1
vestigator(s): Martin Janda, Dustin Bradley	Section, Township	, Range; Canandaigua	
Y (A. 17. (1.) A. (1.) A	Local relief (concave,		Slope (%): 2
ubregion (LRR or MLRA): LRR L Lat: 42.8			Datum: NAD 83
oil Map Unit Name: Odessa Silt Loam	1.111	NWI classific	
	Y		
re climatic / hydrologic conditions on the site typical for this	time of year? Yes I	No (If no, explain in R	
re Vegetation, Soil, or Hydrology si		Are "Normal Circumstances" p	
re Vegetation, Soil, or Hydrology na	aturally problematic? No	(If needed, explain any answe	rs in Remarks.)
UMMARY OF FINDINGS – Attach site map s	showing sampling poi	nt locations, transects	, important features, et
Hydrophytic Vegetation Present? Yes X No	Is the Sam	pled Area	V
Hydric Soil Present? Yes No	within a W	etland? Yes	No X
Wetland Hydrology Present? Yes No	49	nal Wetland Site ID:	
YDROLOGY			
Wetland Hydrology Indicators: NONE		Secondary Indica	tors (minimum of two required
Primary Indicators (minimum of one is required; check all the	nat apply)	Surface Soil	
	er-Stained Leaves (B9)	Drainage Pa	
	ntic Fauna (B13)	Moss Trim L	
	Deposits (B15)		Water Table (C2)
Water Marks (B1) Hydr	ogen Sulfide Odor (C1)	Crayfish Bur	rows (C8)
	ized Rhizospheres on Living		isible on Aerial Imagery (C9)
	ence of Reduced Iron (C4)		tressed Plants (D1)
	ent Iron Reduction in Tilled Sc		Position (D2)
	Muck Surface (C7) r (Explain in Remarks)	Shallow Aqu	aphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	(Cxplain in Nornaixa)	FAC-Neutral	
Field Observations:			,
Surface Water Present? Yes No X Dep	th (inches):		
Water Table Present? Yes No X Dep	th (inches):		
	th (inches):	Wetland Hydrology Preser	nt? Yes No X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, a	erial photos, previous inspec	tions), if available:	
sections recovered a did relation \$250 percentages			
Remarks:			

Tree Stratum (Plot size: R=30')	Absolute % Cover	Dominant Species?		Dominance Test worksheet:	
1. Fraxinus pennsylvanica	50	У	facw	Number of Dominant Species That Are OBL, FACW, or FAC: 3	(4)
2. Crataegus crusgalli	20	y	fac	That Are OBL, FACW, or FAC:	_ (A)
			ALIC .	Total Number of Dominant	(D)
3			_	Species Across All Strata:	_ (B)
4.		_		Percent of Dominant Species	(4.70)
5				That Are OBL, FACW, or FAC:	_ (A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
	70	= Total Cov	er	OBL species x1 =	
Sapling/Shrub Stratum (Plot size: R=15')				FACW species x2 =	
1. Cornus racernosa	20	у	fac	FAC species x3 =	
2. Lonicera tatarica	25	y	facu	FACU species x 4 =	
T		-		UPL species x 5 =	
3.	-			Column Totals: (A)	
4		\sim			
5.				Prevalence Index = B/A =	-
6				Hydrophytic Vegetation Indicators:	
7.				1 - Rapid Test for Hydrophytic Vegetation	
*	45	= Total Cov	or.	X 2 - Dominance Test is >50%	
Herb Stratum (Plot size: R=5 '		- Total Cov	C)	3 - Prevalence Index is ≤3.01	
1. Solidago canadensis	15	v	facu	4 - Morphological Adaptations (Provide su	pporting
		<u>y</u>		data in Remarks or on a separate shee	V 4 3 2 2 2 2
2			$\overline{}$	Problematic Hydrophytic Vegetation¹ (Exp	ain)
3	-			¹ Indicators of hydric soil and wetland hydrology	found
4.				be present, unless disturbed or problematic.	must
5				Definitions of Vegetation Strata:	
6				Definitions of vegetation strata.	
				Tree - Woody plants 3 in. (7.6 cm) or more in	diameter
7				at breast height (DBH), regardless of height.	
