

APPENDIX C USACE Routine Wetland Determination Forms & TRC's Stream Inventory Data Forms

Project/Site: Excelsior	City/County: Byron, Genesee County	Sampling Date: 2019-June-17
Applicant/Owner: Excelsior	State: Ne	w York Sampling Point: W-WSH-01_PEM-1
Investigator(s): Weston Hillegas, Isaac Pallant	Section, Township	, Range:
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, con	vex, none): Concave Slope (%): 0 to 1
Subregion (LRR or MLRA): LRR L	Lat: 43.0428935	Long: -78.0403443 Datum: WGS84
Soil Map Unit Name: Lima silt loam, 0 to 3 perce	nt slopes (LmA)	NWI classification: None
Are climatic/hydrologic conditions on the site typical	-	o <u>✓</u> (If no, explain in Remarks.)
		al Circumstances" present? Yes 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, tra	nsects, important features, etc.
Hydrophytic Vegetation Present? Yes _	✓_ No	
Hydric Soil Present? Yes _	✓ No Is the Sampled Area with	in a Wetland? Yes _✓_ No
Wetland Hydrology Present? Yes _	✓_ No If yes, optional Wetland S	site ID: W-WSH-01
Remarks: (Explain alternative procedures here or i		
Covertype is PEM. Area is wetland, all three wetlan	•	lvear
Covertype is PEW. Area is wetland, all timee wetlan	d parameters are present. Wetter than typica	il year.
HYDROLOGY		
Wetland Hydrology Indicators:	and all that and A	Consider the disastens (reining tree of the ground)
Primary Indicators (minimum of one is required; c		Secondary Indicators (minimum of two required)
Surface Water (A1)	_ Water-Stained Leaves (B9)	Surface Soil Cracks (B6) Drainage Patterns (B10)
High Water Table (A2)	_ Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Water Marks (B1)	_ Marl Deposits (B15) _ Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	_ Aydrogen Sumde Odor (C1) _ Oxidized Rhizospheres on Living Roots (C3)	Crayfish Burrows (C8)
Sediment Deposits (D2)	_ Oxidized Kilizospheres on Living Roots (es)	✓ 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)		<u>✓</u> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No	Depth (inches): 2	
Water Table Present? Yes No _	✓ Depth (inches):	Wetland Hydrology Present? Yes _✓_ No
Saturation Present? Yes No _	✓ Depth (inches):	
(includes capillary fringe)	· · · · · · · · · · · · · · · · · · ·	-
Describe Recorded Data (stream gauge, monitorin	g well aerial photos previous inspections) if	available:
Describe recorded bata (stream gauge, monitoring	6 Well, derial photos, previous inspections,, ii	available.
Demarket		
Remarks:		
The criterion for wetland hydrology is met.		

				S . T . II			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp Are OBL, FACW, or FAC:	pecies inat	1	(A)
1				Total Number of Domina	ant Enacios		
2				Across All Strata:	ant species	1	(B)
3				Percent of Dominant Sp	acias That		
4				Are OBL, FACW, or FAC:	ecies mac	100	(A/B)
5				Prevalence Index works	heet:		
6.				Total % Cover of		Multiply B	sv:
7				OBL species	10	x 1 =	10
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species	0	x3=	0
1				FACU species	0	x 4 =	0
2.				UPL species	0	_	0
3.						x 5 =	
4.				Column Totals	10	(A) _	10 (B)
5.				Prevalence Inc		1	
6.				Hydrophytic Vegetation			
7.				1- Rapid Test for H	ydrophytic V	egetation	
··		= Total Cove		_ ✓ 2 - Dominance Tes	t is >50%		
Herb Stratum (Plot size: _ 5 ft)		-	-1	_ ✓ 3 - Prevalence Inde	$ex is \le 3.0^{1}$		
1. Alisma triviale	10	Yes	OBL	4 - Morphological A	•		upporting
2.		163	OBL	data in Remarks or on a			
				Problematic Hydro			
3.				¹ Indicators of hydric soil		, .	y must be
4.				present, unless disturbe	-	matic	
5				Definitions of Vegetation			
6				Tree – Woody plants 3 ir			iameter at
7				breast height (DBH), reg			
8				Sapling/shrub - Woody			BH and
9				greater than or equal to			
10				Herb – All herbaceous (r	-		ardless of
11				size, and woody plants l			
12				Woody vines – All woody	y vines great	er than 3.2	28 ft in
	10	= Total Cove	er	height.			
Woody Vine Stratum (Plot size: 30 ft)	·	_		Hydrophytic Vegetation	Present? \	∕es <u> </u>	·
1.							
2.							
3.							
4.							
	0	= Total Cove	er				
		-					
Remarks: (Include photo numbers here or on a separa	ite sheet.)						
Active agricultural field.							

Profile Des	cription: (Describe Matrix	to the d	epth needed to d			indicator	or confirm the	absence of indicato	ors.)
(inches)	Color (moist)	%	Color (moist)		Type ¹	l oc²	Τρ	xture	Remarks
0 - 12	7.5YR 2.5/1	100	Color (ITIOISE)		Турс			lay Loam	Remarks
12 - 20	10YR 5/2	80	10YR 5/6	20					
12 - 20	1018 3/2	80	1018 3/0	20			Clay	/ Loam	
				· —					
				-				_	
¹Tvpe: C = (Concentration, D =	Depleti	on. RM = Reduced	Matr	ix. MS =	Masked	Sand Grains.	² Location: PL = Pore	Lining, M = Matrix.
Hydric Soil			.,		,				roblematic Hydric Soils³:
Histoso			Polyvalue Be	low S	urface (S	.8) (I RR I	R MIRA 149R)		•
	oipedon (A2)		Thin Dark Su						A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						e Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye			(-,		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface	
	d Below Dark Surf	ace (A11	•						elow Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	rk Sur	face (F7))			urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R)
Sandy N	/lucky Mineral (S1)		Redox Depre	ession	ıs (F8)				
Sandy 0	Gleyed Matrix (S4)								oodplain Soils (F19) (MLRA 149B) c (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)							•	
Strippe	d Matrix (S6)							Red Parent I	v Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, I	MLRA 14	9B)					Other (Expla	
								•	
3Indicators	of hydrophytic veg	getation	and wetland hyd	rology	/ must be	e presen	t, unless disturl	bed or problematic.	
Restrictive	Layer (if observed)):							
	Type:		None	-		Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									
The second second se	6								
The criterio	on for hydric soil is	met.							

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Excelsior	City/County: Byre	on, Genesee County	Sampling Date:	2019-June-17	
Applicant/Owner: Excelsior		State: Nev	v York Sampling Point:	W-WSH-01_UPL-1	
Investigator(s): Weston Hillega	ıs, Isaac Pallant	Section, Township,	Range:		
Landform (hillslope, terrace, etc.)	: Flat	Local relief (concave, conv	ex, none): Convex	Slope (%): 1 to 3	
Subregion (LRR or MLRA):L	RR L	Lat: 43.042749	Long: -78.0405788	Datum: WGS84	
Soil Map Unit Name: Hilton lo	am, 0 to 3 percent slopes (HlA)		NWI classific	cation: None	
Are climatic/hydrologic condition	is on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, explain in Remar	ks.)	
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" present?	Yes No _ _ /	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Rem	arks.)	
SUMMARY OF FINDINGS - A	Attach site map showing sampli	ng point locations, trar	nsects, important featur	es, etc.	
Hydrophytic Vegetation Present	? Yes No/				
Hydric Soil Present?	Yes No _ ✓	Is the Sampled Area withi	n a Wetland?	Yes No∕_	
		1		ies NO	
Wetland Hydrology Present?	Yes No _ ∠	If yes, optional Wetland Si	ite ID:		
Remarks: (Explain alternative pr	ocedures here or in a separate report	t)			
Covertype is UPL. Area is upland	l, not all three wetland parameters ar	e present. Wetter than avei	rage year.		
	'	•	3 ,		
LIVEROLOGY					
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minir	num of two required)	
Surface Water (A1)	Water-Stained Le		Surface Soil Cracks (B6)	•	
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)		
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table	(C2)	
Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	Crayfish Burrows (C8)		
Scamene Deposits (B2)	Oxidized Nilizosp	neres on Living Roots (es)	Saturation Visible on Ae	rial Imagery (C9)	
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted or Stressed Plan		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D		
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aquitard (D3)	- /	
Inundation Visible on Aerial			Microtopographic Relief	(D4)	
Sparsely Vegetated Concave		,	FAC-Neutral Test (D5)	(- ')	
Field Observations:					
Surface Water Present?	Yes No Depth	(inches):			
	•	· · · · · · · · · · · · · · · · · · ·		5 V N	
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland Hydrology Present	? Yes No _ ∠	
Saturation Present?	Yes No 🟒 Depth	(inches):			
(includes capillary fringe)					
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), if a	available:		
	8 . 9 . 7	.,			
Remarks:					
The criterion for wetland hydrol	ogy is not met.				

VEGETATION - Ose scientific flames of plai		Dominant	Indicator	Dominance Test worksheet			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Species?	Status	Number of Dominant Speci			
1.	70 COVCI	эресісэ.	Status	Are OBL, FACW, or FAC:	ics mac	0	(A)
2.				Total Number of Dominant	Species	2	(B)
3.	, <u></u>			Across All Strata:			
4.				Percent of Dominant Specie	es That	0	(A/B)
5.				Are OBL, FACW, or FAC:			`
6.				Prevalence Index workshee	et:		
7.				Total % Cover of:		Multiply	-
		= Total Cove	er e		10	x 1 =	10
Sapling/Shrub Stratum (Plot size:15 ft)		-		FACW species	0	x 2 =	0
1.				FAC species	0	x 3 =	0
2				· -	20	x 4 =	80
3.				- UPL species	95	x 5 =	475
4.				- Column Totals1	125	(A)	565 (B)
5.				Prevalence Index	= B/A =	4.5	
				Hydrophytic Vegetation Ind	icators:		
6.				1- Rapid Test for Hydr	ophytic V	egetation	1
7				2 - Dominance Test is	> 50%		
	0	_= Total Cove	er	3 - Prevalence Index is	s ≤ 3.0¹		
Herb Stratum (Plot size: <u>5 ft</u>)	60		LIBI	4 - Morphological Ada	ptations1	(Provide	supporting
1. Trifolium resupinatum	60	Yes	UPL	data in Remarks or on a sep	oarate sh	eet)	
2. Medicago sativa	35	Yes	UPL	- Problematic Hydrophy	ytic Veget	tation¹ (Ex	kplain)
3. Ambrosia artemisiifolia	20	<u>No</u>	FACU	¹ Indicators of hydric soil an	d wetland	d hydrolo	gy must be
4. Alisma triviale	10	<u>No</u>	OBL	present, unless disturbed o	r probler	natic	
5				Definitions of Vegetation St	rata:		
6				Tree – Woody plants 3 in. (7			diameter at
7				breast height (DBH), regard		_	
8				Sapling/shrub - Woody plan			DBH and
9.				greater than or equal to 3.2			
10				Herb – All herbaceous (non			gardless of
11				size, and woody plants less			20.6 :
12	,			Woody vines – All woody vin	nes great	er than 3	.28 π in
	125	= Total Cove	er	height.			
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Pro	esent? Y	′es N	No _ _ _
1	,			_			
2.				_			
3.							
4.							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a se	parate sheet.)						
Active agricultural field.	,						

Profile Des	cription: (Describe Matrix	to the d	epth needed to d			indicato	or confirm the	absence of indicator	rs.)
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc2	Te	exture	Remarks
0 - 12	10YR 4/1	100	Color (ITIOISC)		Турс			Clay Loam	Remarks
12 - 20	7.5YR 6/1	80	7.5YR 5/6	20					
12 - 20	7.518 0/1	80	7.518 5/0	20			Cla	y Loam	
								_	
¹Tvpe: C = (Concentration, D =	Depleti	on. RM = Reduced	d Matr	ix. MS =	Masked	Sand Grains.	² Location: PL = Pore	Lining, M = Matrix.
Hydric Soil			,		,				oblematic Hydric Soils ³ :
Histoso			Polyvalue Be	low S	urface (S	(8) (I RR I	R MIRA 149R)		•
	oipedon (A2)		Thin Dark Su						10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	•		(=::::,	-,		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface	
	d Below Dark Surf	ace (A11							low Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	rk Sur	face (F7))			rface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R)
Sandy N	/lucky Mineral (S1)		Redox Depre	ession	ıs (F8)				
Sandy 0	Gleyed Matrix (S4)								oodplain Soils (F19) (MLRA 149B) : (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								
Strippe	d Matrix (S6)							Red Parent M	Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, I	MLRA 14	9B)					Other (Explai	
									II III Keiliai ks)
3Indicators	of hydrophytic veg	getation	and wetland hyd	rology	/ must b	e preser	t, unless distur	bed or problematic.	
Restrictive	Layer (if observed)):							
	Type:		None	-		Hydric	Soil Present?		Yes No/_
	Depth (inches):								
Remarks:									
NI iti	in diameter of break								
No positive	indication of hydr	TIC SOIIS V	vas observed.						

Vegetation Photos



Soil Photos



Applicant/Owner: Excelsior
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1 to 3 Subregion (LRR or MLRA): LRR L Lat: 43.042594 Long: -78.041765 Datum: WGS84 Soil Map Unit Name: Lyons soils, 0 to 3 percent slopes (LoA) NWI classification: R4SBCx Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 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 No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Subregion (LRR or MLRA): LRR L Lat: 43.042594 Long: -78.041765 Datum: WGS84 Soil Map Unit Name: Lyons soils, 0 to 3 percent slopes (LoA) Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 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 No Hydric Soil Present? Yes No Hydrology Present? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Soil Map Unit Name: Lyons soils, 0 to 3 percent slopes (LoA) Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 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 No Hydric Soil Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 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/ No Hydric Soil Present? Yes/ No Wetland Hydrology Present? Yes/ No Wetland Hydrology Present? Yes/ No Remarks: (Explain alternative procedures here or in a separate report)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 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 No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report)
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 No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Hydrophytic Vegetation Present? Yes/_ No Hydric Soil Present? Yes/_ No Wetland Hydrology Present? Yes/_ No Is the Sampled Area within a Wetland? Yes/_ No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Hydrophytic Vegetation Present? Yes/_ No Hydric Soil Present? Yes/_ No Wetland Hydrology Present? Yes/_ No Is the Sampled Area within a Wetland? Yes/_ No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: W-WSH-02 Remarks: (Explain alternative procedures here or in a separate report)
Remarks: (Explain alternative procedures here or in a separate report)
Remarks: (Explain alternative procedures here or in a separate report)
Covertype is FEW. Area is wedand, an direce wedand parameters are present. Wetter diam average year.
HYDROLOGY
Wetland Hydrology Indicators:
Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required)
✓ Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6)
✓ High Water Table (A2) — Aquatic Fauna (B13) ✓ Drainage Patterns (B10) — Moss Trim Lines (B16)
Wat Deposits (D15)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Presence of Regulation (C4) Stunted or Stressed Plants (D1)
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)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
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)
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)
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)
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) Value on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)
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 No Depth (inches): 3
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) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 3 Wetland Hydrology Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No
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) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present?
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) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 3 Wetland Hydrology Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 (includes capillary fringe)
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) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present?
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) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 3 Wetland Hydrology Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 (includes capillary fringe)
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) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present?
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?
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) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present?
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) Factorial Test (D5)
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?
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?
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?

Tree Stratum (Plot size:30 ft)	Absolute	Dominant	Indicator	Dominance Test works	heet:		
1.	% Cover	Species?	Status	Number of Dominant Are OBL, FACW, or FAC	•	1	(A)
2.				Total Number of Domi	nant Species	1	(B)
3				Across All Strata: Percent of Dominant S	nocios That		
4				- Are OBL, FACW, or FAC	•	100	(A/B)
5				Prevalence Index work			
6				Total % Cover	of:	Multiply	By:
7				- OBL species	13	x 1 =	13
	0	_= Total Cove	er	FACW species	90	x 2 =	180
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species	0	x 3 =	0
1.				- FACU species	0	x 4 =	0
2				- UPL species	0	x 5 =	0
3.				- Column Totals	103	(A)	193 (B)
4				- Prevalence I	ndex = B/A =	1.9	
5.				Hydrophytic Vegetatio	n Indicators:		
6.				1- Rapid Test for		egetation	
7				2 - Dominance Te	est is >50%		
	0	_= Total Cove	er	3 - Prevalence Inc	dex is ≤ 3.01		
Herb Stratum (Plot size:5 ft) 1. Phalaris arundinacea	00	V	EACIA!	4 - Morphologica	l Adaptations¹	(Provide	supporting
	90	Yes	FACW	- data in Remarks or on	•		
2. Typha angustifolia	10	No No	OBL	- Problematic Hyd	, , ,		•
3. <u>Lythrum salicaria</u>	3	No	OBL	- Indicators of hydric so		,	gy must be
4				present, unless disturb		matic	
5.				_ Definitions of Vegetati			
6.				_ Tree - Woody plants 3			diameter at
7 8.				breast height (DBH), re Sapling/shrub – Wood			NPU and
9.				greater than or equal			Dilanu
10.				Herb – All herbaceous			ardless of
11.				size, and woody plants			,
12.				Woody vines - All woo	dy vines great	er than 3.	28 ft in
12.	103	= Total Cove	ar	height.			
Woody Vine Stratum (Plot size:30 ft)	103		-1	Hydrophytic Vegetation	on Present?	∕es <u> </u>	lo
1.							
2.				-			
3.				-			
4.				-			
··	0	= Total Cove	er e	-			
	-						
Remarks: (Include photo numbers here or on a se	•						
Active agricultural field. Schedonorus arundinace	us was used as	the upland b	oundary.				

-	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²		xture	Remarks
0 - 20	10YR 3/2	95	7.5YR 5/6	5	C	_M	Rocky Lo	oamy Sand	
		_							
		_							
		—							
				_					
		_							
		_							
		_							
	Concentration, D = [— Depleti	on, RM = Reduced	Matı	rix. MS =	Masked Sar	d Grains. ² L	ocation: PL = Pore Li	ning, M = Matrix.
	Indicators:	-1	,		,				olematic Hydric Soils³:
Histoso			Polyvalue Be	low S	urface (S	8) (LRR R, M	LRA 149B)		0) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su						edox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muck			(LRR K, L)			eat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S	
	d Layers (A5) d Below Dark Surfa	co (A11	Depleted Ma					Polyvalue Belo	w Surface (S8) (LRR K, L)
'	ark Surface (A12)	LE (AT	Depleted Da					Thin Dark Surf	
	Mucky Mineral (S1)		Redox Depre						se Masses (F12) (LRR K, L, R)
•	Gleyed Matrix (S4)				,				dplain Soils (F19) (MLRA 149B)
•	Redox (S5)								TA6) (MLRA 144A, 145, 149B)
Strippe	d Matrix (S6)							Red Parent Ma	rark Surface (TF12)
Dark Su	ırface (S7) (LRR R, M	LRA 14	9B)					Other (Explain	
Indicatoro	of hydrophytic vege	tation	and watland by	rolom	, must be	nrocont	alace dieturba		.
	Layer (if observed):	tation	and wettand nyu	lology	y iliust be	Present, u	iless distuibe	d of problematic.	
esu icuve	Type:		None			Hydric Soi	Present?		Yes/_ No
	Depth (inches):		None	-		l lydric 30i	i reserie:		163 <u>v</u> 140
emarks:	Deptil (iliches).								<u> </u>
	adication of budgic	حبيدانه	s absantad						
positive i	ndication of hydric s	oon wa	s observed.						

Vegetation Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South





Project/Site: Excelsior	City/County: Byr	on, Genesee County		Sampling Date: 2019	9-June-17	
Applicant/Owner: Excelsior		State: Nev	w York Sa	ampling Point: W-WS	H-02_UPL-1	
Investigator(s): Weston Hillegas	s, Isaac Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	: Hillslope	Local relief (concave, conv	ex, none):(Convex	Slope (%): 1 to 10	
Subregion (LRR or MLRA): LF	RR L	Lat: 43.0425521	Long:	78.0414177	Datum: WGS84	
Soil Map Unit Name: Hilton loa	am, 0 to 3 percent slopes (HIA)			NWI classification	:	
Are climatic/hydrologic conditions	s on the site typical for this time of y	ear? Yes No	_ ∠ (If no, e	xplain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly d				′es No /_	
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? (If needed,	explain any	answers in Remarks.)		
SUMMARY OF FINDINGS – A	ttach site map showing sampl	ing point locations, trar	nsects, imp	ortant features, e	tc.	
Hydrophytic Vegetation Present?	? Yes No _ _/ _					
Hydric Soil Present?	Yes No _ _ _	Is the Sampled Area withi	in a Wetland?	? Yes	No/_	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	ite ID:			
	ocedures here or in a separate repor					
•	, not all three wetland parameters ar		rage vear			
Covertype is OFL. Area is upland	, not all tillee wetiand parameters al	e present. Wetter than aver	rage year.			
HYDROLOGY						
Г						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		-	Indicators (minimum o	of two required)	
Surface Water (A1)	Water-Stained Le		Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B		_	e Patterns (B10)		
Saturation (A3)	Marl Deposits (B			im Lines (B16) son Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide		-	Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)		on Visible on Aerial Im	nagery (C9)	
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)		or Stressed Plants (D		
Algal Mat or Crust (B4)		iction in Tilled Soils (C6)		rphic Position (D2)	• ,	
Iron Deposits (B5)	Thin Muck Surfac			Aquitard (D3)		
Inundation Visible on Aerial I				pographic Relief (D4)		
Sparsely Vegetated Concave :				utral Test (D5)		
Field Observations:					_	
Surface Water Present?	Yes No <u>_</u> Depth	(inches):				
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland Hy	drology Present?	Yes No / _	
Saturation Present?		(inches):	-			
(includes capillary fringe)			=			
	gauge, monitoring well, aerial photo	os previous inspections) if :	availahla.			
Describe Recorded Data (stream	gauge, monitoring well, aeriai prioto	os, previous irispections), ir o	avallable.			
Remarks:						
The criterion for wetland hydrolo	ogy is not met.					

'				<u> </u>			
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	oecies That	0	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Domin	ant Species	1	(B)
3				Across All Strata:			
4				Percent of Dominant Sp	ecies i nat	0	(A/B)
5.				Are OBL, FACW, or FAC:	L		
6.				Prevalence Index works			_
7.				Total % Cover o		Multiply I	
	0	= Total Cove	er	OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)		-		FACW species	0	x 2 =	0
				FAC species	0	x 3 =	0
1 2.				FACU species	0	x 4 =	0
				UPL species	85	x 5 =	425
3.				Column Totals	85	(A)	425 (B)
4				Prevalence Inc	dex = B/A =	5	
5				Hydrophytic Vegetation			
6				1- Rapid Test for H		/egetation	
7				2 - Dominance Tes		egetation.	
	0	= Total Cove	er	3 - Prevalence Inde			
Herb Stratum (Plot size:5 ft)				4 - Morphological		(Provide s	supporting
1. <i>Medicago sativa</i>	85	Yes	UPL	data in Remarks or on a	•		supporting
2				Problematic Hydro			nlain)
3.		·		¹Indicators of hydric soil			•
4.				present, unless disturbe			sy must be
5.				Definitions of Vegetation		Tidele	-
6.				Tree – Woody plants 3 in		more in c	diameter at
7.	-			breast height (DBH), reg			diarrieter at
8.				Sapling/shrub - Woody			NRH and
9.				greater than or equal to			bii and
				Herb – All herbaceous (r			ardless of
10				size, and woody plants l	-		541 41633 01
11				Woody vines – All wood			28 ft in
12				height.	,es g. ea.		
	85	= Total Cove	er	Hydrophytic Vegetation	Drocont2 \	/oc N	lo /
Woody Vine Stratum (Plot size: 30 ft)				nyuropriyuc vegetatior	i Present?	res iv	IO <u>-</u>
1							
2							
3							
4							
	0	= Total Cove	er				
Demarker (Include abote numbers here or on a constat	o shoot)						
Remarks: (Include photo numbers here or on a separat	e sneet.)						
Active agricultural field.							

0 - 12	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Texture	Remarks
0-12	10YR 2/1	100		_			Silt Loam	
				_				
				_				
				_				
				_				
				_				
ype: C = C	oncentration, D =	 Depletion	, RM = Reduced	 Matr	rix, MS =	Masked S	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
dric Soil I	ndicators:							Indicators for Problematic Hydric Soils ³ :
Black His Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy Re Stripped Dark Sur	ipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) I Below Dark Surfark Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) fface (S7) (LRR R, M	 ace (A11)_ _ _ _ _ _ _ _ _ _	Depleted Dar Redox Depre:	face Mind Mar rix (F urfact k Sur ssion	(S9) (LRR eral (F1) trix (F2) F3) ce (F6) rface (F7) is (F8)	R, MLRA	149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 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)
	of hydrophytic veg		nd wetland hydr	ology	y must be	e present	unless disturbe	d or problematic.
Strictive L	ayer (if observed): Type:		avel layer			Hydric 9	oil Present?	Yes No ∠ _
	iype.	u	averiayer			liyunc	on resent:	163 140 <u></u>
	Depth (inches):		12					

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sa	mpling Date: 2019-	-June-18		
Applicant/Owner: Excelsion		State: Nev	w York Sam	pling Point: W-WSH	I-03_PEM-1		
Investigator(s): Weston Hillega	s, Isaac Pallant	Section, Township,	Range:				
Landform (hillslope, terrace, etc.)	: Depression	Local relief (concave, conv	/ex, none): Con	icave	Slope (%): 0 to 1		
Subregion (LRR or MLRA):	RR L	Lat: 43.048189	Long: -78.0	087726 <u></u> C	Datum: WGS84		
Soil Map Unit Name: Ovid silt l	oam, 3 to 8 percent slopes (OvB)			NWI classification:	None		
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, expl	lain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly d		al Circumstance	•	es No _ _/ _		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any ans	swers in Remarks.)			
SUMMARY OF FINDINGS – A	attach site map showing sampli	ing point locations, trai	nsects, impor	tant features, et	c.		
Hydrophytic Vegetation Present?	? Yes No						
Hydric Soil Present?	Yes No	Is the Sampled Area withi	in a Wetland?	Yes _,	No		
Wetland Hydrology Present?	Yes ∠ _ No	If yes, optional Wetland S	ite ID:	W-WS	H-03		
	ocedures here or in a separate repor			·			
	nd, all three wetland parameters are p		TO VOOR				
Covertype is PEM. Area is wellan	u, all three wetland parameters are p	oresent. Wetter than averag	ge year.				
HYDROLOGY							
IIIDKOLOGI							
Wetland Hydrology Indicators:					_		
Primary Indicators (minimum of	one is required; check all that apply)		-	icators (minimum of	f two required)		
∕ Surface Water (A1)	Water-Stained Le	aves (B9)		il Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)				
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)				
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2) Crayfish Burrows (C8)				
Sediment Deposits (B2)	<u></u> Oxidized Rhizosp	heres on Living Roots (C3)	-	urrows (C8) Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)		Stressed Plants (D1)			
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		ic Position (D2)	,		
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aquitard (D3)				
Inundation Visible on Aerial I				graphic Relief (D4)			
Sparsely Vegetated Concave :			FAC-Neutra				
Field Observations:							
Surface Water Present?	Yes 🗸 No Depth	i (inches):					
Water Table Present?	Yes No <u></u> ✓ Depth	(inches):	Wetland Hydro	ology Present?	Yes No		
Saturation Present?		(inches):	-				
(includes capillary fringe)	·		-				
	n gauge, monitoring well, aerial photo	s previous inspections) if	available.				
Describe Recorded Data (stream	r gauge, monitoring well, aeriai priote	s, previous inspections,, ir	available.				
Domonto.							
Remarks:							
The criterion for wetland hydrolo	ogy is met.						
İ							

·		<u> </u>		Damain an an Tank wante			
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test works			
	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC	•	1	(A)
1				Total Number of Domin			
2				Across All Strata:	iant species	1	(B)
3				Percent of Dominant S	nacias That		
4.				Are OBL, FACW, or FAC		100	(A/B)
5				Prevalence Index works			
6				Total % Cover		Multiply E	By:
7				OBL species	90	x 1 =	90
	0	= Total Cove	r	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)		_		_ · _		_	
1.				FAC species	0	x 3 =	0
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
4.				Column Totals	90	(A)	90 (B)
5.				Prevalence Ir	idex = B/A =	1	
-				Hydrophytic Vegetation	Indicators:		
6.				1- Rapid Test for F		egetation	
7				✓ 2 - Dominance Te		J	
	0	_= Total Cove	r	✓ 3 - Prevalence Ind			
Herb Stratum (Plot size:5 ft)				4 - Morphological		(Provide s	upporting
1. Ranunculus sceleratus	90	Yes	OBL	data in Remarks or on			apporting
2		<u></u>		Problematic Hydr	•		olain)
3.				¹Indicators of hydric so			
4.				present, unless disturb		-	y mast be
5.				Definitions of Vegetation		Hatic	_
6.				Tree – Woody plants 3		moro in d	iamotor at
7.				breast height (DBH), re			iameter at
8.				Sapling/shrub – Woody			DU and
				greater than or equal t			DIT allu
9.				Herb – All herbaceous			ardless of
10				size, and woody plants	-		ai uiess oi
11				Woody vines – All wood			08 ft in
12				height.	ay viries great	.CI (IIaII 3.2	20 11 111
	90	_= Total Cove	r				
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetatio	n Present? Y	res 🔽 No	o
1							
2.							
3.							
4.							
		= Total Cove	r				
	-		•				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						
Active agricultural field.							

Profile Des	cription: (Describe Matrix	to the d	lepth needed to o			indicato	r or confirm the a	bsence of indicate	ors.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks
0 - 12	10YR 3/2	100	Color (moist)		Турс	LOC	Silty Clar		Remarks
12 - 20	7.5YR 5/3	80	7.5YR 5/8	20			Gravell		
12 - 20	7.518 3/3	- 00	7.518 5/6	20		IVI	Graven	y Clay	
				- —					
				-					
							_		
1T C		D +:	DM Deduce				Const Construction		- Lining A. Makein
	Concentration, D =	Depleti	on, RM = Reduced	Matr	1X, MS =	Masked	Sand Grains. ² L		e Lining, M = Matrix.
Hydric Soil			Daharaha Da		6 (6	(O) (I DD	D MI DA 4 40D)	Indicators for P	roblematic Hydric Soils³:
Histoso	I (A1) oipedon (A2)		Polyvalue Be				R, MLRA 149B) 4 149B)		(A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						e Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	•		(2	-,		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma						e (S7) (LRR K, L)
_ ∠ Deplete	d Below Dark Surf	face (A11							elow Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	rk Sur	face (F7))			urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R)
Sandy N	/lucky Mineral (S1)	1	Redox Depre	ession	ıs (F8)				loodplain Soils (F19) (MLRA 149B)
Sandy C	Gleyed Matrix (S4)								ic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)							Red Parent	
Stripped	d Matrix (S6)								w Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, I	MLRA 14	9B)					Other (Expl	
3Indicators	of hydrophytic ve	getation	and wetland hvd	rology	/ must be	e preser	nt. unless disturbe	ed or problematic	
	Layer (if observed		<u>, , , , , , , , , , , , , , , , , , , </u>		,		,		·
	Type:		Gravels			Hvdric	Soil Present?		Yes/_ No
	Depth (inches):	-	20	-					
Remarks:	<u> Берен (н.е.тео).</u>								-
	ndication of hydric	soil wa	s observed.						

Hydrology Photos



Vegetation Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Excelsior	City/Coun	ty: Byron, Genesee County	Sampling Date: 2019-June-18				
Applicant/Owner: Excelsion	or	State: Nev	v York Sampling Point: W-WSH-03_UPL-1				
Investigator(s): Weston H	llegas, Isaac Pallant	Section, Township,	Range:				
Landform (hillslope, terrace,	etc.): Flat	Local relief (concave, conv	ex, none): Undulating Slope (%): 0 to 1				
Subregion (LRR or MLRA):	LRR L	Lat: 43.0481562	Long: -78.0876905 Datum: WGS84				
Soil Map Unit Name: Ovid	d silt loam, 3 to 8 percent slopes (O	vB)	NWI classification:				
Are climatic/hydrologic cond	litions on the site typical for this tir	ne of year? Yes No	(If no, explain in Remarks.)				
Are Vegetation, Soil _			al Circumstances" present? Yes No				
Are Vegetation, Soil _	, or Hydrology natura	lly problematic? (If needed,	explain any answers in Remarks.)				
Summary of Finding:	5 – Attach site map showing s	sampling point locations, trar	sects, important features, etc.				
Hydrophytic Vegetation Pre	sent? Yes No _ _	<u> </u>					
Hydric Soil Present?	Yes No _ _	į	n a Wetland? Yes No/_				
Wetland Hydrology Present		· ·					
			te ib.				
· •	e procedures here or in a separate	•	rage year upland call plat in dirt actively tilled				
agriculture field .	nand, not all three wetland parame	eters are present. Wetter than avei	rage year. upland soil plot in dirt actively tilled				
agriculture lielu .							
HYDROLOGY							
Mada ad Dada la a dada a							
Wetland Hydrology Indicato		a mark à					
•	m of one is required; check all that		Secondary Indicators (minimum of two required)				
Surface Water (A1)		ined Leaves (B9)	Surface Soil Cracks (B6) Drainage Patterns (B10)				
High Water Table (A2)	Aquatic Fa		Moss Trim Lines (B16)				
Saturation (A3)	Marl Depo	Sulfide Odor (C1)	Dry-Season Water Table (C2)				
Water Marks (B1) Sediment Deposits (B2)		Rhizospheres on Living Roots (C3)	0.1.0. (00)				
Sediment Deposits (D2)	Oxidized i	thizospheres on Living Roots (CS)	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 Irc	n Reduction in Tilled Soils (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck	Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on A	· · · · · · · · · · · · · · · · · · ·	olain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Con	cave Surface (B8)		FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present?	Yes No _ _⁄ _	Depth (inches):					
Water Table Present?	Yes No _ _ _	Depth (inches):	Wetland Hydrology Present? Yes No				
Saturation Present?	Yes No _ _ /_	Depth (inches):					
(includes capillary fringe)							
	ream gauge, monitoring well, aeria	al photos, previous inspections), if a	available:				
2000.1001.000.000 2010 (00		p. iotos, p. onousspections,, i. o					
Remarks:							
The criterion for wetland hy	ydrology is not met						
The chemon for wedand ny	drology is not met.						

Tree Christian (Blat sine) 20 ft	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(A)
1.				Are OBL, FACW, or FAC:		(A)
2.				Total Number of Dominant Species	0	(B)
3.				Across All Strata:		(D)
4.				Percent of Dominant Species That		(A/B)
5.				Are OBL, FACW, or FAC:		(// b)
6.				Prevalence Index worksheet:		
-				Total % Cover of:	Multiply	<u>Ву:</u>
7				— OBL species 0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_)			FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4	·			Prevalence Index = B/A =	-	0 (2)
5						
6				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	vegetation	
	0	= Total Cover		2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)				3 - Prevalence Index is ≤ 3.0¹		
1.				4 - Morphological Adaptations		supporting
2				— data in Remarks or on a separate sl		
2				— Problematic Hydrophytic Vege		-
4.				Indicators of hydric soil and wetlar		gy must be
5.	-			present, unless disturbed or proble	matic	
6.	-			Definitions of Vegetation Strata:		
7.				Tree – Woody plants 3 in. (7.6 cm) o		liameter at
				breast height (DBH), regardless of h		NDII amad
8	-			Sapling/shrub – Woody plants less to greater than or equal to 3.28 ft (1 m		ibh and
9				Herb – All herbaceous (non-woody)		rardlass of
10				size, and woody plants less than 3.2		gardiess of
11				Woody vines – All woody vines grea		20 ft in
12				height.	itei tilali 5.	20 11 111
	0	= Total Cover			.,	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes N	0
1	·					
2						
3.				_		
4						
	0	= Total Cover				
Remarks: (Include photo numbers here o	r on a conarate	s choot)				
Active agricultural field, dirt field no veget	-	e sneet.)				
Active agricultural field, dirt field flo veget	ation.					

inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 3/2	100		_			Silt Loam	
12 - 18	7.5YR 5/3	100		_			Clay	
				_				
·		 -		_				
				_				
		· —		_				
				_				
		· —		_				
·		 -		_				
	oncentration, D =	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked S	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
	ndicators:			_		a		Indicators for Problematic Hydric Soils ³ :
_ Histosol			Polyvalue Bel		-		•	2 cm Muck (A10) (LRR K, L, MLRA 149B)
_ Histic Ep _ Black His	ipedon (A2)		Thin Dark Sur Loamy Mucky					Coast Prairie Redox (A16) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed			(LIXIX IX, L)		5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mat					Dark Surface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11)						Polyvalue Below Surface (S8) (LRR K, L)
	rk Surface (A12)		Depleted Dar					Thin Dark Surface (S9) (LRR K, L)
	ucky Mineral (S1)		Redox Depres					Iron-Manganese Masses (F12) (LRR K, L, R)
	leyed Matrix (S4)		•					Piedmont Floodplain Soils (F19) (MLRA 149B)
	edox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Matrix (S6)							Red Parent Material (F21)
	face (S7) (LRR R, N	/II RA 149	9R)					Very Shallow Dark Surface (TF12)
_ Dark Sai	idee (57) (ERR II, II	ILIU (I T.	,,,					Other (Explain in Remarks)
	of hydrophytic veg		and wetland hydr	olog	y must be	e present I	, unless disturbe	d or problematic.
	ayer (if observed):		None			Lludric (ail Dracant?	Voc. No. (
	Type:		None			Hyaric	Soil Present?	Yes No⁄_
	Depth (inches):							
marks:								
positive	indication of hydri	ic soils w	as observed.					

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Samplin	ng Date: 2019-June-18			
Applicant/Owner: Excelsion		State: Nev	v York Sampling	Point: W-WSH-04_PEM-1			
Investigator(s): Weston Hillegas,	lsaac Pallant	Section, Township,	Range:				
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, conv	rex, none): Concave	Slope (%): 1 to 3			
Subregion (LRR or MLRA): LRR	! L	Lat: 43.046529	Long: -78.08955	Datum: WGS84			
Soil Map Unit Name: Ovid silt loa	am, 0 to 3 percent slopes (OvA)		NWI	classification: None			
Are climatic/hydrologic conditions of	• • • • • • • • • • • • • • • • • • • •		(If no, explain in	Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" pr				
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers	in Remarks.)			
SUMMARY OF FINDINGS – Att	ach site map showing sampli	ing point locations, trai	nsects, important	features, etc.			
Hydrophytic Vegetation Present?	Yes No						
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No			
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-WSH-04			
	edures here or in a separate report						
· ·	all three wetland parameters are p		Je Vear				
Covertype is FEW. Area is wettarid,	an timee wettand parameters are p	oresent. Wetter than averag	ge year.				
HYDROLOGY							
Г							
Wetland Hydrology Indicators:	an is required, shock all that apply		Cocondon Indicator	e (minimum of two required)			
	ne is required; check all that apply)		•	s (minimum of two required)			
✓ Surface Water (A1)	Water-Stained Le		Surface Soil Crac				
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10) Moss Trim Lines (B16)				
Saturation (A3) Water Marks (B1)	Marl Deposits (B1		Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Hydrogen Sulfide	heres on Living Roots (C3)	C (C D (CO)				
Sediment Deposits (B2)	Oxidized Kilizosp	rieres on Living Roots (CS)	•	e on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted or Stress	sed Plants (D1)			
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Pos				
Iron Deposits (B5)	Thin Muck Surfac	e (C7)	Shallow Aquitard (D3)				
<u> ✓</u> Inundation Visible on Aerial Ima	agery (B7) Other (Explain in	Remarks)	Microtopograph	ic Relief (D4)			
Sparsely Vegetated Concave Su	ırface (B8)		<u>✓</u> FAC-Neutral Test	(D5)			
Field Observations:							
Surface Water Present?	Yes No Depth	i (inches):	_				
Water Table Present?	Yes No <u>_</u> Depth	ı (inches):	Wetland Hydrology	Present? Yes No			
Saturation Present?	Yes No _ _/ Depth	(inches):					
(includes capillary fringe)							
	auge, monitoring well, aerial photo	ns previous inspections) if	available.				
Describe recorded bata (stream g	aage, morneomig wen, aenar prioto	s, previous inspections,, in	avanable.				
Down and co.							
Remarks:	v is mot						
The criterion for wetland hydrolog	y is met.						

Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksheet:			
	% Cover	Species?	Status	Number of Dominant Speci	es That	2	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Dominant	Species	2	(B)
3				Across All Strata:	Th		
4				Percent of Dominant Specie - Are OBL, FACW, or FAC:	es mat	100	(A/B)
5				Prevalence Index workshee	<u>.</u>		
6.						Multiply	D. a
7.				Total % Cover of:		Multiply	-
	0	= Total Cov	er		50	x 1 = _	50
Sapling/Shrub Stratum (Plot size:15 ft)		=		· -	50	x 2 =	100
1				· · · —	0	x 3 =	0
2.				·	0	x 4 =	0
				- UPL species	0	x 5 =	0
3.				- Column Totals 1	100	(A)	150 (B)
4				- Prevalence Index	= B/A =	1.5	_
5				Hydrophytic Vegetation Ind	icators:		
6				-		egetation	
7				2 - Dominance Test is		egetation	
	0	= Total Cov	er	✓ 3 - Prevalence Index is			
Herb Stratum (Plot size:5 ft)						(Duna viola	
1. Ranunculus sceleratus	50	Yes	OBL	4 - Morphological Ada - data in Remarks or on a sep			supporting
2. Epilobium ciliatum	50	Yes	FACW	·			la:\
3.				Problematic Hydrophy	_		
4.				Indicators of hydric soil and		,	gy must be
5.				present, unless disturbed o	•	IIauc	-
				_ Definitions of Vegetation St			
6				Tree - Woody plants 3 in. (7			diameter at
7				breast height (DBH), regard			
8				Sapling/shrub - Woody plar			OBH and
9				greater than or equal to 3.2			
10				Herb – All herbaceous (non-			gardless of
11				size, and woody plants less			
12				Woody vines – All woody vir	nes great	er than 3.	28 ft in
	100	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation Pre	esent? Y	es 🔽 N	lo
1.							
2.				-			
3.				-			
				-			
4		Tatal Car		-			
	0	_= Total Cov	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						
Active agricultural field.							