8				Sapling/shrub - Woody plants less than 3 in.	DBH
9				and greater than or equal to 3.28 ft (1 m) tall.	
10	-			Herb - All herbaceous (non-woody) plants, reg	ardless
11				of size, and woody plants less than 3.28 ft tall.	
12.				Woody vines - All woody vines greater than 3	.28 ft in
	15	= Total Cov	er	height.	
		0.000			
Woody Vine Stratum /Plot size: R=30'					
Woody Vine Stratum (Plot size: R=30')	0			The second second	
1. <u>none</u>	0	_			
	0				
1. none	0			Hydrophytic	
1. none 2.	0			Hydrophytic Vegetation Present? Yes X No	

	Matrix	12 202 42	pth needed to docu Red	ox Feature					
Depth (inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²		Remarks	
0-12	10 YR 4-3	100					silty loam	PART OF A STATE	
12-24	10 YR 5-4	95	10 YR 5-6	1	С	<u>M</u>	silty loam		
				=					
Type: C=Co		pletion, RN		MS=Maske	d Sand Gr	ains.		Pore Lining, M=Ma	
Black His Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	oipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surfacerk Surface (A12) ducky Mineral (S1) feleyed Matrix (S4) ledox (S5) Matrix (S6) rface (S7) (LRR R,	MLRA 149	Polyvalue Bek MLRA 149E Thin Dark Surl Loamy Mucky Loamy Gleyed Depleted Matr Redox Dark S Depleted Dark Redox Depres	3) face (S9) (Mineral (F I Matrix (F2 ix (F3) urface (F6) : Surface (I ssions (F8)	LRR R, M 1) (LRR K 2)) F7)	LRA 149B) ,, L)	Coast Prairie 5 cm Mucky Dark Surface Polyvalue Be Thin Dari Iron-Mangar Piedmont Fle Mesic Spodi Red Parent Very Shallov Other (Explain	A10) (LRR K, L, Me Redox (A16) (LR Peat or Peat (S3) e (S7) (LRR K, L) elow Surface (S8) (X Surface (S9) (LR Lese Masses (F12) codplain Soils (F15 or (TA6) (MLRA 14 Material (F21) v Dark Surface (TF Lin in Remarks)	R K, L, R) (LRR K, L, R) (LRR K, L) R K, L) (LRR K, L, R) 3) (MLRA 1498 44, 145, 1498
	ayer (if observed)		iotalia ilyaratagy ilia	as as pre-	-114,-11134		P. C.		
Tunn	7/4		_				Hydric Soil Pres	ent? Yes	X
Type: Depth (inc	ches):						the state of the s		

Project/Site: Westbrook - Canandaigua	City/County: Ont	ario	Sampling Date: 7/26/16
Applicant/Owner: Greg Westbrook			Sampling Point: UP2
Investigator(s): Martin Janda, Dustin Bradley	Section, Townshi		
Landform (hillslope, terrace, etc.): Shrubland	Local relief (concave	, convex, none): Convex	Slope (%): 2
Subregion (LRR or MLRA): LRR L L		Long: -77.2477	Datum: NAD 83
Soil Map Unit Name: Collamer Silt Loam		NWI classi	fication: N/A
Are climatic / hydrologic conditions on the site typica	for this time of year? Yes X		
Are Vegetation, Soil, or Hydrology _	significantly disturbed? NO	Are "Normal Circumstances	"present? Yes X No
Are Vegetation, Soil, or Hydrology _	naturally problematic? NO	(If needed, explain any ansv	vers in Remarks.)
SUMMARY OF FINDINGS - Attach site	map showing sampling po	int locations, transect	ts, important features, etc.
Hydric Soil Present? Yes	No X within a V	npled Area Vetland? Yes onal Wetland Site ID:	No_X
Remarks: (Explain alternative procedures here or	The second secon	onal Wetland Site ID:	
HYDROLOGY		0	contrary basis how we of the second of
Wetland Hydrology Indicators: NONE	00000000000000		cators (minimum of two required)
Primary Indicators (minimum of one is required; ch	Date of the same that I was a see of A for		oil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)		Patterns (B10) Lines (B16)
	Aquatic Fauna (B13) Marl Deposits (B15)		n Water Table (C2)
	Hydrogen Sulfide Odor (C1)		urrows (C8)
	Oxidized Rhizospheres on Living		Visible on Aerial Imagery (C9)
	Presence of Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled S	ioils (C6) Geomorph	ic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		quitard (D3)
Inundation Visible on Aerial Imagery (B7) _	Other (Explain in Remarks)		graphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutr	ral Test (D5)
Field Observations: Surface Water Present? Yes No X	Som many and		
	Depth (inches): Depth (inches):		
Water Table Present? Yes No X Saturation Present? Yes No X		Wetland Hydrology Pres	ent? Yes No X
(includes capillary fringe)		Fig. Trucker a flaste	entr resno
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspe	ctions), if available:	
Remarks:			

Tree Stratum (Plot size: R=30') 1. none	% Cover 0	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
2.				Total Number of Dominant	5	
3. 4.				Species Across All Strata: Percent of Dominant Species	-	(B)
5.				That Are OBL, FACW, or FAC:	40	(A/B)
6			-	Prevalence Index worksheet	21	7
7.	0	74 7740	-	Total % Cover of:		
Sapling/Shrub Stratum (Plot size: R=15')		= Total Cov	/er	OBL species	x 2 =	
1. Cornus racernosa	_ 25	<u>y</u>	fac	FAC species		
2. Fraxinus pennsylvanica	20	у	facw	UPL species		
3. Lonicera tatarica	15	У	facu	Column Totals:		
4,				Prevalence Index = B/A		
5				Hydrophytic Vegetation India	1.00	
6				1 - Rapid Test for Hydroph		n
7	60			2 - Dominance Test is >50	500 W 700 W	
Herb Stratum (Plot size: R=5 1		= Total Co	/er	3 - Prevalence Index is ≤3	.01	
1. Solidago canadensis	45	У	facu	4 - Morphological Adaptati data in Remarks or on	ons ¹ (Provide	supporting
2. Cirsium arvense	15	у	facu	Problematic Hydrophytic V		
3.						
4.				¹ Indicators of hydric soil and we be present, unless disturbed or	etland hydrolo problematic.	gy must
5			5 - 1	Definitions of Vegetation Str	ata:	
6.				Tree – Woody plants 3 in. (7.6		n diameter
7				at breast height (DBH), regard		diameter
8				Sapling/shrub - Woody plants		
9	_			and greater than or equal to 3.	28 ft (1 m) tall	
10	-			Herb - All herbaceous (non-wo	oody) plants, r	egardless
11				of size, and woody plants less		
12	-			Woody vines – All woody vine height.	s greater than	3,28 ft in
	60	= Total Cov	/er	noight.		
Woody Vine Stratum (Plot size: R=30')	2					
1. none	0	-				
2						
3		·		Hydrophytic		
4	0			Vegetation Present? Yes	No X	_
	0	= Total Co	/er			

10 YR 4-3	inches)	Matrix	2000		ox Feature	s1	. 2	4 0.000	Ambiene	
2	10			A TOP OF THE RESERVE		Type	Loc		Remarks	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ype: C=Concentration, D=Depleted Natrix ype: C=Concentration, D=Depleted Matrix, MS=Masked Sand Grains. ype: C=Concentration, D=Depleted Matrix ype: C=Concentration, M=Matrix ype: D=Depleted Matrix ype: D=Depleted Matrix ype: D=Depleted Matrix ype: D=De			-	- Tuesta's	-	_				
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Accation: PL=Pore Lining, M=Matrix.							-			
Indicators for Problematic Hydric Soils ³ : Histosol (A1)	6-24	10 YR 6-6	95	10 YR 6-8	_1	С	<u>M</u>	silty loam		
Indicators for Problematic Hydric Soils ³ : Histosol (A1)		-	_		_	_				
Indicators for Problematic Hydric Soils ³ : Histosol (A1)										
Indicators for Problematic Hydric Soils ³ : Histosol (A1)										
Indicators for Problematic Hydric Soils ³ : Histosol (A1)			-			_	_			
Indicators for Problematic Hydric Soils ³ : Histosol (A1)							=			
Indicators for Problematic Hydric Soils ³ : Histosol (A1)										
Indicators for Problematic Hydric Soils ³ : Histosol (A1)	ima: C=C	oncentration D=De	nletion PA	M=Reduced Matrix N		Sand G	rains	2l ocation: Pl =F	ore Lining M=M	atrix
Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (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) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Addicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type: Depth (inches): Hydric Soil Present? Yes Hydric Soil Present? Yes Hydric Soil Present? Yes				VI-Reduced Matrix, IV	no-iviaskec	Janu G	iallis.			