Profile Deso	cription: (Describe Matrix	to the d	lepth needed to d			ndicato	or confirm the al	bsence of indicato	ors.)
(inches)	Color (moist)	%	Color (moist)	% %	Type ¹	Loc ²	Text	ure	Remarks
0 - 11	10YR 3/2	100	Color (Inolst)		<u> </u>		Silty Clay		Kemarko
11 - 20	10YR 5/2	75	7.5YR 5/6	25			Cla		
			7.51.1070					· y .	
							•		
				-					
				_					
				- —					
1Typo: C = C	Concentration D =	Dopletic				Mackad	Cand Crains 21	osation, DL = Doro	Lining M = Matrix
	Concentration, D =	Depletio	on, Rivi = Reduced	ıwatı	IX, IVIS =	iviasked	Sand Grains. *Li		Lining, M = Matrix.
Hydric Soil			Dalanalus Da	.l		0) (I DD I	D MI DA 140D)		roblematic Hydric Soils³:
Histoso	i (A1) pipedon (A2)		Polyvalue Be				R, MLRA 149B) A 149R)		A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						e Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	-		(-,	•	Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface	e (S7) (LRR K, L) elow Surface (S8) (LRR K, L)
<u></u> ✓ Deplete	d Below Dark Surf	face (A11	I) Redox Dark	Surfac	e (F6)				urface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da						nese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)	1	Redox Depre	ession	ıs (F8)				oodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)								c (TA6) (MLRA 144A, 145, 149B)
-	Redox (S5)							Red Parent N	
	d Matrix (S6)								v Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, l	MLRA 14	9B)					Other (Expla	
3Indicators	of hydrophytic ve	getation	and wetland hyd	rology	/ must be	e preser	it, unless disturbe	d or problematic.	
Restrictive	Layer (if observed)):						·	
	Type:		None			Hydric	Soil Present?	,	Yes No
	Depth (inches):			-					
Remarks:									
	ndication of hydric	soil was	s observed.						
71 positive ii	idication of flyant	. Jon wa.	observed.						

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date: 2019-June-18			
Applicant/Owner: Excelsior		State: Ne	w York Sampling Po	oint: W-WSH-04_PFO-1		
Investigator(s): Weston Hillegas	, Isaac Pallant	Section, Township,	, Range:			
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, conv	/ex, none): Concave	Slope (%): 0 to 1		
Subregion (LRR or MLRA): LR	R L	Lat: 43.0456	Long: -78.09044	Datum: WGS84		
	silty clay loam, 0 to 3 percent slope			assification: None		
• •	on the site typical for this time of ye		o <u> </u>			
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" pres			
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – At	tach site map showing sampli	ng point locations, tra	nsects, important fe	eatures, etc.		
Hydrophytic Vegetation Present?	Yes No					
Hydric Soil Present?	Yes No	Is the Sampled Area with	in a Wetland?	Yes No		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-WSH-04		
Remarks: (Explain alternative pro-	cedures here or in a separate report	·)				
			to voor			
Covertype is PFO. Area is wetland	, all three wetland parameters are p	resent. Wetter than averag	ge year.			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of c	one is required; check all that apply)		•	minimum of two required)		
∕ Surface Water (A1)	<u></u> Water-Stained Le	aves (B9)	Surface Soil Cracks			
∕ High Water Table (A2)	Aquatic Fauna (B	13)	✓ Drainage Patterns (B10)			
∕ Saturation (A3)	Marl Deposits (B1	5)	✓ Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide	Odor (C1)	Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	Crayfish Burrows (
				on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Redu		Stunted or Stresse	, ,		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	<u>✓</u> Geomorphic Positi			
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aquitard (I			
Inundation Visible on Aerial In	· · · · · · · · · · · · · · · · · · ·	Remarks)	Microtopographic			
Sparsely Vegetated Concave S	ourface (B8)		FAC-Neutral Test ([)5)		
Field Observations:						
Surface Water Present?	·	(inches): 2	_			
Water Table Present?	Yes 🔽 No Depth	(inches): 6	Wetland Hydrology Pr	esent? Yes No		
Saturation Present?	Yes No Depth	(inches): 0				
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	s. previous inspections), if	available:			
Jese is a riceor and Julia (ou carri	84486,	o, p. cousopecu.oo,,				
Remarks:						
The criterion for wetland hydrolog	gy is met.					
1						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksh Number of Dominant S		2	(4)
1. Fraxinus pennsylvanica	60	Yes	FACW	Are OBL, FACW, or FAC:			(A)
2. Carya ovata	25	Yes	FACU	Total Number of Domin	ant Species	4	(B)
3. Carpinus caroliniana	20	No	FAC	Across All Strata:			
4. <i>Quercus alba</i>	<u> </u>	No	FACU	Percent of Dominant Sp	ecies That	50	(A/B)
5.				Are OBL, FACW, or FAC:	h = =4.		
5.				Prevalence Index works		Multiplu	D. a
<i>'</i> .				Total % Cover of OBL species	<u>51.</u> 5	Multiply x 1 =	ву. 5
	110	= Total Cov	er	FACW species	70	x 2 =	140
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		=		FAC species	55	x3=	165
l.				FACU species	90	x 4 =	360
2.				- UPL species	0	_	0
3.				- Column Totals		x 5 = _	
l.				<u> </u>	220	(A) _	670 (B)
i				Prevalence In		3	
5.				Hydrophytic Vegetation			
7.				1- Rapid Test for H		egetation/	
· -		= Total Cov	er	2 - Dominance Tes			
Herb Stratum (Plot size:5 ft)		-		_ ✓ 3 - Prevalence Inde			
Parthenocissus quinquefolia	60	Yes	FACU	4 - Morphological			supporting
2. Toxicodendron radicans	35	Yes	FAC	data in Remarks or on a			
B. Persicaria lapathifolia	10	No	FACW	Problematic Hydro			-
4. Carex crinita		No No	OBL	Indicators of hydric soi		,	gy must be
5.		110	OBL	present, unless disturbe		matic	
-				Definitions of Vegetatio			U +
7				Tree – Woody plants 3 in breast height (DBH), reg			nameter a
··				Sapling/shrub – Woody			NPU and
).				greater than or equal to			bii and
				Herb – All herbaceous (ardless of
10				size, and woody plants			gar aress or
11				Woody vines – All wood			28 ft in
2				height.	,		
	110	= Total Cov	er	Hydrophytic Vegetation	Present?	/es ./ N	0
Noody Vine Stratum (Plot size: 30 ft)				Trydrophlytic vegetation	i i i cociici	.cs_ <u>v</u>	<u> </u>
·				-			
2.				-			
3				-			
4				.			
	0	= Total Cov	er				

Profile Des	cription: (Describe Matrix	to the d	epth needed to d Redox			indicato	r or confirm the al	bsence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	2.5Y 2.5/1	98	7.5YR 4/4	- 70	Турс		Silt Loam	
12 - 20	10YR 5/6	100	7.511(4/4	_			Clay	
12 20	1011(3/0	100		_			Clay	
				_			•	
				_				
				-				
				-				
				_				
				_				
				_				· · · · · · · · · · · · · · · · · · ·
				-			•	
-				-		-		
	Concentration, D =	Depletio	n, KIVI = Reduced	Mati	rıx, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil			Data 1 D		6- 15	.0) (1.55	D 141 D4 4 400'	Indicators for Problematic Hydric Soils ³ :
Histoso					•		R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2) stic (A3)		Thin Dark Su Loamy Muck					Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	•		(LKK K,	-)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface (S7) (LRR K, L)
	d Below Dark Surf	ace (A11						Polyvalue Below Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dar	k Su	rface (F7))		Thin Dark Surface (S9) (LRR K, L)
Sandy N	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)			Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy C	Gleyed Matrix (S4)							Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy F	tedox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)
Stripped	d Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	MLRA 14	9B)					Other (Explain in Remarks)
3Indicators	of hydrophytic veg	etation	and wetland hydr	വര	v must h	a nracar	nt unlace dicturha	•
	Layer (if observed)		and Wedana nyan	0108.	y must b	l preser	it, arriess distarbe	a or problematic.
	Type:	•	None			Hydric	Soil Present?	Yes No
	Depth (inches):		None			liyanc	John Tederic	163 <u>v</u> 140 <u> </u>
Remarks:	Deptil (iliciles).					l .		_
Remarks.								
A positive i	ndication of hydric	soil was	observed.					

Hydrology Photos



Vegetation Photos





Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date: 2019-June-18			
Applicant/Owner: Excelsion		State: New	v York	Sampling Point: W-WS	H-04_UPL-1	
Investigator(s): Weston Hillegas,	Isaac Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Flat	Local relief (concave, conv	ex, none):_	Convex	Slope (%): 1 to 3	
Subregion (LRR or MLRA): LRF	RL	Lat: 43.0466316	Long:_	-78.0895781	Datum: WGS84	
Soil Map Unit Name: Ovid silt lo	am, 0 to 3 percent slopes (OvA)			NWI classification	: None	
• •	on the site typical for this time of ye			explain in Remarks.)		
Are Vegetation <u></u> ✓, Soil <u>✓</u> ,	or Hydrology significantly di				′es No _ _ /_	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any	y answers in Remarks.)		
SUMMARY OF FINDINGS – Att	tach site map showing sampli	ng point locations, trar	nsects, im	portant features, e	tc.	
Hydrophytic Vegetation Present?	Yes No _ _/ _					
Hydric Soil Present?	Yes No _ _/ _	Is the Sampled Area within	n a Wetland	d? Yes	No⁄_	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:			
	cedures here or in a separate report					
· ·	·		rago voar a	setivo tillod agriculturo	field	
Covertype is UPL. Area is upland, i	not all three wetland parameters ar	e present. Wetter than aver	rage year. a	ictive tilled agriculture	field.	
HYDROLOGY						
Wastan dillada la sala dia sala sa						
Wetland Hydrology Indicators:	no is required, shock all that apply		Cocondon	, Indicators (minimum	of two roquirod)	
	ne is required; check all that apply)		•	Indicators (minimum o	or two required)	
Surface Water (A1)	Water-Stained Le			e Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10) Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B1		Moss Hill Ellies (BT0) Dry-Season Water Table (C2)			
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide	heres on Living Roots (C3)	C C L D (CO)			
Sediment Deposits (B2)	Oxidized Kriizosp	neres on Living Roots (CS)	-	tion Visible on Aerial Im	nagery (C9)	
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)		d or Stressed Plants (D		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomo	orphic Position (D2)	•	
Iron Deposits (B5)	Thin Muck Surfac	e (C7)	Shallov	w Aquitard (D3)		
Inundation Visible on Aerial Im	nagery (B7) Other (Explain in	Remarks)	Microto	opographic Relief (D4)		
Sparsely Vegetated Concave Su	urface (B8)		FAC-Ne	eutral Test (D5)		
Field Observations:						
Surface Water Present?	Yes No 🟒 Depth	(inches):				
Water Table Present?	Yes No <u>_</u> Depth	(inches):	Wetland H	lydrology Present?	Yes No ∠	
Saturation Present?	Yes No _ _/ Depth	(inches):	-			
(includes capillary fringe)			-			
	gauge, monitoring well, aerial photo	s provious inspections) if s	available:			
Describe Recorded Data (stream g	gauge, monitoring well, aeriai prioto	s, previous irispections), ii a	avallable.			
Remarks:						
The criterion for wetland hydrolog	gy is not met.					

T (Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	. 0	(A)
1.				Are OBL, FACW, or FAC:		(A)
2.				Total Number of Dominant Species	5 0	(B)
3.				Across All Strata:		
4.				Percent of Dominant Species That		(A/B)
5.				Are OBL, FACW, or FAC:		`
6				Prevalence Index worksheet:		
7.				Total % Cover of:	<u>Multiply </u>	-
· · ·	0	= Total Cover		OBL species 0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft_		- Total Cover		FACW species 0	x 2 =	0
4				FAC species 0	x 3 =	0
2.				FACU species 0	x 4 =	0
				UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =		
•				Hydrophytic Vegetation Indicators:		,
6				1- Rapid Test for Hydrophytic		
7				2 - Dominance Test is > 50%		
	0	= Total Cover		3 - Prevalence Index is ≤ 3.0¹		
Herb Stratum (Plot size:5 ft)				4 - Morphological Adaptation	s1 (Provide	sunnorting
1				data in Remarks or on a separate s		supporting
2				Problematic Hydrophytic Veg		plain)
3				Indicators of hydric soil and wetla		•
4.				_ present, unless disturbed or proble		5)
5.				Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm)	or more in c	liameter at
7.				breast height (DBH), regardless of		ararriece. ac
8.				Sapling/shrub – Woody plants less		BH and
9.				greater than or equal to 3.28 ft (1 r		
10.				Herb – All herbaceous (non-woody		ardless of
11.				size, and woody plants less than 3.		,
-				- Woody vines - All woody vines gre		28 ft in
12				height.		
	0	= Total Cover		Hydrophytic Vegetation Present?	Ves N	lo /
Woody Vine Stratum (Plot size: 30 ft)				Trydrophydd Vegetadol i Tesent.	103 1	_ _
1				_		
2				_		
3				_		
4				_		
	0	= Total Cover				
Remarks: (Include photo numbers here of Active agricultural field.	r on a separat	e sheet.)				

Profile Des Depth	cription: (Describe Matrix	to the c	lepth needed to o Redox			indicato	r or confirm the a	bsence of in	dicators.)
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	e	Remarks
0 - 14	10YR 3/2	100			5 -5		Clay Loa		-
14 - 20	10YR 4/1	50	7.5YR 5/8	50		M	Clay Loa		
20 -				_					
¹Type: C = 0	Concentration, D =	Depleti	on, RM = Reduced	d Mat	rix, MS =	Masked	Sand Grains. ² L	ocation: PL =	Pore Lining, M = Matrix.
Hydric Soil	Indicators:			_				Indicators	for Problematic Hydric Soils³:
Histoso			•				R, MLRA 149B)	2 cm N	luck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su					Coast F	Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muck			(LRR K,	L)	5 cm N	lucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) ed Layers (A5)		Loamy Gleye Depleted Ma						urface (S7) (LRR K, L)
	ed Below Dark Surf	face (A1						-	ue Below Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted Da)			ark Surface (S9) (LRR K, L)
Sandy N	Mucky Mineral (S1))	Redox Depre	essior	ıs (F8)				anganese Masses (F12) (LRR K, L, R)
Sandy (Gleyed Matrix (S4)								ont Floodplain Soils (F19) (MLRA 149B) Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								rent Material (F21)
Strippe	d Matrix (S6)								nallow Dark Surface (TF12)
Dark Su	urface (S7) (LRR R, I	MLRA 14	19B)					-	Explain in Remarks)
3Indicators	of hydrophytic ve	getation	and wetland hvd	rolog	v must h	e nreser	nt unless disturbe	ed or probler	natic
	Layer (if observed)	_	and Welland nya	10106	y mase b	Preser	it, amess astarbe	ed of problet	nacic.
	Type:	,-	None			Hvdric	Soil Present?		Yes No/_
	Depth (inches):					•			
Remarks:						ı			•
No positive	indication of hydi	ric soils v	was observed.						
Ī									
1									
Ì									

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date: 2		019-June-18		
Applicant/Owner: Excelsion		State: New	York S	Sampling Point: W-W	SH-04_UPL-2		
Investigator(s): Weston Hillega	s, Isaac Pallant	Section, Township, I	Range:				
Landform (hillslope, terrace, etc.)	: Flat	Local relief (concave, conve	ex, none):_	Convex	Slope (%): 1 to 3		
Subregion (LRR or MLRA):	RR L	Lat: 43.0458769	Long:_	-78.0907444	Datum: WGS84		
Soil Map Unit Name: Ovid silt l	loam, 0 to 3 percent slopes (OvA)			NWI classification	n: None		
Are climatic/hydrologic condition	s on the site typical for this time of ye	ear? Yes No	_ ✓ (If no,	explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di				Yes No _ _⁄ _		
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? (If needed, e	explain any	answers in Remarks.)		
SUMMARY OF FINDINGS – A	attach site map showing sampli	ing point locations, tran	sects, im	portant features, e	etc.		
Hydrophytic Vegetation Present?	? Yes No _ _/ _						
Hydric Soil Present?	Yes No _ _/ _	Is the Sampled Area withir	n a Wetland	d? Yes	No / _		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Site ID:					
	*			<u> </u>			
• •	ocedures here or in a separate report						
Covertype is UPL. Area is upland	l, not all three wetland parameters ar	re present. Wetter than aver	age year.				
HYDROLOGY							
Wetland Hydrology Indicators:							
	one is required; check all that apply)		Secondary	Indicators (minimum	of two required)		
Surface Water (A1)	Water-Stained Le		•	e Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B			ge Patterns (B10)			
Saturation (A3)			Moss Trim Lines (B16)				
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)				
Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	6 C L D (60)				
_ , , ,		3	Saturat	tion Visible on Aerial Ir	magery (C9)		
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted	d or Stressed Plants (E	01)		
Algal Mat or Crust (B4)	Recent Iron Redu	iction in Tilled Soils (C6)		orphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surfac			v Aquitard (D3)			
Inundation Visible on Aerial I	magery (B7) Other (Explain in	Remarks)	Microto	opographic Relief (D4)			
Sparsely Vegetated Concave	Surface (B8)		FAC-Ne	eutral Test (D5)			
Field Observations:							
Surface Water Present?	Yes No 🟒 Depth	(inches):					
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland H	lydrology Present?	Yes No _		
Saturation Present?	Yes No _ _/ Depth	(inches):					
(includes capillary fringe)							
	n gauge, monitoring well, aerial photo	os previous inspections) if a	vailable:				
20020	Backet, mermeering trem, action priore	, o, p. cousspeculos,, u					
Remarks:							
The criterion for wetland hydrological	ogy is not met.						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
Tree Structure (1 for Size	Cover	Species?	Status	Number of Dominant Species Tha	at o	(A)
1				Are OBL, FACW, or FAC:		
2.				Total Number of Dominant Specie	es 0	(B)
3.				Across All Strata:		
4.				Percent of Dominant Species Tha	:	(A/B)
5.				Are OBL, FACW, or FAC:		
6.				Prevalence Index worksheet:		
7.				Total % Cover of:	Multiply I	<u>Ву:</u>
/·	0	= Total Cover		— OBL species 0	x 1 =	0
Carolina (Charola Charles (Diahaina) 45 ft		- Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_)			FAC species 0	x 3 =	0
1				— FACU species 0	x 4 =	0
2				— UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A	- '' -	` , ,
5						<u> </u>
6				Hydrophytic Vegetation Indicator1- Rapid Test for Hydrophyti		
7				2 - Dominance Test is > 50%		
	0	= Total Cover		$3 - Prevalence Index is \le 3.0$		
Herb Stratum (Plot size: <u>5 ft</u>)						
1				4 - Morphological Adaptatio — data in Remarks or on a separate		supporting
2.				— data in Remarks of on a separate — Problematic Hydrophytic Ve		nlain)
3.					-	
4.				 Indicators of hydric soil and wetl present, unless disturbed or prob 		gy must be
5.				·	lematic	
6.				Definitions of Vegetation Strata:	or more in a	diameter at
7.				Tree – Woody plants 3 in. (7.6 cm) breast height (DBH), regardless o		nameter at
				Sapling/shrub – Woody plants les		NPU and
8				greater than or equal to 3.28 ft (1		obi i aliu
9.				Herb – All herbaceous (non-wood		ardless of
10				size, and woody plants less than 3		gar diess of
11				Woody vines – All woody vines gr		28 ft in
12				height.	.acci cilaii 5.	2010111
	0	= Total Cover			\/ \	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes IN	10
1				_		
2	-					
3						
4.						
	0	= Total Cover				
Remarks: (Include photo numbers here o	r on a conarate	s choot)				
Active agricultural field.	i on a separati	e sileet.)				
Active agricultural field.						

0 - 12	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 12	7.5YR 4/4	100					Silt Loan	1
12 - 20	10YR 6/4	100					Clay Loar	m
				_				
		· — ·		_				
		· — ·		_				
				_				
				_				
				_				
		· — ·		_				
				_				
ype: C = C	oncentration, D =	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked S	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
dric Soil I	ndicators:							Indicators for Problematic Hydric Soils ³ :
_ Histosol			Polyvalue Bel		-		•	2 cm Muck (A10) (LRR K, L, MLRA 149B)
_ Histic Ep _ Black Hi:	oipedon (A2)		Thin Dark Sur Loamy Mucky				·='	Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed			(LKK K, L)		5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mat					Dark Surface (S7) (LRR K, L)
	d Below Dark Surfa		'	-	•			Polyvalue Below Surface (S8) (LRR K, L)
_ Thick Da	irk Surface (A12)		Depleted Dar	k Sui	face (F7)			Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)
_Sandy M	lucky Mineral (S1)		Redox Depres	sior	s (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
_ Sandy G	leyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_ Sandy R	edox (S5)							Red Parent Material (F21)
_ Stripped	l Matrix (S6)							Very Shallow Dark Surface (TF12)
_ Dark Su	rface (S7) (LRR R, N	ILRA 149	9B)					Other (Explain in Remarks)
ndicators (of hydrophytic veg	etation a	and wetland hydr	olog	y must be	e present	, unless disturbe	d or problematic.
estrictive L	ayer (if observed):							
	Type:		None			Hydric S	oil Present?	Yes No
	Depth (inches):							
marks:								
	indication of hydri	c soils w	as observed. Soil	sign	ificantly o	disturbed	as a result of till	ing.
positive								
positive								
positive								
positive								
positive								
positive								
positive								
positive								
positive								
positive								
o positive								
o positive								
o positive								
o positive								
o positive								
positive								

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County:_ E	Byron, Genesee County	Sampling Date	e: 2019-June-18
Applicant/Owner: Excelsior		State: New Yo	ork Sampling Point:	W-WSH-05_PEM-1
Investigator(s): Weston Hilleg	as, Isaac Pallant	Section, Township, Ra	nge:	
Landform (hillslope, terrace, etc.	.): Depression	Local relief (concave, convex,	none): Concave	Slope (%): 1 to 10
Subregion (LRR or MLRA):	LRR L	Lat: 43.0436022	Long: -78.0926842	Datum: WGS84
Soil Map Unit Name: Ovid silt	loam, 3 to 8 percent slopes (OvB)		NWI classi	fication: None
Are climatic/hydrologic condition	ns on the site typical for this time of	f year? Yes No _ _	(If no, explain in Rema	arks.)
Are Vegetation, Soil,	or Hydrology significantly	disturbed? Are "Normal C	ircumstances" present?	Yes No _✓
Are Vegetation, Soil,	or Hydrology naturally pr	oblematic? (If needed, exp	olain any answers in Rer	marks.)
			_	
SUMMARY OF FINDINGS –	Attach site map showing sam	pling point locations, transe	cts, important featu	ıres, etc.
Hydrophytic Vegetation Presen	t? Yes No			
Hydric Soil Present?	Yes No	Is the Sampled Area within a	Wetland?	Yes/_ No
Wetland Hydrology Present?	Yes _ ∠ _ No	If yes, optional Wetland Site	D:	W-WSH-05
Remarks: (Explain alternative p	rocedures here or in a separate rep	ort)		
	·			
Covertype is PEM. Area is wetla	nd, all three wetland parameters ar	e present. Wetter than average y	ear.	
HADBOLOCA				
HYDROLOGY				
Wetland Hydrology Indicators:				
	f one is required; check all that app	lv) So	condary Indicators (min	imum of two required)
Frimary indicators (minimum o				•
⁄ Surface Water (A1)	Water-Stained	Leaves (D5)	Surface Soil Cracks (B6	•
High Water Table (A2)	Aquatic Fauna		Drainage Patterns (B10	J)
✓ Saturation (A3)	Marl Deposits	(613)	_ Moss Trim Lines (B16) _ Dry-Season Water Tabl	lo (C2)
Water Marks (B1)	Hydrogen Sulfi	de Odor (C1) —		ie (C2)
Sediment Deposits (B2)	Oxidized Rhizo	spheres on Living Roots (C3) —	Saturation Visible on A	erial Imagen/(C9)
Drift Danasits (D2)	Dracance of Dr			
Drift Deposits (B3)		educed Iron (C4)	Stunted or Stressed Planting (
Algal Mat or Crust (B4)	Recent from Re Thin Muck Suri		Geomorphic Position (DZ)
Iron Deposits (B5)		• •	Shallow Aquitard (D3)	-f (D 4)
Inundation Visible on Aerial	· · · · · · · · · · · · · · · · · · ·		Microtopographic Relie	ef (D4)
Sparsely Vegetated Concave	Surface (B8)	_	FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present?	·	oth (inches):		
Water Table Present?	·		etland Hydrology Preser	nt? Yes No
Saturation Present?	Yes _ / _ No Dep	oth (inches): 12		
(includes capillary fringe)				
(
	n gauge, monitoring well, aerial pho	otos, previous inspections), if ava	ilable:	·
. , , , , , , , , , , , , , , , , , , ,	m gauge, monitoring well, aerial pho	otos, previous inspections), if ava	ilable:	
. , , , , , , , , , , , , , , , , , , ,	m gauge, monitoring well, aerial pho	otos, previous inspections), if ava	ilable:	
. , , , , , , , , , , , , , , , , , , ,	ກ gauge, monitoring well, aerial pho	otos, previous inspections), if ava	ilable:	
. , , , , , , , , , , , , , , , , , , ,	ກ gauge, monitoring well, aerial pho	otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	
Describe Recorded Data (stream		otos, previous inspections), if ava	ilable:	

'				T			
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test workshee			
`	% Cover	Species?	Status	Number of Dominant Spe	cies That	2	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Dominar Across All Strata:	nt Species	2	(B)
3					-: Th -+		
4				Percent of Dominant Spec - Are OBL, FACW, or FAC:	cies mai	100	(A/B)
5				Prevalence Index workshe	2011		
6.						N. A I Ation Is	D
7.				Total % Cover of:		Multiply	-
	0	= Total Cov	er	OBL species	30	x 1 = _	30
Sapling/Shrub Stratum (Plot size:15 ft)		=		FACW species	0	x 2 =	0
1				FAC species	80	x 3 =	240
2.				FACU species	0	x 4 =	0
				- UPL species	0	x 5 =	0
3.				- Column Totals	110	(A)	270 (B)
4				Prevalence Inde	ex = B/A =	2.5	_
5				Hydrophytic Vegetation Ir	ndicators:		
6				1- Rapid Test for Hyd		/egetation	
7				2 - Dominance Test i		egetation	
	0	= Total Cov	er	✓ 3 - Prevalence Index			
Herb Stratum (Plot size:5 ft)						المام المام المام	
1. Equisetum arvense	80	Yes	FAC	4 - Morphological Acddata in Remarks or on a s			supporting
Typha angustifolia	30	Yes	OBL				enlain)
3.				Problematic Hydrop			
4.				Indicators of hydric soil a		,	gy must be
5.				present, unless disturbed	•	Hatic	-
				Definitions of Vegetation			
6				Tree - Woody plants 3 in.			diameter at
7				breast height (DBH), regar			
8				Sapling/shrub - Woody pl			OBH and
9				greater than or equal to 3			
10				Herb – All herbaceous (no	-		gardless of
11				size, and woody plants les			
12.				Woody vines – All woody	vines great	er than 3.	28 ft in
	110	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation F	Present? \	∕es <u> </u>	lo
1.							
2.				-			
3.		-		-			
				=			
4		T-t-LC-		-			
	0	_= Total Cov	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						
Active agricultural field.							

Color (moist) Mode Type Loc2 Texture Remain	•	n: (Describe to the depth neede Matrix	to document the indicator o edox Features	r confirm the absence of	indicators.)
0 - 12 7.5YR 5/4 20				Texture	Remarks
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ²Location: PL = Pore Lining, M = Matri Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (S7) (LRR R, MLRA 149B) Depleted Below Dark Surface (S7) (LRR K, L) Depleted Below Dark Surface (S7) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Dark Surface (F6) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) Thin Dar	10YR 3/2	0YR 3/2 80		Clay Loam	
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matri Hydric Soil Indicators: Histosol (A1)	7.5YR 5/4	5YR 5/4 20		Clay Loam	
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histosol (A3) Hydrogen Sulfide (A4) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Mucky Mineral (B1) Sandy Redox (B5) Straipped Matrix (B3) Sandy Redox (B5) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Stripped Matrix (B8) Stripped Matrix (B8) Depleted Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B8) Stripped Matrix (B8) Dark Surface (B7) Stripped Matrix (B8) Stripped Matrix (B8) Dark Surface (B7) Hydric Soil Present? Yes/_ No Remarks:	7.5YR 4/6	5YR 4/6 100		Clay	
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Hydrogen Sulfide (A4) Depleted Matrix (F3) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B8) Stripped Matrix (B8) Depleted Balow Depressions (B8) Hydric Soil Present? Wes/_ No Hydric Soil Present? Yes/_ No Remarks:					
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Hydrogen Sulfide (A4) Depleted Matrix (F3) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B8) Stripped Matrix (B8) Depleted Balow Depressions (B8) Hydric Soil Present? Wes/_ No Hydric Soil Present? Yes/_ No Remarks:					
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic Epipedon (A3) Hydrogen Sulfide (A4) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Bandy Redox (B5) Stripped Matrix (B3) Stripped Matrix (B3) Depleted Matrix (B3) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Hydric Soil Present? Yes/_ No Hydric Soil Present?					
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Hydrogen Sulfide (A4) Depleted Matrix (F3) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B8) Stripped Matrix (B8) Depleted Balow Depressions (B8) Hydric Soil Present? Wes/_ No Hydric Soil Present? Yes/_ No Remarks:					
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Coast Prairie Redox (A16) (LRF Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat o					
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic Epipedon (A3) Hydrogen Sulfide (A4) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Bandy Redox (B5) Stripped Matrix (B3) Stripped Matrix (B3) Depleted Matrix (B3) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Hydric Soil Present? Yes/_ No Hydric Soil Present?					
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Coast Prairie Redox (A16) (LRF Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat o					
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histic Epipedon (A2) Histic Epipedon (A2) Histic Epipedon (A3) Hydrogen Sulfide (A4) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (B1) Sandy Gleyed Matrix (B3) Sandy Redox (B5) Stripped Matrix (B3) Bandy Redox (B5) Stripped Matrix (B3) Stripped Matrix (B3) Depleted Matrix (B3) Stripped Matrix (B4) Sandy Redox (B5) Stripped Matrix (B6) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Stripped Matrix (B7) Dark Surface (B7) Stripped Matrix (B7) Dark Surface (B7) Hydric Soil Present? Yes/_ No Hydric Soil Present?					
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, ML Coast Prairie Redox (A16) (LRF Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 5 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) Dark Surface (S7) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat or Peat (S3) (LRR K, L) 7 cm Mucky Peat o					
Histosol (A1) — Polyvalue Below Surface (S8) (LRR R, MLRA 149B) — 2 cm Muck (A10) (LRR K, L, ML Histic Epipedon (A2) — Thin Dark Surface (S9) (LRR R, MLRA 149B) — Coast Prairie Redox (A16) (LRR Black Histic (A3) — Loamy Mucky Mineral (F1) (LRR K, L) — 5 cm Mucky Peat or Peat (S3) — Hydrogen Sulfide (A4) — Loamy Gleyed Matrix (F2) — Dark Surface (S7) (LRR K, L) — Dark Surface (S7) (LRR K, L) — Dark Surface (S7) (LRR K, L) — Polyvalue Below Surface (S8) (Matrix (F3) — Polyvalue Below Surface (S9) (LRR K, L) — Polyvalue Below Surfa	= Concentration,	tration, D = Depletion, RM = Red	uced Matrix, MS = Masked Sa	and Grains. ² Location: Pl	L = Pore Lining, M = Matrix.
Histosol (A1) — Polyvalue Below Surface (S8) (LRR R, MLRA 149B) — 2 cm Muck (A10) (LRR K, L, ML Histic Epipedon (A2) — Thin Dark Surface (S9) (LRR R, MLRA 149B) — Coast Prairie Redox (A16) (LRR Black Histic (A3) — Loamy Mucky Mineral (F1) (LRR K, L) — 5 cm Mucky Peat or Peat (S3) — Hydrogen Sulfide (A4) — Loamy Gleyed Matrix (F2) — Dark Surface (S7) (LRR K, L) — Dark Surface (S7) (LRR K, L) — Dark Surface (S7) (LRR K, L) — Polyvalue Below Surface (S8) (Matrix (F3) — Polyvalue Below Surface (S9) (LRR K, L) — Polyvalue Below Surfa					-
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) 4 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F12) Mesic Spodic (TA6) (MLRA 1444 Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.** **Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes No Depth (inches):			e Below Surface (S8) (LRR R,	MI DA 140D)	•
Black Histic (A3)	c Epipedon (A2)	n (A2) Thin Da	k Surface (S9) (LRR R, MLRA 1	AOD)	
Hydrogen Sulfide (A4)		•	•		Mucky Peat or Peat (S3) (LRR K, L, R)
Depleted Below Dark Surface (A11) ✓ Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Block Surface (S8) (Thin Dark Surface (S9) (LRR K, Iron-Manganese Masses (F12) Piedmont Floodplain Soils (F12) Mesic Spodic (TA6) (MLRA 144, Red Parent Material (F21) Very Shallow Dark Surface (TF Other (Explain in Remarks) Block Surface (S7) (LRR R, MLRA 149B) Block Surface (S7) (LRR R, MLRA 149B) Block Surface (TF Other (Explain in Remarks) Block Su	_	•			
Thick Dark Surface (A12)	, , ,			Poly\	value Below Surface (S8) (LRR K, L)
Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F12) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144 Red Parent Material (F21) Very Shallow Dark Surface (TF Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes✓ No Remarks: No Remarks: No No No No		· ·		Thin	Dark Surface (S9) (LRR K, L)
Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144, Red Parent Material (F21) Very Shallow Dark Surface (TF Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Restrictive Layer (if observed): Type: None Pledmont Floodplain Soils (F1) Mesic Spodic (TA6) (MLRA 144, Red Parent Material (F21) Very Shallow Dark Surface (TF Other (Explain in Remarks) Other (Explain in Remarks) Pledmont Floodplain Soils (F1)	•	1			Manganese Masses (F12) (LRR K, L, R)
— Sandy Redox (S5) — Mesic Spodic (TA6) (MLRA 144. — Red Parent Material (F21) — Very Shallow Dark Surface (TF — Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes ✓ No — Depth (inches):					mont Floodplain Soils (F19) (MLRA 149B)
Stripped Matrix (S6) Very Shallow Dark Surface (TF Other (Explain in Remarks) Shallow Dark Surface (TF					•
Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes✓_ No Depth (inches): Remarks:	-				
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): None Depth (inches): Remarks:	•			-	
Restrictive Layer (if observed): Type: Depth (inches): Remarks: None Hydric Soil Present? Yes No No					•
Type: None Hydric Soil Present? Yes/_ No Depth (inches): Remarks:		· • • • • • • • • • • • • • • • • • • •	hydrology must be present,	unless disturbed or probl	ematic.
Depth (inches): Remarks:	=		Hudric Sc	nil Procent?	Vos. / No
Remarks:			Injulie 30	on Fresent:	res NO
	<u>-</u>	(inches).			_
		sturbed from agricultural activi	es, but not considered to be	a significant disturbance.	
			,		

Hydrology Photos



Vegetation Photos





Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date: 2019-June-18			
Applicant/Owner: Excelsior		State: Nev	v York Samp	Sampling Point: W-WSH-05_UPL-1		
Investigator(s): Weston Hillegas, I	lsaac Pallant	Section, Township, Range:				
Landform (hillslope, terrace, etc.):	Hillslope	Local relief (concave, conv	ex, none): Conv	/ex	Slope (%): 1 to 10	
Subregion (LRR or MLRA): LRR	(L	Lat: 43.0435879	Long: -78.0	1926779	Datum: WGS84	
Soil Map Unit Name: Ovid silt loa	am, 3 to 8 percent slopes (OvB)			NWI classification:	None	
Are climatic/hydrologic conditions of	on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, expla	ain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norma	al Circumstances	s" present? Ye	es No _ _/ _	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any ans	wers in Remarks.)		
SUMMARY OF FINDINGS – Atta	ach site map showing sampli	ng point locations, trar	nsects, import	tant features, et	c.	
Hydrophytic Vegetation Present?	Yes No _ ✓_					
Hydric Soil Present?	Yes No _ ✓	Is the Sampled Area within	n a Wetland?	Yes _	No	
Wetland Hydrology Present?	Yes No _ _ ✓	If yes, optional Wetland Si				
	*		te ib.			
Remarks: (Explain alternative proce	·					
Covertype is UPL. Area is upland, n	ot all three wetland parameters ar	e present. Wetter than aver	age year.			
10/2201001						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of on	ne is required; check all that apply)		Secondary India	cators (minimum o	f two required)	
Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil	Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim L	Trim Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide		Dry-Season			
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	3) Crayfish Burrows (C8)			
			Saturation \	isible on Aerial Im	agery (C9)	
Drift Deposits (B3)	Presence of Redu			Stressed Plants (D1)	
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		c Position (D2)		
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aqu			
Inundation Visible on Aerial Ima	· · · · · · · · · · · · · · · · · · ·	Remarks)		raphic Relief (D4)		
Sparsely Vegetated Concave Su	rface (B8)		FAC-Neutral	l Test (D5)		
Field Observations:						
Surface Water Present?	·	(inches):				
Water Table Present?	Yes No Depth	(inches):	Wetland Hydro	logy Present?	Yes No	
Saturation Present?	Yes No / Depth	(inches):				
(includes capillary fringe)						
Describe Recorded Data (stream ga	auge, monitoring well, aerial photo	s, previous inspections), if a	available:			
Remarks:						
The criterion for wetland hydrology	v is not met					
e criterion for wedand hydrology	y is not met.					

T 6: / (PL / : 20.5:)	Absolute %	Dominant	Indicator	Dominance Test worksheet:				
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(A)		
1.				Are OBL, FACW, or FAC:		(A)		
2.				Total Number of Dominant Species	0	(B)		
3.				Across All Strata:				
4.				Percent of Dominant Species That		(A/B)		
5.				Are OBL, FACW, or FAC:		`		
6				Prevalence Index worksheet:				
7.				Total % Cover of:	Multiply	-		
· · · · · · · · · · · · · · · · · · ·		= Total Cover		OBL species 0	x 1 = _	0		
Sapling/Shrub Stratum (Plot size:15 ft		·		FACW species 0	x 2 =	0		
4				FAC species 0	x 3 =	0		
· -				FACU species 0	x 4 =	0		
·				UPL species 0	x 5 =	0		
3.				— Column Totals 0	(A)	0 (B)		
4.				Prevalence Index = B/A =				
5				Hydrophytic Vegetation Indicators:				
6				1- Rapid Test for Hydrophytic	Vegetation			
7				2 - Dominance Test is > 50%				
	0	= Total Cover		3 - Prevalence Index is ≤ 3.0¹				
Herb Stratum (Plot size:5 ft)				4 - Morphological Adaptations	1 (Provide	sunnorting		
1				 data in Remarks or on a separate s 		supporting		
2				Problematic Hydrophytic Vege		plain)		
3				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Definitions of Vegetation Strata:				
4.								
5.								
6.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter				
7.				breast height (DBH), regardless of h		ararriece, ac		
8.	- 			Sapling/shrub – Woody plants less		BH and		
9.				greater than or equal to 3.28 ft (1 n				
10.				Herb – All herbaceous (non-woody)		ardless of		
11.	- 			size, and woody plants less than 3.2		,		
-				- Woody vines – All woody vines grea		28 ft in		
12				height.				
	0	= Total Cover		Hydrophytic Vegetation Present?	Ves N	lo /		
Woody Vine Stratum (Plot size: 30 ft)			Trydrophydic vegetation i resent.	1031	_ 		
1				_				
2				_				
3				_				
4				_				
	0	= Total Cover						
Remarks: (Include photo numbers here of Active agricultural field.	or on a separat	e sheet.)						

Profile Des	cription: (Describe Matrix	to the de	epth needed to de			indicato	or confirm the al	bsence of indicator	rs.)
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks
0 - 12	10YR 3/2	100	Color (moist)	70	Турс		Silty Clay Loam		Remarks
12 - 20	7.5YR 4/6	100		_			Clay		
12 20	7.511(4/0	100		_					
			_	_					
				_					
				_					
				_					
				-					
				-					
				_					
			_	· —					-
				_					-
						. .			
	Concentration, D =	Depletio	n, KM = Reduced	Mati	TIX, MS =	Masked	Sand Grains. ² Lo		Lining, M = Matrix.
Hydric Soil			D-1 1 - 1		¢	0) (1 55	D MIDA 4405	indicators for Pro	oblematic Hydric Soils³:
Histoso	(A1) pipedon (A2)		•				R, MLRA 149B)		A10) (LRR K, L, MLRA 149B)
HISTIC E			Thin Dark Su Loamy Muck						Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye			(LKK K, I	-)		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface	
	d Below Dark Surf	ace (A11)							low Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dar	k Sui	face (F7))			rface (S9) (LRR K, L)
Sandy N	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				nese Masses (F12) (LRR K, L, R)
Sandy G	Gleyed Matrix (S4)								oodplain Soils (F19) (MLRA 149B)
Sandy F	tedox (S5)							Red Parent M	T(TA6) (MLRA 144A, 145, 149B)
Stripped	d Matrix (S6)								Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	MLRA 14 9	9B)					Other (Explai	
3Indicators	of hydrophytic veg	otation :	and watland bydr	مامھ	, must b	n nrocon	t unlace dieturba	•	,
	Layer (if observed)		and Welland Hydr	ology	y must be	preser	it, uriless disturbe	d of problematic.	
	Type:		None			Hvdric	Soil Present?		Yes No/_
	Depth (inches):					, ,			
Remarks:	Depart (interies).								
The criterio	n for hydric soil is	not met.	Active Ag field.						

Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date: 2019-June-18			
Applicant/Owner: Excelsior		State: Nev	w York S	ampling Point: W-WSI	H-06_PEM-1	
Investigator(s): Weston Hillegas,	, Isaac Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Foot slope	Local relief (concave, conv	/ex, none):(Concave	Slope (%): 1 to 3	
Subregion (LRR or MLRA): LR	R L	Lat: 43.0421175	Long: -	78.095625	Datum: WGS84	
Soil Map Unit Name: Lamson m	ucky very fine sandy loam (Le)			NWI classification:	PSS	
Are climatic/hydrologic conditions	on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, e	xplain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norm	al Circumsta	nces" present? Ye	es No _ _ /_	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any	answers in Remarks.)		
SUMMARY OF FINDINGS – At	tach site map showing sampli	ng point locations, trai	nsects, imp	oortant features, et	ic.	
Hydrophytic Vegetation Present?	Yes _ ✓ _ No					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	in a Wetland	? Yes	∠_ No	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S		W-WS		
			ille ID.	VV-VV3	511-00	
·	cedures here or in a separate report					
Covertype is PEM. Area is wetland	l, all three wetland parameters are រុ	present. Wetter than averag	ge year.			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of o	one is required; check all that apply)		Secondary I	Indicators (minimum o	f two required)	
✓ Surface Water (A1)	Water-Stained Le	aves (R9)	-	Soil Cracks (B6)	•	
✓ High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)			
✓ Saturation (A3)	Marl Deposits (B1		Moss Tri			
Water Marks (B1)	Hydrogen Sulfide		Dry-Seas	_ Dry-Season Water Table (C2)		
Sediment Deposits (B2)		heres on Living Roots (C3)	Crayfish	Crayfish Burrows (C8)		
		-	Saturati	on Visible on Aerial Im	agery (C9)	
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted	or Stressed Plants (D1)	
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	✓ Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surfac			_ Shallow Aquitard (D3)		
Inundation Visible on Aerial Im		Remarks)		pographic Relief (D4)		
Sparsely Vegetated Concave S	urface (B8)		∕ FAC-Neu	utral Test (D5)		
Field Observations:						
Surface Water Present?		(inches): 2	_			
Water Table Present?	Yes <u></u> ✓ No Depth	(inches): 10	Wetland Hy	drology Present?	Yes No	
Saturation Present?	Yes No Depth	(inches): 0	_			
(includes capillary fringe)						
Describe Recorded Data (stream g	gauge, monitoring well, aerial photo	s, previous inspections), if	available:			
Remarks:						
The criterion for wetland hydrolog	gv is met.					
l l l l l l l l l l l l l l l l l l l						

Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test workshe			
	% Cover	Species?	Status	Number of Dominant Spe	ecies That	2	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Dominal Across All Strata:	nt Species	2	(B)
3					-: Th+		
4				Percent of Dominant Spe - Are OBL, FACW, or FAC:	cies mai	100	(A/B)
5				Prevalence Index workship			
6.						Multiply	D. #
7.				Total % Cover of		Multiply I	-
	0	= Total Cov	er	OBL species	25	x 1 = _	25
Sapling/Shrub Stratum (Plot size:15 ft)		=		FACW species	15	x 2 =	30
1				FAC species	0	x 3 =	0
2.				- FACU species	0	x 4 =	0
				- UPL species	0	x 5 =	0
3.				- Column Totals	40	(A)	55 (B)
4				Prevalence Inde	ex = B/A =	1.4	
5				Hydrophytic Vegetation Ir	ndicators:		
6				1- Rapid Test for Hy		/egetation	
7				2 - Dominance Test		egetation	
	0	= Total Cov	er	✓ 3 - Prevalence Index			
Herb Stratum (Plot size:5 ft)						م مادان المادان	
1. Typha angustifolia	25	Yes	OBL	4 - Morphological Addata in Remarks or on a s			supporting
2. Epilobium ciliatum	15	Yes	FACW				nlain)
3.				Problematic Hydrop			
4.				- Indicators of hydric soil a		, .	gy must be
5.				present, unless disturbed	•	Hatic	-
				_ Definitions of Vegetation			
6				_ Tree - Woody plants 3 in.			liameter at
7				breast height (DBH), rega			
8				Sapling/shrub – Woody p			BH and
9				greater than or equal to 3			
10				Herb – All herbaceous (no			ardless of
11				size, and woody plants le			
12.				Woody vines – All woody	vines great	er than 3	28 ft in
	40	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation I	Present? Y	∕es <u> </u>	0
1.							
2.				-			
3.				-			
				=			
4		Tatal Car		-			
	0	_= Total Cov	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						
Active agricultural field.							

(inches) Color (moist) % Color (moist) % Type! Loc2 Texture Remarks 0 - 20 10/R 3/2 95 5/R 4/6 5 C M Clay Loam Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. *Location: PL = Pore Lining, M = Matrix. Hold Reduced Matrix (Fig. 1)	Profile Deso Depth	cription: (Describe t Matrix	o the o	depth needed to o Redox			indicato	r or confirm the a	bsence of i	ndicators.)
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ² Location: PL = Pore Lining, M = Matrix. Indicators: Indicators for Problematic Hydric Soils*: Histos O(A1)		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	!	Remarks
Hydric Soil Indicators: Histosol (A1)		-			5					
Hydric Soil Indicators: Histosol (A1)			_		- -					
Hydric Soil Indicators: Histosol (A1)					- —					
Hydric Soil Indicators: Histosol (A1)			_							
Hydric Soil Indicators: Histosol (A1)										
Hydric Soil Indicators: Histosol (A1)										
Hydric Soil Indicators: Histosol (A1)			_							
Histosol (A1)	 Type: C = 0	Concentration, D = [Depleti	on, RM = Reduced	d Mat	rix, MS =	 Masked	Sand Grains. ² L	ocation: PL	= Pore Lining, M = Matrix.
Histic Epipedon (A2)	-lydric Soil	Indicators:	-							
Hydrogen Sulfide (A4)	Histoso Histic Ep	(A1) pipedon (A2)		Thin Dark Su	ırface	(S9) (LRI	R R, MLR	A 149B)	2 cm	Muck (A10) (LRR K, L, MLRA 149B)
Stratified Layers (A5)					-		(LRR K,	L)		
Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (F7) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Stri	Stratifie	d Layers (A5)		Depleted Ma	atrix (F3)				
Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None			ce (A1)		Thin I	Dark Surface (S9) (LRR K, L)
Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes✓_ No Depth (inches): Remarks:							,			
Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)										•
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes✓ No Depth (inches): Remarks:	Sandy F	tedox (S5)								•
Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes✓ No Depth (inches): Remarks:	Strippe	d Matrix (S6)								
Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Dark Su	rface (S7) (LRR R, M	LRA 14	19B)					-	
Type: None Hydric Soil Present? Yes _ No Depth (inches): Remarks:			etation	and wetland hyd	rolog	y must b	e preser	nt, unless disturbe	ed or proble	ematic.
Depth (inches): Remarks:	Restrictive	=		None			Lludric	Soil Procent?		Vos. / No.
Remarks:				None	-		пуштіс	Son Present?		res No
	Remarks:	Deptir (inches).								
		n for hydric soil is r	net.							

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date: 2019-June-18				
Applicant/Owner: Excelsion	-	State: Nev	v York Sampl	Sampling Point: W-WSH-06_UPL-1			
Investigator(s): Weston Hillegas,	Isaac Pallant	Section, Township, Range:					
Landform (hillslope, terrace, etc.):	Hillslope	Local relief (concave, conv	ex, none): Conv	ex	Slope (%): 10 to 20		
Subregion (LRR or MLRA): LRR	₹L	Lat: 43.042087	Long: -78.09	95519 <u></u> [Datum: WGS84		
Soil Map Unit Name: Ovid silt loa	am, 3 to 8 percent slopes (OvB)		1	NWI classification:	None		
Are climatic/hydrologic conditions of	on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, explai	in in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norma	al Circumstances	" present? Ye	es No _ _/ _		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any ansv	vers in Remarks.)			
SUMMARY OF FINDINGS - Att	ach site map showing sampli	ng point locations, trar	nsects, importa	ant features, et	c.		
Hydrophytic Vegetation Present?	Yes No _ _/ _						
Hydric Soil Present?	Yes No _ ✓	Is the Sampled Area within	n a Wetland?	Yes _	No		
Wetland Hydrology Present?	Yes No _ _ ✓	If yes, optional Wetland Si		_			
			ite ib.				
	edures here or in a separate report						
Covertype is UPL. Area is upland, r	not all three wetland parameters ar	e present. Wetter than aver	rage year.				
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of or	ne is required; check all that apply)		Secondary Indic	ators (minimum o	f two required)		
Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil	Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B		Drainage Pat	_ Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim Li	Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season \				
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	Crayfish Bur				
			Saturation V	isible on Aerial Ima	agery (C9)		
Drift Deposits (B3)	Presence of Redu			tressed Plants (D1)		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aqu				
Inundation Visible on Aerial Im		Remarks)		aphic Relief (D4)			
Sparsely Vegetated Concave Su	irtace (B8)		FAC-Neutral	Test (D5)			
Field Observations:		<i>a</i> . 1					
Surface Water Present?	·	(inches):	-				
Water Table Present?	·	(inches):	Wetland Hydrol	ogy Present?	Yes No _ _		
Saturation Present?	Yes No Depth	(inches):	_				
(includes capillary fringe)							
Describe Recorded Data (stream g	auge, monitoring well, aerial photo	s, previous inspections), if a	available:				
_							
Remarks:	-						
No positive indication of wetland h	nvdrology was observed.						
The positive maleution of Wedana 1	iyar ology was observed.						

Tree Christian (Diet sine) 20 ft	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(A)
1.				Are OBL, FACW, or FAC:		(A)
2.				Total Number of Dominant Species	0	(B)
3.				Across All Strata:		(B)
4.				Percent of Dominant Species That		(A/B)
5.				Are OBL, FACW, or FAC:		(A/ b)
6.				Prevalence Index worksheet:		
				Total % Cover of:	Multiply	<u>Ву:</u>
7				— OBL species 0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_)			FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3.				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	-	0 (D)
5						
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic \	egetation/	
	0	= Total Cover		2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)				3 - Prevalence Index is $\leq 3.0^{1}$		
l				4 - Morphological Adaptations		supporting
2				data in Remarks or on a separate sl		
2				Problematic Hydrophytic Vege		-
				Indicators of hydric soil and wetlar		gy must be
4				present, unless disturbed or proble	matic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
7				breast height (DBH), regardless of h		
8				Sapling/shrub – Woody plants less t		BH and
9				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2		
12.				Woody vines – All woody vines grea	ter than 3.	28 ft in
	0	= Total Cover		height.		
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes N	0 🟒
1.						
2.				_		
3.				_		
4.				_		
	0	= Total Cover		_		
		- Total Cover				
Remarks: (Include photo numbers here o	r on a separate	e sheet.)				
Active agricultural field.						

· · · -	Matrix		Redox	Feat				osence of indicators.)
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc²	Texture	Remarks
0 - 12	10YR 3/3	100		_			Clay Loar	m
12 - 20	5YR 4/6	100		_			Clay	
				_				
				_				
				_				
		- —		_				
				_				
				_				
				_				
				_				
				_				
			- DM Deduced			<u> </u>	Carad Caraina 21	
	Concentration, D =	Debletio	iii, Kivi = Keaucea	ıvıatı	1X, IVIS =	iviasked	Sanu Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
Histoso	Indicators:		Polyvalue Bel	مس د	urfaca (C	8) (DD	D MIDA 1/ODI	Indicators for Problematic Hydric Soils ³ :
	oipedon (A2)		Polyvalue Bei					2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Mucky					Coast Prairie Redox (A16) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)			5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mat					Polyvalue Below Surface (S8) (LRR K, L)
'	d Below Dark Surf	ace (A11	· 					Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar					Iron-Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depre	ssior	IS (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4) Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)							Red Parent Material (F21)
	rface (S7) (LRR R, N	/II RA 149	9R)					Very Shallow Dark Surface (TF12)
bank sa	ridee (37) (Eracity ii		,,,					Other (Explain in Remarks)
	of hydrophytic veg		and wetland hydr	olog	y must be	preser	t, unless disturbe	d or problematic.
Restrictive	Layer (if observed):							
	Type:		None			Hydric	Soil Present?	Yes No <u>_</u> ✓
	Depth (inches):							
temarks:								
√o positive	indication of hydr	ic soils w	as observed. Acti	ve til	led Ag fie	eld.		

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: By	ron, Genesee County	Sam	Sampling Date: 2019-June-19		
Applicant/Owner: Excelsior		State: Nev	w York Sampl	Sampling Point: W-WSH-07_PEM-1		
Investigator(s): Weston Hillegas,	, Isaac Pallant	Section, Township,	, Range:			
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, conv	/ex, none): Conc	ave	Slope (%): 1 to 3	
Subregion (LRR or MLRA): LR	R L	Lat: 43.046299	Long: -78.09	9495	Datum: WGS84	
Soil Map Unit Name: Ovid silt lo	am, 3 to 8 percent slopes (OvB)			NWI classification	: PSS	
• •	on the site typical for this time of y		o 🟒 (If no, explai			
Are Vegetation, Soil,	or Hydrology significantly d		al Circumstances	•	es No _ _ /_	
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? (If needed,	explain any ansv	vers in Remarks.)		
SUMMARY OF FINDINGS – At	tach site map showing sampl	ing point locations, tra	nsects, importa	ant features, e	tc.	
Hydrophytic Vegetation Present?	Yes No					
Hydric Soil Present?	Yes No	Is the Sampled Area with	in a Wetland?	Yes _	✓_ No	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-W:	SH-07	
						
·	cedures here or in a separate repor I, all three wetland parameters are		go voor			
Covertype is FLIVI. Area is wetland	i, an timee wettand parameters are	present. Wetter than averag	ge year.			
HYDROLOGY						
Madand Hadralan Indiantara						
Wetland Hydrology Indicators:	one is required; shock all that apply		Cocondany Indic	atore (minimum	of two required)	
•	one is required; check all that apply		-	ators (minimum (or two required)	
✓ Surface Water (A1)	Water-Stained Le			rface Soil Cracks (B6) ainage Patterns (B10)		
✓ High Water Table (A2)	Aquatic Fauna (B		_	Moss Trim Lines (B16)		
✓ Saturation (A3)	Marl Deposits (B		Dry-Season Water Table (C2)			
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide	pheres on Living Roots (C3)	Crayfish Buri			
Sediment Deposits (B2)	Oxidized Kilizosp	oneres on Living Roots (CS)	•	sible on Aerial Im	nagery (C9)	
Drift Deposits (B3)	Presence of Redu	uced Iron (C4)	Stunted or St	tressed Plants (D	1)	
Algal Mat or Crust (B4)		uction in Tilled Soils (C6)	Geomorphic	Position (D2)		
Iron Deposits (B5)	Thin Muck Surfac	ce (C7)	Shallow Aqui	itard (D3)		
Inundation Visible on Aerial Im	nagery (B7) Other (Explain in	Remarks)	Microtopogr	aphic Relief (D4)		
Sparsely Vegetated Concave S	urface (B8)		<u></u> ✓ FAC-Neutral	Test (D5)		
Field Observations:						
Surface Water Present?	Yes No Depti	h (inches): 1				
Water Table Present?	Yes 🗸 No Deptl	h (inches): 3	Wetland Hydrol	ogy Present?	Yes No	
Saturation Present?	Yes _✓_ No Deptl	h (inches):	-			
(includes capillary fringe)	·		-			
	gauge, monitoring well, aerial photo	ns previous inspections) if	available:			
Describe Recorded Bata (stream)	saage, monitoring well, derial photo	os, previous irispections,, ir	avallable.			
Page adver						
Remarks:						
The criterion for wetland hydrolog	gy is met.					

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	% Cover	Species?	Status	Number of Dominant Species Tha	t 4	(4)
1.		·		Are OBL, FACW, or FAC:	4	(A)
2.				Total Number of Dominant Specie	s 4	(D)
3.				Across All Strata:		(B)
4.				Percent of Dominant Species That	100	(A/B)
5.				Are OBL, FACW, or FAC:		(A/B)
-				Prevalence Index worksheet:		
6.				Total % Cover of:	Multiply I	<u>Ву:</u>
7				OBL species 160	x 1 =	160
	0	= Total Cove	r	FACW species 9	x 2 =	18
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1. Cornus amomum	5	Yes	FACW	FACU species 0	x 4 =	0
2. <i>Fraxinus pennsylvanica</i>	4	Yes	FACW	UPL species 0	x 5 =	0
3				Column Totals 169	- (A)	178 (B)
4.					- '' -	178 (B)
5.				Prevalence Index = B/A =		
6.				Hydrophytic Vegetation Indicators		
7.				1- Rapid Test for Hydrophytic	Vegetation	
	9	= Total Cove	r	2 - Dominance Test is >50%		
Harb Stratum (Diet size) E ft				\checkmark 3 - Prevalence Index is \le 3.01		
Herb Stratum (Plot size:5 ft)	80	Yes	OBL	4 - Morphological Adaptation	s1 (Provide s	supporting
1. Typha angustifolia			OBL	data in Remarks or on a separate	sheet)	
2. <i>Glyceria maxima</i>	60	Yes	OBL	Problematic Hydrophytic Veg	etation¹ (Ex	plain)
3. <u>Scirpus atrovirens</u>	20	<u>No</u>	OBL	landicators of hydric soil and wetla	nd hydrolog	gy must be
4				present, unless disturbed or probl	ematic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm)	or more in d	liameter at
7.				breast height (DBH), regardless of	height.	
8.				Sapling/shrub – Woody plants less	than 3 in. D	BH and
9.				greater than or equal to 3.28 ft (1	n) tall.	
10.				Herb – All herbaceous (non-wood)) plants, reg	ardless of
				size, and woody plants less than 3	.28 ft tall.	
12.				Woody vines – All woody vines gre	ater than 3.2	28 ft in
	160	= Total Cove	r	height.		
Woody Vine Stratum (Plot size:30 ft)	100	_ TOTAL COVE	1	Hydrophytic Vegetation Present?	Yes 🗸 N	О
· — ·						
1.						
2						
3						
4						
	0	= Total Cove	r			
Remarks: (Include photo numbers here or on a separa	te sheet.)			-		
	,					

Profile Desc Depth	ription: (Describe Matrix	to the de	eptn needed to d Redox			indicato	r or confirm the a	bsence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 6	10YR 3/2	95	10YR 5/6	5			Silt Loam	
6 - 18	5YR 5/6	100		_			Clay	
Type: C = C	ioncentration, D =	Depletic	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
lydric Soil	Indicators:							Indicators for Problematic Hydric Soils ³ :
Histosol			•				R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su					Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck			(LRR K,	-)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Ma					Dark Surface (S7) (LRR K, L)
	d Below Dark Surf	ace (A11						Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	ucc (/ () 1	Depleted Dark)		Thin Dark Surface (S9) (LRR K, L)
	lucky Mineral (S1)		Redox Depre			•		Iron-Manganese Masses (F12) (LRR K, L, R)
	ileyed Matrix (S4)							Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy R	edox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Stripped	d Matrix (S6)							Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	9B)					Other (Explain in Remarks)
Indicators	of hydrophytic veg	etation :	and wetland hydr	വിറത	, must h	e nreser	nt unless disturbe	
	_ayer (if observed):		and Wedana nyan	0108.	y mase b	Preser	it, arriess distar se	d of problemade.
	Type:		None			Hydric	Soil Present?	Yes _ ✓_ No
	Depth (inches):							
Remarks:						II.		
Coils notent	tially disturbed fro	m agrici	ultural activities h	ut no	nt consid	arad to	ne a significant dis	sturbance
ions potern	lially disturbed iro	iii agiicu	iliturai activities, t	utni	ot corisia	ereu to	Je a signincant dis	stui barice.

Hydrology Photos



Vegetation Photos





Photo of Sample Plot North



Photo of Sample Plot / East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Excelsior	City/County: Byr	on, Genesee County	S	Sampling Date: 2019-June-19		
Applicant/Owner: Excelsior		State: Nev	v York San	mpling Point: W-WSF	1-07_PFO-1	
Investigator(s): Weston Hillegas	, Isaac Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, conv	rex, none): Co	ncave	Slope (%): 0 to 1	
Subregion (LRR or MLRA): LR	R L	Lat: 43.0441602	Long: -78	3.0949873 [Datum: WGS84	
Soil Map Unit Name: Ovid silt lo	am, 3 to 8 percent slopes (OvB)			NWI classification:	PSS	
Are climatic/hydrologic conditions	on the site typical for this time of ye		_ ∠ (If no, exp	olain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstanc	•	es No / _	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any ar	nswers in Remarks.)		
SUMMARY OF FINDINGS – At	tach site map showing sampli	ng point locations, trai	nsects, impo	ortant features, et	с.	
Hydrophytic Vegetation Present?	Yes _ 🗸 No					
Hydric Soil Present?	Yes 🗸 No	Is the Sampled Area withi	n a Wetland?	Yes	∠_ No	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-WS	H-07	
	cedures here or in a separate report					
	, all three wetland parameters are p		o voar			
Covertype is PFO. Area is wetland	, all tiffee wetland parameters are p	resent. Wetter than averag	e year.			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of c	one is required; check all that apply)		-	<u>dicators (minimum o</u>	f two required)	
Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil Cracks (B6)			
<u>✓</u> High Water Table (A2)	Aquatic Fauna (B ⁻		Drainage Patterns (B10)			
<u>✓</u> Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2) Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	-	n Visible on Aerial Im	agery (C9)	
Drift Deposits (B3)	Presence of Redu	uced Iron (CA)		r Stressed Plants (D1		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		hic Position (D2))	
Iron Deposits (B5)	Thin Muck Surfac		Shallow Ad			
Inundation Visible on Aerial Im				ographic Relief (D4)		
Sparsely Vegetated Concave S		,	FAC-Neutr			
Field Observations:						
Surface Water Present?	Yes No <u></u> ✓ Depth	(inches):				
Water Table Present?	Yes _✓_ No Depth	(inches): 13	Wetland Hydr	rology Present?	Yes No	
Saturation Present?		(inches): 8	-			
(includes capillary fringe)	'		-			
	gauge, monitoring well, aerial photo	s provious inspections) if				
Describe Recorded Data (stream)	gauge, monitoring well, aeriai prioto	is, previous irispections), ir	avaliable.			
Remarks:						
The criterion for wetland hydrolog	gy is met.					
İ						

	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species	Γhat 4	(A)
85	Yes	FACW	Are OBL, FACW, or FAC:		
			Total Number of Dominant Spe Across All Strata:	ecies 5	(B)
				hat 80	(A/B)
			Prevalence Index worksheet:		
				Multiply	Bv:
					0
85	= Total Cov	er	· · · · · · · · · · · · · · · · · · ·		390
			· -		0
30	Yes	FACU	·		148
30	Yes	FACW			0
			·		
				`´ -	538 (B)
			Prevalence Index = B	/A =2.3	
			Hydrophytic Vegetation Indicat	ors:	
			1- Rapid Test for Hydroph	ytic Vegetation	
	- Total Cov	or	✓ 2 - Dominance Test is >50	1%	
	_ 10tal Cov	ei	3 - Prevalence Index is ≤	3.0 ¹	
60	V	EACIA!	4 - Morphological Adapta	tions¹ (Provide	supporting
			data in Remarks or on a separa	ate sheet)	
			Problematic Hydrophytic	Vegetation¹ (Ex	plain)
5	No	FACU	¹ Indicators of hydric soil and w	etland hydrolog	gy must be
			present, unless disturbed or pr	oblematic	
			Definitions of Vegetation Strata	a:	
			Tree – Woody plants 3 in. (7.6 c	m) or more in o	diameter a
				_	DBH and
			• · · · · · · · · · · · · · · · · · ·		
			Herb – All herbaceous (non-wo	ody) plants, reg	gardless of
					.28 ft in
				J	
85	_= Total Cov	er		nt? Voc / N	lo.
			Hydrophytic Vegetation Frese	iit: ies 🗾 N	10
2	No	FACU	-		
	85 30 30 30 60 60 20 5	85 = Total Cov 30	85 = Total Cover 30	Total Number of Dominant Species TAre OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species 0 FACW species 195 FAC species 37 UPL species 0 FACU species 0 Column Totals 232 Prevalence Index = B Hydrophytic Vegetation Indicat 1 - Rapid Test for Hydroph 2 - Dominance Test is >50 ✓ 3 - Prevalence Index is ≤	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply OBL species 9

Profile Des	cription: (Describe Matrix	to the d	epth needed to de Redox			indicato	r or confirm the a	bsence of ir	ndicators.)
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	•	Remarks
0 - 12	10YR 2/1	100		<u> </u>	576-		Clay Loa		
12 - 20	10YR 6/6	40		_			Sandy Cla		
12 - 20	10YR 5/2	60		_			Sandy Cla		
		_		_					
				_					
				_					
				_					
				_					
				_					
¹Type: C = 0	Concentration, D =	Depletic	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. ² L	ocation: PL	= Pore Lining, M = Matrix.
Hydric Soil	Indicators:								s for Problematic Hydric Soils³:
Histoso					•		R, MLRA 149B)	2 cm l	Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su						Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LRR K, I	L)	5 cm l	Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Ma					Dark 9	Surface (S7) (LRR K, L)
	d Below Dark Surf	ace (A11						-	alue Below Surface (S8) (LRR K, L)
'	ark Surface (A12)		Depleted Dar)			Dark Surface (S9) (LRR K, L)
Sandy N	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				Manganese Masses (F12) (LRR K, L, R)
Sandy G	Gleyed Matrix (S4)								nont Floodplain Soils (F19) (MLRA 149B) Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								arent Material (F21)
Stripped	d Matrix (S6)								Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 14	9B)					-	(Explain in Remarks)
3Indicators	of hydrophytic veg	etation	and wetland hydr	olog	v must h	e nreser	nt unless disturbe	d or proble	· ematic
	Layer (if observed):			0.	<i>,</i>				
	Type:		None			Hydric	Soil Present?		Yes No
	Depth (inches):			•					
Remarks:	,								
The eniteral	f								
ine criterio	n for hydric soil is	met.							

Hydrology Photos



Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byr	on, Genesee County		Sampling Date: 2019-June-19		
Applicant/Owner: Excelsion		State: Nev	w York	Sampling Point: W-WS	H-07_UPL-1	
Investigator(s): Weston Hillegas, Is	saac Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Flat	Local relief (concave, conv	ex, none):_	Convex	Slope (%): 1 to 3	
Subregion (LRR or MLRA): LRR	L	Lat: 43.046315	Long:_	-78.0949451	Datum: WGS84	
Soil Map Unit Name: Ovid silt loan	m, 3 to 8 percent slopes (OvB)			NWI classification	None	
Are climatic/hydrologic conditions of	n the site typical for this time of ye	ear? Yes No	_ ∠ (If no,	explain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di				es No /_	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any	y answers in Remarks.)		
SUMMARY OF FINDINGS – Atta	ach site map showing sampli	ng point locations, trar	nsects, im	portant features, e	tc.	
Hydrophytic Vegetation Present?	Yes No _ ✓					
Hydric Soil Present?	Yes No _ _ ∕_	Is the Sampled Area withi	in a Wetland	d? Yes	No⁄_	
Wetland Hydrology Present?	Yes No _ _	If yes, optional Wetland Si				
			ite ib.			
Remarks: (Explain alternative proce	·		rago 110ar			
Covertype is UPL. Area is upland, no	ot all three wetland parameters ar	e present. Wetter than aver	rage year.			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one	e is required; check all that apply)		•	/ Indicators (minimum o	of two required)	
Surface Water (A1)	Water-Stained Le	aves (B9)		e Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B´		Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16) Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide		-	_ Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Knizosp	heres on Living Roots (C3)	-	tion Visible on Aerial Im	nagery (C9)	
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)		d or Stressed Plants (D		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surfac			Shallow Aquitard (D3)		
Inundation Visible on Aerial Ima				opographic Relief (D4)		
Sparsely Vegetated Concave Sur	face (B8)		FAC-Ne	eutral Test (D5)		
Field Observations:						
Surface Water Present?	Yes No <u>_</u> Depth	(inches):				
Water Table Present?	Yes No Depth	(inches):	Wetland H	lydrology Present?	Yes No ∠	
Saturation Present?	Yes No Depth	(inches):	=			
(includes capillary fringe)			=			
Describe Recorded Data (stream ga	auge monitoring well aerial photo	s previous inspections) if	available.			
Describe Recorded Data (stream ga	age, monitoring well, aeriai photo	is, previous irispections,, ir c	available.			
Remarks:	oden la monora a la noma d					
No positive indication of wetland hy	drology was observed.					

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
	Cover	Species?	Status	Number of Dominant Species	That	0 (A)
1				Are OBL, FACW, or FAC:		
2				Total Number of Dominant S	ecies	0 (B)
3				Across All Strata:	Th 4	
A				Percent of Dominant SpeciesAre OBL, FACW, or FAC:	Inat	(A/B)
5				Prevalence Index worksheet:		
6.					N.A. Jai	ah . Di
7.				Total % Cover of:		ply By:
	0	= Total Cover		OBL speciesFACW species		
Sapling/Shrub Stratum (Plot size: 15 ft		='				
1				FAC species 0		
2.				FACU species 0		
				UPL species 0	x 5 =	0
3. 4.				Column Totals 0	(A)	0 (B)
5.				Prevalence Index =	B/A =	
				Hydrophytic Vegetation Indic	ators:	
6.				1- Rapid Test for Hydrop	hytic Vegetat	ion
7				2 - Dominance Test is >	50%	
	0	= Total Cover		3 - Prevalence Index is s	£ 3.0¹	
Herb Stratum (Plot size:5 ft)				4 - Morphological Adapt	ations¹ (Provi	de supporting
1				data in Remarks or on a sepa		•
2				Problematic Hydrophyti	c Vegetation¹	(Explain)
3				lndicators of hydric soil and	wetland hydr	ology must be
4				present, unless disturbed or	oroblematic	
5				Definitions of Vegetation Stra	ta:	
6				Tree – Woody plants 3 in. (7.6	cm) or more	in diameter at
7.				breast height (DBH), regardle		
8.				Sapling/shrub – Woody plant	less than 3 i	n. DBH and
9.				greater than or equal to 3.28	ft (1 m) tall.	
10.				Herb – All herbaceous (non-v	oody) plants	regardless of
				size, and woody plants less th	an 3.28 ft tal	l.
				Woody vines – All woody vine	s greater tha	n 3.28 ft in
12	0	= Total Cover		height.		
Woody Vine Stratum (Plot size: 30 ft		- Total Cover		Hydrophytic Vegetation Pres	ent? Yes	_ No / _
1.						
1.				_		
2				_		
3				_		
4				_		
	0	= Total Cover				
Remarks: (Include photo numbers here o	r on a separat	e sheet.)				
Active agricultural field. disturbed Ag field	d with dead co	vercrop.				

Profile Deso	cription: (Describe Matrix	to the de	epth needed to de Redox			indicato	or confirm the al	osence of indicator	rs.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks
0 - 12	10YR 4/3	100			.,,,,,		Silty Cla		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
12 - 20	10YR 5/4	100		_			Cla		
				_					
				_					
				_					
				_					
¹Type: C = 0	Concentration, D =	Depletio	n, RM = Reduced	Matı	rix, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Pore	Lining, M = Matrix.
Hydric Soil									oblematic Hydric Soils³:
Histoso			Polyvalue Bel	ow S	urface (S	8) (LRR l	R, MLRA 149B)		A10) (LRR K, L, MLRA 149B)
Histic E	Histic Epipedon (A2) Thin Dark Surface (S9) (LRI						A 149B)		Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LRR K, I	-)		Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface	
	d Layers (A5)	252 (411	Depleted Mat					Polyvalue Bel	low Surface (S8) (LRR K, L)
	d Below Dark Surf ark Surface (A12)	ace (ATT	Depleted Dark			1			rface (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Depre						ese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)				(,				oodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								(TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)							Red Parent M	
	rface (S7) (LRR R, N	/LRA 149	9B)					Other (Explai	Dark Surface (TF12)
21 1: .	61 1 1							•	THI Kellulks)
	of hydrophytic veg		and wetland hydr	ology	/ must be	e preser I	t, unless disturbe	d or problematic.	
	Layer (if observed)	•	None			Lludric	Cail Bracant?		Voc. No. (
	Type:		None			пуштс	Soil Present?		Yes No/_
	Depth (inches):								
Remarks: No positive	indication of hydr	ic soils w	vas observed.						
positive	a.cat.o oya.	555	as observed.						

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byron, Genesee County	Sampling Date: 2019-June-19		
Applicant/Owner: Excelsior	State: Ne	w York Sampling Point: W-WSH-07_UPL-2		
Investigator(s): Weston Hillegas, Isaac Pallant	Section, Township	, Range:		
Landform (hillslope, terrace, etc.): Hilltop	Local relief (concave, con	vex, none): Convex Slope (%): 1 to 10		
Subregion (LRR or MLRA): LRR L	Lat: 43.0441766	Long: -78.0948927		
Soil Map Unit Name: Ovid silt loam, 3 to 8 perce	ent slopes (OvB)	NWI classification: PSS		
Are climatic/hydrologic conditions on the site typic	al for this time of year? Yes No	o 🟒 (If no, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Norm	nal Circumstances" present? Yes 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, tra	nsects, important features, etc.		
Hydrophytic Vegetation Present? Yes	No _ _/ _			
Hydric Soil Present? Yes	No Is the Sampled Area with	in a Wetland? Yes No/		
Wetland Hydrology Present? Yes	No If yes, optional Wetland S	Site ID:		
Remarks: (Explain alternative procedures here or	•	prago voar		
Covertype is UPL. Area is upland, not all three wet	land parameters are present. Wetter than ave	erage year.		
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is required; o	neck all that apply)	Secondary Indicators (minimum of two required)		
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)		
Saturation (A3)	_ Marl Deposits (B15)	Moss Trim Lines (B16) 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)		FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes No	✓ Depth (inches):			
Water Table Present? Yes No _		Wetland Hydrology Present? Yes No/		
Saturation Present? Yes No _		_		
(includes capillary fringe)		-		
Describe Recorded Data (stream gauge, monitorin	ng well perial photos previous inspections) if	available.		
Describe Recorded Data (stream gauge, monitorn	ig well, derial priotos, previous inspections, in	available.		
Barrandari		_		
Remarks:	haan ad			
No positive indication of wetland hydrology was o	bserved.			
İ				

Tree Stratum (Plot size:30 ft)	Absolute	Dominant	Indicator	Dominance Test worksheet:				
Thee Stratum (Flot Size	% Cover	Species?	Status	Number of Dominant Species That	3	(A)		
1. Fraxinus pennsylvanica	55	Yes	FACW	Are OBL, FACW, or FAC:				
2. Viburnum lentago	45	Yes	FAC	Total Number of Dominant Species	7	(B)		
3.				Across All Strata:				
4.				Percent of Dominant Species That	42.9	(A/B)		
5.				Are OBL, FACW, or FAC:				
6.				Prevalence Index worksheet:	N de elation le c f	D		
7.				Total % Cover of:	Multiply E	-		
	100	= Total Cov	er	OBL species 0	x 1 =	0		
Sapling/Shrub Stratum (Plot size:15 ft)		-		FACW species 55	x 2 =	110		
1. Lonicera morrowii	45	Yes	FACU	FAC species 70	x 3 =	210		
2. Viburnum lentago	25	Yes	FAC	FACU species 85	x 4 =	340		
3.				UPL species 0	x 5 =	0		
4.				Column Totals 210	(A)	660 (B)		
5.				Prevalence Index = B/A =	3.1			
				Hydrophytic Vegetation Indicators:				
7.				1- Rapid Test for Hydrophytic V	'egetation			
/·	70	= Total Cov	or	2 - Dominance Test is > 50%				
Harb Stratum (Plat size) E ft	70	_ 10tai Cov	CI	3 - Prevalence Index is ≤ 3.01				
Herb Stratum (Plot size: _ 5 ft _) 1. Arctium minus	20	Yes	FACU	4 - Morphological Adaptations	(Provide s	supporting		
2. Solidago canadensis	10			data in Remarks or on a separate sh	ieet)			
·		Yes	FACU	Problematic Hydrophytic Vege				
3. Hesperis matronalis	10	Yes	FACU	¹ Indicators of hydric soil and wetlan	-	gy must be		
4				present, unless disturbed or problem	natic			
5				Definitions of Vegetation Strata:				
6				Tree – Woody plants 3 in. (7.6 cm) or		liameter at		
7				breast height (DBH), regardless of h	_			
8				Sapling/shrub – Woody plants less t		BH and		
9				greater than or equal to 3.28 ft (1 m				
10				Herb – All herbaceous (non-woody)		ardless of		
11				size, and woody plants less than 3.2		20 ft in		
12				Woody vines – All woody vines great height.	er triari 5.2	20 11 111		
	40	= Total Cov	er					
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	res N	0		
1								
2								
3								
4.								
	0	= Total Cov	er					
Remarks: (Include photo numbers here or on a separat	a sheet)			1	-			
Area seemed to be the soil excavated out of the adjace		ich is now \	N WSH 07 B	PEM				
Area seemed to be the son excavated out of the adjacen	iii ai ca wi	IICII IS IIOW V	V-VV311-07_F	LIVI.				

Profile Des	cription: (Describe Matrix	to the de	epth needed to do Redox			indicato	r or confirm the a	absence of ind	licators.)
						12	Taratum	_	Domonika
(inches)	Color (moist)	<u>%</u>	Color (moist)	9/0	Type ¹	Loc ²	Textur		Remarks
0 - 20	7.5YR 4/4	100		_			Clay Loa	am	
				_					
						,			_
				_					
				_					
		· ·		_					_
				_				 -	
				_					
				_				 -	
				_					
¹Type: C = 0	Concentration, D =	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. 2	Location: PL =	Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators f	or Problematic Hydric Soils³:
Histoso	(A1)		Polyvalue Bel	ow S	urface (S	8) (LRR I	R, MLRA 149B)	2 cm Mı	uck (A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, M									rairie Redox (A16) (LRR K, L, R)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L)							L)		ucky Peat or Peat (S3) (LRR K, L, R)
, ,	en Sulfide (A4)		Loamy Gleyed						ırface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mat					Polyvalı	ue Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ace (A11)							rk Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
_	Mucky Mineral (S1)		Redox Depres	ssior	ıs (F8)				int Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)								podic (TA6) (MLRA 144A, 145, 149B)
-	ledox (S5)								rent Material (F21)
	d Matrix (S6)								allow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	9B)					-	Explain in Remarks)
3Indicators	of hydrophytic veg	otation :	and watland buds	مامم	, must b	0 050505	st uplace dicturb	ad ar problem	Natio
-			and wettand nyur	olog	y must b	e preser	it, uriless disturb	ed of problem	latic.
	Layer (if observed):		Niere			l la calacta	C-: D	,	Van Na V
	Type:		None			Hyaric	Soil Present?	,	Yes No/_
	Depth (inches):								
Remarks:									
The criterio	n for hydric soil is	not met.							

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Da	Sampling Date: 2019-June-20		
Applicant/Owner: Excelsion		State: Nev	v York Sampling Point	Sampling Point: W-WSH-08_PUB-1		
Investigator(s): Weston Hillega	s, Isaac Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Depression	Local relief (concave, conv	ex, none): Concave	Slope (%): 0 to 1		
Subregion (LRR or MLRA):	RR L	Lat: 43.057044003	3 Long: -78.09634365	Datum: WGS84		
Soil Map Unit Name: Lima silt	loam, 3 to 8 percent slopes (LmB)		NWI class	ification: None		
Are climatic/hydrologic condition:	s on the site typical for this time of ye	ear? Yes No	(If no, explain in Rem	arks.)		
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" presen			
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Re	emarks.)		
SUMMARY OF FINDINGS – A	attach site map showing sampli	ing point locations, trai	nsects, important feat	ures, etc.		
Hydrophytic Vegetation Present?	? Yes No					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No		
Wetland Hydrology Present?	Yes _ _ No	If yes, optional Wetland S	ite ID:	W-WSH-08		
	ocedures here or in a separate report	1				
			41			
Covertype is PUB. Area is wetland	d, all three wetland parameters are p	resent. Farm Pond. Wetter	than average year.			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (mi	·		
∕ Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil Cracks (B	•		
<u>✓</u> High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B1			
∕ Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Tal			
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)			
6						
Drift Deposits (B3)	Presence of Redu		Stunted or Stressed F			
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	✓ Geomorphic Position			
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aquitard (D3			
Inundation Visible on Aerial I		Remarks)	Microtopographic Re			
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D5) I			
Field Observations:	Vos. / No. Donth	(inches): 26				
Surface Water Present?	·	(inches): 36		13 V - N		
Water Table Present?	•	(inches): 2	Wetland Hydrology Pres	ent? Yes No		
Saturation Present?	Yes 🟒 No Depth	(inches): 0				
(includes capillary fringe)						
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	os, previous inspections), if	available:			
Remarks:						
The criterion for wetland hydrolo	ogy is met.					

				1		
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksheet:		
`	% Cover	Species?	Status	Number of Dominant Species Tha	t 3	(A)
1				Are OBL, FACW, or FAC:		
2				Total Number of Dominant Specie	s 3	(B)
3				Across All Strata:		
4				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
5				Prevalence Index worksheet:		
6.					Multiply	D
7.				Total % Cover of:	Multiply E	-
	0	= Total Cov	er	OBL species 60	_ x1= _	60
Sapling/Shrub Stratum (Plot size:15 ft)		=		FACW species 10	_ x 2 = _	20
1. Salix eriocephala	10	Yes	FACW	FAC species 0	_ x 3 =	0
2.				FACU species 0	x 4 =	0
3.				UPL species 0	x 5 =	0
				Column Totals 70	(A)	80 (B)
4				Prevalence Index = B/A	=1.1	
5				Hydrophytic Vegetation Indicators	:	
6				1- Rapid Test for Hydrophytic		
7				✓ 2 - Dominance Test is >50%		
	10	= Total Cov	er	\checkmark 3 - Prevalence Index is \le 3.0°		
Herb Stratum (Plot size:5 ft)				4 - Morphological Adaptation		supporting
1. <i>Typha angustifolia</i>	45	Yes	OBL	data in Remarks or on a separate		supporting
2. Alisma triviale	15	Yes	OBL	Problematic Hydrophytic Veg		nlain)
3.				Indicators of hydric soil and wetla		
4.				present, unless disturbed or prob	, .	gy must be
5.				•	Ciriatic	
6.				Definitions of Vegetation Strata:		l:
7.				Tree – Woody plants 3 in. (7.6 cm)		nameter at
				breast height (DBH), regardless of		DII amal
8				Sapling/shrub – Woody plants less greater than or equal to 3.28 ft (1		IDITI allu
9				. -		ardless of
10				Herb – All herbaceous (non-wood size, and woody plants less than 3		aruless of
11				Woody vines – All woody vines gre		20 ft in
12				height.	ater triair 5.	20 11 111
	60	= Total Cov	er			
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes N	0
1.						
2.						
3.						
4.						
· ·	0	= Total Cov	er	•		
		- 10tal Cov				
Remarks: (Include photo numbers here or on a separat	e sheet.)					
vegetation was growing along the edges of the farm po	nd.					