Black Histic (A3)						(S8) (LR	RR,			
Hydrogen Sulfide (A4)						DD D M	U DA 440D)			
Stratified Layers (A5)		CHORDON THE STATE OF THE STATE						The state of the s		(LKK K, L, K)
Thick Dark Surface (A12)					Company of the Compan	The second of the second	7 7			(LRR K, L)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 148, 149, 149, 149, 149, 149, 149, 149, 149			ce (A11)	The second secon						
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149 Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Setrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X										
Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6)						-7)				
Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed):				Nedox Depice	salona (i o)					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sestrictive Layer (if observed): Type: Depth (inches): Type:								Very Shallow	Dark Surface (TI	F12)
Depth (inches): Hydric Soil Present? Yes X	_ Dark Su	rface (S7) (LRR R,	MLRA 149	9B)				Other (Explain	in Remarks)	
Type:				vetland hydrology mu	ust be prese	ent, unles	s disturbed	or problematic.		
Depth (inches):		Luyer (II observed								
emarks:		ches):						Hydric Soil Prese	nt? Yes	_ <u>X</u>
		and the second second								
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									
	Depth (in									

Project/Site: Westbrook - Canandaigua	Citv/Co	unty: Ontario		Sampling Date: 7	/26/16
Applicant/Owner: Greg Westbrook				_ Sampling Point	
Investigator(s): Martin Janda, Dustin Bradley	Section	n, Township, Range: <u>Ca</u>			
Landform (hillslope, terrace, etc.): Shrubland	Local relie			Slope	2 (%). 2
Subregion (LRR or MLRA): LRR L		Long: -77.2		Datum	. NAD 83
Soil Map Unit Name: Collamer Silt Loam	Lat.				
			NWI classifica		
Are climatic / hydrologic conditions on the site typ			no, explain in Re		1335
Are Vegetation, Soil, or Hydrology				resent? Yes X	No
Are Vegetation, Soil, or Hydrology	naturally problemati	ic? NO (If needed, ex	plain any answer	s in Remarks.)	
SUMMARY OF FINDINGS – Attach si	te map showing samp	oling point location	s, transects,	important fea	atures, etc
Hydrophytic Vegetation Present? Yes	No	Is the Sampled Area			
	No X	within a Wetland?	Yes	No X	
	21 . 34	If yes, optional Wetland	Site ID:		
HYDROLOGY					
Wetland Hydrology Indicators: NONE		5	Secondary Indicat	tors (minimum of t	wo required)
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil (
Surface Water (A1)	Water-Stained Leaves	(B9)	Drainage Pati		
High Water Table (A2)	Aquatic Fauna (B13)	TOTAL .	Moss Trim Lir	nes (B16)	
Saturation (A3)	Marl Deposits (B15)	A.A.		Vater Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor		Crayfish Burn		TE - 1 7 100
Sediment Deposits (B2)	Oxidized Rhizospheres			sible on Aerial Ima	
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduced I Recent Iron Reduction		Geomorphic I	ressed Plants (D1) Position (D2)	,
Iron Deposits (B5)	Thin Muck Surface (C7		Shallow Aquil		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Rema			phic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)			FAC-Neutral	Test (D5)	
Field Observations:	V Dec Sull				
Surface Water Present? Yes No					
Water Table Present? Yes No _ Saturation Present? Yes No _				10 V	No X
Saturation Present? Yes No _ (includes capillary fringe)	X Depth (inches):	Wettand Hy	drology Present	tr res	NO
Describe Recorded Data (stream gauge, monito	ring well, aerial photos, previ	ious inspections), if avail	able:		
Remarks:					

Tree Stratum (Plot size; R=30 1) 1. Fraxinus pennsylvanica	Absolute % Cover 10	Dominant Species? y	Indicator Status facw	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)			
2				Total Number of Dominant Species Across All Strata: 4 (B)			
4							
5			-	Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)			
5.							