Depth (inches) Colo	Matrix or (moist)	<u></u> %	Redox Feat Color (moist)		Type ¹	Loc2	Te	xture Remarks
	YR 5/2	100	color (moist)	- 	<u> </u>			Clay Loam
					<u> </u>			
								· · · · · · · · · · · · · · · · · · ·
Type: C = Con	centration,	D = Deplet	ion, RM = Reduced Ma	atrix,	MS = M	 lasked	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
łydric Soil Indi	icators:							Indicators for Problematic Hydric Soils ³ :
Histosol (A1	-		Polyvalue Below					2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipe			Thin Dark Surfac					Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic	, ,		Loamy Mucky M			.RR K, L	.)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen S			Loamy Gleyed N		k (F2)			Dark Surface (S7) (LRR K, L)
Stratified La	, , ,		Depleted Matrix		(EC)			Polyvalue Below Surface (S8) (LRR K, L)
Depleted в Thick Dark			 Redox Dark Surf Depleted Dark S 					Thin Dark Surface (S9) (LRR K, L)
Sandy Muc	•	•	Redox Depression					Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mac Sandy Gley			Nedox Depressi) (110	10)			Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Gley Sandy Redo) +)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-								Red Parent Material (F21)
Stripped M		D MIDA 1	40D)					Very Shallow Dark Surface (TF12)
Dark Surfac	Le (37) (LKK	K, WILKA	436)					Other (Explain in Remarks)
Indicators of had the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the			and wetland hydrolo	gy m	nust be p	presen	t, unless disturbe	d or problematic.
Type:			el and assumed liner			Hydri	c Soil Present?	Yes _ ✓ No
Depti	h (inches):		5	_				
Remarks:						•		
he criterion fo	or hydric so	il is met.						

Project/Site: Excelsior		City/County: Byro	n, Genesee County		Sampling Date: 2019-June-20			
Applicant/Owner: Excelsion			State: Ne	ew York	Sampling Point: W-W	SH-08_UPL-1		
Investigator(s): Weston Hillega	s, Isaac Pallant		Section, Township	o, Range:				
Landform (hillslope, terrace, etc.)	: Flat		Local relief (concave, con	vex, none):	Convex	Slope (%): 0 to 1		
Subregion (LRR or MLRA):	RR L		Lat: 43.05716869	68 Long:	-78.0963275582	Datum: WGS84		
Soil Map Unit Name: Lima silt	loam, 3 to 8 percent	slopes (LmB)			NWI classification	n: None		
Are climatic/hydrologic condition	s on the site typical f	for this time of yea	ar? Yes N	o 🟒 (If no	, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology	significantly dis	sturbed? Are "Norn	nal Circums	tances" present?	Yes No _ _/		
Are Vegetation, Soil,	or Hydrology	naturally probl	ematic? (If needed	l, explain an	ny answers in Remarks.)		
SUMMARY OF FINDINGS - A	ttach site map sh	nowing samplir	ng point locations, tra	insects, in	nportant features, o	etc.		
Hydrophytic Vegetation Present	2 Ves	No _ _ _						
Hydric Soil Present?		No _ _ _	Is the Sampled Area with	nin a Watlan	nd? Vas	s No _ ∠ _		
			} ·		iu: ies	NO _ / _		
Wetland Hydrology Present?		No /	If yes, optional Wetland	Site ID:				
Remarks: (Explain alternative pr	ocedures here or in a	a separate report))					
Covertype is UPL. Area is upland	l. not all three wetlar	nd parameters are	e present. Wetter than ave	erage vear.				
covertype is or 2.74 ca is apiane	, not an tinee wedar	ia parameters are	present. Wetter than av	cruge year.				
LIVEROLOCY								
HYDROLOGY								
Wetland Hydrology Indicators:								
	ana is raquirad: sha	ck all that apply)		Socondar	v Indicators (minimum	of two required)		
Primary Indicators (minimum of	one is required, the	ск ан инасарріу)			y Indicators (minimum	or two required)		
Surface Water (A1)	\	Water-Stained Lea	ives (B9)		ce Soil Cracks (B6)			
High Water Table (A2)		Aquatic Fauna (B1	3)		age Patterns (B10)			
Saturation (A3)	^	Marl Deposits (B1	5)		Trim Lines (B16)			
Water Marks (B1)	H	Hydrogen Sulfide	Odor (C1)		eason Water Table (C2)			
Sediment Deposits (B2)	(Oxidized Rhizosph	ospheres on Living Roots (C3) Crayfish Burrows (C8)					
				Satura	ation Visible on Aerial I	magery (C9)		
Drift Deposits (B3)	F	Presence of Reduc	ced Iron (C4)	Stunte	ed or Stressed Plants ([01)		
Algal Mat or Crust (B4)	F	Recent Iron Reduc	tion in Tilled Soils (C6)	Geom	orphic Position (D2)			
Iron Deposits (B5)	1	Thin Muck Surface	e (C7)	Shallo	w Aquitard (D3)			
Inundation Visible on Aerial I	magery (B7) (Other (Explain in F	Remarks)	Micro	topographic Relief (D4)			
Sparsely Vegetated Concave	Surface (B8)			FAC-N	leutral Test (D5)			
Field Observations:								
Surface Water Present?	Yes No	. Denth ((inches):					
		•	·					
Water Table Present?	Yes No /		(inches):	Wetland I	Hydrology Present?	Yes No ∠		
Saturation Present?	Yes No	<u>′</u> Depth ((inches):					
(includes capillary fringe)								
Describe Recorded Data (stream	gauge monitoring	well aerial nhotos	nrevious inspections) if	available.				
Describe Recorded Data (stream	i gauge, monitoring	well, acrial priotos	s, previous irispections, ii	available.				
Remarks:								
	معام ممينين سمامينا الم							
No positive indication of wetland	a nyarology was obs	ervea.						

Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	pecies That	0	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Domin Across All Strata:	ant Species	3	(B)
3					: Th -+		
4				Percent of Dominant Sp Are OBL, FACW, or FAC:	ecies mai	0	(A/B)
5				Prevalence Index works	hoot:		
6.				- Total % Cover of		Multiple	D. a
7.						Multiply	
	0	= Total Cov	/er	- OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)	-	=		FACW species	0	x 2 =	0
4				FAC species	0	x 3 =	0
2.	. ——			FACU species	105	x 4 =	420
3.	·			UPL species	0	x 5 =	0
-				Column Totals	105	(A)	420 (B)
4				Prevalence Inc	dex = B/A =	4	
5				Hydrophytic Vegetation	Indicators:		
6				1- Rapid Test for H		egetation	1
7				2 - Dominance Tes		-8	
	0	_= Total Cov	/er	3 - Prevalence Inde			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological A		(Provide	supporting
1. <i>Poa pratensis</i>	35	Yes	FACU	- data in Remarks or on a			supporting
2. Trifolium repens	30	Yes	FACU	Problematic Hydro			(nlain)
3. <i>Plantago lanceolata</i>	25	Yes	FACU	Indicators of hydric soil	. , .		
4. Taraxacum officinale	15	No	FACU	_ present, unless disturbe		-	gy must be
5.	·			Definitions of Vegetation	-	Tidele	-
6.	·		-	_ Tree – Woody plants 3 ir		moro in	diameter at
7.				breast height (DBH), reg			ulailletei at
8.				Sapling/shrub – Woody			DPU and
9.			-	greater than or equal to			Joi and
				Herb – All herbaceous (r			gardless of
10				size, and woody plants l			garaiess or
11				Woody vines – All woody			28 ft in
12				height.	y viries great	ici tilali 5	.2010111
	105	_= Total Cov	/er		D (2.)	, ,	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation	Present?	res r	NO <u>/</u>
1				_			
2							
3.							
4.							
	0	= Total Cov	/er	=			
B 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Remarks: (Include photo numbers here or on a separa	te sheet.)						
Residential lawn.							

(inch = -	Matrix		Redox			naicator	or confirm the al	oserice of in	dicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0 - 18	10YR 4/3	100		_			Clay Loai	m	
				_					
				_					
				· —					
				_					
				_					
T C = (n DM - Dadwaad		MC -	NA sales al G	Sand Cusine 21	i DI -	Daga Lining M Matrix
	Concentration, D = I Indicators:	Depletio	n, RM = Reduced	Matr	IX, IVIS =	Masked :	sand Grains. ² Lo		Pore Lining, M = Matrix. for Problematic Hydric Soils ³ :
Histoso			Polyvalue Be	ow S	urface (S	8) (LRR R	, MLRA 149B)		luck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su						Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muck			(LRR K, L)	1	5 cm N	lucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Ma						urface (S7) (LRR K, L)
	d Below Dark Surfa	ce (A11						-	ue Below Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted Dar						ark Surface (S9) (LRR K, L) anganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depre	ssion	s (F8)				ont Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)								Spodic (TA6) (MLRA 144A, 145, 149B)
-	Redox (S5)								rent Material (F21)
	d Matrix (S6) Irface (S7) (LRR R, M	II RA 149	9R)					-	nallow Dark Surface (TF12)
									Explain in Remarks)
	of hydrophytic vego Layer (if observed):		and wetland hydr	ology	/ must be	e present	, unless disturbe	d or probler	natic.
	Type:		None			Hvdric 9	Soil Present?		Yes No _✓
	Depth (inches):					,,			
Remarks:									
No positive	indication of hydri	c soils w	as observed.						
10 00011110									

Project/Site: Excelsior	City/County: By	ron, Genesee	Sampling Date	2019-May-30
Applicant/Owner: NextEra		State: NY	Sampling Point:	W-JJB-05; PFO-1
Investigator(s):Jake Brillo, Reb	ecca Cosgrove	Section, Township,	Range:	
Landform (hillslope, terrace, etc.)	: Depression	Local relief (concave, conv	ex, none): Concave	Slope (%): 1-10
Subregion (LRR or MLRA):	RR L	Lat: 43.071887595	6 Long: -78.0561788288	Datum: WGS84
Soil Map Unit Name: Cananda	igua silt loam, 0 to 2 percent slopes		NWI classif	ication: PFO1B
Are climatic/hydrologic conditions	s on the site typical for this time of	year? Yes <u>✓</u> No	(If no, explain in Rema	arks.)
Are Vegetation, Soil,	or Hydrology significantly	disturbed? Are "Norm	al Circumstances" present?	Yes No
Are Vegetation, Soil,	or Hydrology naturally pro	blematic? (If needed,	explain any answers in Ren	narks.)
SUMMARY OF FINDINGS – A	ttach site map showing samp	ling point locations, trai	nsects, important featu	res. etc.
		<u>0 poe rocataono, ara</u>		
Hydrophytic Vegetation Present?	? Yes _ ✓ _ No			
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes/_ No
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-JJB-05
	ocedures here or in a separate repo			
Remarks. (Explain alternative pro	reduces here of in a separate repo	n Cy		
TRC covertype is PFO.				
HYDROLOGY				
HIDROLOGI				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of	one is required; check all that apply	Δ	Secondary Indicators (mini	mum of two required)
•			Surface Soil Cracks (B6)	•
✓ Surface Water (A1)✓ High Water Table (A2)	_ <u>✓</u> Water-Stained L Aquatic Fauna (l		Drainage Patterns (B10	
	•		✓ Moss Trim Lines (B16)	,
✓ Saturation (A3)	Marl Deposits (E		Dry-Season Water Table	e (C2)
Water Marks (B1)	Hydrogen Sulfid	ie Odor (CT)		2 (02)
Sediment Deposits (B2)	Oxidized Rhizos	pheres on Living Roots (C3)	Saturation Visible on A	erial Imagen/ (CQ)
Duift Danasita (D2)	D	l d. l (C.A)		
Drift Deposits (B3)	Presence of Rec		Stunted or Stressed Pla	
Algal Mat or Crust (B4)		luction in Tilled Soils (C6)	Geomorphic Position ([)2)
Iron Deposits (B5)	Thin Muck Surfa	` '	Shallow Aquitard (D3)	
Inundation Visible on Aerial I	· · · · · · · · · · · · · · · · · · ·	n Remarks)	Microtopographic Relie	:f (D4)
Sparsely Vegetated Concave :	Surface (B8)		✓ FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present?	Yes No Dept	th (inches):		
Water Table Present?	Yes No Dept	th (inches):	Wetland Hydrology Presen	nt? Yes No
Saturation Present?		th (inches):		
	Yes No Dept	un (inches).		
(includes capillary fringe)				
Describe Recorded Data (stream	gauge, monitoring well, aerial phot	tos, previous inspections), if	available:	
Remarks:				

Tree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test workshe Number of Dominant Spe		6	(A)
1. Acer rubrum	20	Yes	FAC	Are OBL, FACW, or FAC:			(A)
2. Tilia americana	12	Yes	FACU	Total Number of Domina	nt Species	8	(B)
3. Quercus bicolor	10	Yes	FACW	Across All Strata:			
4. <i>Ulmus americana</i>	5	No	FACW	Percent of Dominant Spe	cies That	75	(A/B)
5. Carya ovata	2	No	FACU	Are OBL, FACW, or FAC:	4 -		
5.				Prevalence Index worksh		N. d detaile le .	D
7.				Total % Cover of		<u>Multiply</u>	•
	49	= Total Cov	er	OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		_		FACW species	57	x 2 =	114
I. Lindera benzoin	22	Yes	FACW	FAC species	43	x 3 =	129
2. Ulmus americana	10	Yes	FACW	FACU species	59	x 4 =	236
3. Carpinus caroliniana	8	Yes	FAC	- UPL species	0	x 5 =	0
l	-			- Column Totals	159	(A)	479 (B)
5.				Prevalence Inde	ex = B/A =	3	
5.				Hydrophytic Vegetation In	ndicators:		
7.				1- Rapid Test for Hy	drophytic \	egetation/	l
··	40	= Total Cov	or	2 - Dominance Test	is >50%		
Herb Stratum (Plot size:5 ft)	40	_ 10tal COV	CI	3 - Prevalence Index	$c \text{ is } \le 3.0^{1}$		
Parthenocissus quinquefolia	45	Yes	FACU	4 - Morphological Ad			supporting
2. Arisaema triphyllum	15	Yes	FAC	- data in Remarks or on a s			
	10	No		- Problematic Hydrop			
3. Carex bromoides		INO	FACW	Indicators of hydric soil a		•	gy must be
4. -				present, unless disturbed	•	matic	
5.				Definitions of Vegetation			
5	- ——			Tree – Woody plants 3 in.			diameter at
7				breast height (DBH), rega		_	
3				Sapling/shrub – Woody p			DBH and
9				greater than or equal to 3			
10				Herb – All herbaceous (no	-		gardless of
11				size, and woody plants le			20 6:
2				Woody vines – All woody height.	vines great	ter than 3	.28 IL III
	70	= Total Cov	er				
At the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the				Hydrophytic Vegetation I	Present? \	Yes <u> </u>	10
<u>voody vine Stratum</u> (Plot size: <u>30 ft</u>)							
1							
Noody Vine Stratum (Plot size: <u>30 ft</u>) 1 2 3.				-			
1				-			

	-	to the c	=			indicato	r or confirm the ab	sence of indicators.)
Depth	Matrix		Redox				- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 2	10YR 2/1	100					Silt Loam	
2 - 14	10YR 5/2	65	7.5YR 4/4	25	C	M	Silty Clay	
2 - 14	10YR 3/1	10					Silty Clay	
		- —						
		- —						
		- —		. —				
¹Type: C = 0	Concentration, D =	Depleti	on, RM = Reduced	d Mat	rix, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:			_				Indicators for Problematic Hydric Soils ³ :
Histoso			Polyvalue Be	low S	urface (S	8) (LRR	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		Thin Dark Su	ırface	(S9) (LRF	R, MLR	A 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muck	-		(LRR K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
_	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
	ed Layers (A5)		Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
	ed Below Dark Surf ark Surface (A12)	ace (AT						Thin Dark Surface (S9) (LRR K, L)
	Mucky Mineral (S1)		Depleted Da Redox Depre			,		Iron-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		Redox Depre	233101	15 (1-0)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent Material (F21)
	u Matrix (36) ırface (S7) (LRR R, I	MI DA 17	IOP)					Very Shallow Dark Surface (TF12)
Dark 30	11 1ace (37) (LKK K, 1	VILIVA 14	190)					Other (Explain in Remarks)
3Indicators	of hydrophytic veg	getation	and wetland hyd	rolog	y must b	e preser	nt, unless disturbed	d or problematic.
Restrictive	Layer (if observed)	:						
	Type:		None			Hydric	Soil Present?	Yes No
	Depth (inches):							
Remarks:								
ı								

Hydrology Photos



Vegetation Photos





Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee County	Sampling Date: 2019-May-28			
Applicant/Owner: NextEra		State: Nev	w York Sa	ampling Point: W-JDV-	-01; UPL-1	
Investigator(s):Jeff Vandeveer, I	BP	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): N	lone	Slope (%): 1-10	
Subregion (LRR or MLRA): LR	RL	Lat: 43.083078	Long: -7	78.0736074 I	Datum: WGS84	
Soil Map Unit Name: Appleton s	silt loam, 0 to 3 percent slopes			NWI classification:		
Are climatic/hydrologic conditions	on the site typical for this time of ye		(If no, e	explain in Remarks.)		
Are Vegetation <u></u> , Soil <u>,</u> ,	or Hydrology significantly dis		al Circumstar	nces" present? Ye	es 🟒 No	
Are Vegetation, Soil,	or Hydrology naturally probl	lematic? (If needed,	explain any a	answers in Remarks.)		
SUMMARY OF FINDINGS – At	tach site map showing samplii	ng point locations, trar	nsects, imp	ortant features, et	tc.	
Hydrophytic Vegetation Present?	Yes No _ ✓ _		<u> </u>			
Hydric Soil Present?	Yes No	Is the Sampled Area withi	in a Wetland?	? Yes	No⁄_	
Wetland Hydrology Present?	Yes No _ _ ∕_	If yes, optional Wetland S		_		
	cedures here or in a separate report		ite ib.			
TRC covertype is UPL. Circumstan	ces are not normal due to agricultur	al activities				
HYDROLOGY Wetland Hydrology Indicators:						
	one is required; check all that apply)		Secondary I	Indicators (minimum o	of two required)	
		(D0)	-	Soil Cracks (B6)	or two required,	
Surface Water (A1) High Water Table (A2)	Water-Stained Lea Aquatic Fauna (B1		· 	e Patterns (B10)		
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)				
- 16 - 10 - 10				on Visible on Aerial Im		
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduce	ced Iron (C4) ction in Tilled Soils (C6)		or Stressed Plants (D1 phic Position (D2))	
Algai Mat of Crust (B4)	Thin Muck Surface			Aquitard (D3)		
Inundation Visible on Aerial Im				pographic Relief (D4)		
Sparsely Vegetated Concave S	· · · · · · · · · · · · · · · · · · ·	•		utral Test (D5)		
Field Observations:						
Surface Water Present?	Yes No _ _/ Depth	(inches):				
Water Table Present?	Yes No _ _/ Depth	(inches):	- Wetland Hy	drology Present?	Yes No ∠	
Saturation Present?		(inches):	-			
(includes capillary fringe)			=			
	gauge, monitoring well, aerial photo	s, previous inspections), if a	available:			
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft)		Species?	Status	Number of Dominant Species Tha	t a	
1.		· · · · · · · · · · · · · · · · · · ·		Are OBL, FACW, or FAC:	0	(A)
2.				Total Number of Dominant Specie	s 3	(D)
3.				Across All Strata:	2	(B)
4.				Percent of Dominant Species That	0	(A /D)
				Are OBL, FACW, or FAC:		(A/B)
5.				Prevalence Index worksheet:		
6.				Total % Cover of:	<u>Multiply</u>	<u>' Ву:</u>
7				OBL species 0	x 1 =	0
	0	_= Total Cove	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1				FACU species 65	x 4 =	260
2				UPL species 0	x 5 =	0
3.				Column Totals 65	_ ^3 . (A)	260 (B)
4.					- '''	200 (В)
5.				Prevalence Index = B/A		
6.				Hydrophytic Vegetation Indicators		
7.				1- Rapid Test for Hydrophytic	: Vegetation	n
		= Total Cove	ar	2 - Dominance Test is > 50%		
Harb Stratum (Plat size) E ft		TOTAL COVE	. 1	3 - Prevalence Index is $\leq 3.0^{\circ}$		
Herb Stratum (Plot size:5 ft)	F0	Vaa	FACIL	4 - Morphological Adaptation	ıs¹ (Provide	supporting
1. Oxalis stricta	50	Yes	FACU	data in Remarks or on a separate	sheet)	
2. <i>Poa pratensis</i>	15	Yes	FACU	Problematic Hydrophytic Veg	getation¹ (E	xplain)
3				Indicators of hydric soil and wetla	nd hydrolc	gy must be
4				present, unless disturbed or prob	ematic	
5				Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm)	or more in	diameter at
7.				breast height (DBH), regardless of		
8.				Sapling/shrub – Woody plants less	than 3 in.	DBH and
9.				greater than or equal to 3.28 ft (1	m) tall.	
10.				Herb – All herbaceous (non-wood	/) plants, re	gardless of
-				size, and woody plants less than 3	.28 ft tall.	
11.				Woody vines – All woody vines gre	ater than 3	3.28 ft in
12		= Total Cove	· · ·	height.		
W 1 15 5 4 491 4 5 20 6 3	65	_ 10tal Cove	: 1	Hydrophytic Vegetation Present?	Yes	No ./
Woody Vine Stratum (Plot size: 30 ft)						
1						
2						
3						
4						
	0	= Total Cove	er			
Remarks: (Include photo numbers here or on a separa	ate sheet)					
remarks. (metade prioto numbers here or on a separt	ate silecti,					

	cription: (Describe	to the de	epth needed to d	ocun	ent the	indicato	r or confirm the al	osence o	f indicators.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0 - 20	10YR 5/4	100					Silty Clay		
				_					
				_					
				_					
				_					
				_			_		
				_					-
				_			-		
 .				. 		 .			
	Concentration, D =	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. ² Lo		PL = Pore Lining, M = Matrix.
Hydric Soil								Indicate	ors for Problematic Hydric Soils³:
Histosol	` '						R, MLRA 149B)	2 cr	n Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		Thin Dark Su	rface	(S9) (LRF	RR, MLR	A 149B)		st Prairie Redox (A16) (LRR K, L, R)
Black Hi	Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L)				L)		n Mucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)								k Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Ma						value Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)			-	n Dark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dar	k Su	face (F7))			n-Manganese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				dmont Floodplain Soils (F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)								
Sandy R	tedox (S5)								sic Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)								Parent Material (F21)
	rface (S7) (LRR R, N	/II RA 149)B)						y Shallow Dark Surface (TF12)
Bank sa	riace (57) (Entrity is		,,,					Oth	er (Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must b	e preser	nt, unless disturbe	d or prob	plematic.
Restrictive I	Layer (if observed):	:							
	Type:		None			Hydric	Soil Present?		Yes No/_
	Depth (inches):			,		-			
Remarks:	Берен (шенез).								-
Nemaiks.									

Vegetation Photos



Soil Photos







Project/Site: Excelsior	City/County: Byro	n, Genesee County	y Sampling Date: 2019-May-28			
Applicant/Owner: NextEra		State: Nev	York Sampling Poin	t: W-JDV-01; UPL-2		
Investigator(s):Jeff Vandeveer,	IBP	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Plain	Local relief (concave, conv	ex, none): Convex	Slope (%): 1-10		
Subregion (LRR or MLRA): LF	RR L	Lat: 43.0846518	Long: -78.0749289	Datum: WGS84		
Soil Map Unit Name: Canandai	gua silt loam, 0 to 2 percent slopes		NWI class	sification:		
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ar? Yes <u>✓</u> No	(If no, explain in Re	marks.)		
Are Vegetation, Soil,	or Hydrology significantly dis		al Circumstances" presen	t? Yes 🟒 No		
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in R	emarks.)		
Summary of Findings – A	ttach site map showing sampliı	ng point locations, trar	sects, important feat	ures, etc.		
Hydrophytic Vegetation Present?	Yes No _ ✓					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No∕_		
		·				
Wetland Hydrology Present?	Yes No _ ∠	If yes, optional Wetland Si	te id:			
Remarks: (Explain alternative pro	ocedures here or in a separate report)				
TRC covertype is UPL. Circumstar	nces are not normal due to agricultur	al activities				
HADBOLOCA						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (m	inimum of two required)		
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (E			
High Water Table (A2)	Aquatic Fauna (B1	3)	Drainage Patterns (B			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)	Crayfish Burrows (C8Saturation Visible on			
Drift Danasits (B2)	Dracance of Dodge	sad Iran (C1)				
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduce	ction in Tilled Soils (C6)	Stunted or Stressed F Geomorphic Position			
Argan Mat of Crust (B4) Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3			
Inundation Visible on Aerial Ir			Microtopographic Re			
Sparsely Vegetated Concave S		,	FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No <u></u> ✓ Depth	(inches):				
Water Table Present?	•	(inches):	Wetland Hydrology Pres	ent? Yes No		
Saturation Present?		·	l l l l l l l l l l l l l l l l l l l			
	Yes No Depth	(inches):				
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring well, aerial photos	s, previous inspections), if a	vailable:			
Remarks:						

	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Specie		1	(4)
45	Yes	FAC	Are OBL, FACW, or FAC:	-	'	(A)
25	Yes	FACU	Total Number of Dominant S	Species	4	(B)
15	No	FACU	Across All Strata:	_		
10	No	FACW		s That	25	(A/B)
				-		
					Multiply I	Bv:
						0
95	= Total Cov	er	FACW species	10	x 2 =	20
			· -		_	150
12	Yes	FACU			_	388
			· -		_	0
			· —		_	558 (B)
					_	336 (b)
					3.0	
					egetation	
12	= Total Cov	er				
	-					
45	Yes	FACU				supporting
		17.00		_		
			_		-	gy must be
			-	•	natic	
			_			
						liameter a
			-			
						BH and
			. ~			
						ardless of
						20 ft :
				ies greate	er than 3.	28 ft in
50	= Total Cov	er				
			Hydrophytic Vegetation Pre	esent? Ye	es N	0
			•			
			•			
	95 12 12 45 5	95 = Total Cov 12 Yes 12 = Total Cov 45 Yes 5 No	95 = Total Cover 12	Are OBL, FACW, or FAC: Prevalence Index worksheet Total % Cover of: OBL species FACW species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species FACU species	Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species OFACW species 10 FAC species 50 FACU species OColumn Totals 157 Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 12	Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply

	cription: (Describe	to the d	•			indicato	r or confirm the	e absence of inc	dicators.)	
Depth	Matrix		Redox				_			
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Text		Remarks	
0 - 3	10YR 3/2	100		_			Clay L	oam		
3 - 20	2.5Y 6/3	100		_			Clay L	oam		
				_						
				_						
				_						
				_						
				_						
				_						
				_						
				_						
1Type: C = 0	Oncentration D =	 Depletic	n RM = Reduced	 Mat	rix MS =	Masked	Sand Grains	²l ocation: Pl =	Pore Lining, M = Matrix.	
Hydric Soil		Depictio	ni, Kivi Kedacea	iviac	112, 1415	Maskea	Sana Grains.		for Problematic Hydric Soils ³ :	
Histoso			Polyvalue Bel	۰،۰۰۰	iurfaca (S	מם ו) (2)	D MIDA 140DV		•	
	oipedon (A2)		Polyvalue Bei						uck (A10) (LRR K, L, MLRA 149B)	
	istic (A3)		Loamy Mucky						rairie Redox (A16) (LRR K, L, R)	
	en Sulfide (A4)		Loamy Gleye			(LIXIX IX,	- ,		ucky Peat or Peat (S3) (LRR K, L, R)	
	d Layers (A5)		Depleted Mat						urface (S7) (LRR K, L)	
	d Below Dark Surf								ue Below Surface (S8) (LRR K, L)	
	ark Surface (A12)		Depleted Dar)			ark Surface (S9) (LRR K, L)	
Sandy N	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				anganese Masses (F12) (LRR K, L, R)	
Sandy C	Gleyed Matrix (S4)								ont Floodplain Soils (F19) (MLRA 149B))
	Redox (S5)								podic (TA6) (MLRA 144A, 145, 149B)	
_	d Matrix (S6)								rent Material (F21)	
	ırface (S7) (LRR R, I	MLRA 14	9B)					-	iallow Dark Surface (TF12)	
									Explain in Remarks)	
	of hydrophytic veg		and wetland hydr	olog	y must b	e preser	nt, unless distur	bed or problem	natic.	
Restrictive	Layer (if observed)	:								
	Type:		None			Hydric	Soil Present?	,	Yes No/_	
	Depth (inches):									
Remarks:										

Vegetation Photos



Soil Photos



Photo of Sample Plot





Applicant/Owner: NextEra State: Ne	Sampling Date: 2019-June-06
	ew York Sampling Point: W-JJB-21; UPL-1
Investigator(s): Jake Brillo, Nick DeJohn Section, Township	o, Range:
Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, con	vex, none): Flat Slope (%): 1-10
Subregion (LRR or MLRA): LRR L Lat: 43.0688535	Long: -78.115612 Datum: WGS84
Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No.	o 🟒 (lf no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Norn	nal Circumstances" present? Yes No 🟒
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed	d, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, tra	nsects, important features, etc.
Hydrophytic Vegetation Present? Yes No/	
Hydric Soil Present? Yes No / Is the Sampled Area with	nin a Wetland? Yes No/_
	Site iD:
Remarks: (Explain alternative procedures here or in a separate report)	
TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than a	average spring
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2) Aquatic Fauna (B13)	Drainage Patterns (B10) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Moss Hill Lines (BTo) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)	6 C. I. B. (60)
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)	FAC-Neutral Test (D5)
Field Observations:	
Field Observations:	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches):	Wetland Hydrology Present? Yes No∠
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches):	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe)	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches):	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe)	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe)	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches): Water Table Present? Yes No _ ✓ Depth (inches): Saturation Present? Yes No _ ✓ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if	

	Absolute	Dominant	Indicator	Dominance Test worksh	oot:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Species?	Status	Number of Dominant Sp			
1.	70 COVC.	эрсскэ.		Are OBL, FACW, or FAC:	recies mac	0	(A)
2.				Total Number of Domina	ant Species		
3.				Across All Strata:	•	2	(B)
4.				Percent of Dominant Sp	ecies That	0	(A /D)
4 5.				Are OBL, FACW, or FAC:			(A/B)
-				Prevalence Index works	neet:		
6.				Total % Cover o	<u>of:</u>	<u>Multiply</u>	<u>By:</u>
7				- OBL species	0	x 1 =	0
	0	_= Total Cov	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species	0	x 3 =	0
1				- FACU species	100	x 4 =	400
·				- UPL species	0	x 5 =	0
3				- Column Totals	100	(A)	400 (B)
4				- Prevalence Inc	lex = B/A =	4	
5				Hydrophytic Vegetation			
6.				1- Rapid Test for H		/ogotation	
7				2 - Dominance Test		egetatioi	ı
	0	= Total Cov	er	$\frac{2 - \text{Dominance rest is } > 30\%}{2 - \text{max}}$ $\frac{3 - \text{Prevalence Index is } \leq 3.0^{1}$			
Herb Stratum (Plot size:5 ft)				4 - Morphological A		(Dravida	cupacting
1. <i>Poa pratensis</i>	55	Yes	FACU	data in Remarks or on a			supporting
2. Ambrosia artemisiifolia	30	Yes	FACU	- Problematic Hydro			vnlain)
3. Plantago major	15	No	FACU	- Indicators of hydric soil			•
4.				_ present, unless disturbe		-	gy must be
5.				Definitions of Vegetation		Tidele	
6.				Tree – Woody plants 3 in		more in	diameter at
7.				breast height (DBH), reg			didifficter de
8.				Sapling/shrub – Woody			DBH and
9.				greater than or equal to			
10.				Herb – All herbaceous (r			gardless of
11.				size, and woody plants l	-		O
				Woody vines - All woody	vines great	er than 3	.28 ft in
12	100	- Total Co		height.			
March Marc Charles (Districts 20 ft)	100	_= Total Cov	er	Hydrophytic Vegetation	Present? \	es l	No 🗸
Woody Vine Stratum (Plot size:30 ft)				.,,,			
1				_			
2.				-			
3.				-			
4				-			
	0	_= Total Cov	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						

	-	to the de	-			indicato	r or confirm the a	absence of indicators.)
Depth _	Matrix		Redox					
(inches)	Color (moist)	<u> %</u>	Color (moist)	<u>%</u>	Type ¹	Loc²	Texture	
0 - 6	10YR 4/4	100		_			Silt Loar	n
				_				
				_				
		· ·		_				
		· ·		_				
		· ·		_				
				_				
				_				
				_				
¹Type: C = C	Concentration, D =	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. 2l	Location: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:				· · · · · ·			Indicators for Problematic Hydric Soils ³ :
Histosol			Polyvalue Bel	ow S	urface (S	8) (LRR	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Sur					2 cff Muck (A10) (LRR K, L, MLRA 1498) Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L)						5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	en Sulfide (A4)		Loamy Gleyed	d Ma	trix (F2)			Dark Surface (S7) (LRR K, L)
Stratifie	d Layers (A5)		Depleted Mat	rix (f	- 3)			Polyvalue Below Surface (S8) (LRR K, L)
Deplete	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)			Thin Dark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dar	k Su	face (F7))		Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)			Piedmont Floodplain Soils (F12) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	tedox (S5)							
Stripped	d Matrix (S6)							Red Parent Material (F21) Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/LRA 149	B)					Other (Explain in Remarks)
								•
			nd wetland hydr	olog	y must b	e preser	nt, unless disturb	ed or problematic.
Restrictive I	Layer (if observed):	:						
	Type:		Rocks			Hydric	Soil Present?	Yes No
	Depth (inches):		6					
Remarks:								

Vegetation Photos



Soil Photos



Photo of Sample Plot



Applicant/Owner: NextEra Investigator(s): Jake Brillo, Isaa Landform (hillslope, terrace, etc. Subregion (LRR or MLRA): L				Date: 2019-June-12		
Landform (hillslope, terrace, etc.		State: NY	Sampling Po	Sampling Point: W-JJB-33; PFO-1		
•	ac Pallant	Section, Township,	Range:			
Subregion (LRR or MLRA):): Depression	Local relief (concave, conv	ex, none): Concave	Slope (%): 1-10		
	.RR L	Lat: 43.055492048	2 Long: -78.089179	1359 Datum: WGS84		
Soil Map Unit Name: Canandi	agua mucky silt loam, 0 to 2 percen	t slopes	NWI cla	assification:		
Are climatic/hydrologic conditior	ns on the site typical for this time of	•	(If no, explain in R	emarks.)		
Are Vegetation, Soil,	or Hydrology significantly		al Circumstances" pres			
Are Vegetation, Soil,	or Hydrology naturally pro	oblematic? (If needed,	explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – A	Attach site map showing samp	oling point locations, trar	nsects, important fe	eatures, etc.		
Hydrophytic Vegetation Present	? Yes 🟒 No					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No		
Wetland Hydrology Present?	Yes ∠ _ No	If yes, optional Wetland S		W-JJB-33		
	 		ite ib.			
Remarks: (Explain alternative pr	ocedures here or in a separate repo	ortj				
TRC covertype is PFO. Circumsta	ances are not normal due to agricult	tural activities, Wetter than av	verage year			
ארטטטו טכע						
HYDROLOGY						
Wetland Hydrology Indicators:						
	one is required; check all that appl	v)	Cocondon, Indicators /			
Primary Indicators (minimum of	one is required, effect all that appl	λη.	•	minimum of two required)		
Primary Indicators (minimum of ✓ Surface Water (A1)	<u>✓</u> Water-Stained I	-	Surface Soil Cracks	(B6)		
•		Leaves (B9)	Surface Soil Cracks Drainage Patterns	(B6) (B10)		
∕ Surface Water (A1)	_∕ Water-Stained I Aquatic Fauna (Marl Deposits (Leaves (B9) (B13) B15)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B	(B6) (B10) 16)		
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	_∕ Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic	Leaves (B9) (B13) B15) de Odor (C1)	Surface Soil CracksDrainage PatternsMoss Trim Lines (BDry-Season Water	(B6) (B10) 16) Table (C2)		
Surface Water (A1) High Water Table (A2) Saturation (A3)	_∕ Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic	Leaves (B9) (B13) B15) de Odor (C1)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (G	(B6) (B10) 16) Table (C2) C8)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) _ Sediment Deposits (B2)	_∕ Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (G Saturation Visible C	6 (B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) — Sediment Deposits (B2) — Drift Deposits (B3)	_⁄ Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Rec	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (Company) Saturation Visible Company	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) — Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4)	Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Rec Recent Iron Rec	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (Castination Visible Castination Visible Castination Visible Castination Stressed Geomorphic Position	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1) on (D2)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) — Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5)	_/ Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Rec Recent Iron Rec Thin Muck Surf	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (C Saturation Visible C Stunted or Stressed Geomorphic Positio Shallow Aquitard (I	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1) on (D2)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) — Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5) — Inundation Visible on Aerial	Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Rec	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (C Saturation Visible C Stunted or Stressec Geomorphic Positic Shallow Aquitard (I Microtopographic I	to (B6) (B10) (B10) (B10) Table (C2) C8) On Aerial Imagery (C9) d Plants (D1) on (D2) D3) Relief (D4)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial ✓ Sparsely Vegetated Concave	Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Recomplete Rec	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (C Saturation Visible C Stunted or Stressed Geomorphic Positio Shallow Aquitard (I	to (B6) (B10) (B10) (B10) Table (C2) C8) On Aerial Imagery (C9) d Plants (D1) on (D2) D3) Relief (D4)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4) _ Iron Deposits (B5) _ Inundation Visible on Aerial ✓ Sparsely Vegetated Concave Field Observations:	Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Rec Recent Iron Rec Thin Muck Surfi Imagery (B7) Other (Explain i Surface (B8)	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (C Saturation Visible C Stunted or Stressec Geomorphic Positic Shallow Aquitard (I Microtopographic I	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1) on (D2) D3) Relief (D4)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave Field Observations: Surface Water Present?		Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7) n Remarks)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (c) Saturation Visible c Stunted or Stressec Geomorphic Positic Shallow Aquitard (I Microtopographic I	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1) on (D2) D3) Relief (D4)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) — Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5) — Inundation Visible on Aerial ✓ Sparsely Vegetated Concave Field Observations: Surface Water Present? Water Table Present?		Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7) n Remarks) oth (inches): 12	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (C Saturation Visible C Stunted or Stressec Geomorphic Positic Shallow Aquitard (I Microtopographic I	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1) on (D2) D3) Relief (D4)		
✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave Field Observations: Surface Water Present?	Water-Stained I Aquatic Fauna (Marl Deposits (Hydrogen Sulfic Oxidized Rhizos Presence of Recognize Recent Iron Recognize Thin Muck Surf. Imagery (B7) Other (Explain is Surface (B8) Yes No Dep	Leaves (B9) (B13) B15) de Odor (C1) spheres on Living Roots (C3) duced Iron (C4) duction in Tilled Soils (C6) ace (C7) n Remarks)	Surface Soil Cracks Drainage Patterns Moss Trim Lines (B Dry-Season Water Crayfish Burrows (c) Saturation Visible c Stunted or Stressec Geomorphic Positic Shallow Aquitard (I Microtopographic I	(B6) (B10) 16) Table (C2) C8) on Aerial Imagery (C9) d Plants (D1) on (D2) D3) Relief (D4)		

Tree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksl Number of Dominant S		4	(A)
1. Acer saccharinum	30	Yes	FACW	Are OBL, FACW, or FAC:			
2. Ulmus americana	25	Yes	FACW	Total Number of Domir	ant Species	5	(B)
3. Rhamnus cathartica	20	Yes	FAC	Across All Strata:			
4.				Percent of Dominant Sp		80	(A/B)
5.				Are OBL, FACW, or FAC:			
6.				Prevalence Index works			_
7.				Total % Cover		Multiply 1	-
	75	= Total Cov	er	OBL species	0	x 1 = _	0
Sapling/Shrub Stratum (Plot size:15 ft)		=		FACW species	55	x 2 =	110
1				FAC species	30	x 3 =	90
2.				FACU species	35	x 4 =	140
				- UPL species	0	x 5 = _	0
3. 4.				- Column Totals	120	(A)	340 (B)
-				Prevalence In	idex = B/A =	2.8	
				Hydrophytic Vegetation	Indicators:		
6.				1- Rapid Test for H	lydrophytic \	/egetation	
7				2 - Dominance Tes	st is >50%		
	0	_= Total Cov	er	3 - Prevalence Ind	ex is ≤ 3.0^{1}		
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological	Adaptations	1 (Provide :	supporting
1. Alliaria petiolata	35	Yes	FACU	data in Remarks or on a			
2				Problematic Hydr	ophytic Vege	tation¹ (Ex	plain)
3				Indicators of hydric so	il and wetlan	d hydrolog	gy must be
4				present, unless disturb		-	
5				Definitions of Vegetation	n Strata:		
6.				Tree – Woody plants 3 i		r more in o	diameter a
7.				breast height (DBH), re			
8.				Sapling/shrub - Woody			BH and
9				greater than or equal to			
40				Herb – All herbaceous (non-woody)	plants, reg	gardless of
11				size, and woody plants			
42				Woody vines - All wood	ly vines great	ter than 3.	28 ft in
12	35	= Total Cov		height.			
MANAGER AND STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CONTRACTOR OF THE STREET CO		_ 10tal COV	21	Hydrophytic Vegetatio	n Present? \	Yes √ N	0
Woody Vine Stratum (Plot size: 30 ft)	40	V	FAC	,,			
1. <i>Vitis riparia</i>	10	Yes	FAC	-			
2				-			
3				-			
4				-			
	10	= Total Cov	er				

	cription: (Describe	to the d	•			indicato	r or confirm the	absence o	f indicators.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%_	Color (moist)	%	Type ¹	Loc ²	Texture	<u>e</u>	Remarks
0 - 10	10YR 2/1	100					Silt Loa	m	
10 - 18	10YR 4/1	95	10YR 5/6	5					
				_					
				_					
				_					
				_			-		
				_					
	-		-	-					
				-					
				_					
							<u> </u>		
		Depletic	n, RIVI = Reduced	wat	rix, ivis =	Masked	Sand Grains.		PL = Pore Lining, M = Matrix.
Hydric Soil								Indicate	ors for Problematic Hydric Soils ³ :
Histoso			Polyvalue Bel					2 cr	n Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su					Coa	st Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LKK K, I	L)	5 cr	n Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) ed Layers (A5)		Loamy Gleye Depleted Ma					Dar	k Surface (S7) (LRR K, L)
	ed Below Dark Surf							Poly	value Below Surface (S8) (LRR K, L)
	ark Surface (A12)	ace (ATT	Depleted Dark			١		Thir	n Dark Surface (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Depre			,			n-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)			55.0.	.5 (. 5)				dmont Floodplain Soils (F19) (MLRA 149B)
	Redox (S5)								sic Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)								Parent Material (F21)
	u Mati IX (30) Irface (S7) (LRR R, N	MIDA 1/1	OR)						y Shallow Dark Surface (TF12)
Dark 30	111ace (37) (LKK K, I	VILION 14	90)					Oth	er (Explain in Remarks)
3Indicators	of hydrophytic veg	getation	and wetland hydr	olog	y must b	e preser	nt, unless distur	bed or prob	olematic.
Restrictive	Layer (if observed)	:							
	Type:		None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:						ı			•

Hydrology Photos



Vegetation Photos





Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Da	Sampling Date: 2019-May-29		
Applicant/Owner: NextEra		State: NY	Sampling Poin	Sampling Point: W-JJB-02; PUB-1		
Investigator(s): Jake Brillo, Reb	oecca Cosgrove	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)): Agricultural Field	Local relief (concave, conv	ex, none): Concave	Slope (%): 0-1		
Subregion (LRR or MLRA): L	LRR L	Lat: 43.070819028	7 Long: -78.04924171	43 Datum: WGS84		
Soil Map Unit Name: Lima silt	loam, 3 to 8 percent slopes		NWI class	sification:		
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ear? Yes 🟒 No	(If no, explain in Re	marks.)		
Are Vegetation <u></u> ✓, Soil <u>✓</u> ,	or Hydrology significantly di	sturbed? Are "Norma	al Circumstances" presen	t? Yes No _ _/		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in R	emarks.)		
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, trar	nsects, important feat	tures, etc.		
Hydrophytic Vegetation Present	:? Yes _ ✓ _ No					
Hydric Soil Present?	Yes _ No	Is the Sampled Area withi	n a Wetland?	Yes/_ No		
_		i				
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	ite iD.	W-JJB-02		
Remarks: (Explain alternative pr	ocedures here or in a separate report	:)				
TRC covertype is PUB. Pond						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	f one is required; check all that apply)			inimum of two required)		
<u> ✓</u> Surface Water (A1)	<u></u> Water-Stained Lea		Surface Soil Cracks (E	·		
High Water Table (A2)	⁄ Aquatic Fauna (B1		Drainage Patterns (B			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16 Dry-Season Water Ta			
Water Marks (B1)	Hydrogen Sulfide		Crayfish Burrows (C8			
Sediment Deposits (B2)	Oxidized knizospi	heres on Living Roots (C3)	Saturation Visible on			
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted or Stressed I			
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position			
Iron Deposits (B5)	Thin Muck Surface		Shallow Aguitard (D3			
✓ Inundation Visible on Aerial			✓ Microtopographic Re			
Sparsely Vegetated Concave			FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present?	Yes 🟒 No Depth	(inches): 24				
Water Table Present?	Yes No Depth	(inches):	Wetland Hydrology Pres	ent? Yes No		
Saturation Present?	Yes _ ✓ _ No Depth	(inches): 0				
(includes capillary fringe)			-			
· , , , , , , , , , , , , , , , , , , ,	n gauge, monitoring well, aerial photo	s provious inspections) if:				
Describe Recorded Data (stream	r gauge, monitoring well, aeriai photo	s, previous irispections), ir a	avallable.			
Remarks:						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
	Cover	Species?	Status	Number of Dominant Species Th	at 0	(A)
1				Are OBL, FACW, or FAC:		
2				Total Number of Dominant Spec	es 0	(B)
3				Across All Strata:	. ——	
4				Percent of Dominant Species Th	ιt	(A/B)
5				Are OBL, FACW, or FAC:		
6.				Prevalence Index worksheet:		_
7.				Total % Cover of:	<u>Multiply</u>	-
	0	= Total Cover		OBL species 0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft_		·		FACW species 0	x 2 =	0
1.	_)			FAC species 0	x 3 =	0
2				FACU species 0	x 4 =	0
2				— UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B//	<u> </u>	
5				Hydrophytic Vegetation Indicato		
6						n
7.				1- Rapid Test for Hydrophy	_	11
	0	= Total Cover		2 - Dominance Test is > 509		
Herb Stratum (Plot size:5 ft)		<u>-</u>		3 - Prevalence Index is ≤ 3.		
1				4 - Morphological Adaptation		supporting
2				— data in Remarks or on a separat		
				_ ✓ Problematic Hydrophytic V		
				Indicators of hydric soil and we		ogy must be
·				present, unless disturbed or pro	olematic	
5.				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm		diameter at
7				breast height (DBH), regardless	_	
8				Sapling/shrub – Woody plants le		DBH and
9				greater than or equal to 3.28 ft (
10				Herb – All herbaceous (non-woo		egardless of
11				size, and woody plants less than		
12.				Woody vines – All woody vines g	eater than 3	3.28 ft in
	0	= Total Cover		height.		
Woody Vine Stratum (Plot size: 30 ft)		-		Hydrophytic Vegetation Present	? Yes	No
1.						
2				_		
3.				-		
·				_		
4				_		
	0	= Total Cover				
Remarks: (Include photo numbers here o	r on a separat	e sheet.)				

	•	o the	•			indicato	r or confirm the	e absence of indicators.)
Depth	Matrix		Redox	Feat	ures			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	e Remarks
-								
		_				· <u></u>		
		- —						
				_				
				-				
		- —		- —				
					-			 ;
		- —						
		- —						
<u>1</u> Type: C = C	Concentration, D = D	eplet	ion, RM = Reduce	d Ma	trix, MS =	Masked	Sand Grains.	² Location: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	low!	Surface (58) (LRR	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		Thin Dark Su					Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Mucl	-		(LRR K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ce (A1						Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da)		Iron-Manganese Masses (F12) (LRR K, L, R)
	fucky Mineral (S1)		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
	ileyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	edox (S5)							Red Parent Material (F21)
	d Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	LRA 1	49B)					✓ Other (Explain in Remarks)
3Indicators	of hydrophytic vege	tation	and wetland hyd	Irolos	v must h	ne preser	nt. unless distur	rbed or problematic.
-	_ayer (if observed):		. a.i.a Wedaila iiye	0.08	5)		it, amess asses	social of problematic
nesa leave i	Type:		None			Hydric	Soil Present?	Yes No
	Depth (inches):		None	-		liyunc	John resent:	163 <u>v</u> 110
D	Deptii (inches).			-				
Remarks:								
Due to inur	idation a clear soil p	rofile	was unohtainahl	e Soi	ls are ass	sumed to	he hydric	
Duc to mar	idation a cicar son p	or ornic	was anobtainabi	c. 50i	is are as	Jannea te	be riyaric.	

Hydrology Photos



Photo of Sample Plot





Project/Site: Excelsior	City/County: Byro	on, Genesee		Sampling Date: 2019	9-June-03		
Applicant/Owner: NextEra		State: NY	Sar	Sampling Point: W-JJB-12; PEM-1			
Investigator(s): Jake Brillo, Nick	< DeJohn	Section, Township,	Range:				
Landform (hillslope, terrace, etc.)): Agricultural Field	Local relief (concave, conv	/ex, none): Co	oncave	Slope (%): 0-1		
Subregion (LRR or MLRA): L	.RR L	Lat: 43.058375129	5 Long: -78	8.0543600396	Datum: WGS84		
Soil Map Unit Name: Lima silt	loam, 0 to 3 percent slopes			NWI classification			
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, ex	plain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstan	ces" present? Y	es No _ _/		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any a	nswers in Remarks.)			
SUMMARY OF FINDINGS - A	Attach site map showing sampli	ng point locations, tra	nsects, impo	ortant features, e	tc.		
Hydrophytic Vegetation Present	? Yes No	1					
Hydric Soil Present?	Yes <u></u> No	Is the Sampled Area with	in a Watland?	Voc	∠_ No		
•		<u>'</u>					
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-JJB	-12		
Remarks: (Explain alternative pro	ocedures here or in a separate report)					
TRC covertype is PEM. Circumsta	ances are not normal due to agricultu	ral activities, Wetter than a	verage year				
LIVEROLOGY							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required; check all that apply)		Secondary In	dicators (minimum o	of two required)		
✓ Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface S	oil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B1		Drainage	Patterns (B10)			
✓ Saturation (A3)	Marl Deposits (B1			Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide	Odor (C1)		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Oxidized Rhizospl	neres on Living Roots (C3)	Crayfish E				
				n Visible on Aerial Im			
Drift Deposits (B3)	Presence of Redu			or Stressed Plants (D´	1)		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		phic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface			hallow Aquitard (D3) ficrotopographic Relief (D4)			
Inundation Visible on Aerial I _ Sparsely Vegetated Concave		Remarks)		eral Test (D5)			
Field Observations:	Surface (B8)			Tai Test (D3)			
Surface Water Present?	Vos. / No. Donth	(inches):					
	·	(inches): 2			.,		
Water Table Present?	Yes _ No Depth	(inches): 0	Wetland Hyd	Irology Present?	Yes No		
Saturation Present?	Yes No Depth	(inches): 0	_				
(includes capillary fringe)							
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), if	available:				
Remarks:							

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test workshe			
	% Cover	Species?	Status	Number of Dominant Sp	ecies inat	2	(A)
1				Are OBL, FACW, or FAC:	Ci		_
2				Total Number of Domina Across All Strata:	int species	2	(B)
3				Percent of Dominant Spe	scies That		
4				- Are OBL, FACW, or FAC:	ecies mat	100	(A/B)
5				Prevalence Index worksh	noot:		
6				- Total % Cover o		Multiply	D. #
7.				- OBL species		Multiply I x 1 =	-
	0	= Total Cov	er		65	_	65
Sapling/Shrub Stratum (Plot size:15 ft)		_		FACW species	0	x 2 = _	0
1				FAC species	8	x 3 =	24
2.				– FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
				Column Totals	73	(A)	89 (B)
4				Prevalence Ind	ex = B/A =	1.2	
5				Hydrophytic Vegetation I	ndicators:		
6				-		egetation	
7				2 - Dominance Test		-Бесанон	
	0	= Total Cov	er	✓ 3 - Prevalence Inde			
Herb Stratum (Plot size:5 ft)				4 - Morphological A		(Provide o	supporting
1. Eleocharis obtusa	45	Yes	OBL	- data in Remarks or on a			supporting
2. Ranunculus sceleratus	15	Yes	OBL	- Laca in Kemarks of on a			nlain)
3. Rumex crispus	8	No	FAC				
4. Typha angustifolia	5	No	OBL	Indicators of hydric soilpresent, unless disturbed		, .	gy must be
5.				·		Hatic	
6.				_ Definitions of Vegetation			
				_ Tree – Woody plants 3 in			liameter at
7				breast height (DBH), rega			DIII
8				Sapling/shrub - Woody p			BH and
9				greater than or equal to			
10				Herb – All herbaceous (n	-		ardiess of
11				size, and woody plants le			20 ft in
12				Woody vines – All woody	vines great	er man 3	28 IL IN
	73	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)				Hydrophytic Vegetation	Present? \	∕es <u> </u>	0
1.							
2.				_			
3.				-			
4.				-			
<u> </u>	0	= Total Cov	or	-			
		_ 10tal COV	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						

	•	to the	•			indicato	r or confirm the at	bsence o	f indicators.)
Depth	Matrix				tures		- .		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0 - 8	2.5Y 3/2	96	7.5YR 4/4	4	C	M/PL	Silty Clay		
				_					
	-								
				_					
				_			-		
							-		-
1Typo: C = 0	Concentration, D =	Doplet	ion PM - Paduca	- M	triv MC	- Mackoo	Sand Grains 21 o	ocation: I	 PL = Pore Lining, M = Matrix.
Hydric Soil		pehier	ion, Rivi – Reduce	u ivic	101 IV, IVID .	IVIUSKEL	Janu Granis, "LC		ors for Problematic Hydric Soils ³ :
Histoso			Pohazduo P	مامىد	Surface	מם ו) (22)	D MIDA 140D)		•
	oipedon (A2)		Polyvalue B Thin Dark S				R, MLRA 149B) 4 149B)		m Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muc						st Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gley	-			L)		n Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted M						k Surface (S7) (LRR K, L)
	d Below Dark Surf	ace (A1						-	value Below Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)	•	Depleted Da	ark S	urface (F	7)			n Dark Surface (S9) (LRR K, L)
Sandy N	Mucky Mineral (S1)		Redox Depr						n-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		•						dmont Floodplain Soils (F19) (MLRA 149B)
_	Redox (S5)								sic Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)								Parent Material (F21)
	ırface (S7) (LRR R, N	ИLRA 1	49B)						y Shallow Dark Surface (TF12)
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,					Oth	er (Explain in Remarks)
			n and wetland hyd	drolo	gy must l	be presei	nt, unless disturbe	d or prob	plematic.
Restrictive	Layer (if observed)	•	Pocks			Uvdric 9	Fail Procent?		Voc. / No
	Type:		Rocks			Hydric	Soil Present?		Yes No
	Depth (inches):		8						
Remarks:									
ı									
ı									
Ì									
l									
Ì									
Ì									

Hydrology Photos



Soil Photos



Photo of Sample Plot





Project/Site: Excelsior	City/County: Byr	on, Genesee County	Sampling Date:	2019-May-28		
Applicant/Owner: NextEra		State: New	York Sampling Point:	W-JDV-01; PEM-1		
Investigator(s): Jeff Vandeveer	, IBP	Section, Township, F	Range:			
Landform (hillslope, terrace, etc.)	: Agricultural Field	Local relief (concave, conve	x, none): Concave	Slope (%):0-1		
<u> </u>	RR L	Lat: 43.0831253	Long: -78.0734438	Datum: WGS84		
Soil Map Unit Name: Appletor				cation: PFO1B		
, ,	ns on the site typical for this time of ye		(If no, explain in Rema			
Are Vegetation <u>✓</u> , Soil,	or Hydrology significantly di		Circumstances" present?	Yes ✓ No		
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? (If needed, e	explain any answers in Rem	arks.)		
CLIMANA DV OF FINIDINGS	Attach cita man chawing campli	ing point logations, trans	sasta impartant faatuu	ena ata		
	Attach site map showing sampli	ing point locations, trans	sects, important reatur	es, etc.		
Hydrophytic Vegetation Present						
Hydric Soil Present?	Yes No	Is the Sampled Area within	a Wetland?	Yes No		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Sit	e ID:	W-JDV-01		
Remarks: (Explain alternative pr	ocedures here or in a separate report	t)				
TRC covertype is PEM. Circumsta	ances are not normal due to agricultu	ıral activities				
HYDROLOGY						
r r r r r r r r r r r r r r r r r r r						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minir	num of two required)		
∕ Surface Water (A1)	Water-Stained Le	aves (DJ)	Surface Soil Cracks (B6)			
<u>✓</u> High Water Table (A2)	⁄ Aquatic Fauna (B´	.3)	Drainage Patterns (B10)			
✓ Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)	(C2)		
Water Marks (B1)	Hydrogen Sulfide	6 (1.1.5 (60)				
Sediment Deposits (B2)	Oxidized Rnizosp	neres on Eiving Roots (es)	✓ Saturation Visible on Ae	rial Imagery (C9)		
Drift Deposits (B3)	Presence of Redu		✓ Stunted or Stressed Pla			
Algal Mat or Crust (B4)			Geomorphic Position (D			
Iron Deposits (B5)	Thin Muck Surfac		Shallow Aquitard (D3)	•		
Inundation Visible on Aerial I	Imagery (B7) Other (Explain in	Remarks)	Microtopographic Relief	(D4)		
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No Depth	i (inches): 3				
Water Table Present?	Yes No Depth	n (inches):	Wetland Hydrology Present	? Yes No		
Saturation Present?	Yes No Depth	(inches): 0				
(includes capillary fringe)						
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), if a	vailable:			
Ponder agriculture field						
Remarks:						
A positive indication of wetland	hydrology was observed (primary and	d secondary indicators were	present).			
	,, (,	1 - 7			

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test works			
1.	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC	•	0	(A)
2.				Total Number of Domi	nant Species	1	(B)
3				Across All Strata: Percent of Dominant S	nacios That		
4.				Are OBL, FACW, or FAC		0	(A/B)
5				Prevalence Index work			
6				Total % Cover		Multiply	<u>By:</u>
7				OBL species	0	x 1 =	0
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x 3 =	0
				FACU species	0	x 4 =	0
2				UPL species	0	x 5 =	0
3				Column Totals	0	(A)	0 (B)
4				Prevalence Ir	ndex = B/A =		
5				Hydrophytic Vegetation			
6.				1- Rapid Test for I		/egetation	
7				2 - Dominance Te		J	
	0	= Total Cove	er	3 - Prevalence Inc	lex is ≤ 3.01		
Herb Stratum (Plot size: <u>5 ft</u>)	-	.,		4 - Morphological	Adaptations	1 (Provide	supporting
1. <i>Glycine max</i>	5	Yes	NI	data in Remarks or on	a separate sh	neet)	
2.				Problematic Hydr	ophytic Vege	tation¹ (Ex	plain)
3.				¹Indicators of hydric so			gy must be
4				present, unless disturb		matic	
5				Definitions of Vegetation			
6.				Tree – Woody plants 3			diameter at
7				breast height (DBH), re	_	_	
8.				Sapling/shrub - Woody			OBH and
9.				greater than or equal t Herb – All herbaceous			tardlace of
10				size, and woody plants			gai uless oi
11				Woody vines – All wood			28 ft in
12				height.	a, 1es 8. ea		20 10
	5	= Total Cove	er	Hydrophytic Vegetation	n Present? \	Yes ./ N	lo
Woody Vine Stratum (Plot size: 30 ft				Trydrophlydd Yegeddio	arr reserie.	105 <u>v</u> 10	
1							
2.							
3.							
4							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a se	parate sheet.)						
Active agricultural field							

Depth _	-	to the d	-			ndicator o	r confirm the al	osence of indicators.)	
	Matrix		Redox						
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0 - 6	10YR 5/2	100					Clay Loan	<u> </u>	
6 - 16	10YR 5/1	92	10YR 5/4	8	C	M	Clay Loan	<u> </u>	
				_					
		-							
				_					
1T C - C		Danlatia	DM - Dadwaad		iv MC =	Maakad C			
	Concentration, D =	Debletic	ori, kivi = keaucea	ıvıat	1 IX, IVIS =	iviasked Si	and Grains. ² L0	ocation: PL = Pore Lining, M = Matrix.	
Hydric Soil			B			0) (155.5		Indicators for Problematic Hydric Soils ³ :	
Histosol			Polyvalue Be					2 cm Muck (A10) (LRR K, L, MLRA 149B)	
	oipedon (A2)		Thin Dark Su				149B)	Coast Prairie Redox (A16) (LRR K, L, R)	
Black Hi			Loamy Muck			(LKK K, L)		5 cm Mucky Peat or Peat (S3) (LRR K, L, R)	
	en Sulfide (A4) d Layers (A5)		Loamy Gleye _ Depleted Ma					Dark Surface (S7) (LRR K, L)	
	d Below Dark Surfa	aca (Δ11						Polyvalue Below Surface (S8) (LRR K, L)	
	ark Surface (A12)	ace (ATT	Depleted Dai					Thin Dark Surface (S9) (LRR K, L)	
	Mucky Mineral (S1)		Redox Depre					Iron-Manganese Masses (F12) (LRR K, L, R)	
	Gleyed Matrix (S4)		Redox Depre	33101	13 (1 0)			Piedmont Floodplain Soils (F19) (MLRA 149B)	
-	ledox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)	
-								Red Parent Material (F21)	
	d Matrix (S6)	AL DA 14	DD)					Very Shallow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, N	ILKA 14	96)					Other (Explain in Remarks)	
	- C	etation	and wetland hydi	rolog	y must be	e present,	unless disturbe	d or problematic.	
3Indicators	ot nyaropnytic veg					ĺ		·	
-									
Restrictive I	Layer (if observed):		None			Hydric S	oil Present?	Yes ./ No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric S	oil Present?	Yes No	
Restrictive I	Layer (if observed):		None	-		Hydric S	oil Present?	Yes/_ No	
Restrictive I	Layer (if observed): Type:		None	<u>-</u>		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	<u>-</u>		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes <u>✓</u> No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes <u>✓</u> No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes <u>✓</u> No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes No	
Restrictive I	Layer (if observed): Type:		None	-		Hydric So	oil Present?	Yes/_ No	

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-June-03			
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-11; UPL-2			
Investigator(s): Jake Brillo, Nick	DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): Flat Slope (%): 0-1			
Subregion (LRR or MLRA): LF	RR L	Lat: 43.074942170	7 Long: -78.0683713966 Datum: WGS84			
Soil Map Unit Name: Palmyra a	and Arkport soils, 15 to 25 percent slo		NWI classification:			
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ar? Yes No	(If no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly dis		al Circumstances" present? Yes No			
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in Remarks.)			
Summary of Findings – A	ttach site map showing sampli	ng point locations, trar	nsects, important features, etc.			
Hydrophytic Vegetation Present?	Yes No _ ✓					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland? Yes No/			
Wetland Hydrology Present?	Yes No _ _	If yes, optional Wetland Si				
		•				
Remarks: (Explain alternative pro	ocedures here or in a separate report)				
TRC covertype is UPL. Circumstar	nces are not normal due to agricultur	al activities, Wetter than av	rerage year			
HYDROLOGY						
TIDROLOGI						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of two required)			
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B1	3)	Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2) Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)	Craynsh Burrows (C8) Saturation Visible on Aerial Imagery (C9)			
Drift Danasits (R3)	Prosonce of Podu	sed Iron (CA)	Stunted or Stressed Plants (D1)			
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduce	ction in Tilled Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)			
Inundation Visible on Aerial Ir			Microtopographic Relief (D4)			
Sparsely Vegetated Concave S		,	FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No <u></u> ✓ Depth	(inches):				
Water Table Present?	•	(inches):	 Wetland Hydrology Present? Yes No/			
Saturation Present?		·	Wedana Hydrology Freschi.			
	Yes No Depth	(inches):				
(includes capillary fringe)			<u> </u>			
Describe Recorded Data (stream	gauge, monitoring well, aerial photos	s, previous inspections), if a	available:			
Remarks:						

<u> </u>				<u> </u>			
Tree Stratum (Plot size:30 ft)		Dominant		Dominance Test workshe			
	% Cover	Species?	Status	Number of Dominant Spe	ecies That	0	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Domina Across All Strata:	nt species	2	(B)
3					sios That		
4				Percent of Dominant SpeAre OBL, FACW, or FAC:	cies mai	0	(A/B)
5				Prevalence Index worksh	oot:		
6				- Total % Cover of		Multiply	Dv.
7.				- OBL species		Multiply x 1 =	
	0	= Total Cov	ver	FACW species	0	-	0
Sapling/Shrub Stratum (Plot size: 15 ft)		_		· —	0	x 2 =	0
1.				FAC species	0	x 3 =	0
2			-	FACU species	80	x 4 =	320
3.				- UPL species	0	x 5 =	0
4.				- Column Totals	80	(A)	320 (B)
5.				Prevalence Ind	ex = B/A =	4	
-				Hydrophytic Vegetation I	ndicators:		
6				1- Rapid Test for Hy	drophytic V	egetation	1
7				2 - Dominance Test		Ü	
	0	_= Total Cov	er er	3 - Prevalence Index	$c \text{ is } \leq 3.0^{1}$		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological A		(Provide	supporting
1. <i>Poa pratensis</i>	50	Yes	FACU	- data in Remarks or on a s			20,000,000
2. <i>Plantago major</i>	30	Yes	FACU	Problematic Hydrog			kplain)
3				- ¹Indicators of hydric soil			•
4.				_ present, unless disturbed		-	8)
5.				Definitions of Vegetation			
6.			-	Tree – Woody plants 3 in.		more in	diameter at
7.				breast height (DBH), rega			didifficter de
8.				Sapling/shrub – Woody p			OBH and
9.				greater than or equal to 3			3BIT UIIU
				Herb – All herbaceous (no			gardless of
10				size, and woody plants le	-		Ba. a.ess e.
11.				Woody vines – All woody			.28 ft in
12				height.			
	80	_= Total Cov	er er	Hydrophytic Vegetation	Drocont? \	/oc N	10 (
Woody Vine Stratum (Plot size: 30 ft)				Trydrophytic vegetation	rieseiit: i	.cs i	NO _ Z _
1				_			
2				_			
3				_			
4				_			
	0	= Total Cov	er er				
Remarks: (Include photo numbers here or on a separate	o choot)	=					
Remarks. (include prioto numbers here or on a separati	e sileet.)						
Active agricultural field							

	cription: (Describe	to the de	-			indicato	r or confirm the al	osence of inc	dicators.)
Depth	Matrix		Redox				- .		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0 - 18	10YR 4/3	100		_			Clay Loar	<u>m</u>	
		· —		_					
		· ·		_					
				_					
				-					
1Tup of C = (Consentration D =	Dopletie	p DM = Doducod	N/a+		Maskad	Cand Crains 21	acation: DI -	- Doro Lining M - Matrix
	Concentration, D =	pehieri0	ii, Kivi – Reduced	ividl	11X, IVIS =	iviaskeu	Janu Graffis. *L(Pore Lining, M = Matrix.
Hydric Soil			Dala I D		6- :-	.0) (1.55	D 141 D4 4 400'	inuicators	for Problematic Hydric Soils³:
Histoso			-				R, MLRA 149B)		luck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su Loamy Muck					Coast P	Prairie Redox (A16) (LRR K, L, R)
	istic (A3) en Sulfide (A4)		Loamy Gleye	•		(LKK K,	L)		lucky Peat or Peat (S3) (LRR K, L, R)
, .	d Layers (A5)		Depleted Ma						urface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11)							ue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	acc (7111)	Depleted Dark)			ark Surface (S9) (LRR K, L)
	Aucky Mineral (S1)		Redox Depre			,		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)			55.0.	.5 (. 5)				ont Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								Spodic (TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)								rent Material (F21)
	u Matrix (30) irface (S7) (LRR R, N	AL DA 140)D)					-	nallow Dark Surface (TF12)
Dark 30	111ace (37) (LKK K, N	ILKA 143	76)					Other (Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydi	olog	y must b	e preser	nt, unless disturbe	d or problen	natic.
Restrictive	Layer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No/_
	Depth (inches):			•					
Remarks:		_				ı			

Vegetation Photos





Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee County	Sampling Date	e: 2019-May-31
Applicant/Owner: NextEra		State: Nev	v York Sampling Point:	W-JDV-13; PEM-1
Investigator(s):Jeff Vandeveer, IBI	P	Section, Township,	Range:	
Landform (hillslope, terrace, etc.):	Swale	Local relief (concave, conv	ex, none): Concave	Slope (%): 1-10
Subregion (LRR or MLRA): LRR	L	Lat: 43.0688276	Long: -78.1083416	Datum: WGS84
Soil Map Unit Name: Appleton sil	t loam, 0 to 3 percent slopes		NWI classi	fication: PEM1Cx
Are climatic/hydrologic conditions o	n the site typical for this time of ye	ear? Yes <u>✓</u> No	(If no, explain in Rem	arks.)
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norma	al Circumstances" present?	Yes _ ✓ No
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Rei	marks.)
SUMMARY OF FINDINGS - Atta	ach site map showing sampli	ng point locations, trar	nsects, important featu	ıres, etc.
Hydrophytic Vegetation Present?	Yes _ ✓ _ No			
Hydric Soil Present?	Yes _ ✓ No	Is the Sampled Area withi	n a Wetland?	Yes∕_ No
		·		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	ITE ID:	W-JDV-13
Remarks: (Explain alternative proce	dures here or in a separate report	·)		
TRC covertype is PEM. Area is wetla	nd, all three wetland parameters a	are present.		
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	e is required; check all that apply)		Secondary Indicators (min	imum of two required)
Surface Water (A1)	Water-Stained Lea	aves (RQ)	Surface Soil Cracks (B6	•
✓ High Water Table (A2)	Aquatic Fauna (B1		✓ Drainage Patterns (B10	•
✓ Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)	
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Tab	le (C2)
Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	Crayfish Burrows (C8)	
			Saturation Visible on A	erial Imagery (C9)
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed Pl	
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	✓ Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)	_
Inundation Visible on Aerial Ima		Remarks)	<u>✓</u> Microtopographic Relie	ef (D4)
Sparsely Vegetated Concave Sur	tace (B8)		✓ FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present?	Yes No <u>✓</u> Depth	(inches):		
Water Table Present?	Yes No Depth	(inches): 4	Wetland Hydrology Prese	nt? Yes No
Saturation Present?	Yes No Depth	(inches): 0		
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monitoring well, aerial photo	s, previous inspections), if a	available:	
2000.000.0000.000	age,ege, aea. pee	s, p. eeusspeed.es,, e		
Remarks:				
Remarks:				
A positive indication of wetland hyd	irology was observed (primary and	l secondary indicators were	e present).	

·	Absolute	Dominant	Indicator	Dominance Test works	heet:		
Tree Stratum (Plot size: 30 ft)		Species?	Status	Number of Dominant S	Species That	4	(4)
1.	-	· · ·		Are OBL, FACW, or FAC	:	1	(A)
2.				Total Number of Domi	nant Species	1	(D)
3.				Across All Strata:			(B)
4.				Percent of Dominant S	•	100	(A/B)
5.				Are OBL, FACW, or FAC			
6.				Prevalence Index work	sheet:		
7.				Total % Cover	of:	Multiply E	<u>By:</u>
/·		= Total Cove	or	- OBL species	0	x 1 =	0
Capling/Chruh Stratum (Diet size) 15 ft		_ 10tal Cov	C1	FACW species	90	x 2 =	180
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x 3 =	0
1.				FACU species	0	x 4 =	0
2.				- UPL species	0	x 5 =	0
3				Column Totals	90	(A)	180 (B)
4				Prevalence Ir	ndex = B/A =	2	
5				Hydrophytic Vegetation			
6				1- Rapid Test for I		/egetation	
7				2 - Dominance Te		regetation	
	0	= Total Cov	er	✓ 3 - Prevalence Inc			
Herb Stratum (Plot size:5 ft)				4 - Morphological		1 (Drovido c	upporting
1. Epilobium hirsutum	90	Yes	FACW	- data in Remarks or on			upporting
2.				- Problematic Hydr			nlain)
3.				- Indicators of hydric so			
4.				_ present, unless disturb			y must be
5.				Definitions of Vegetation	· '	mucic	
6.				Tree – Woody plants 3		r moro in d	iamotor at
7.				breast height (DBH), re			iameter at
8.				Sapling/shrub - Woody			RH and
9.				greater than or equal t			Di i di id
40				Herb – All herbaceous			ardless of
10.				size, and woody plants	-		a. a. c. s
11.				Woody vines - All wood			28 ft in
12				height.	,		
	90	= Total Cove	er	Hydrophytic Vegetation	n Drocont2 \	Voc / N/	2
Woody Vine Stratum (Plot size: 30 ft)				Trydrophytic vegetatio	ii rieseiit:	162 <u>^</u> IV	<i></i>
1				_			
2.				_			
3.				_			
4				_			
	0	= Total Cov	er				
Remarks: (Include photo numbers here or on a sep	arate sheet)						
Remarks. (include prioto numbers here or on a sep	arate sricet.)						
Unable to identify species due to the absence of di	stinguishing ch	naracteristics	s. However,	, due to the presence of w	etland hydro	ology, hydri	c soils, and
the associated vegetative community, this species i					<i>y</i>	<i>55.</i> 5	,

Profile Desc	cription: (Describe to	o the c	lepth needed to d	locun	nent the	indicato	r or confirm the a	bsence of in	dicators.)
Depth	Matrix		Redox						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0 - 14	10YR 4/2	95	10YR 5/4	5	D	M	Silt Loam		
		_		_					
		_		_					
		_		_					
		_		_					
		_		_					
		_		_			-		
		_		_			-		
				_					
				_					_
		_		_			-		
¹Type: C = C	Concentration, D = D	—)enleti	on RM = Reduced	- <u>—</u> I Mat	rix MS =	Masked	Sand Grains 21	ocation: PL :	= Pore Lining, M = Matrix.
Hydric Soil		repieti	on, Kivi Reduced	a iviac	11, 1113	Masked	i Saria Grains.		for Problematic Hydric Soils ³ :
Histosol			Polyvalue Re	low s	Surface (9	S8) (I RR	R, MLRA 149B)		•
	oipedon (A2)		Thin Dark Su						Muck (A10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Muck						Prairie Redox (A16) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gleye						Mucky Peat or Peat (S3) (LRR K, L, R) Surface (S7) (LRR K, L)
Stratifie	d Layers (A5)		_✓ Depleted Ma	atrix (F3)				ilue Below Surface (S8) (LRR K, L)
Deplete	d Below Dark Surfa	ce (A1	1) Redox Dark :	Surfa	ce (F6)			-	eark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da)			langanese Masses (F12) (LRR K, L, R)
_	lucky Mineral (S1)		Redox Depre	essior	ns (F8)				ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	ileyed Matrix (S4)								Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)								arent Material (F21)
Stripped	d Matrix (S6)								hallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	LRA 14	19B)					-	(Explain in Remarks)
3Indicators	of hydrophytic vege	tation	and wetland hyd	rolog	v must h	a nracar	nt unlace dieturha		
•	_ayer (if observed):	tation	and Wetland Hyd	TOTOE	y must b	l l	it, ariiess distarbe	d of proble	matic.
	Type:		None			Hydric	Soil Present?	Vo	es No
	Depth (inches):		None	-		riyunc	Son i resent:	10	.s <u>_v_</u> 140
Remarks:	Depth (inches).	_							
Remarks:									
A positive ir	ndication of hydric s	soil wa	s observed.						
	-								

Vegetation Photos















Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-June-04			
Applicant/Owner: NextEra		State: NY		Sampling Point: W-JJE	3-15; PEM-1	
Investigator(s): Jake Brillo, Nic	k DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, conv	/ex, none):_	Concave	Slope (%): 1-10	
Subregion (LRR or MLRA): L	LRR L	Lat: 43.057256046	55 Long:	-78.0529561153	Datum: WGS84	
Soil Map Unit Name: Hilton lo	am, 0 to 3 percent slopes	-		NWI classificatio	n:	
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ear? Yes No	_ ∠ (If no,	explain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norm	al Circumst	ances" present?	Yes No	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any	y answers in Remarks	.)	
SUMMARY OF FINDINGS - A	Attach site map showing sampli	ng point locations, trai	nsects, im	portant features,	etc.	
Hydrophytic Vegetation Present	:? Yes _ ✓ _ No					
Hydric Soil Present?	Yes _ No	Is the Sampled Area withi	in a Wetland	d? Yes	No	
_		i				
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ib.	<u></u>	B-15	
Remarks: (Explain alternative pr	ocedures here or in a separate report	()				
TRC covertype is PEM. Wetter th	ian average year					
HYDROLOGY						
Wetland Hydrology Indicators:	5 a.a. ia wa muiwa du aha ah a lu all aha a a an lu a		Casamalam	. In diantana (mainima	-£ h	
•	f one is required; check all that apply)		-	Indicators (minimum	oi two requirea)	
✓ Surface Water (A1)	_ <u>✓</u> Water-Stained Lea			e Soil Cracks (B6)		
✓ High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10) Moss Trim Lines (B16)			
✓ Saturation (A3)	Marl Deposits (B1 Hydrogen Sulfide		Dry-Season Water Table (C2)			
Water Marks (B1) Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	C C L D (CO)			
Scamene Deposits (D2)		neres on Eiving Roots (es)		tion Visible on Aerial I	magery (C9)	
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted	d or Stressed Plants ([D1)	
✓ Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		orphic Position (D2)		
<u>✓</u> Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallov	v Aquitard (D3)		
<u> ✓</u> Inundation Visible on Aerial	Imagery (B7) Other (Explain in l	Remarks)	Microto	opographic Relief (D4))	
Sparsely Vegetated Concave	Surface (B8)		<u></u> ✓ FAC-Ne	eutral Test (D5)		
Field Observations:						
Surface Water Present?	Yes _ No Depth	(inches): 3	_			
Water Table Present?	Yes No Depth	(inches):	Wetland H	lydrology Present?	Yes No	
Saturation Present?	Yes No Depth	(inches): 0				
(includes capillary fringe)			-			
	n gauge, monitoring well, aerial photo	s previous inspections) if	available:			
Describe Recorded Bata (stream	Saage, monitoring wen, derial prioto	s, previous inspections,, in	avanabic.			
De me autor						
Remarks:						

'				<u> </u>			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	pecies That	1	(A)
1				Are OBL, FACW, or FAC:	+ Ci		
2				Total Number of Domin Across All Strata:	ant Species	1	(B)
3.				Percent of Dominant Sp	ocios That		
4				Are OBL, FACW, or FAC:	iecies mat	100	(A/B)
5				Prevalence Index works	hoot:		
6				Total % Cover of		Multiply E	Rv.
7.				OBL species	85	x 1 =	95. 85
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)		_		FAC species		_	
1				_	0	x 3 =	0
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
4.				Column Totals	85	(A)	85 (B)
5.	-			Prevalence Inc	dex = B/A =	1	
6.				Hydrophytic Vegetation	Indicators:		
	-			1- Rapid Test for H	ydrophytic V	egetation	
7		Tatal Carr		_ ✓ 2 - Dominance Tes	t is >50%		
	0	= Total Cove	er	3 - Prevalence Inde	ex is ≤ 3.0¹		
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological	Adaptations ¹	(Provide s	upporting
1. <i>Typha angustifolia</i>	85	Yes	OBL	data in Remarks or on a	separate sh	eet)	
2				Problematic Hydro	phytic Vege	tation¹ (Exp	olain)
3				¹Indicators of hydric soi	l and wetlan	d hydrolog	y must be
4				present, unless disturbe	ed or probler	matic	
5				Definitions of Vegetatio	n Strata:		
6				Tree – Woody plants 3 in	n. (7.6 cm) or	more in d	iameter at
7.				breast height (DBH), reg	gardless of h	eight.	
8.				Sapling/shrub - Woody	plants less tl	han 3 in. D	BH and
9.				greater than or equal to	3.28 ft (1 m) tall.	
10.				Herb – All herbaceous (I	non-woody)	plants, reg	ardless of
11.				size, and woody plants l	ess than 3.2	8 ft tall.	
12.				Woody vines - All wood	y vines great	er than 3.2	28 ft in
	85	= Total Cove	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_ Total Cove	-1	Hydrophytic Vegetation	Present?	∕es <u> </u>	0
1.							
2	· ——						
3.							
4							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a separat	te sheet.)			_			

	=	to the	=			indicato	or confirm the al	bsence of indicators.)
Depth _	Matrix		Redox			12	Taratrana	Domonika
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	
0 - 15	10YR 2/2	96	10YR 5/8	4	C	<u>M</u>	Clay Loan	
15 - 19	10Y 5/1	90	10YR 6/8	10	C	M	Silty Clay	у
		- —						
		- —						
		- —						
		- —		- —				
		- —						
¹Type: C = 0	Concentration, D =	Deplet	ion, RM = Reduce	d Mat	rix, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Problematic Hydric Soils ³ :
Histoso							R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark S					Coast Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muc	-		(LRR K, I	_)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gley					Dark Surface (S7) (LRR K, L)
	d Layers (A5) d Below Dark Surfa	aca (A1	Depleted M					Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	ace (A i	Depleted Da)		Thin Dark Surface (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Depr		-	,		Iron-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)				.5 (. 5)			Piedmont Floodplain Soils (F19) (MLRA 149B)
_	Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent Material (F21)
	rface (S7) (LRR R, N	/II RA 1	49R)					Very Shallow Dark Surface (TF12)
Durk Su	mace (37) (Litting in		.52,					Other (Explain in Remarks)
-	of hydrophytic veg		n and wetland hyd	drolog	y must b	e preser	t, unless disturbe	ed or problematic.
Restrictive	Layer (if observed): _							
	Type:		None	-		Hydric	Soil Present?	Yes No
	Depth (inches):							
Remarks:								
i								
Ì								
Ì								

Hydrology Photos



Vegetation Photos





Photo of Sample Plot





Project/Site: Excelsior	City/County: Elba	, Genesee County	Sa	Sampling Date: 2019-June-06		
Applicant/Owner: NextEra		State: Nev	w York Sam	pling Point: W-JJB-2	21; PEM-1	
Investigator(s): Jake Brillo, Nick	DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, conv	/ex, none): Con	ıcave	Slope (%): 1-10	
Subregion (LRR or MLRA): LF	RR L	Lat: 43.0688535	Long: -78.	115612	Datum: WGS84	
Soil Map Unit Name: Wakeville	silt loam			NWI classification:	R4SBCx	
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ar? Yes No	(If no, expl	lain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly dis	sturbed? Are "Norm	al Circumstance	es" present? Ye	es 🟒 No	
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any ans	swers in Remarks.)		
Summary of Findings – A	ttach site map showing samplir	ng point locations, tra	nsects, impor	tant features, et	c.	
Hydrophytic Vegetation Present?	Yes _ ✓ _ No					
Hydric Soil Present?	Yes No	Is the Sampled Area with	in a Wetland?	Yes .	∠_ No	
Wetland Hydrology Present?		If yes, optional Wetland S		W-JJB-		
	Yes _ ✓ No		ite iD.		-21	
Remarks: (Explain alternative pro 	ocedures here or in a separate report))				
TRC covertype is PEM. Wetter tha	an average year					
HYDROLOGY						
Wetland Hydrology Indicators:					c	
Primary Indicators (minimum of	one is required; check all that apply)		-	icators (minimum o	f two required)	
✓ Surface Water (A1)	Water-Stained Lea		Surface Soi			
✓ High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10) Moss Trim Lines (B16)			
✓ Saturation (A3)	Marl Deposits (B1)		Dry-Season Water Table (C2)			
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide	neres on Living Roots (C3)	6 6 1 5 (60)			
Sediment Deposits (B2)	Oxidized Kriizospi	ieres on Living Roots (C3)	-	Visible on Aerial Ima	agery (C9)	
Drift Deposits (B3)	Presence of Reduc	ced Iron (C4)	Stunted or	Stressed Plants (D1)	
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		ic Position (D2)	•	
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aq	uitard (D3)		
Inundation Visible on Aerial Ir	magery (B7) Other (Explain in F	Remarks)	Microtopog	graphic Relief (D4)		
Sparsely Vegetated Concave S	Surface (B8)		<u></u> ✓ FAC-Neutra	al Test (D5)		
Field Observations:						
Surface Water Present?	Yes 🔽 No Depth	(inches): 1	_			
Water Table Present?	Yes No Depth	(inches): 0	Wetland Hydro	ology Present?	Yes No	
Saturation Present?	Yes No Depth	(inches): 0				
(includes capillary fringe)		·	-			
Describe Recorded Data (stream	gauge, monitoring well, aerial photos	s, previous inspections), if	available:		•	
•						
Remarks:						
nemarks.						