W1				Prevalence Index worksheet:			
7	10	12/5.125		Total % Cover of:Multiply by:			
D 151	10	= Total Co	er er	OBL species x 1 =			
Sapling/Shrub Stratum (Plot size: R=15')	50	44	Lolu	FACW species x 2 =			
1. Fraxinus pennsylvanica	50	у	facw	FACUlaracia			
Cornus racemosa	20	У	fac	FACU species x 4 =			
3. Cornus amomum	15	n	facw	UPL species x 5 = Column Totals: (A) (B)			
4				Column Totals(A)(B)			
5.				Prevalence Index = B/A =			
3.				Hydrophytic Vegetation Indicators:			
				1 - Rapid Test for Hydrophytic Vegetation			
7	85	4 19/01	$\overline{}$	x 2 - Dominance Test is >50%			
P-51	= Total Cover		er	3 - Prevalence Index is ≤3.0¹			
Herb Stratum (Plot size: R=5 ')	44		Latin	4 - Morphological Adaptations¹ (Provide supporting			
Solidago canadensis	15	У	facu	data in Remarks or on a separate sheet)			
2.				Problematic Hydrophytic Vegetation¹ (Explain)			
3				4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4			
4				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
				en and an analysis of the second seco			
6				Definitions of Vegetation Strata:			
6,				Tree - Woody plants 3 in. (7.6 cm) or more in diameter			
7,	-		_	at breast height (DBH), regardless of height.			
B				Sapling/shrub - Woody plants less than 3 in. DBH			
o				and greater than or equal to 3.28 ft (1 m) tall.			
10.				Herb - All herbaceous (non-woody) plants, regardless			
(1				of size, and woody plants less than 3.28 ft tall.			
12				Woody vines - All woody vines greater than 3.28 ft in			
1417	15	= Total Cov	er	height.			
Woody Vine Stratum (Plot size: R=30')		1010,001	0,				
none (Flor Size)	0						
2	-			N			
3				Hydrophytic			
4				Vegetation Present? Yes X No			
	0	= Total Co	er				

Depth	Matrix	77.07.77	pth needed to docu Red	ox Feature						
(inches)	Color (moist)	_ %_	Color (moist)	%	Type ¹	_Loc2	Texture	Remark	s	
0-12	10 YR 4-3	100	A STATE OF THE STA				silty loam			
12-24	10 YR 5-4	95	10 YR 6-8	1	<u>C</u>	<u>M</u>	silty loam			
Type: C=C	oncentration, D=De	pletion, RN	∕/⊫Reduced Matrix, M	S=Maske	d Sand G	rains.	² Location: PL=	Pore Lining, M=N	//atrix.	
Black Hi Hydroge Stratified Depleted Thick Da Sandy N Sandy R Stripped	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surfa- ark Surface (A12) Mucky Mineral (S1) Sleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7) (LRR R,	MLRA 149	Thin Dark Surf Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark St Depleted Dark Redox Depres				Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)			
			vetland hydrology mu	st be pres	ent, unles	s disturbed	or problematic.			
ndicators of	f hydrophytic vegeta						100			
ndicators of testrictive I	f hydrophytic vegeta Layer (if observed):								
Indicators of Restrictive I Type:	Layer (if observed):	_				Hydric Soil Pres	ent? Yes	×	
Indicators of Restrictive I	Layer (if observed):					Hydric Soil Pres	ent? Yes	<u>×</u>	