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:30 ft)		Species?	Status	Number of Dominant Species That		
1.	70 COVC	эреско.	Julia	Are OBL, FACW, or FAC:	2	(A)
				Total Number of Dominant Species		
2.				Across All Strata:	2	(B)
3.				Percent of Dominant Species That		
4				Are OBL, FACW, or FAC:	100	(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply	B <u>v:</u>
7				OBL species 15	x 1 =	15
	0	_= Total Cove	er	FACW species 45	x 2 =	90
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species 35	x 3 =	105
1				FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3.				Column Totals 95	(A)	210 (B)
4.					-	210 (B)
5.				Prevalence Index = B/A =		
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	Vegetation	
		= Total Cove	-r	✓ 2 - Dominance Test is >50%		
Herb Stratum (Plot size: _ 5 ft)		-		\checkmark 3 - Prevalence Index is ≤ 3.0 ¹		
1. Epilobium hirsutum	45	Yes	FACW	4 - Morphological Adaptations		supporting
2. Equisetum arvense	35	Yes	FAC	data in Remarks or on a separate sl		
3. Cicuta maculata		No No	OBL	Problematic Hydrophytic Vege		•
		INU	OBL	¹Indicators of hydric soil and wetlar		gy must be
4.				present, unless disturbed or proble	matic	
5.				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
7				breast height (DBH), regardless of h	_	
8				Sapling/shrub – Woody plants less t		BH and
9.				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2		20 %:
12				Woody vines – All woody vines grea	iter than 3.	28 π in
	95	= Total Cove	er	height.		
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes 🟒 N	lo
1.						
2.						
3.						
4.						
	0	= Total Cove	er			
		-				
Remarks: (Include photo numbers here or on a separa	ite sheet.)					

-	Matrix	e depth needed to o Redox	r Feature		or or confirm the a	bsence of indicato	ors.)
(inches) Color	(moist) 9	6 Color (moist)	% Ty	pe¹ Loc²	Text	ure	Remarks
0 - 18 10YI	R 3/2 9	4 7.5YR 4/6	6	C M	Silty Cla	y Loam	
		_					
Type: C = Concentra	tion, D = Depl	letion, RM = Reduced	d Matrix,	MS = Masked	Sand Grains. ² L	ocation: PL = Pore	Lining, M = Matrix.
Hydric Soil Indicators	:					Indicators for Pr	roblematic Hydric Soils³:
Thick Dark Surfac Sandy Mucky Min Sandy Gleyed Ma Sandy Redox (S5) Stripped Matrix (S Dark Surface (S7) Bindicators of hydrop Restrictive Layer (if o Type: Depth (in	(A4) A5) Dark Surface (A5) eral (S1) trix (S4) G6) (LRR R, MLRA hytic vegetati	Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma A11)/ Redox Dark Depleted Da Redox Depre	urface (SS sy Minera ed Matrix etrix (F3) Surface (rk Surfac essions (I) (LRR R, MLF I (F1) (LRR K, (F2) F6) e (F7) F8) ust be prese	L)	Coast Prairie 5 cm Mucky Dark Surface Polyvalue Be Thin Dark Su Iron-Mangar Piedmont Flc Mesic Spodic Red Parent N Very Shallow Other (Expla	elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R) oodplain Soils (F19) (MLRA 149B) c (TA6) (MLRA 144A, 145, 149B) Waterial (F21) v Dark Surface (TF12)
Remarks:							

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-May-30				
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-0	7; UPL-1			
Investigator(s): Jake Brillo, Reb	ecca Cosgrove	Section, Township,	Range:				
Landform (hillslope, terrace, etc.)): Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1			
Subregion (LRR or MLRA): L	RR L	Lat: 43.077754634	5 Long: -78.0499703531 D	atum: WGS84			
Soil Map Unit Name: Aurora s	ilt loam, 3 to 8 percent slopes		NWI classification:				
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ear? Yes <u>✓</u> No	(If no, explain in Remarks.)				
Are Vegetation <u></u> ✓, Soil,	or Hydrology significantly di			s No			
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Remarks.)				
SUMMARY OF FINDINGS - A	Attach site map showing sampli	ng point locations, trar	nsects, important features, etc	: .			
Hydrophytic Vegetation Present	:? Yes No _ _ ✓						
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland? Yes	No⁄_			
		·					
Wetland Hydrology Present?	Yes No _ _	If yes, optional Wetland Si	ite ID:				
Remarks: (Explain alternative pr	ocedures here or in a separate report	t)					
TRC covertype is UPL. Circumsta	ances are not normal due to agricultur	ral activities					
LIVEROLOCV							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of	fone is required; check all that apply)		Secondary Indicators (minimum of	two required)			
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6)				
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10)				
Saturation (A3)	Marl Deposits (B1	15)	Moss Trim Lines (B16)				
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)					
	- (5.1		Saturation Visible on Aerial Ima				
Drift Deposits (B3)	Presence of Redu		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)				
 Inundation Visible on Aerial Sparsely Vegetated Concave		Remarks)	 Microtopographic Relief (D4) FAC-Neutral Test (D5)				
Field Observations:	Surface (Bo)		FAC-Neutral Test (D3)				
Surface Water Present?	Vos No / Donth	(inches):					
	·	(inches):	-	. N			
Water Table Present?	·	(inches):	Wetland Hydrology Present?	Yes No			
Saturation Present?	Yes No 🟒 Depth	(inches):	-				
(includes capillary fringe)							
	Yes No _∠ Depth n gauge, monitoring well, aerial photo	(inches):	available:				
Remarks:							

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute %	Dominant	Indicator	Dominance Test worksheet:			
	Cover	Species?	Status	Number of Dominant Species Th	et 0	(A)	
1				Are OBL, FACW, or FAC:			
2				Total Number of Dominant Speci	es o	(B)	
3				Across All Strata:			
۱ ۵				Percent of Dominant Species Tha	t	(A/B)	
5				Are OBL, FACW, or FAC:			
6.				Prevalence Index worksheet:		_	
7.				— <u>Total % Cover of:</u>	Multiply	-	
	0	= Total Cover		OBL species 0	x 1 =	0	
Sapling/Shrub Stratum (Plot size:15 ft_		·		FACW species 0	x 2 =	0	
				FAC species 0	x 3 =	0	
				— FACU species 0	x 4 =	0	
2				— UPL species 0	x 5 =	0	
3				Column Totals 0	(A)	0 (B)	
4				Prevalence Index = B/A	=		
5				Hydrophytic Vegetation Indicator			
6						2	
7.				1- Rapid Test for Hydrophyt	_	11	
	0	= Total Cover		2 - Dominance Test is > 50%			
Herb Stratum (Plot size: 5 ft)		<u>-</u>		3 - Prevalence Index is ≤ 3.0¹			
1				4 - Morphological Adaptations¹ (Provide supporting			
2				— data in Remarks or on a separate			
				Problematic Hydrophytic Vegetation¹ (Explain)			
				1Indicators of hydric soil and wetland hydrology must be			
				present, unless disturbed or problematic			
5.				Definitions of Vegetation Strata:			
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at			
7				breast height (DBH), regardless o	_		
8				Sapling/shrub – Woody plants les		DBH and	
9				greater than or equal to 3.28 ft (1			
10				Herb – All herbaceous (non-wood		egardless of	
11				size, and woody plants less than			
12				Woody vines – All woody vines gr	eater than 3	3.28 ft in	
	0	= Total Cover		height.			
Woody Vine Stratum (Plot size: 30 ft)		-		Hydrophytic Vegetation Present	Yes!	No <u> </u>	
1.							
2.				_			
3.				-			
·				_			
4				_			
	0	= Total Cover					
Remarks: (Include photo numbers here o	r on a separat	e sheet.)					

	cription: (Describe	to the de	•			indicato	r or confirm the	e absence	of indicators.)
Depth	Matrix		Redox						
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0 - 12	10YR 3/3	100		_			Loam		
						·			
				_				,	
				_					
				_					
				_					
				_					
				_					
				_					
				_					
¹Type: C = 0	Concentration, D =	Depletic	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains.		: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indica	tors for Problematic Hydric Soils³:
Histoso	` '		Polyvalue Bel					2	cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Sui						past Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LRR K, I	L)	5 (cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye						ark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mat						olyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surf								in Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)			on-Manganese Masses (F12) (LRR K, L, R)
_	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				edmont Floodplain Soils (F19) (MLRA 149B)
Sandy C	Gleyed Matrix (S4)								esic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								ed Parent Material (F21)
Stripped	d Matrix (S6)								ry Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, I	MLRA 149	9B)						ther (Explain in Remarks)
	61 1 1 1								
	of hydrophytic veg		and wetland hydr	olog	y must b	e preser	it, unless distui	rbed or pro	oblematic.
	Layer (if observed) _):							
	Type:		None			Hydric	Soil Present?		Yes No ✓
	Depth (inches):								
Remarks:									



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling [Date: 2019-June-04		
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-13; UPL-3			
Investigator(s): Jake Brillo, Nick	DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 1-10		
Subregion (LRR or MLRA): LF	RR L	Lat: 43.060568925	Long: -78.0520183	035 Datum: WGS84		
Soil Map Unit Name: Lima silt l	oam, 0 to 3 percent slopes		NWI cla	assification:		
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, explain in Re	emarks.)		
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" prese	ent? Yes 🟒 No		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – A	ttach site map showing sampli	ng point locations, trar	nsects, important fe	atures, etc.		
Hydrophytic Vegetation Present?			<u> </u>			
Hydric Soil Present?	Yes No _ _ _	Is the Sampled Area within	n a Wetland?	Yes No		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:			
	ocedures here or in a separate report					
TRC covertype is UPL. Circumstar	nces are not normal due to agricultur	ral activities, Wetter than av	rerage year			
HYDROLOGY Wetland Hydrology Indicators:						
	one is required; check all that apply)		Secondary Indicators (minimum of two required)		
		ayos (DO)	Surface Soil Cracks (B6)			
Surface Water (A1) High Water Table (A2)	Water-Stained Lea Aquatic Fauna (B1		Drainage Patterns (
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Oxidized Rhizospl	heres on Living Roots (C3)				
			Saturation Visible o			
Drift Deposits (B3)	Presence of Redu		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent from Reduction Thin Muck Surface	ction in Tilled Soils (C6)	Geomorphic Position (D2) Shallow Aquitard (D3)			
Inundation Visible on Aerial Ir			Microtopographic Relief (D4)			
Sparsely Vegetated Concave S	· · · · · · · · · · · · · · · · · · ·	,	FAC-Neutral Test (D			
Field Observations:						
Surface Water Present?	Yes No Depth	(inches):				
Water Table Present?		(inches):	Wetland Hydrology Pro	esent? Yes No		
Saturation Present?		(inches):	,			
(includes capillary fringe)	.eses					
	gauge, monitoring well, aerial photo	s provious inspections) if	vailable:			
Describe Recorded Data (stream	gauge, monitoring well, aeriai prioto	s, previous inspections), ii a	avallable.			
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Species?	Status	Number of Dominant Species That	_	
1.	-	·- <u>'</u>		Are OBL, FACW, or FAC:	0	(A)
2.				Total Number of Dominant Species	,	(D)
3.				Across All Strata:	2	(B)
4.	· ·			Percent of Dominant Species That	0	(A /D)
-	· ——			Are OBL, FACW, or FAC:		(A/B)
5.				Prevalence Index worksheet:		
6.	·			Total % Cover of:	<u>Multiply</u>	<u>By:</u>
7				OBL species 0	x 1 =	0
	0	_= Total Cove	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1				FACU species 140	x 4 =	560
2				UPL species 0	x 5 =	0
3.				Column Totals 140	(A)	560 (B)
4				Prevalence Index = B/A =		300 (B)
5						
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	Vegetation	ו
	0	= Total Cove	er	2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)		_		3 - Prevalence Index is ≤ 3.0¹		_
1. Dactylis glomerata	80	Yes	FACU	4 - Morphological Adaptation		supporting
Medicago lupulina	60	Yes	FACU	data in Remarks or on a separate s		
3.				Problematic Hydrophytic Veg		
4.				¹Indicators of hydric soil and wetla	-	gy must be
5.	· ——			present, unless disturbed or proble	ematic	
6.				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm)		diameter at
7				breast height (DBH), regardless of	_	
8.				Sapling/shrub – Woody plants less		DBH and
9				greater than or equal to 3.28 ft (1 r Herb – All herbaceous (non-woody		
10				size, and woody plants less than 3.		gardiess of
11	<u> </u>			Woody vines – All woody vines gre		20 ft in
12				height.	כ וומוו	5.20 IC III
	140	= Total Cove	er			
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes I	No <u>/</u>
1						
2						
3.						
4.						
	0	= Total Cove	er			
Demonstrat (In all ode inhate in one have have an an experience		_				
Remarks: (Include photo numbers here or on a separa	te sneet.)					

Depth (inches) 0 - 12	Matrix Color (moist) 10YR 3/4	% 100	Redox Color (moist)		Type ¹	Loc ²	- .	
			Color (moist)	<u>%</u>	Type			
0 - 12	10YR 3/4	100				LUC	Texture	Remarks
				-			Silt Loam	
				_				
	_	· ·						
				_				
				_				
				· —				
1Trunor C = C	ncontration D = [p DM = Doducod		iv MC =	Maskad	Cand Crains 21 a	estion DI - Dero Lining M - Matrix
	oncentration, D = [Jepietio	n, Rivi – Reduced	Mati	IX, IVIS –	Maskeu	Saliu Grailis. *LC	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil II						a == =		Indicators for Problematic Hydric Soils ³ :
Histosol							R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pedon (A2)		Thin Dark Su					Coast Prairie Redox (A16) (LRR K, L, R)
Black His	n Sulfide (A4)		Loamy Mucky Loamy Gleye			(LKK K, L	-)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
, .	Layers (A5)		Depleted Ma					Dark Surface (S7) (LRR K, L)
	Below Dark Surfa	ce (Δ11)						Polyvalue Below Surface (S8) (LRR K, L)
'	rk Surface (A12)	(/ (/ / / /	Depleted Dar					Thin Dark Surface (S9) (LRR K, L)
	ucky Mineral (S1)		Redox Depre					Iron-Manganese Masses (F12) (LRR K, L, R)
	eyed Matrix (S4)			55.5.	5 (. 5)			Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Re	•							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	Matrix (S6)							Red Parent Material (F21)
	face (S7) (LRR R, M	II DA 140	ופו					Very Shallow Dark Surface (TF12)
Dark Sur	iace (37) (LKK K, IVI	ILKA 145	, Б)					Other (Explain in Remarks)
3Indicators c	f hydrophytic vege	etation a	and wetland hydr	ology	/ must be	e presen	t, unless disturbed	d or problematic.
Restrictive L	ayer (if observed):							
7	ype:		Rocks			Hydric	Soil Present?	Yes No <u>_</u> ✓
[Depth (inches):		12					
Remarks:								

Photo of Sample Plot



Project/Site: Excelsior		City/County: Byre	on, Genesee	Sampling Date:	2019-June-07
Applicant/Owner: NextEra			State: NY	Sampling Point: V	V-JJB-23; UPL-2
Investigator(s): Jake Brillo, Nic	k DeJohn		Section, Township,	Range:	
Landform (hillslope, terrace, etc.): Agricultural Fi	eld	Local relief (concave, conv	rex, none): Flat	Slope (%): 1-10
Subregion (LRR or MLRA):	LRR L		Lat: 43.073613974	3 Long: -78.0775650033	Datum: WGS84
Soil Map Unit Name: Appleto	n silt loam, 0 to 3 per	cent slopes		NWI classifica	
Are climatic/hydrologic condition		-		(If no, explain in Remark	s.)
Are Vegetation, Soil,	or Hydrology	significantly di	sturbed? Are "Norm	al Circumstances" present?	Yes No _ _
Are Vegetation, Soil,	or Hydrology	naturally prob	lematic? (If needed,	explain any answers in Rema	rks.)
SUMMARY OF FINDINGS - A	Attach site map sl	howing sampli	ng point locations, trai	nsects, important feature	es, etc.
Hydrophytic Vegetation Present	r? Yes	No			
Hydric Soil Present?		No	Is the Sampled Area withi	n a Wetland?	Yes No/_
			·		163110
Wetland Hydrology Present?	Yes	No / _	If yes, optional Wetland S	te ID:	
Remarks: (Explain alternative p	ocedures here or in	a separate report	t)		
TRC covertype is UPL. Circumsta	ances are not norma	l due to agricultui	ral activities. Wetter than a	verage vear	
The covertype is of E. circuitisa	ances are not norma	rade to agricultar	raractivities, wetter than a	verage year	
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum o	one is required; che	ck all that apply)		Secondary Indicators (minim	ium of two required)
Surface Water (A1)		Water-Stained Le		✓ Surface Soil Cracks (B6)	
High Water Table (A2)		Aquatic Fauna (B		Drainage Patterns (B10)	
Saturation (A3)		Marl Deposits (B1		Moss Trim Lines (B16)	(C2)
Water Marks (B1)		Hydrogen Sulfide		Dry-Season Water Table (Crayfish Burrows (C8)	(C2)
Sediment Deposits (B2)		Oxidized Rhizosp	heres on Living Roots (C3)	Saturation Visible on Aer	ial Imagen/(C9)
Drift Danasits (D2)		Drosopso of Dodu	used Iron (CA)	Stunted or Stressed Plan	
Drift Deposits (B3) Algal Mat or Crust (B4)		Presence of Redu	ction in Tilled Soils (C6)	Geomorphic Position (D2	• •
Algal Mat of Crust (B4) Iron Deposits (B5)		Thin Muck Surfac	` '	Shallow Aquitard (D3)	-)
Inundation Visible on Aerial		Other (Explain in		Microtopographic Relief	(D4)
Sparsely Vegetated Concave		Other (Explain in	Remarksy	FAC-Neutral Test (D5)	(04)
Field Observations:	Surface (BO)				
Surface Water Present?	Yes No	/ Denth	(inches):		
		•		-[
Water Table Present?	Yes No		(inches):	Wetland Hydrology Present?	Yes No
Saturation Present?	Yes No	<u>/</u> Depth	(inches):	_	
(includes capillary fringe)					
Describe Recorded Data (strear	n gauge, monitoring	well, aerial photo	s, previous inspections), if	available:	<u> </u>
		•			
Remarks:					
Reilidiks.					
One (1) secondary indicator was	s present, surface cra	acks may he from	fact spring was so wet as	versus typical conditions. No	other hydrolov signs
assume no wetland hydrology p	•	may be nom	3511118 4443 30 4464, 43	. c. sas cypical conditions. No	5 11yan 010y 51g113
and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t					

	Absolute %	Dominant	Indicator	Dominance Test worksh	eet.		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Sp			
1		эресісэ.	Status	Are OBL, FACW, or FAC:	recies inde	0	(A)
1 2.	· ·			Total Number of Domina	ant Species		
	· 			Across All Strata:		0	(B)
3.				Percent of Dominant Sp	ecies That		
4.				Are OBL, FACW, or FAC:			(A/B)
5.				Prevalence Index worksl	neet:		
6	· 			Total % Cover o	<u>of:</u>	Multiply	By:
7	· 			OBL species	0	x 1 =	0
		= Total Cover		FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_			FAC species	0	x 3 =	0
1				FACU species	0	x 4 =	0
2				— UPL species	0	x 5 =	0
3.				— Column Totals	0	(A)	0 (B)
4				Prevalence Inc		-	0 (5)
5							
6							
7.						egetation	
	0	= Total Cover					
Herb Stratum (Plot size:5 ft)						(D	
				-			supporting
5. Hydrophytic Vegetation Indicators: 7. 1- Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0¹ 4 - Morphological Adaptations¹ (Provide sup	(مندام)						
				-			
	· 			_		-	gy must be
				- I 	-	Hatic	
	·			_		more in	diameter at
							ulameter at
	· 						OBH and
-	· ·						DDIT GITG
							pardless of
							5
	· 			Woody vines - All woody			.28 ft in
12				height.			
		= Total Cover		Hydrophytic Vegetation	Present? V	'es N	lo /
Woody Vine Stratum (Plot size: 30 ft				Trydrophydic Vegetation	Tresent.		<u>v</u> _
1.				_			
2				_			
3	· 			_			
4				_			
	0	= Total Cover					
Remarks: (Include photo numbers here o	or on a separato	e sheet.)					
Active agricultural field							

	-	oe to the c	-			ndicato	r or confirm the al	osence of indicators.)
Depth _	Matrix		Redox Fe					
(inches) 0 - 8	7.5YR 3/2	100	Color (moist)	<u> %</u>	Type ¹	Loc ²	Texture Loam	Remarks
¹Tvne· C =	Concentration D	= Denleti	on, RM = Reduced N		MS = 1	Masked	Sand Grains 21	ocation: PL = Pore Lining, M = Matrix.
	I Indicators:	Depieti	on, Kwi Kedaced P	· / u (1 1/	V, 1413 - 1	· iuskeu	. Jana GranisLi	Indicators for Problematic Hydric Soils ³ :
Histos			Polyvalue Belo	w Sui	rface (S8	3) (LRR	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic I	Epipedon (A2)		Thin Dark Surf	ace (S	9) (LRR	R, MLR	A 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
	Histic (A3)		Loamy Mucky			LRR K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
-	gen Sulfide (A4)		Loamy Gleyed					Dark Surface (S7) (LRR K, L)
	ed Layers (A5)	urfaco (A1:	Depleted Matr 1) Redox Dark Su	•	•			Polyvalue Below Surface (S8) (LRR K, L)
	Dark Surface (A12		Depleted Dark					Thin Dark Surface (S9) (LRR K, L)
	Mucky Mineral (S		Redox Depress					Iron-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4				()			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)	•,						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_	ed Matrix (S6)							Red Parent Material (F21)
	Surface (S7) (LRR F	R, MLRA 14	19B)					Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
			and wetland hydro	logy	must be	preser	nt, unless disturbe	d or problematic.
	Layer (if observe		- (l			L to color	- C-!! D	Wes No. 4
	Type: Depth (inches):	nardpa	n/rock enountered 10	_		Hyarı	c Soil Present?	Yes No _ ∠ _
Remarks:	Depth (inches).		10					
Remarks.								

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2	.019-June-10
Applicant/Owner: NextEra		State: NY	Sampling Point: W-	JJB-25; UPL-1
Investigator(s): _ Jake Brillo, Isaac	Pallant	Section, Township,	Range:	
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1
Subregion (LRR or MLRA): LR	R L	Lat: 43.064086516	4 Long: -78.0801556819	Datum: WGS84
Soil Map Unit Name: Ovid silt lo	am, 3 to 8 percent slopes		NWI classificat	ion:
Are climatic/hydrologic conditions	on the site typical for this time of ye	ar? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil,	or Hydrology significantly dis	sturbed? Are "Norm	al Circumstances" present?	Yes No _ _ /_
Are Vegetation, Soil,	or Hydrology naturally probl	lematic? (If needed,	explain any answers in Remarl	ks.)
CLINANA A DV OF FINIDINGS A				
Hydrophytic Vegetation Present?	tach site map showing sampling	ng point locations, trai	isects, important reatures	s, etc.
		 	M4	/ N- /
Hydric Soil Present?	Yes No	Is the Sampled Area withi		′es No _ _ ∠
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:	
TRC covertype is UPL. Circumstan	ices are not normal due to agricultur	al activities, Wetter than a	verage year	
HYDROLOGY Wetland Hydrology Indicators:				
Primary Indicators (minimum of c	one is required; check all that apply)		Secondary Indicators (minimu	ım of two required)
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6)	•
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10)	
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)	
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C	(2)
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)	Crayfish Burrows (C8)	l Imagany (CO)
Duift Danasita (D2)	Dunnan of Dady	and Ivan (CA)	Saturation Visible on Aeria	
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Redu	ced fron (C4) ction in Tilled Soils (C6)	Stunted or Stressed PlantsGeomorphic Position (D2)	(101)
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)	
Inundation Visible on Aerial In			Microtopographic Relief (D	04)
Sparsely Vegetated Concave S			FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present?	Yes No _ _/ Depth	(inches):		
Water Table Present?	Yes No 🟒 Depth	(inches):	Wetland Hydrology Present?	Yes No _ _ ∠
Saturation Present?		(inches):		
(includes capillary fringe)			•	
	gauge, monitoring well, aerial photo	s, previous inspections), if	available:	
Remarks:				
Tierra is				

Tree Stratum (Plot size:30 ft)	Absolute	Dominant	Indicator	Dominance Test works	heet:		
1.	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC		0	(A)
2.				Total Number of Domi		1	(D)
3.				Across All Strata:			(B)
4.				Percent of Dominant S	•	0	(A/B)
5.				Are OBL, FACW, or FAC			
6.				Prevalence Index work			
7.				<u>Total % Cover</u>	of:	Multiply	-
	0	= Total Cove	er	OBL species	0	x 1 = _	0
Sapling/Shrub Stratum (Plot size:15 ft)		-		FACW species	0	x 2 =	0
1				FAC species	0	x 3 =	0
2.				FACU species	0	x 4 =	0
3.				UPL species	25	x 5 =	125
				Column Totals	25	(A)	125 (B)
4				Prevalence Ir	ndex = B/A =	5	
5.				Hydrophytic Vegetation	n Indicators:		
6.				1- Rapid Test for I		egetation	
7				2 - Dominance Te			
	0	= Total Cove	er	3 - Prevalence Inc	lex is ≤ 3.01		
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological	Adaptations ¹	(Provide	supporting
1. Zea mays	25	Yes	UPL	data in Remarks or on			11 0
2				Problematic Hydr	ophytic Vege	tation¹ (Ex	plain)
3				¹Indicators of hydric so	il and wetlan	d hydrolog	gy must be
4				present, unless disturb	ed or probler	matic	
5				Definitions of Vegetation	on Strata:		
6				Tree – Woody plants 3	in. (7.6 cm) or	more in o	diameter at
7.				breast height (DBH), re			
8.				Sapling/shrub - Woody	plants less t	han 3 in. D	BH and
9.				greater than or equal t	o 3.28 ft (1 m) tall.	
10.				Herb – All herbaceous	(non-woody)	plants, reg	gardless of
11.				size, and woody plants	less than 3.2	8 ft tall.	
12.				Woody vines – All wood	dy vines great	er than 3.	28 ft in
	25	= Total Cove	er	height.			
Woody Vine Stratum (Plot size:30 ft)		-		Hydrophytic Vegetation	n Present? \	/es N	lo <u> </u>
1.							
2.							
3.							
4.							
4.		- Total Cov					
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a separa	te sheet.)						
Active agricultural field							

Profile Desc Depth	cription: (Describe Matrix	to the	depth needed to d Redox			indicato	r or confirm the	e absence of indicators.)
_		04				Loc2	Touture	e Remarks
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	e Remarks
0 - 10	10YR 3/4			- —				
				_				
				_				
				_				
				_	-			
				-				· ·
						 .		
		Deplet	ion, RM = Reduced	Mat	rıx, MS =	Masked	Sand Grains.	² Location: PL = Pore Lining, M = Matrix.
Hydric Soil								Indicators for Problematic Hydric Soils ³ :
Histosol	. ,		Polyvalue Be		-			2 cm Muck (A10) (LRR K, L, MLRA 149B)
-	oipedon (A2)		Thin Dark Su					Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck			(LRR K, I	_)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
		ace (A1	1) Redox Dark S					Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da)		Iron-Manganese Masses (F12) (LRR K, L, R)
-	lucky Mineral (S1)		Redox Depre	essior	1S (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	ledox (S5)							Red Parent Material (F21)
Stripped	d Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 1	49B)					Other (Explain in Remarks)
21	a £ la , , al u a ua la , ua; a , , a a	4 . 4:						
-			i and wettand nyd	rolog	y must b	e preser	it, uniess distur	rbed or problematic.
	Layer (if observed) –					l		
	Type:	rc	ck encountered	-		Hydric	Soil Present?	Yes No <u>_</u>
	Depth (inches):		10					
Remarks:								

Vegetation Photos



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee County	9	Sampling Date: 2019	9-May-28	
Applicant/Owner: NextEra		State: Nev	w York Sar	mpling Point: W-JDV	-02; UPL-1	
Investigator(s): Jeff Vandeveer,	, IBP	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Agricultural Field	Local relief (concave, conv	ex, none): No	one	Slope (%): 1-10	
Subregion (LRR or MLRA): L	RR L	Lat: 43.0804538	Long: -78	8.0732487	Datum: WGS84	
Soil Map Unit Name: Hilton loa	am, 3 to 8 percent slopes			NWI classification:		
Are climatic/hydrologic condition	is on the site typical for this time of ye	ear? Yes 🔽 No	(If no, e	xplain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstan	•	es No	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any a	nswers in Remarks.)		
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, trai	nsects, impo	ortant features, et	tc.	
Hydrophytic Vegetation Present	? Yes No _ _/ _					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	in a Wetland?	Yes	No	
		·		-		
Wetland Hydrology Present?	Yes No _ _	If yes, optional Wetland S	ite iD:	<u> </u>		
Remarks: (Explain alternative pro	ocedures here or in a separate report	()				
TRC covertype is UPL. Circumsta	inces are not normal due to agricultur	ral activities				
• •	•					
HYDROLOGY						
Wetland Hydrology Indicators:						
	one is required; check all that apply)		Secondary In	dicators (minimum c	of two required)	
Surface Water (A1)	Water-Stained Lea	aves (R9)	-	oil Cracks (B6)	•	
High Water Table (A2)	Aquatic Fauna (B1		Drainage	Patterns (B10)		
Saturation (A3)	Marl Deposits (B1		Moss Trin	n Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide		Dry-Seaso	eason Water Table (C2)		
Sediment Deposits (B2)		heres on Living Roots (C3)	-	ish Burrows (C8)		
			Saturatio	n Visible on Aerial Im	agery (C9)	
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted o	or Stressed Plants (D1	1)	
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		hic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface		Shallow A			
Inundation Visible on Aerial I		Remarks)	-	ographic Relief (D4)		
Sparsely Vegetated Concave	Surface (B8)		FAC-Neut	ral Test (D5)		
Field Observations:						
Surface Water Present?	Yes No Depth	(inches):	_			
Water Table Present?	Yes No Depth	(inches):	Wetland Hyd	Irology Present?	Yes No ∠	
Saturation Present?	Yes No/ Depth	(inches):				
(includes capillary fringe)						
	n gauge, monitoring well, aerial photo	s previous inspections) if	available:			
Describe Recorded Data (Stream	r gauge, mornitoring well, aeriai photo	s, previous irispections), ir	avaliable.			
Remarks:						

Tree Stratum (Plot size:30 ft)		Dominant		Dominance Test worksheet:		
1.	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
2.				Total Number of Dominant Species	2	(B)
3.				Across All Strata:		
4.				Percent of Dominant Species That Are OBL, FACW, or FAC:	0	(A/B)
5			_	Prevalence Index worksheet:		
6				- Total % Cover of:	Multiply	Bv:
7				- OBL species 0	x 1 =	0
	0	= Total Cov	/er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1.				FACU species 60	x 4 =	240
2.				- UPL species 0	x 5 =	0
3.				- Column Totals 60	(A)	240 (B)
4.				Prevalence Index = B/A =	4	
5				Hydrophytic Vegetation Indicators:	-	
6.				1- Rapid Test for Hydrophytic	/egetatior	1
7				2 - Dominance Test is > 50%	_	
	0	= Total Cov	/er	3 - Prevalence Index is $\leq 3.0^{1}$		
Herb Stratum (Plot size: 5 ft)	45	V	FACIL	4 - Morphological Adaptations	¹ (Provide	supporting
1. Galium divaricatum	45	Yes	FACU	data in Remarks or on a separate sl	neet)	
2. Dactylis glomerata	15	Yes	FACU	Problematic Hydrophytic Vege		•
3. <i>Glycine max</i>	10	No	NI	Indicators of hydric soil and wetlar		gy must be
5.				present, unless disturbed or proble	matic	
				_ Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
7 8.				 breast height (DBH), regardless of h Sapling/shrub - Woody plants less t 		DPL and
9.				greater than or equal to 3.28 ft (1 m		Juli aliu
10.			-	Herb – All herbaceous (non-woody)		gardless of
11.				size, and woody plants less than 3.2		0
12.				Woody vines – All woody vines grea	ter than 3	.28 ft in
12.	70	= Total Cov	/er	height.		
Woody Vine Stratum (Plot size:30 ft)			761	Hydrophytic Vegetation Present?	Yes N	No <u> </u>
1.						
2.				-		
3.				-		
4.				-		
	0	= Total Cov	/er	-		
		=				
Remarks: (Include photo numbers here or on a separat	e sneet.)					

	cription: (Describe	to the d	•			indicato	r or confirm the	absence of	findica	itors.)	
Depth	Matrix		Redox				_				
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Textur			Remarks	
0 - 13	10YR 3/2	100		_			Silty Cla				
13 - 13	10YR 4/3			_			Silty Cla	ay			
				_							
				_							
				_							
						·					
				_							
				_		-			-		
				_			-				
				_							
				_			-				
1Typo: C = 0	Concentration D =	Doplotic	n DM - Poducod	Mat	riv MC -	Macked	Sand Crains	21 ocation: F		re Lining, M = Matrix.	
		Depletic	ori, Kivi – Reduced	IVIAL	11X, 1VI3 -	iviaskeu	Saliu Grailis.				
Hydric Soil			Data de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la con	~	·e	.0) (1.55	D MI DA 4 405°			Problematic Hydric Soils ³ :	
Histoso	I (A1) pipedon (A2)		Polyvalue Bel Thin Dark Sui							(A10) (LRR K, L, MLRA 149B)	
	pipedon (A2) istic (A3)		Loamy Mucky							rie Redox (A16) (LRR K, L, R)	
	en Sulfide (A4)		Loamy Gleye			(LKK K,	L)			ky Peat or Peat (S3) (LRR K, L,	R)
	ed Layers (A5)		Depleted Mat							ice (S7) (LRR K, L)	
	d Below Dark Surf							-		Below Surface (S8) (LRR K, L)	
	ark Surface (A12)	acc (/ t	Depleted Dar)				Surface (S9) (LRR K, L)	
	Mucky Mineral (S1)		Redox Depre			•			_	anese Masses (F12) (LRR K, L	
-	Gleyed Matrix (S4)				. ,					Floodplain Soils (F19) (MLRA	
	Redox (S5)									dic (TA6) (MLRA 144A, 145, 1 4	·9B)
_	d Matrix (S6)									t Material (F21)	
	urface (S7) (LRR R, N	ЛІ RA 14	9R)					-		ow Dark Surface (TF12)	
			,					Oth	er (Exp	lain in Remarks)	
3Indicators	of hydrophytic veg	getation	and wetland hydr	olog	y must b	e preser	nt, unless distur	bed or prob	lemati	C.	
Restrictive	Layer (if observed)	:									
	Type:		Rocks			Hydric	Soil Present?		Yes _	No <u>_</u>	
	Depth (inches):		13								
Remarks:	•										

Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Dat	e: 2019-June-04		
Applicant/Owner: NextEra		State: NY	Sampling Point:	W-JJB-13; PSS-1		
Investigator(s): Jake Brillo, Nick	DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1		
Subregion (LRR or MLRA): LR	R L	Lat: 43.060747040	5 Long: -78.051874553	9 Datum: WGS84		
Soil Map Unit Name: Appleton	silt loam, 0 to 3 percent slopes		NWI classi	fication:		
Are climatic/hydrologic conditions	on the site typical for this time of year	ar? Yes No	(If no, explain in Rem	arks.)		
Are Vegetation, Soil,	or Hydrology significantly dis	sturbed? Are "Norm	al Circumstances" present	? Yes No		
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in Re	marks.)		
SUMMARY OF FINDINGS - At	tach site map showing samplir	ng point locations, trai	nsects, important feati	ures, etc.		
Hydrophytic Vegetation Present?	Yes _ ✓ _ No	1	<u> </u>			
Hydric Soil Present?	Yes _ / _ No	Is the Sampled Area withi	n a Watland?	Yes No		
_						
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-JJB-13		
Remarks: (Explain alternative pro	cedures here or in a separate report))				
TRC covertype is PSS. Wetter than	ı average year					
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of o	one is required; check all that apply)		Secondary Indicators (mir	•		
Surface Water (A1)	<u></u> Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6	•		
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B1			
✓ Saturation (A3)	Marl Deposits (B1:		Moss Trim Lines (B16) Dry-Season Water Tab			
Water Marks (B1)	Hydrogen Sulfide		Crayfish Burrows (C8)	ne (C2)		
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)	•	aturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduc	ced Iron (C4)	Stunted or Stressed Pl	3 ,		
✓ Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	✓ Geomorphic Position (
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)	(- - /		
Inundation Visible on Aerial In			Microtopographic Reli	ef (D4)		
Sparsely Vegetated Concave S	urface (B8)		✓ FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No 🟒 Depth	(inches):				
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland Hydrology Prese	nt? Yes No		
Saturation Present?		(inches): 0				
(includes capillary fringe)	res <u>v</u> 110 Deptil	(1110105).				
	gauge, monitoring well, aerial photos	\(\dot\) if				
Describe Recorded Data (stream)	gauge, monitoring well, aerial priotos	s, previous irispections), ii d	avaliable.			
Remarks:						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species T Are OBL, FACW, or FAC:	hat 3	(A)
2.				Total Number of Dominant Spe Across All Strata:	cies 5	(B)
3.				Percent of Dominant Species The Are OBL, FACW, or FAC:	60	(A/B)
5.				Prevalence Index worksheet:		
5				Total % Cover of:	Multiply	By:
'				OBL species 0	x 1 =	0
	0	_= Total Cov	/er	FACW species 90	x 2 =	180
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 32	x 3 =	96
. Fraxinus pennsylvanica	45	Yes	FACW	FACU species 20	x 4 =	80
2. Salix bebbiana	40	Yes	FACW	- UPL species 0	x 5 =	0
3. Populus deltoides	32	Yes	FAC	Column Totals 142	(A)	356 (B)
				Prevalence Index = B/		
i				Hydrophytic Vegetation Indicate		
·.				1- Rapid Test for Hydrophy		
	117	= Total Cov	/er	2 - Dominance Test is >50°		
Herb Stratum (Plot size: <u>5 ft</u>)	-	=		$_$ 3 - Prevalence Index is ≤ 3		
. Solidago sp.	60	Yes	NI	4 - Morphological Adaptat		supporting
2. Carex gracillima	20	Yes	FACU	data in Remarks or on a separa		
3. Salix bebbiana	5	No	FACW	Problematic Hydrophytic \	_	-
-			FACV	Indicators of hydric soil and we	-	gy must be
l				present, unless disturbed or pre		
5.				Definitions of Vegetation Strata		
5				Tree – Woody plants 3 in. (7.6 ci		diameter a
7.				breast height (DBH), regardless		
3.				Sapling/shrub – Woody plants le		DBH and
Э.				greater than or equal to 3.28 ft		
0				Herb – All herbaceous (non-woo		gardless of
11				size, and woody plants less that		
2.				Woody vines – All woody vines	greater than 3	.28 ft in
	85	= Total Cov	/er	height.		
Noody Vine Stratum (Plot size:30 ft)		=		Hydrophytic Vegetation Preser	t? Yes 🔽 N	lo
l.						
·				•		
				-		
3.				-		
4.						
·	0	= Total Cov	/er			

	Matrix		Redox	Feat	ures			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 3/2	95	10YR 6/8	3	C		Silt Loam	
0 - 12			2.5YR 4/6	2	C			
				_				
				_				
				_				
				_				
				_				
				_				
				_				·
				_				
Tupo: C = (Concentration D = [on DM = Doducos		riv MC -	Maskad Cand	Crains 21	esation DI - Deve Liping M - Matrix
•	Concentration, D = [Jehletli	ori, kivi – Keducec	ı ıvlat	.ı ıx, ıvı5 =	iviaskeu sand	Graffis. ² L0	ocation: PL = Pore Lining, M = Matrix.
Histoso	Indicators:		Poharahia Da	low.	Surface /S	(Q) / DD D M41 F	λ 1 <i>Ι</i> ΩΡ\	Indicators for Problematic Hydric Soils ³ :
	r (AT) pipedon (A2)		Polyvalue Be			58) (LRR R, MLF R R. MI RA 1491		2 cm Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck				2)	Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	-		. , ,		5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L)
Stratifie	d Layers (A5)		Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ice (A11						Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da)		Iron-Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depre	101229	ns (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_	Redox (S5)							Red Parent Material (F21)
	d Matrix (S6) ırface (S7) (LRR R, M	II DA 1 <i>1</i>	IOP)					Very Shallow Dark Surface (TF12)
Dark 30	irrace (37) (ERR IC, W	ILIVA 14	196)					Other (Explain in Remarks)
Indicators	of hydrophytic vege	etation	and wetland hyd	rolog	y must b	e present, unl	ess disturbe	d or problematic.
Restrictive	Layer (if observed):							
	Type:		Rocks			Hydric Soil P	resent?	Yes/_ No
	Depth (inches):		12					
emarks:								

Hydrology Photos



Vegetation Photos





Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	n, Genesee County	Sam	May-28		
Applicant/Owner: NextEra		State: New	/ York Sampl	ling Point: W-JDV-0	3; PEM-1	
Investigator(s): Jeff Vandeve	eer, IBP	Section, Township, I	Range:			
Landform (hillslope, terrace, e	etc.): Depression	Local relief (concave, conve	ex, none): Conc	ave S	lope (%): 0-1	
Subregion (LRR or MLRA):	LRR L	Lat: 43.080533	Long: -78.04	45283 D a	atum: WGS84	
Soil Map Unit Name: Ontar	rio loam, 3 to 8 percent slopes		1	NWI classification:		
Are climatic/hydrologic condit	tions on the site typical for this time of yea	ar? Yes No	(If no, expla	ain in Remarks.)		
Are Vegetation, Soil	, or Hydrology significantly dis	sturbed? Are "Norma	al Circumstances	" present? Yes	_ ∠ No	
Are Vegetation, Soil	, or Hydrology naturally probl	ematic? (If needed, o	explain any ansv	vers in Remarks.)		
SUMMARY OF FINDINGS	- Attach site map showing samplir	ng point locations, tran	sects, importa	ant features, etc	•	
Hydrophytic Vegetation Prese	ent? Yes _ √ _ No					
Hydric Soil Present?	Yes _ ✓ No	Is the Sampled Area withir	n a Wetland?	Yes 🗸	_ No	
		If yes, optional Wetland Sit		W-JDV-0		
Wetland Hydrology Present?	e procedures here or in a separate report)	3	te ib.		J5	
	, , , , , , , , , , , , , ,					
TRC covertype is PEM.						
The covertype is r Livi.						
HYDROLOGY						
Wetland Hydrology Indicators						
Primary Indicators (minimum	of one is required; check all that apply)		•	ators (minimum of	two required)	
✓ Surface Water (A1)	Water-Stained Lea	ves (B9)	Surface Soil (
✓ High Water Table (A2)	∕ Aquatic Fauna (B1		✓ Drainage Patterns (B10)			
✓ Saturation (A3)	Marl Deposits (B15		Moss Trim Lines (B16) Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide		- C - (-c)			
Sediment Deposits (B2)	Oxidized Rhizospri	neres on Living Roots (C3)	-	isible on Aerial Imag	gery (C9)	
Drift Deposits (B3)	Presence of Reduc	ced Iron (C4)		tressed Plants (D1)		
Algal Mat or Crust (B4)			✓ Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aquitard (D3)			
✓ Inundation Visible on Aeri		lemarks)	Microtopogra	aphic Relief (D4)		
Sparsely Vegetated Conca	ave Surface (B8)		<u>✓</u> FAC-Neutral	Test (D5)		
Field Observations:						
Surface Water Present?	Yes No Depth	(inches): 3				
Water Table Present?	Yes No Depth	(inches): 0	Wetland Hydrol	ogy Present?	Yes No	
Saturation Present?	Yes No Depth	(inches): 0				
(includes capillary fringe)						
Describe Recorded Data (stre	eam gauge, monitoring well, aerial photos	s, previous inspections), if a	vailable:			
Remarks:						

Trans Structure (Diet sine) 20 ft	Absolute	Dominant	Indicator	Dominance Test works	heet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC	•	1	(A)
1 2.				Total Number of Domir			
3.				Across All Strata:	'	1	(B)
4.				Percent of Dominant S	pecies That	100	(A/B)
5.				Are OBL, FACW, or FAC			(AV b)
6.	·			Prevalence Index work	sheet:		
7.	·			Total % Cover	of:	Multiply E	<u>Зу:</u>
/·		= Total Cov	or	- OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		_ TOTAL COV	CI	FACW species	85	x 2 =	170
1.				FAC species	0	x 3 =	0
				- FACU species	0	x 4 =	0
2. 3.				- UPL species	0	x 5 =	0
	. ——			- Column Totals	85	(A)	170 (B)
4				Prevalence In	ndex = B/A =	_2	
5.				Hydrophytic Vegetation	n Indicators:		
6.				- 1- Rapid Test for F		egetation	
7				2 - Dominance Te		J	
	0	= Total Cov	er	3 - Prevalence Ind			
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological		(Provide s	supporting
1. <i>Phalaris arundinacea</i>	85	Yes	FACW	data in Remarks or on			11 0
2				Problematic Hydr	ophytic Vege	tation¹ (Ex	plain)
3				- ¹Indicators of hydric so	il and wetlan	d hydrolog	y must be
4				present, unless disturb	ed or probler	matic	
5				Definitions of Vegetation	n Strata:		
6				Tree – Woody plants 3 i	n. (7.6 cm) or	more in d	liameter at
7				breast height (DBH), re	gardless of h	eight.	
8.				Sapling/shrub - Woody	plants less tl	han 3 in. D	BH and
9.				greater than or equal to	o 3.28 ft (1 m) tall.	
10.				Herb – All herbaceous (-		ardless of
11.				size, and woody plants			
12.				Woody vines – All wood	dy vines great	er than 3.2	28 ft in
	85	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)		-		Hydrophytic Vegetatio	n Present? \	∕es <u> </u>	0
1.							
2.				-			
3.				-			
4.				-			
		= Total Cov	er	-			
		-					
Remarks: (Include photo numbers here or on a separat	e sheet.)						

Depth _	Matrix	to the d	epth needed to o			indicato	or confirm the a	osence of indicators.)
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 4/2	100			.,,,,,		Silty Clay	- Normania
4 - 14	10YR 5/2	90	2.5Y 4/4	10			Clay	
				<u></u>				
		- —		_				
-								
		- —		. —				
				_				
				. —				
1Typo: C = 0	Consentration D =	Doplotic			six MC =	Mackad	Cand Crains 21	estion DI - Deve Lining M - Matrix
	Concentration, D =	Debietio	Jii, Kivi – Keduceo	ı ıvla[l	1X, IVIS =	iviasked	Sanu Grains, ² L	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil			Dobarduo Da	امس د	urfaca (C	י חם ו/ ייס	D MIDA 140D)	Indicators for Problematic Hydric Soils ³ :
Histoso	r (AT) pipedon (A2)		Polyvalue Be				R, MLRA 149B) A 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck					Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	-		(2,	-,	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface (S7) (LRR K, L)
Deplete	d Below Dark Surf	ace (A11	·					Polyvalue Below Surface (S8) (LRR K, L)
Thick D	ark Surface (A12)		Depleted Da	rk Su	face (F7))		Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy N	/lucky Mineral (S1)		Redox Depre	ession	ıs (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy C	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)							Red Parent Material (F21)
Strippe	d Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, I	MLRA 14	9B)					Other (Explain in Remarks)
3Indicators	of hydrophytic ve	rotation	and wotland byd	rolom	, must b	o procon	t uplace dicturba	
	Layer (if observed)		and wettand nyu	rolog	y must be	Preser	it, uriless disturbe	d of problematic.
	=	·	None			Hydric	Soil Present?	Yes/_ No
	Type:		None			Hydric	Son Present?	res _/_ NO
-	Depth (inches):							
Remarks:								

Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Excelsior	City/County: Elb	a, Genesee County	Sampling Date: 2	019-May-30
Applicant/Owner: NextEra		State: New '	York Sampling Point: W-	DV-12; UPL-1
Investigator(s):Jeff Vandeveer, IBP		Section, Township, R	ange:	
Landform (hillslope, terrace, etc.): St	ructural Bench	Local relief (concave, convex	x, none): None	Slope (%): 10-20
Subregion (LRR or MLRA): LRR L		Lat: 43.0493184	Long: -78.1126409	Datum: WGS84
Soil Map Unit Name: Ovid silt loam, 0 t	to 3 percent slopes		NWI classificat	ion: None
Are climatic/hydrologic conditions on the	• • • • • • • • • • • • • • • • • • • •		(If no, explain in Remarks	5.)
	ydrology significantly d		Circumstances" present?	Yes No
Are Vegetation, Soil, or H	ydrology naturally prob	olematic? (If needed, ex	xplain any answers in Remark	(s.)
SUMMARY OF FINDINGS – Attach s	ite map showing sampl	ing point locations, trans	sects, important features	, etc.
Hydrophytic Vegetation Present?	Yes No _ _/			
Hydric Soil Present?	Yes No	Is the Sampled Area within	a Wetland? Y	es No⁄_
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Site	ID:	
Remarks: (Explain alternative procedure TRC covertype is UPL. Area is upland, no			s are not normal due to mow	ing of vegetation
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is re	equired; check all that apply)	. <u>S</u>	Secondary Indicators (minimu	m of two required)
Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil Cracks (B6)	
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)	
Saturation (A3)	Marl Deposits (B	15) –	Moss Trim Lines (B16)	
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C	2)
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3) –	Crayfish Burrows (C8) Saturation Visible on Aeria	I Imageny (CO)
Drift Deposits (B3)	Presence of Redu	read Iron (C4)	Stunted or Stressed Plants	
Algal Mat or Crust (B4)		iction in Tilled Soils (C6)	Geomorphic Position (D2)	(01)
Iron Deposits (B5)	Thin Muck Surfac	` , =	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery	(B7) Other (Explain in	Remarks) _	Microtopographic Relief (D	4)
Sparsely Vegetated Concave Surface	(B8)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No Depth	(inches):		
Water Table Present? Yes	No Depth	(inches):	Wetland Hydrology Present?	Yes No
Saturation Present? Yes	No <u>_</u> Depth	(inches):		
(includes capillary fringe)				
Describe Recorded Data (stream gauge,	monitoring well, aerial photo	os, previous inspections), if av	ailable:	
Remarks:				
No positive indication of wetland hydrol	ogy was observed.			

Tree Stratum (Plot size:30 ft)			Indicator			
1.	% Cover	Species?	Status	Number of Dominant Species The Are OBL, FACW, or FAC:	et 0	(A)
2.				Total Number of Dominant Speci	es 2	(B)
3.				Across All Strata:	. ——	
4				Percent of Dominant Species ThaAre OBL, FACW, or FAC:	t o	(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply	· Bv:
7				OBL species 0	x 1 =	0
	0	_= Total Co	ver	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1.				– FACU species 90	x 4 =	360
2.				UPL species 0	x 5 =	0
3				- Column Totals 90	(A)	360 (B)
4				Prevalence Index = B/A	=4	
5				Hydrophytic Vegetation Indicator	s:	·
6.				1- Rapid Test for Hydrophyt		า
7				2 - Dominance Test is > 50%	_	
	0	= Total Co	ver	3 - Prevalence Index is ≤ 3.0	11	
Herb Stratum (Plot size:5 ft)	40	V	FACIL	4 - Morphological Adaptatio	ns¹ (Provide	supporting
1. Poa pratensis	40	Yes	FACU	 data in Remarks or on a separate 	sheet)	
2. Taraxacum officinale	30	Yes	FACU	 Problematic Hydrophytic Ve 	_	•
3. Plantago lanceolata	10	No No	FACU	Indicators of hydric soil and wet	,	gy must be
4. <i>Trifolium repens</i> 5.	10	No	FACU	present, unless disturbed or prob	lematic	
6.				_ Definitions of Vegetation Strata:		
7.				Tree – Woody plants 3 in. (7.6 cm breast height (DBH), regardless o		diameter at
8.				Sapling/shrub – Woody plants les	_	DBH and
9.				greater than or equal to 3.28 ft (1		DBITAIIG
10.				Herb – All herbaceous (non-wood		gardless of
11.				size, and woody plants less than		0
12.				Woody vines – All woody vines gr	eater than 3	3.28 ft in
12.	90	= Total Co		height.		
Woody Vine Stratum (Plot size:30 ft)			vei	Hydrophytic Vegetation Present	Yes I	No <u></u>
1.						
2.		-		-		
3.			-	-		
4.		-		-		
	0	= Total Co	ver	-		
	-					
Remarks: (Include photo numbers here or on a separat	e sheet.)					
No positive indication of hydrochysters and the		E00/ - 5 -l		dies indexed as FAC		
No positive indication of hydrophytic vegetation was ob	served (≥	:50% Of dor	minant spec	lies indexed as FAC+ or drier).		

Profile Des	cription: (Describe	to the de	epth needed to de	ocum	nent the	indicato	r or confirm the	absence o	f indicators.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	e	Remarks
0 - 8	10YR 4/4	100		_			Silt Loa	am	
				_					
				_					
				_					
				_					
				_					
-				_					
¹Tvpe: C = 0	oncentration. D =	Depletio	n. RM = Reduced	Mati	rix. MS =	Masked	Sand Grains.	² Location: F	PL = Pore Lining, M = Matrix.
Hydric Soil			,		.,				ors for Problematic Hydric Soils³:
Histoso			Polyvalue Bel	ow S	urface (8) (LRR	R. MLRA 149R)		•
	oipedon (A2)		Thin Dark Su		-		•		n Muck (A10) (LRR K, L, MLRA 149B) st Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky						n Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrog	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)				k Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mat						value Below Surface (S8) (LRR K, L)
	d Below Dark Surf	ace (A11)							n Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)			n-Manganese Masses (F12) (LRR K, L, R)
-	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				dmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)								sic Spodic (TA6) (MLRA 144A, 145, 149B)
-	Redox (S5)								Parent Material (F21)
	d Matrix (S6)								y Shallow Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, N	/ILRA 149	9B)					Oth	er (Explain in Remarks)
3Indicators	of hydrophytic veg	getation a	and wetland hydr	olog	y must b	e preser	nt, unless distur	bed or prob	olematic.
Restrictive	Layer (if observed):	:				Ī		•	
	Type:		Gravel			Hydric	: Soil Present?		Yes No <u>_</u> ✓
	Depth (inches):		8			1			
Remarks:									
No positive	indication of hydr	ic soils w	as observed.						

Photo of Sample Plot





Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-June-03			
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-11; UPL-1			
Investigator(s): Jake Brillo, Nick	DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): Flat Slope (%): 0-1			
Subregion (LRR or MLRA): LF	RR L	Lat: 43.073988100	6 Long: -78.0688107759 Datum: WGS84			
Soil Map Unit Name: Palmyra a	and Arkport soils, 15 to 25 percent slo	pes	NWI classification:			
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ar? Yes No	(If no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly dis		al Circumstances" present? Yes No			
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in Remarks.)			
Summary of Findings – A	ttach site map showing sampliı	ng point locations, trar	nsects, important features, etc.			
Hydrophytic Vegetation Present?	Yes No _ _∕ _					
Hydric Soil Present?	Yes No	Is the Sampled Area within	n a Wetland? Yes No/			
•		•				
Wetland Hydrology Present?	Yes No _ ∠	If yes, optional Wetland Si	te iD:			
Remarks: (Explain alternative pro	ocedures here or in a separate report)				
I						
TRC covertyne is LIPI. Circumstar	nces are not normal due to agricultur	al activities. Wetter than a	verage vear			
The covertype is of E. circumstar	ices are not normal due to agricultur	ar activities, vvetter triair av	icrage year			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of two required)			
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B1	3)	Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)				
D 16 D 11 (D2)		(64)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Redu		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent from Reduct	ction in Tilled Soils (C6)	Geomorphic Position (D2) Shallow Aquitard (D3)			
Inundation Visible on Aerial Ir			Shallow Aquitaru (D3) Microtopographic Relief (D4)			
Sparsely Vegetated Concave S		vernarks)	FAC-Neutral Test (D5)			
Field Observations:	Januare (Bo)					
Surface Water Present?	Vos No / Denth	(inches):				
	•	(inches):				
Water Table Present?	•	(inches):	Wetland Hydrology Present? Yes No _∠			
Saturation Present?	Yes No Depth	(inches):				
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring well, aerial photos	s, previous inspections), if a	available:			
	88-, p 8 p	-, ₋				
Remarks:						

	Absolute %	Dominant	Indicator	Dominance Test worksh	eet.		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Sp			
1		эресісэ.	Status	Are OBL, FACW, or FAC:	recies inde	0	(A)
1 2.	· ·			Total Number of Domina	ant Species		
	· 			Across All Strata:		0	(B)
3.				Percent of Dominant Sp	ecies That		
4.				Are OBL, FACW, or FAC:			(A/B)
5.				Prevalence Index worksl	neet:		
6	· <u> </u>			Total % Cover o	<u>of:</u>	Multiply	By:
7	· 			OBL species	0	x 1 =	0
		= Total Cover		FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_			FAC species	0	x 3 =	0
1				FACU species	0	x 4 =	0
2				— UPL species	0	x 5 =	0
3.				— Column Totals	0	(A)	0 (B)
4				Prevalence Inc		-	0 (5)
5							
6				Hydrophytic Vegetation			
7.				1- Rapid Test for Hy		egetation	
	0	= Total Cover		2 - Dominance Test			
Herb Stratum (Plot size:5 ft)				3 - Prevalence Inde		(D)	
1				4 - Morphological A			supporting
2.				data in Remarks or on a Problematic Hydro			(مندام)
3.				Problematic Hydro			
4.	· 			 Indicators of hydric soil present, unless disturbe 		-	gy must be
5.				Definitions of Vegetation	-	Hatic	
6.	·			Tree – Woody plants 3 in		more in	diameter at
7.				breast height (DBH), reg			ulameter at
8.	·			Sapling/shrub - Woody			OBH and
-	· ·			greater than or equal to			DDIT GITG
				Herb – All herbaceous (r			pardless of
				size, and woody plants le			5
11.	· 			Woody vines - All woody			.28 ft in
12				height.			
		= Total Cover		Hydrophytic Vegetation	Present? V	'es N	lo /
Woody Vine Stratum (Plot size: 30 ft				Trydrophydic Vegetation	Tresent.		<u>v</u> _
1.				_			
2				_			
3	· 			_			
4				_			
	0	= Total Cover					
Remarks: (Include photo numbers here o	or on a separato	e sheet.)					
Active agricultural field							

	cription: (Describe	to the de	•			indicato	r or confirm the ab	osence of	f indicators.)
Depth	Matrix		Redox				- .		B
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0 - 18	10YR 3/3	100		-			Silt Loam		
		· —		-					
				_					
				_					
				_					
		· ·		_					
		· ·		-					
							•		
1Tup of C = (Consentration D =	Dopletie	p DM = Doducod	N/at		Maskad	Cand Crains 21 o		OL - Doro Lining M - Matrix
	Concentration, D =	Depletio	n, Rivi – Reduced	IVIAL	11X, IVIS –	Masked	Sand Grains, *LC		PL = Pore Lining, M = Matrix.
Hydric Soil						· 0 . 4 . B.B.	D 141 D1 4 40D)	indicato	ors for Problematic Hydric Soils ³ :
Histoso			-				R, MLRA 149B)	2 cn	n Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su Loamy Muck					Coa	st Prairie Redox (A16) (LRR K, L, R)
	istic (A3) en Sulfide (A4)		Loamy Gleye	•		(LKK K,	L)		n Mucky Peat or Peat (S3) (LRR K, L, R)
, .	d Layers (A5)		Depleted Ma						k Surface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11)							value Below Surface (S8) (LRR K, L)
	ark Surface (A12)	acc (7111)	Depleted Dark)			n Dark Surface (S9) (LRR K, L)
	Aucky Mineral (S1)		Redox Depre			,		Iron	n-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)			55.5.	.5 (. 5)				dmont Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								sic Spodic (TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)								Parent Material (F21)
	u Matrix (30) irface (S7) (LRR R, M	AL DA 140)D)					-	y Shallow Dark Surface (TF12)
Dark 30	111ace (37) (LKK K, IV	ILKA 143	76)					Oth	er (Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydi	olog	y must b	e preser	nt, unless disturbe	d or prob	olematic.
Restrictive	Layer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No/_
	Depth (inches):			-					
Remarks:		_				I			_
Kemarks.									

Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-May-30			
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-06; U	JPL-1		
Investigator(s): Jake Brillo, Reb	ecca Cosgrove	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Hillslope	Local relief (concave, conv	ex, none): Convex Slop	oe (%): 2-5		
Subregion (LRR or MLRA): L	RR L	Lat: 43.075813385	7 Long: -78.0536488351 Dat u	ım: WGS84		
Soil Map Unit Name: Newstea	d silt loam, 0 to 3 percent slopes		NWI classification:			
Are climatic/hydrologic condition	s on the site typical for this time of ye	ar? Yes <u></u> ✓ No	(If no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly dis		al Circumstances" present? Yes	∠ No		
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in Remarks.)			
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, trar	nsects, important features, etc.			
Hydrophytic Vegetation Present	? Yes No _ _⁄ _					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland? Yes	No ./		
		·				
Wetland Hydrology Present?	Yes No _ ∠	If yes, optional Wetland S	tte iD:			
Remarks: (Explain alternative pro	ocedures here or in a separate report)				
TRC covertype is UPL.						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of tw	<u>o required)</u>		
Surface Water (A1)	Water-Stained Lea		Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10) Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B1		Moss Hill Ellies (BTo) Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide		0 0 1 0 (00)			
Sediment Deposits (B2)	Oxidized Rhizospr	neres on Living Roots (C3)	Saturation Visible on Aerial Image	ry (C9)		
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed Plants (D1)	, ,		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial I	magery (B7) Other (Explain in F	Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No Depth	(inches):				
Water Table Present?	Yes No Depth	(inches):	Wetland Hydrology Present? Ye	s No _ _ _		
Saturation Present?	Yes No Depth	(inches):				
(includes capillary fringe)			•			
	n gauge, monitoring well, aerial photos	nravious inspactions) if	mailable.			
Describe Recorded Data (stream	r gauge, monitoring well, aeriai photos	s, previous irispections), ir a	avallable.			
Remarks:						

·	Ahsoluta	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft)		Species?	Status	Number of Dominant Species That		
1. Acer saccharum	75	Yes	FACU	Are OBL, FACW, or FAC:	1	(A)
Ostrya virginiana	20	Yes	FACU	Total Number of Dominant Species		
3.		163	FACO	Across All Strata:	6	(B)
				Percent of Dominant Species That	167	
4.				Are OBL, FACW, or FAC:	16.7	(A/B)
5.				Prevalence Index worksheet:		
6.				Total % Cover of:	Multiply E	<u>Ву:</u>
7				OBL species 0	x 1 =	0
	95	= Total Cov	er	FACW species 5	x 2 =	10
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1. <i>Carya ovata</i>	18	Yes	FACU	FACU species 218	x 4 =	872
2. Fraxinus pennsylvanica	5	Yes	FACW	UPL species 0	x 5 =	0
3				Column Totals 223	(A)	882 (B)
4				Prevalence Index = B/A =	· · · —	002 (B)
5						
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic \	/egetation	
	23	= Total Cov	er	2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)		_		3 - Prevalence Index is ≤ 3.0¹		
1. Podophyllum peltatum	65	Yes	FACU	4 - Morphological Adaptations		supporting
2. <i>Maianthemum racemosum</i>	30	Yes	FACU	data in Remarks or on a separate sh		I ! \
3. <i>Trillium undulatum</i>	10	No	FACU	Problematic Hydrophytic Vege		
4.				¹Indicators of hydric soil and wetlan		gy must be
5.				present, unless disturbed or proble	matic	
6.				Definitions of Vegetation Strata:		
7.				Tree – Woody plants 3 in. (7.6 cm) o breast height (DBH), regardless of h		liameter at
				Sapling/shrub – Woody plants less t	_	DII and
8.				greater than or equal to 3.28 ft (1 m		ъп апи
9.				Herb – All herbaceous (non-woody)		ardless of
10				size, and woody plants less than 3.2		ar aress or
11				Woody vines – All woody vines grea		28 ft in
12				height.		
	105	= Total Cov	er	Hydrophytic Vegetation Present?	Voc N	<u> </u>
Woody Vine Stratum (Plot size: 30 ft)				hydrophytic vegetation Present?	res N	0
1						
2						
3.						
4						
	0	= Total Cov	er			
Remarks: (Include photo numbers here or on a separa	te sheet \					
Remarks. (melade prioto flambers fiere of off a separa	te sileet.)					

Depth	•	o trie d	-			ndicator o	r confirm the at	osence of indicators.)
-	Matrix		Redox Color (moist)			12	Taratuma	Damanika
(inches) 0 - 12	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 3/2			- —			Silt Loam	
				- —				
								
				- —				
				- —				
				- —				
				- —				
		- — -						
				- —				
¹Type: C = C	oncentration, D = D	epletic	on, RM = Reduce	d Mat	rix, MS =	Masked Sa	ind Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil I	ndicators:							Indicators for Problematic Hydric Soils ³ :
Histosol			Polyvalue Be					2 cm Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Su				49B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucl			(LRR K, L)		5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
, .	n Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Ma					Dark Surface (S7) (LRR K, L)
	d Below Dark Surfa	re (A11						Polyvalue Below Surface (S8) (LRR K, L)
	rk Surface (A12)	CC (/ (1 1	Depleted Da					Thin Dark Surface (S9) (LRR K, L)
	ucky Mineral (S1)		Redox Depr					Iron-Manganese Masses (F12) (LRR K, L, R)
	leyed Matrix (S4)				. ,			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	edox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	Matrix (S6)							Red Parent Material (F21)
	face (S7) (LRR R, M	LRA 14	9B)					Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
	of hydrophytic vege	tation	and wetland hyd	Irolog	y must be	e present,	unless disturbe	d or problematic.
	ayer (if observed):		Docks			Undria Ca	il Drocont?	Voc. No. (
	Type:	-	Rocks	-		Hydric Sc	il Present?	Yes No <u>_</u> ✓
	Depth (inches):	_	12					
Remarks:								

Vegetation Photos



Soil Map Unit Name: Appleto Are climatic/hydrologic condition Are Vegetation, Soil, Are Vegetation, Soil,	LRR L on silt loam, 0 to 3 percent slopes ons on the site typical for this time of your control or Hydrology significantly d	ear? Yes No	vex, none): Concave 12 Long: -78.0521459599 NWI classificate V (If no, explain in Remarks	Slope (%): 1-10 Datum: WGS84 cion: PFO1B		
Landform (hillslope, terrace, etc. Subregion (LRR or MLRA): Soil Map Unit Name: Appleto Are climatic/hydrologic condition Are Vegetation, Soil, Are Vegetation, Soil,	LRR L on silt loam, 0 to 3 percent slopes ons on the site typical for this time of your control or Hydrology significantly d	Local relief (concave, conv Lat: 43.060819418 ear? Yes No	vex, none): Concave 12 Long: -78.0521459599 NWI classificate V (If no, explain in Remarks	Datum: WGS84 tion: PFO1B		
Subregion (LRR or MLRA): Soil Map Unit Name: Appleto Are climatic/hydrologic condition Are Vegetation, Soil, Are Vegetation, Soil,	LRR L on silt loam, 0 to 3 percent slopes on son the site typical for this time of your control or Hydrology significantly d	Lat: 43.060819418 ear? Yes No	2 Long: -78.0521459599 NWI classificat _ (If no, explain in Remarks	Datum: WGS84 tion: PFO1B		
Soil Map Unit Name: Appleto Are climatic/hydrologic condition Are Vegetation, Soil, Are Vegetation, Soil,	on silt loam, 0 to 3 percent slopes ns on the site typical for this time of yo or Hydrology significantly d	ear? Yes No	NWI classificat (If no, explain in Remarks	cion: PFO1B		
Are climatic/hydrologic condition Are Vegetation, Soil, Are Vegetation, Soil,	ns on the site typical for this time of your or Hydrology significantly d		(If no, explain in Remarks			
Are Vegetation, Soil, Are Vegetation, Soil,	or Hydrology significantly d					
Are Vegetation, Soil _ _/ ,		isturbed? Are "Norm		.)		
<u> </u>	والمستعدد والمستعدد والمسامين والمسامين والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعد		al Circumstances" present?	Yes No		
CUMMANN OF THE CO.	or Hydrology naturally prob	olematic? (If needed,	explain any answers in Remar	ks.)		
STIMMARY OF FINIDINGS _	Attach site map showing sampli	ing point locations trai	nsects important features	e etc		
Hydrophytic Vegetation Presen			isces, important reatare.	, ccc.		
Hydric Soil Present?	Yes _ ✓ No	Is the Sampled Area withi	in a Wetland? Yo	es/_ No		
		· ·				
Wetland Hydrology Present?	Yes _✓_ No rocedures here or in a separate repor	If yes, optional Wetland S	ite ID:	/-JJB-13		
TRC covertype is PFO. Area is w	retland, all three wetland parameters a	are present. Wetter than av	erage year			
HYDROLOGY Wetland Hydrology Indicators:						
Primary Indicators (minimum o	of one is required; check all that apply)		Secondary Indicators (minimu	ım of two required)		
Surface Water (A1)	⁄ Water-Stained Le	eaves (B9)	Surface Soil Cracks (B6)			
✓ High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)			
✓ Saturation (A3)	Marl Deposits (B´		Moss Trim Lines (B16)	22)		
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C Crayfish Burrows (C8)	.2)		
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	✓ Saturation Visible on Aeria	l Imagery (C9)		
Drift Deposits (B3)	Presence of Redu	uced Iron (C4)	Stunted or Stressed Plants	3 ,		
Algal Mat or Crust (B4)		iction in Tilled Soils (C6)	✓ Geomorphic Position (D2)	. ()		
Iron Deposits (B5)	Thin Muck Surfac	ce (C7)	Shallow Aquitard (D3)			
<u>✓</u> Inundation Visible on Aerial	· · · · · · · · · · · · · · · · · · ·	Remarks)	Microtopographic Relief ([04)		
Sparsely Vegetated Concave	s Surtace (B8)		✓ FAC-Neutral Test (D5)			
Field Observations:	· · · · · · · · · · · · · · · · · · ·					
Surface Water Present?	•	n (inches):	-			
Water Table Present?	•	n (inches): 10	Wetland Hydrology Present?	Yes No		
Saturation Present?	Yes 🗸 No Depth	n (inches):	_			
(includes capillary fringe)						
Deccribe Decorded Data (ctree)	m gauge, monitoring well, aerial photo	os, previous inspections), if a	available:			

	مغررا مماد	Daminant	Indiantas	Dominance Test worksheet:		
Tree Stratum (Plot size: 30 ft)		Dominant Species?	Status	Number of Dominant Species That		
Quercus macrocarpa	25	Yes	FACU	Are OBL, FACW, or FAC:	6	(A)
2. Quercus bicolor	16	Yes	FACW	Total Number of Dominant Species		
3. Fraxinus pennsylvanica	15	Yes	FACW	Across All Strata:	8	(B)
4. Acer saccharinum	8	No	FACW	Percent of Dominant Species That	75	(A/B)
5.			FACV	Are OBL, FACW, or FAC:		(AV B)
6.	· ——			Prevalence Index worksheet:		
7.	. ——			Total % Cover of:	Multiply	<u>Ву:</u>
<i>I</i>	64	= Total Cov	or	OBL species 0	x 1 =	0
Capling/Chrub Ctratum (Diet cize) 15 ft	- 04	_ 10tal Cov	ei	FACW species 71	x 2 =	142
Sapling/Shrub Stratum (Plot size: 15 ft)	20	Voc	EAC.	FAC species 57	x 3 =	171
1. Rhamnus cathartica	30	Yes	FAC	FACU species 70	x 4 =	280
2. Populus deltoides	15	Yes	FAC	UPL species 0	x 5 =	0
3. Fraxinus pennsylvanica	12	Yes	FACW	Column Totals 198	(A)	593 (B)
4.				Prevalence Index = B/A =	3	
5				Hydrophytic Vegetation Indicators:		
6				1- Rapid Test for Hydrophytic V	egetation	
7				2 - Dominance Test is >50%	Ü	
	57	= Total Cov	er	\checkmark 3 - Prevalence Index is \le 3.01		
Herb Stratum (Plot size:5 ft)				✓ 4 - Morphological Adaptations ¹	(Provide	supporting
1. Carex gracillima	45	Yes	FACU	data in Remarks or on a separate sh		11 0
2. <i>Fraxinus pennsylvanica</i>	20	Yes	FACW	Problematic Hydrophytic Vege	tation¹ (Ex	plain)
3. Rhamnus cathartica	12	No	FAC	¹ Indicators of hydric soil and wetland	d hydrolog	gy must be
4.				present, unless disturbed or problem	matic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) or	more in o	diameter at
7				breast height (DBH), regardless of h	eight.	
8				Sapling/shrub – Woody plants less the	han 3 in. 🏻	BH and
9				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2		
12.				Woody vines – All woody vines great	er than 3.	28 ft in
	77	= Total Cov	er	height.		
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation Present?	∕es <u> </u>	lo
1.						
2.				-		
3.						
4.				-		
	0	= Total Cov	er	-		
		-				
Remarks: (Include photo numbers here or on a separat	e sneet.)					
Burr oak exhibiting buttressed base						

Depth	Matrix	.o ale u	Redox				. or committee	bsence of indicators.)
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 18	10YR 2/1	100	Color (moist)	70	туре	<u>LOC-</u>	Org matter Silt	Wetland soils across the site show little redox or
	1011(2)1			_			Loam	depletions
				_				
		_		_				
				_		_		
				_				
				_				
1Typo: C = 1	Concentration, D =	Doplotic	on PM = Poducod	Mat	riv MC -	Maskad	Sand Grains 21	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil		Depietit	on, Kivi – Reduced	iviat	1 IX, IVI3 –	IVIASKEU	Sand GrainsL	Indicators for Problematic Hydric Soils ³ :
Histoso			Polyvalue Bel	ow S	urface (S	8) (LRR	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Sui		-		•	Coast Prairie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Loamy Mucky	/ Mir	eral (F1)	(LRR K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mat					Polyvalue Below Surface (S8) (LRR K, L)
	ed Below Dark Surfa	ace (A11						Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)		Iron-Manganese Masses (F12) (LRR K, L, R)
•	Mucky Mineral (S1)		Redox Depre	ssior	is (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	Redox (S5)							Red Parent Material (F21)
	d Matrix (S6) ırface (S7) (LRR R, N	ILRA 14	9B)					Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
3Indicators	of hydrophytic veg	etation	and wetland hydr	olog	y must b	e preser	nt, unless disturbe	ed or problematic.
Restrictive	Layer (if observed):							
	Type:		Rocks			Hydric	Soil Present?	Yes No
	Depth (inches):		18			Hydric	3011 FTESEIT!	res NO
Remarks:								

Hydrology Photos







Photo of Sample Plot



Project/Site: Excelsior	City/County:_ E	Byron, Genesee	Sampling Da	te: 2019-June-13
Applicant/Owner: NextEra		State: NY	Sampling Point	: W-JJB-31; PEM-1
Investigator(s):Jake Brillo, Isaac	: Pallant	Section, Township,	Range:	
Landform (hillslope, terrace, etc.):	Marsh	Local relief (concave, conv	ex, none): Concave	Slope (%): 1-10
Subregion (LRR or MLRA): LF	RR L	Lat: 43.052953672	6 Long: -78.086563227	78 Datum: WGS84
Soil Map Unit Name: Wakeville	silt loam	<u> </u>	NWI class	sification: PEM
Are climatic/hydrologic conditions	s on the site typical for this time of	year? Yes No	(If no, explain in Rem	iarks.)
Are Vegetation, Soil,	or Hydrology significantly	disturbed? Are "Norm	al Circumstances" present	t? Yes No _ _/
Are Vegetation, Soil,	or Hydrology naturally pr	oblematic? (If needed,	explain any answers in Re	emarks.)
SUMMARY OF FINDINGS – A	ttach site map showing sam	nling point locations trai	nsects important feat	ures etc
50MM/MC1 OF THE HUGS 70	ttaerr site map snowing sam	piirig poirit locations, trai	iscees, important reac	
Hydrophytic Vegetation Present?	Yes No			
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No
Wetland Hydrology Present?	Yes _ ∠ _ No	If yes, optional Wetland S	ite ID:	W-JJB-31
	ocedures here or in a separate rep			
Remarks. (Explain alternative pro	reduces here of in a separate rep	or t)		
TRC covertype is PEM. Beaver da	m impacts, wetter than average ye	ear		
HYDROLOGY				
TIBROLOGI				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of	one is required; check all that app	lv)	Secondary Indicators (mi	nimum of two required)
•			Surface Soil Cracks (B	•
Surface Water (A1)	Water-Stained		Drainage Patterns (B1	•
✓ High Water Table (A2)	Aquatic Fauna		Moss Trim Lines (B16)	
✓ Saturation (A3)	Marl Deposits		Dry-Season Water Tak	
Water Marks (B1)	Hydrogen Sulfi	de Odor (C1)		
Sediment Deposits (B2)	Oxidized Rhizo	spheres on Living Roots (C3)	Craylish burrows (Co)	Aprial Images (CO)
_	_		<u>✓</u> Saturation Visible on A	
Drift Deposits (B3)		duced Iron (C4)	Stunted or Stressed P	
Algal Mat or Crust (B4)	Recent Iron Re	duction in Tilled Soils (C6)	✓ Geomorphic Position	
<u></u> Iron Deposits (B5)	Thin Muck Surf	• •	Shallow Aquitard (D3)	
Inundation Visible on Aerial Ir	magery (B7) Other (Explain	in Remarks)	Microtopographic Rel	ief (D4)
Sparsely Vegetated Concave S	Surface (B8)		✓ FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present?	Yes No <u></u> ✓ Dep	oth (inches):		
Water Table Present?	·	oth (inches): 6	Wetland Hydrology Prese	ent? Yes No
Saturation Present?	Yes No Dep	oth (inches): 0		
(includes capillary fringe)				
	gauge monitoring well periol ph	tos provious inspections) if	n railablar	-
Describe Recorded Data (stream	gauge, monitoring well, aerial pho	otos, previous irispections), ii d	avallable.	
Remarks:				
Kemarks.				
Í				

Tree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Number of Dominant S Are OBL, FACW, or FAC	Species That	3	(A)
2.				Total Number of Domi Across All Strata:	nant Species	3	(B)
3 4				Percent of Dominant S Are OBL, FACW, or FAC		100	(A/B)
5				Prevalence Index work	sheet:		'
5.				Total % Cover	of:	<u>Multiply</u>	<u>Ву:</u>
7		Tatal Car		- OBL species	45	x 1 =	45
Capita a / Charub Chartura / Diataina 45 ft		= Total Cov	er	FACW species	128	x 2 =	256
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species	0	x 3 =	0
1				FACU species	0	x 4 =	0
2.				UPL species	0	x 5 =	0
3.				Column Totals	173	(A)	301 (B)
4				Prevalence Ir	ndex = B/A =	1.7	
5				Hydrophytic Vegetation	n Indicators:		
6				1- Rapid Test for I	Hydrophytic \	/egetation	
7		Tatal Car		2 - Dominance Te	st is >50%		
	0	= Total Cov	er	✓ 3 - Prevalence Inc	dex is ≤ 3.01		
Herb Stratum (Plot size: <u>5 ft</u>)		\/	EA CIA/	4 - Morphological	Adaptations	(Provide	supporting
1. Phalaris arundinacea	55	Yes	FACW	data in Remarks or on	a separate sh	neet)	
2. Impatiens capensis	30	Yes	FACW	- Problematic Hydr	, , ,	=	
3. Poa palustris	28	Yes	FACW	Indicators of hydric so		, ,	gy must be
4. Typha angustifolia	20	No	OBL	present, unless disturb		matic	
5. Scirpus microcarpus	10	No	OBL	Definitions of Vegetation			
6. Solidago gigantea	10	No	FACW	Tree - Woody plants 3			diameter a
7. Juncus effusus	8	No	OBL	breast height (DBH), re			DIII
8. Carex vulpinoidea	7	No	OBL	Sapling/shrub – Woody greater than or equal t			BH and
9. Bidens frondosa	5	No	FACW	Herb – All herbaceous			rardlass of
10				size, and woody plants	-		gai uiess Oi
11				Woody vines – All wood			28 ft in
12				height.	, 6		
Woody Vine Stratum (Plot size: <u>30 ft</u>)	173	= Total Cov	er	Hydrophytic Vegetation	n Present? \	Yes <u>√</u> N	0
1				-			
2.				-			
3.				-			
4				-			
	0	= Total Cov	er				

Depth _ (inches)	Matrix	to the	aepin needed io Redo			malcator or committee	absence of indicators.)
	Color (moist)	%	Color (moist)	% %	Type ¹	Loc² Textui	re Remarks
0 - 12	10YR 3/2	94	5YR 4/6	6	С	M/PL Clay Lo	
0 - 12	1011/3/2	<u> </u>	311(4/0			IVI/1 Clay LO	
		- —		-			
		- —					
				- —			
		- —					
		- —					
				- —			
		- —		- —			
				- —			
		- —		- —			
•		Deplet	ion, RM = Reduce	d Ma	trix, MS =	Masked Sand Grains.	CLocation: PL = Pore Lining, M = Matrix.
Hydric Soil I							Indicators for Problematic Hydric Soils ³ :
Histosol						S8) (LRR R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)					R R, MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi	en Sulfide (A4)		Loamy Muc Loamy Gley			(LKK K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted M				Dark Surface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A1					Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted D			")	Thin Dark Surface (S9) (LRR K, L)
Sandy M	lucky Mineral (S1)		Redox Depr			•	Iron-Manganese Masses (F12) (LRR K, L, R)
	ileyed Matrix (S4)		•				Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy R	edox (S5)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Stripped	d Matrix (S6)						Red Parent Material (F21)
Dark Su	rface (S7) (LRR R, N	/ILRA 1	49B)				Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Indicators			and wetland hyd	drolog	gy must b	e present, unless disturb 	ped or problematic.
Restrictive I	aver (it observed)	•				Hydric Soil Present?	Yes/_ No
	_ayer (if observed): Type:		Rocks			,	100
	Type:		Rocks 12	•			
	=		Rocks 12				
	Type:						
	Type:						
	Type:			-			
	Type:			-			
	Type:			-			
	Type:			-			
	Type:						
	Type:			-			
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						
	Type:						









Project/Site: Excelsior	City/County: Byro	on, Genesee		Sampling Date: 2019-May-29		
Applicant/Owner: NextEra		State: NY		Sampling Point: W-JJB-	-02; UPL-1	
Investigator(s): Jake Brillo, Rebeco	ca Cosgrove	Section, Township, I	Range:			
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conve	ex, none):_	Convex	Slope (%): 2-5	
Subregion (LRR or MLRA): LRR	(L	Lat: 43.0707620318 Long: -78.0492430554 Datum: W				
Soil Map Unit Name: Lima silt loa	am, 3 to 8 percent slopes			NWI classification	:	
Are climatic/hydrologic conditions o	on the site typical for this time of ye	ear? Yes 🗸 No	(If no	, explain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norma	al Circumst	ances" present?	/es No 	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed, e	explain any	y answers in Remarks.)		
SUMMARY OF FINDINGS – Att	ach site map showing sampli	ng point locations, tran	nsects, im	portant features, e	tc.	
Hydrophytic Vegetation Present?	Yes No _ ∠ _					
Hydric Soil Present?	Yes No	Is the Sampled Area withir	n a Wetland	d? Yes	No⁄_	
	Yes No	·				
Wetland Hydrology Present?		If yes, optional Wetland Sit	te ib.			
Remarks: (Explain alternative proce	edures here or in a separate report	:)				
TRC covertype is UPL. Circumstanc	es are not normal due to agricultui	ral activities				
HYDROLOGY						
Wetland Hydrology Indicators:					s	
Primary Indicators (minimum of or	ie is required; check all that apply)		-	/ Indicators (minimum	of two required)	
Surface Water (A1)	Water-Stained Le			e Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B´			ge Patterns (B10) Frim Lines (B16)		
Saturation (A3)	Marl Deposits (B1			ason Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide		Crayfis			
Sediment Deposits (B2)	Oxidized Kriizospi	neres on Living Roots (C5)	-	tion Visible on Aerial In	nagery (C9)	
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)		d or Stressed Plants (D		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		orphic Position (D2)	,	
Iron Deposits (B5)	Thin Muck Surfac	e (C7)	Shallov	hallow Aquitard (D3)		
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in	Remarks)	Microto	opographic Relief (D4)		
Sparsely Vegetated Concave Su	rface (B8)		FAC-Ne	eutral Test (D5)		
Field Observations:						
Surface Water Present?	Yes No <u>_</u> Depth	(inches):				
Water Table Present?	Yes No <u>_</u> Depth	(inches):	Wetland H	lydrology Present?	Yes No	
Saturation Present?	Yes No <u>_</u> Depth	(inches):				
(includes capillary fringe)	·					
Describe Recorded Data (stream ga	auge monitoring well aerial photo	s previous inspections) if a	vailable:		<u> </u>	
Describe recorded bata (stream gr	sage, morntoring well, derial prioto	s, previous inspections,, ii u	runubic.			
Do ma a whee						
Remarks:						

VEGETATION OSE SCIENTIFIC Harries Of plants.				Danis and Tratementals			
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksh			
1.	% Cover	Species?	Status	Number of Dominant S _l Are OBL, FACW, or FAC:		0	(A)
2.				Total Number of Domin	ant Species	1	(B)
3.				Across All Strata:			
4.				Percent of Dominant Sp		0	(A/B)
5.				Are OBL, FACW, or FAC:			`_
				Prevalence Index works			
6 7.				<u>Total % Cover of</u>	<u>of:</u>	Multiply	<u>By:</u>
··	0	= Total Cove	ar	OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		- Total Covi	-1	FACW species	0	x 2 =	0
				FAC species	0	x 3 =	0
1		·		FACU species	0	x 4 =	0
2.				UPL species	45	x 5 =	225
3				Column Totals	45	(A)	225 (B)
4				Prevalence In	dex = B/A =	5	
5				Hydrophytic Vegetation			
6				1- Rapid Test for H		/egetation	
7				2 - Dominance Tes		egetation	
	0	= Total Cove	er	3 - Prevalence Inde			
Herb Stratum (Plot size:5 ft)				4 - Morphological		l (Provide	supporting
1. Zea mays	45	Yes	UPL	data in Remarks or on a			supporting
2				Problematic Hydro			rnlain)
3.				¹Indicators of hydric soi			
4.				present, unless disturbe		-	ду пизсье
5.				Definitions of Vegetation		Tidele	-
6.				Tree – Woody plants 3 in		more in	diameter at
7.				breast height (DBH), reg			ulailletei at
8.				Sapling/shrub - Woody		-	OBH and
				greater than or equal to			obi i aliu
		·		Herb – All herbaceous (ardless of
10				size, and woody plants l			gar aress or
11				Woody vines – All wood			28 ft in
12				height.	,es 8. ea.		.20
	45	= Total Cov	er	-	Drocont? \	/os N	lo (
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation	i Fresent?	ies iv	10 <u>- 1</u>
1							
2							
3							
4							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a separat	a sheet)	-		<u></u>			
Remarks. (include prioto numbers here of on a separat	c silect.)						
Active agricultural field							

	•	to the de	•			indicator	or confirm the	absence of indicator	rs.)
Depth	Matrix		Redox				-		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²		xture	Remarks
0 - 12	10YR 3/4	100		-			Silty C	lay Loam	
				_					
				_					
				_					
				_				_	
				_					
¹Type: C = 0	oncentration D =	Denletio	n RM = Reduced	Mat	rix MS =	Masked	Sand Grains 2	Location: PL = Pore	Lining M = Matrix
Hydric Soil		2 cpictio	, All Acadeed	17141	, 1415 -	askeu	Jana Granis.		oblematic Hydric Soils³:
Histoso			Polyvalue Bel	۵۱۸۷ ۵	iurface (S	(8) (I DD I	R MIRA 1/OR)		•
	oipedon (A2)		Thin Dark Su						A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Mucky						Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye			,	•		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mat					Dark Surface	
Deplete	d Below Dark Surf								low Surface (S8) (LRR K, L) rface (S9) (LRR K, L)
Thick D	ark Surface (A12)		Depleted Dar	k Su	rface (F7))			ese Masses (F12) (LRR K, L, R)
-	Mucky Mineral (S1)		Redox Depre	ssior	ns (F8)				oodplain Soils (F19) (MLRA 149B)
Sandy C	Gleyed Matrix (S4)								: (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)							Red Parent N	
Strippe	d Matrix (S6)								Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, N	/ILRA 149	9B)					Other (Explai	
21.0.01:0040.00	-£ +:							•	,
-			and wettand nydr	olog	y must be	e presen	it, uniess disturt	ed or problematic.	
Restrictive	Layer (if observed):		D. d.			I to color o	C-: D42		V N- /
	Type:	-	Rocks			Hydric	Soil Present?		Yes No/_
	Depth (inches):		12						
Remarks:									





Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	n, Genesee	Sampling Date: 2019-Ma	y-30
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-05; U	IPL-1
Investigator(s): Jake Brillo, Rebe	ecca Cosgrove	Section, Township,	Range:	
Landform (hillslope, terrace, etc.):	Hillslope	Local relief (concave, conv	ex, none): Convex Slop	oe (%): 2-5
Subregion (LRR or MLRA): LF	RR R	Lat: 43.071891786	6 Long: -78.0558911619 Da tu	ım: WGS84
Soil Map Unit Name: Canandai	gua silt loam, 0 to 2 percent slopes		NWI classification:	
Are climatic/hydrologic conditions	s on the site typical for this time of yea	ar? Yes <u>✓</u> No	(If no, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology significantly dis		al Circumstances" present? Yes	∠ No
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in Remarks.)	
SUMMARY OF FINDINGS – A	ttach site map showing samplir	ng point locations, trar	sects, important features, etc.	
Hydrophytic Vegetation Present?	Yes No _ ✓			
Hydric Soil Present?	Yes No ∕_	Is the Sampled Area withi	n a Wetland? Yes	No /
		·		110 <u>/</u>
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:	
Remarks: (Explain alternative pro	ocedures here or in a separate report)			
TRC covertype is UPL.				
LIVEROLOGY				
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of tw	<u>o required)</u>
Surface Water (A1)	Water-Stained Lea	ives (B9)	Surface Soil Cracks (B6)	
High Water Table (A2)	Aquatic Fauna (B1	3)	Drainage Patterns (B10)	
Saturation (A3)	Marl Deposits (B15	5)	Moss Trim Lines (B16)	
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)	
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)	Crayfish Burrows (C8)	- (60)
			Saturation Visible on Aerial Image	y (C9)
Drift Deposits (B3)	Presence of Reduc		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)		tion in Tilled Soils (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)	
Inundation Visible on Aerial IrSparsely Vegetated Concave S		(emarks)	Microtopographic Relief (D4) FAC-Neutral Test (D5)	
Field Observations:	ouriace (Bo)		FAC-Neutral Test (D3)	
	Vos. No. (Donth	'inchas);		
Surface Water Present?	•	(inches):		
Water Table Present?	·	(inches):	Wetland Hydrology Present? Ye	s No _ _ _
Saturation Present?	Yes No 🟒 Depth ((inches):		
(includes capillary fringe)				
Describe Recorded Data (stream	gauge, monitoring well, aerial photos	s, previous inspections), if a	available:	
Remarks:				

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That		
1. Fagus grandifolia	75	Yes	FACU	Are OBL, FACW, or FAC:	1	(A)
2.			17100	Total Number of Dominant Species	4	(D)
3.				Across All Strata:		(B)
4.				Percent of Dominant Species That	25	(A/B)
5.				Are OBL, FACW, or FAC:		`
6.				Prevalence Index worksheet:	N. A. Jahraha	D
7.				Total % Cover of: OBL species 0	Multiply	-
	75	= Total Cove	r	OBL species 0 FACW species 0	x 1 = _ x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)		=		FAC species 10	x 2 - x 3 =	30
1. Fagus grandifolia	20	Yes	FACU	FACU species 100	x 4 =	400
2.	<u> </u>				-	0
3.	<u> </u>				x 5 = _	
4.					(A) _	430 (B)
5.					3.9	
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic \	/egetation	1
	20	= Total Cove	er	2 - Dominance Test is > 50%		
Herb Stratum (Plot size: <u>5 ft</u>)		=		3 - Prevalence Index is ≤ 3.0¹		
1. Arisaema triphyllum	10	Yes	FAC	4 - Morphological Adaptations		supporting
2. Trillium undulatum	5	Yes	FACU	data in Remarks or on a separate sh Problematic Hydrophytic Vege		(nlain)
3.				Indicators of hydric soil and wetlan		•
4.				present, unless disturbed or proble	-	gy must be
5.				Definitions of Vegetation Strata:	made	
6.				Tree – Woody plants 3 in. (7.6 cm) o	r more in	diameter at
7.				breast height (DBH), regardless of h		alameter at
8.				Sapling/shrub – Woody plants less t		OBH and
9.				greater than or equal to 3.28 ft (1 m		
10.				Herb – All herbaceous (non-woody)	plants, re	gardless of
11.				size, and woody plants less than 3.2	8 ft tall.	
12.				Woody vines – All woody vines grea	ter than 3	.28 ft in
	15	= Total Cove	ır	height.		
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation Present?	Yes N	√_ ol
1.						
2.						
3.						
4.						
	0	= Total Cove	or			
			.1			
Remarks: (Include photo numbers here or on a separat	e sheet.)					

Contention of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the con	Profile Des Depth	cription: (Describe t Matrix	to the de	epth needed to de Redox			ndicato	or confirm the al	bsence of indicato	rs.)
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. Hydric Soil Indicators:			%				Loc2	Text	ure	Remarks
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13				color (molocy	· <u></u> ·	.,,,,,		-		
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13			_		_					
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13			<u> </u>		_		_			
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13										
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13			_		_					
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13			_		_		_			
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F6) Thick Dark Surface (A12) Peleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Stratified Cayers (A5) Depleted Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, 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) Ploth of the Surface (TF12) Type: Rocks Depth (inches): 13			<u> </u>		_					
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Thick Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F12) (MLRA 149B) Sandy Gleyed Matrix (S4) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Plondicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocks Hydric Soil Present? Yes No/ Depth (inches): 13			Depletio	n, RM = Reduced	Matı	rix, MS =	Masked	Sand Grains. ² Lo		
Histic Epipedon (A2)	-			Polvvalue Bel	ow S	urface (S	8) (LRR I	R, MLRA 149B)		•
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Gleyed Matrix (S4) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Red Parent Material (F21) Dark Surface (S7) (LRR R, MLRA 149B) Piedmont Floodplain Soils (F19) (MLRA 144B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Plodicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocks Hydric Soil Present? Yes No ✓ Depth (inches): 13		` '								
Hydrogen Sulfide (A4)	Black H	istic (A3)								
Stratified Layers (A5)	Hydrog	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)			-	
Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Bindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocks Depth (inches): 13										
Sandy Mucky Mineral (S1)			ice (A11)						•	
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Pledmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B)				•			1			
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocks Depth (inches): 13 Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Yes No ✓	•	•		Redox Depre	ssior	ıs (F8)				
Sandy Redox (S5)	-	•								
Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks)	-									
Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocks Hydric Soil Present? Yes No✓ Depth (inches): 13	Strippe	d Matrix (S6)								
Restrictive Layer (if observed): Type: Rocks Hydric Soil Present? Yes No _ ✓ Depth (inches): 13	Dark Su	rface (S7) (LRR R, M	ILRA 149	9B)					-	
Type: Rocks Hydric Soil Present? Yes No _✓ Depth (inches): 13			etation a	and wetland hydr	ology	y must be	e preser	t, unless disturbe	d or problematic.	
Depth (inches): 13	Restrictive	=		Dl			L books a	C-11 D		Ver No. 4
							Hyaric	Soil Present?		Yes No/_
Remarks:		Depth (inches):	_	13						



Applicant/Owner NextFra State: NY Sampling Point: W-jjB-26; UPL 1 Investigator(s), jable Fittile, Isaac Pallant Socion, Tromship, Range: Landform (hillslope, terrace, etc.):
Landform thillslope, terrace, etc.; Agricultural Field Lat: 43.060353091 Log. 7-80-067225 Datum: WGS84 Subregion (LRR or MLRA): LRR L. Lat: 43.060353091 Log. 7-80-067225 Datum: WGS84 Solf Map Unit Name: Lakemont sitty clay loam rother than the site typical for this time of year? Now (discasification: Name Lakemont sitty clay) and the site typical for this time of year? Yes No/ (if no, explain in Remarks.) Are Vegetation Soll or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No/ (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 No/ Is the Sampled Area within a Wetland? Yes No/ Wetland Hydrology Present? Yes No/ If yes, optional Wetland Site ID: TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Sourface Water (A1)
Subregion (LRR or MLRA): LRR L Lat: 43.060353091 Long 78.0790697225 Datum: WGS84 Solf Map Unit Name: Lakemont sity clay loam NWit classification: NWit classifications on the site typical for this time of year? Yes
Soil Map Unit Name: Lakemont silty clay loam Are climatic/hydrologic conditions on the site typical for this time of year? Are No (if no, explain in Remarks.) Are Vegetation
Are climatichydrologic conditions on the site typical for this time of year?
Are Vegetation Soil or Hydrology significantly disturbed?
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?
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report) TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1)
Hydrophytic Vegetation Present? Yes No / Is the Sampled Area within a Wetland? Yes No / Hydric Soil Present? Yes No / If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report) TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Dorald Patrices (B10) Saturation (A3) Marl Deposits (B15) Dovidezed Rhizospheres on Living Roots (C3) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stauted of Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Affice (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology Present? Yes No Lepth (inches): Wetland Hydrology
Hydrophytic Vegetation Present? Yes No / Is the Sampled Area within a Wetland? Yes No / If yes, optional Wetland? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1)
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) High Water Table (A2) Marth Water Stained Leaves (B9) Saturation (A3) Mart Deposits (B15) Marth Water (A1) Marth Rydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Alga
Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in a separate report) TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of two required) Surface Water (A1)
Remarks: (Explain alternative procedures here or in a separate report) TRC covertype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) _ Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)
Primary Indicators (minimum of one is required; check all that apply) _ Surface Water (A1)
Surface Water (A1)
High Water Table (A2)
Saturation (A3)
Water Marks (B1)
Sediment Deposits (B2)
Drift Deposits (B3)
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) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5)
Iron Deposits (B5)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5) FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8) 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): (includes capillary fringe)
Field Observations: Surface Water Present? Yes No _
Surface Water Present? Yes No _ ✓ Depth (inches): Wetland Hydrology Present? Yes No _ ✓ Depth (inches): Wetland Hydrology Present? Yes No _ ✓ Depth (inches): (includes capillary fringe)
Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Z Saturation Present? Yes No Depth (inches): (includes capillary fringe)
Saturation Present? Yes No Z Depth (inches): (includes capillary fringe)
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

<u> </u>				D . T . II	<u> </u>		
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	pecies That	0	(A)
1				Are OBL, FACW, or FAC:	+ Ci		
2				Total Number of Domin Across All Strata:	ant Species	1	(B)
3					osios That		
4				Percent of Dominant Sp Are OBL, FACW, or FAC:	iecies mat	0	(A/B)
5				Prevalence Index works	hoot:		
6				Total % Cover of		Multiply	Dv. 19
7.				OBL species		$\frac{\text{Multiply I}}{\times 1} =$	
	0	= Total Cove	er	FACW species	0	_	0
Sapling/Shrub Stratum (Plot size: 15 ft)		-		<u> </u>	0	x 2 = _	0
1.				FAC species	0	x 3 =	0
2				FACU species	0	x 4 =	0
3.	-			UPL species	15	x 5 =	75
4.				Column Totals	15	(A) _	75 (B)
5.				Prevalence Inc	dex = B/A =	5	
6.	-			Hydrophytic Vegetation	Indicators:		
-				1- Rapid Test for H	ydrophytic V	egetation	
7				2 - Dominance Tes	t is > 50%		
	0	= Total Cove	er	3 - Prevalence Inde	ex is $\leq 3.0^1$		
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological	Adaptations ¹	(Provide s	supporting
1. Zea mays	15	Yes	UPL	data in Remarks or on a	separate sh	ieet)	., .
2				Problematic Hydro	phytic Vege	tation¹ (Ex	plain)
3				¹Indicators of hydric soi	l and wetlan	d hydrolog	gy must be
4				present, unless disturbe	ed or probler	matic	-
5				Definitions of Vegetation	n Strata:		
6.				Tree – Woody plants 3 in	n. (7.6 cm) or	more in d	liameter at
7.				breast height (DBH), reg			
8.				Sapling/shrub - Woody			BH and
9.				greater than or equal to			
10.				Herb – All herbaceous (non-woody)	plants, reg	ardless of
11.				size, and woody plants l	ess than 3.2	8 ft tall.	
12.				Woody vines - All wood	y vines great	er than 3.	28 ft in
12.	15	= Total Cove		height.			
Manada Viina Chantana (Diataina 20 ft.)	15	_ TOTAL COVE	21	Hydrophytic Vegetation	Present?	∕es N	0 /
Woody Vine Stratum (Plot size:30 ft)				,			
1							
2							
3							
4							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						
Astino agricultural field							
Active agricultural field							

	-	to the de	-			indicator	or confirm the al	bsence of indicators.)
Depth _	Matrix	04	Redox			Loc2	Touturo	Domarko
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 10	10YR 3/2	100		_			Loam	 -
				_				
				_				
		· —		_				
				_				
				_				
				_				
				_		 .		
	oncentration, D =	Depletio	n, RM = Reduced	Mati	rıx, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil I					•			Indicators for Problematic Hydric Soils ³ :
Histosol							R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Thin Dark Sur Loamy Mucky					Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye			(LKK K, L	-)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mar					Dark Surface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11						Polyvalue Below Surface (S8) (LRR K, L)
	rk Surface (A12)		Depleted Dar	k Sur	face (F7))		Thin Dark Surface (S9) (LRR K, L)
Sandy M	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)			Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy G	leyed Matrix (S4)							Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)							Red Parent Material (F21)
Stripped	l Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	/ILRA 149	9B)					Other (Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	വിറത	ı must h	e nresen	it unless disturbe	
-	ayer (if observed):		ana wedana nyan	0108	y mase b	Presen	ic, arriess distarbe	a of problematic.
	Type:		Rocks			Hydric	Soil Present?	Yes No
	Depth (inches):	-	10	•				
Remarks:								



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byro	on, Genesee	San	npling Date: 2019-	June-11
Applicant/Owner: NextEra		State: NY	Samp	ling Point: W-JJB-2	9; PEM-1
Investigator(s): Jake Brillo, Isa	ac Pallant	Section, Township,	Range:		
Landform (hillslope, terrace, etc	:.): _ Agricultural Field	Local relief (concave, conv	ex, none): Flat		Slope (%): 0-1
Subregion (LRR or MLRA):	LRR L	Lat: 43.061388800	9 Long: -78.0	83723439 D	atum: WGS84
Soil Map Unit Name: Galen v	ery fine sandy loam, 2 to 6 percent slop	oes		NWI classification:	
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ar? Yes No	_ ∠ (If no, expla	in in Remarks.)	
Are Vegetation, Soil,	or Hydrology significantly dis	sturbed? Are "Norm	al Circumstances	" present? Ye	s No _ _
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any ansv	wers in Remarks.)	
SUMMARY OF FINDINGS -	Attach site map showing samplir	ng point locations, trai	nsects, import	ant features, etc	: .
Hydrophytic Vegetation Presen	ıt? Yes _ √ _ No				
Hydric Soil Present?	Yes No	Is the Sampled Area withi	in a Wetland?	Yes .	∕_ No
		· ·			
Wetland Hydrology Present?	Yes _ ✓ No	If yes, optional Wetland S	ite ID:	W-JJB-2	29
Remarks: (Explain alternative p	rocedures here or in a separate report)			
TRC covertyne is PEM Circumst	tances are not normal due to agricultur	ral activities. Wetter than a	verage vear		
The covertype is I Livi. circums	tances are not normal due to agricultur	rai activities, wetter triair a	verage year		
HYDROLOGY					
Wetland Hydrology Indicators:					
	of one is required; check all that apply)		Secondary Indic	cators (minimum of	two required)
✓ Surface Water (A1)	⁄ Water-Stained Lea	avos (RQ)	Surface Soil		
High Water Table (A2)	_ <u>✓</u> Water-stamed Lea _ <u>✓</u> Aquatic Fauna (B1		Drainage Pa		
✓ Saturation (A3)	Marl Deposits (B1)		Moss Trim Li		
Water Marks (B1)	Hydrogen Sulfide		Dry-Season \	Water Table (C2)	
Sediment Deposits (B2)	, ,	neres on Living Roots (C3)	Crayfish Bur		
			Saturation V	isible on Aerial Ima	gery (C9)
Drift Deposits (B3)	Presence of Reduc			Stressed Plants (D1))
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	_ ∠ Geomorphic		
Iron Deposits (B5)	Thin Muck Surface		Shallow Aqu		
Inundation Visible on Aerial	· · · · · · · · · · · · · · · · · · ·	Remarks)		raphic Relief (D4)	
✓ Sparsely Vegetated Concave	s Surface (B8)		<u>✓</u> FAC-Neutral	Test (D5)	
Field Observations:	V	<i>c</i> 1)			
Surface Water Present?	·	(inches): 6	-[
Water Table Present?	Yes _ V No Depth	(inches): 0	Wetland Hydrol	ogy Present?	Yes No
Saturation Present?	Yes No Depth	(inches): 0	_		
(includes capillary fringe)					
Describe Recorded Data (stream	m gauge, monitoring well, aerial photos	s, previous inspections), if	available:		
Remarks:					
1					

	Ahsolute	Dominant	Indicator	Dominance Test workshee	et:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Species?	Status	Number of Dominant Spe			
1.				Are OBL, FACW, or FAC:		2	(A)
2.				Total Number of Dominar	nt Species		
				Across All Strata:		2	(B)
3.				Percent of Dominant Spec	ies That	400	(1.45)
4.				Are OBL, FACW, or FAC:		100	(A/B)
5.				Prevalence Index workshe	eet:		
6				Total % Cover of:	<u>.</u>	Multiply E	<u>sy:</u>
7				OBL species	50	x 1 =	50
	0	_= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x 3 =	0
1				FACU species	0	x 4 =	0
2				UPL species	0	x 5 =	0
3				Column Totals	50	(A)	50 (B)
4.				Prevalence Inde		-	30 (b)
5.				•			
6.				Hydrophytic Vegetation In			
7.				1- Rapid Test for Hyd		egetation	
		= Total Cove	er	_ ✓ 2 - Dominance Test i			
Herb Stratum (Plot size:5 ft)		-		3 - Prevalence Index			
1. Ranunculus sceleratus	35	Yes	OBL	4 - Morphological Ad			upporting
2. Eleocharis obtusa		Yes	OBL	data in Remarks or on a s			
3.		163	OBL	Problematic Hydrop			
				¹Indicators of hydric soil a			y must be
4.				present, unless disturbed	•	natic	
5				Definitions of Vegetation 9			
6				Tree – Woody plants 3 in.			iameter at
7				breast height (DBH), rega		_	
8				Sapling/shrub - Woody pl			BH and
9				greater than or equal to 3			
10				Herb – All herbaceous (no			ardless of
11				size, and woody plants les			
12.				Woody vines – All woody v	vines great	er than 3.2	28 ft in
	50	= Total Cove	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation F	resent? Y	es 🔽 No	D
1.							
2.							
3.							
4.							
		= Total Cove	· · · · · · · · · · · · · · · · · · ·				
		_ TOTAL COVE	:1				
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Depth	ription: (Describe t Matrix	o the o	depth needed to d Redox			indicato	r or confirm the a	bsence of indicato	ors.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks
0 - 12	2.5Y 3/2	70	10YR 4/6	30	C	M	Silty Clay		
		_		_		_			
		_		_					
		_				<u> </u>			
		_				<u> </u>			
1Type: C = C	oncentration, D = [Denleti	on RM = Reduce	d Mati	ix MS =	 Masked	Sand Grains 21	ocation: PL = Pore	Lining, M = Matrix.
Hydric Soil I		cpiet	on, RW - Reduce	a iviali	17, 1413 -	MUSICU	Jana GranisL		roblematic Hydric Soils ³ :
Histosol Histic Ep Black Hi Hydroge Stratifiee Depletee Thick Da Sandy M Sandy G Sandy R Strippec Dark Su	(A1) ipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surfa rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) rface (S7) (LRR R, M	LRA 14	Thin Dark St. Loamy Mucl Loamy Gleyt Depleted Ma 1) Redox Dark Depleted Da Redox Depr	urface ky Min ed Ma atrix (I Surfac ark Sui essior	(S9) (LRF eral (F1) trix (F2) F3) ce (F6) rface (F7) is (F8)	R R, MLRR (LRR K, I	.)	2 cm Muck (Coast Prairie 5 cm Mucky Dark Surface Polyvalue Be Thin Dark Surface Iron-Mangae Piedmont Fl Mesic Spodi Red Parent l Very Shallow Other (Explain	A10) (LRR K, L, MLRA 149B) e Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) e (S7) (LRR K, L) elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R) oodplain Soils (F19) (MLRA 149B) oc (TA6) (MLRA 144A, 145, 149B) Material (F21) v Dark Surface (TF12) sin in Remarks)
	of hydrophytic vege	etation	and wetland hyd	lrolog	y must b	e preser	t, unless disturbe	d or problematic.	
	ayer (if observed):		Nama			م نسلم دارا	Cail Duanant?		Voc. (No.
	Type: Depth (inches):		None			Hyaric	Soil Present?		Yes No
Remarks:	Deput (inches).								

Hydrology Photos



Vegetation Photos





Photo of Sample Plot





Project/Site: Excelsior	City/	'County: Byron, Genesee C	: Byron, Genesee County Sampling Date: 2019-May-3					
Applicant/Owner: NextEra			State: New York Sampling Point: W-JDV-10; U					
Investigator(s): Jeff Vandeveer	·, IBP	Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Agricultural Field	Local relief (concave, convex, none	e): None	Slope (%): 0-1			
Subregion (LRR or MLRA):	LRR L	Lat:	13.0736102 Lon	g:78.1026795	Datum: WGS84			
Soil Map Unit Name: Ontario	loam, 3 to 8 percent slop	es		NWI classificat	ion: None			
Are climatic/hydrologic condition	ns on the site typical for t	his time of year?	Yes No (If	no, explain in Remarks	5.)			
Are Vegetation <u></u> ✓, Soil <u>✓</u> ,	or Hydrology si	ignificantly disturbed?	Are "Normal Circur	nstances" present?	Yes No			
Are Vegetation, Soil,	or Hydrology n	aturally problematic?	(If needed, explain	any answers in Remar	ks.)			
SUMMARY OF FINDINGS - A	Attach site map show	ing sampling point lo	ations, transects,	important features	, etc.			
Hydrophytic Vegetation Present	t? Yes 1	No 🗸						
Hydric Soil Present?	Yes 1	i	ed Area within a Wet	land? \	′es No ∠			
				idila.				
Wetland Hydrology Present?	Yes N		nal Wetland Site ID:	_				
Remarks: (Explain alternative pr	ocedures here or in a se	parate report)						
TRC covertype is UPL. Circumsta	ances are not normal due	e to agricultural activities						
HYDROLOGY								
Wetland Hydrology Indicators:								
Primary Indicators (minimum of	f one is required; check a	ll that apply)	Second	lary Indicators (minimu	m of two required)			
Surface Water (A1)	•	er-Stained Leaves (B9)		face Soil Cracks (B6)	•			
High Water Table (A2)		atic Fauna (B13)	Dra	inage Patterns (B10)				
Saturation (A3)	•	Deposits (B15)	Mo:	ss Trim Lines (B16)				
Water Marks (B1)		rogen Sulfide Odor (C1)	•	-Season Water Table (C				
Sediment Deposits (B2)	•	lized Rhizospheres on Livir	0 ()	yfish Burrows (C8)				
•				uration Visible on Aeria	l Imagery (C9)			
Drift Deposits (B3)	Pres	ence of Reduced Iron (C4)	Stu	nted or Stressed Plants	(D1)			
Algal Mat or Crust (B4)		ent Iron Reduction in Tilled		omorphic Position (D2)				
Iron Deposits (B5)		Muck Surface (C7)		llow Aquitard (D3)				
Inundation Visible on Aerial	· · · · · · · · · · · · · · · · · · ·	er (Explain in Remarks)		rotopographic Relief (D	04)			
Sparsely Vegetated Concave	Surface (B8)		FAC	-Neutral Test (D5)				
Field Observations:								
Surface Water Present?	Yes No _ _/	Depth (inches):						
Water Table Present?	Yes No _ _	Depth (inches):	Wetlan	d Hydrology Present?	Yes No ∠			
Saturation Present?	Yes No _ _	Depth (inches):						
(includes capillary fringe)								
Describe Recorded Data (stream	n gauge monitoring well	aerial photos previous in	spections) if available	y•				
2 0301.30 1.000.000 2 000 (00.00)	80080,	, aca. po.o., p. co.o	, , , , , , , , , , , , , , , , , , ,	•				
Dama adam	_							
Remarks:								
No positive indication of wetlan	d hydrology was observe	ed.						
ſ								

Torra Characteristic (Distriction 20 ft.)	Absolute %	Dominant	Indicator	Dominance Test works	neet:		
Tree Stratum (Plot size: 30 ft)	Cover	Species?	Status	Number of Dominant S	pecies That	0	(A)
1.				Are OBL, FACW, or FAC:			(A)
2.				Total Number of Domir	nant Species	0	(B)
3.				Across All Strata:			
				Percent of Dominant S			(A/B)
				Are OBL, FACW, or FAC:			
				 Prevalence Index works 	sheet:		
7.	-			Total % Cover	of:	<u>Multiply</u>	<u>By:</u>
/·		= Total Cover		OBL species	0	x 1 =	0
		= Total Cover		FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft				FAC species	0	x 3 =	0
1				— FACU species	0	x 4 =	0
2				— UPL species	0	x 5 =	0
3				— Column Totals	0	(A)	0 (B)
4				Prevalence Ir	idex = B/A =	•	
5				-			 -
6				Hydrophytic Vegetation		/+-+:	
7.				1- Rapid Test for H		regetation	1
	0	= Total Cover		2 - Dominance Te			
Herb Stratum (Plot size:5 ft)		_		3 - Prevalence Ind			_
1.				4 - Morphological			supporting
2				— data in Remarks or on			
3.				Problematic Hydr			•
4.				Indicators of hydric so		-	gy must be
5.				present, unless disturb		matic	
-				Definitions of Vegetation			
6				Tree – Woody plants 3 i			diameter at
7				breast height (DBH), re	_	_	
8				Sapling/shrub - Woody			DBH and
9				greater than or equal to			
10				Herb – All herbaceous (-		gardless of
11				size, and woody plants			
12				Woody vines – All wood	ly vines great	er than 3	.28 ft in
	0	= Total Cover		height.			
Woody Vine Stratum (Plot size: 30 ft)		-		Hydrophytic Vegetatio	n Present? \	/es N	Vo <u> </u>
1.							
2.				_			
3.				_			
4.				_			
<u> </u>	0	- Total Cover		-			
	0	= Total Cover					
Remarks: (Include photo numbers here o	r on a separat	e sheet.)					
Active agricultural field, Non-hydric veget	ative crops (su	ich as soy beans	or corn) are ass	sumed to have been domir	ant durin pa	st growin _i	g seasons.

	•	to the de	•			indicator	or confirm the	absence of indicator	rs.)
Depth	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Te	exture	Remarks
0 - 14	10YR 5/4	100		_			Silty 0	Clay Loam	
								<u>.</u>	
				_					
				_				_	
				_					
				_					
				_					
				_					
				_					
				_					
				_					
				_					
¹Type: C = 0	Concentration, D =	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains.	² Location: PL = Pore	Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Pro	oblematic Hydric Soils³:
Histoso			Polyvalue Bel	ow S	Surface (S	8) (LRR I	R, MLRA 149B)		.10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Sur		-				Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky						
Hydrog	en Sulfide (A4)		Loamy Gleyed	d Ma	trix (F2)			S crit Mucky F	Peat or Peat (S3) (LRR K, L, R)
Stratifie	d Layers (A5)		Depleted Mat	rix (F	F3)				ow Surface (S8) (LRR K, L)
Deplete	d Below Dark Surf							•	rface (S9) (LRR K, L)
Thick D	ark Surface (A12)		Depleted Dar	k Sui	rface (F7))			ese Masses (F12) (LRR K, L, R)
Sandy N	Mucky Mineral (S1)		Redox Depre	ssior	ns (F8)			-	odplain Soils (F19) (MLRA 149B)
Sandy 0	Gleyed Matrix (S4)								(TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								
Strippe	d Matrix (S6)							Red Parent M	
	ırface (S7) (LRR R, N	/ILRA 149	9B)					•	Dark Surface (TF12)
								Other (Explai	ii iii Remarks)
			and wetland hydr	olog	y must b	e presen	t, unless distur	bed or problematic.	
Restrictive	Layer (if observed):	:							
	Type:		None			Hydric	Soil Present?		Yes No/_
	Depth (inches):								
Remarks:									
No positive	indication of hydr	ic soils w	as observed.						
'	,								

Vegetation Photos



Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	enesee Sampling Date: 2019-June-11				
Applicant/Owner: NextEra		State: NY	Sampling Point: \	W-JJB-30; UPL-1			
Investigator(s):Jake Brillo, Isaac	c Pallant	Section, Township,	Range:				
Landform (hillslope, terrace, etc.):	: Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1			
Subregion (LRR or MLRA): LF	RR L	Lat: 43.055123076	8 Long: -78.0848841649	Datum: WGS84			
Soil Map Unit Name: Ovid silt l	oam, 3 to 8 percent slopes		NWI classific	cation:			
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarl	ks.)			
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Norm	al Circumstances" present?	Yes No _ _ /_			
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Rem	arks.)			
CLINANA A DV OF FINIDINICS A	**						
Hydrophytic Vegetation Present?	ttach site map showing sampli	ng point locations, trai	isects, important reatur	es, etc.			
, , , ,		la tha Camania d Amaa withi	Weden d	Von No (
Hydric Soil Present?	Yes No	Is the Sampled Area withi		Yes No			
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:				
TRC covertype is UPL. Circumstar	nces are not normal due to agricultur	ral activities, Wetter than av	verage year				
HYDROLOGY Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minir	num of two required)			
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6)				
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10)				
Saturation (A3)	Marl Deposits (B1	5)	Moss Trim Lines (B16)				
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Oxidized Rhizospl	heres on Living Roots (C3)	Crayfish Burrows (C8)Saturation Visible on Ae	rial Imagon (CQ)			
Drift Deposits (B3)	Processes of Podu	cod Iron (CA)					
Algal Mat or Crust (B4)	Presence of Redu	ction in Tilled Soils (C6)	Stunted or Stressed PlanGeomorphic Position (D.				
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)				
Inundation Visible on Aerial Ir			Microtopographic Relief	(D4)			
Sparsely Vegetated Concave S	Surface (B8)		FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present?	Yes No Depth	(inches):					
Water Table Present?	Yes No Depth	(inches):	Wetland Hydrology Present	? Yes No			
Saturation Present?		(inches):					
(includes capillary fringe)							
	gauge, monitoring well, aerial photo	s, previous inspections), if	available:				
Remarks:							

T () () () () ()	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:		(A)
2.				Total Number of Dominant Species	0	(D)
3.				Across All Strata:		(B)
4.	-			Percent of Dominant Species That		(A (D)
				Are OBL, FACW, or FAC:		(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply	<u>Ву:</u>
7				— OBL species0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_			FAC species 0	x 3 =	0
1				— FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	-	- (-)
5						
6				Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation	logotation	
7				2 - Dominance Test is > 50%	regetation	
	0	= Total Cover				
Herb Stratum (Plot size:5 ft)				3 - Prevalence Index is ≤ 3.01	1 (D	
1				4 - Morphological Adaptations		supporting
2.				data in Remarks or on a separate slProblematic Hydrophytic Vege		nlain)
3.				Indicators of hydric soil and wetlar		•
4.				present, unless disturbed or proble		gy must be
5.				· · · · · · · · · · · · · · · · · · ·	matic	
6.				Definitions of Vegetation Strata:		d:
7.	-			Tree – Woody plants 3 in. (7.6 cm) o breast height (DBH), regardless of h		nameter at
						NDLL and
8				Sapling/shrub – Woody plants less t greater than or equal to 3.28 ft (1 m		овн апи
9.				Herb – All herbaceous (non-woody)		rardless of
10				size, and woody plants less than 3.2		gai diess oi
11				Woody vines – All woody vines grea		28 ft in
12				height.	ter triair 5.	2011111
	0	= Total Cover			·/ N	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	res iv	10
1				_		
2						
3				_		
4						
	0	= Total Cover				
Remarks: (Include photo numbers here or	r on a senarate	sheet)				
include photo numbers here of	оп а зераган	z sneet.)				
Active agricultural field						
Active agricultural field						

	cription: (Describe	to the de	-			indicato	r or confirm the al	sence of inc	dicators.)
Depth	Matrix		Redox			12	T		Demondo.
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0 - 8	7.5YR 3/2	100		_			Clay Loar	<u>n</u>	
		· —		_					
		· ·		_					
		· ·		_					
				-			_		
1Tup of C = (Consentration D =	Dopletie	p DM = Doducod	N/a+		Maskad	Cand Crains 21	estion DI -	Poro Lining M = Matrix
	Concentration, D =	pehierio	ii, Kivi – Keduceo	IVIdt	ıx, ıvı5 =	iviasked	Saliu Grains. 4L0		Pore Lining, M = Matrix.
Hydric Soil			Dala I D			.0) (1.55	D MI DA (400)	mulcators	for Problematic Hydric Soils³:
Histoso			-				R, MLRA 149B)		luck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su Loamy Muck					Coast P	Prairie Redox (A16) (LRR K, L, R)
	istic (A3) en Sulfide (A4)		Loamy Gleye	•		(LKK K,	L)		lucky Peat or Peat (S3) (LRR K, L, R)
, 0	d Layers (A5)		Depleted Ma						urface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11)							ue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	acc (7111)	Depleted Dark)			ark Surface (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Depre			,		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)			55.0.	.5 (. 5)				ont Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								Spodic (TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)								rent Material (F21)
	rface (S7) (LRR R, N	AI DA 140	ופו					-	nallow Dark Surface (TF12)
Dark 30	111ace (37) (LKK K, N	ILKA 143	76)					Other (Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydi	olog	y must b	e preser	nt, unless disturbe	d or problen	natic.
Restrictive	Layer (if observed):								
	Type:		None	_		Hydric	Soil Present?		Yes No⁄_
	Depth (inches):								
Remarks:									

Hydrology Photos



Vegetation Photos





Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee County	Sampling I	Sampling Date: 2019-June-07		
Applicant/Owner: NextEra		State: Nev	v York Sampling Po	int: W-JJB-22; UPL-2		
Investigator(s): Jake Brillo, Nick	DeJohn	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1		
Subregion (LRR or MLRA):L	RR L	Lat: 43.0785635	Long: -78.0762521	Datum: WGS84		
Soil Map Unit Name: Appleton	silt loam, 0 to 3 percent slopes		NWI cla	assification:		
Are climatic/hydrologic condition:	s on the site typical for this time of ye	ear? Yes No	_ ∠ (If no, explain in Re	emarks.)		
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" prese			
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – A	ttach site map showing sampli	ng point locations, trar	nsects, important fe	atures, etc.		
Hydrophytic Vegetation Present?	? Yes No _ _/ _					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No∠		
		·				
Wetland Hydrology Present?	Yes No ✓	If yes, optional Wetland S	ite iD.			
Remarks: (Explain alternative pro	ocedures here or in a separate report	:)				
TRC covertype is UPL. wet spring						
HYDROLOGY						
Wetland Hydrology Indicators:						
•	one is required; check all that apply)		•	minimum of two required)		
Surface Water (A1)	Water-Stained Lea		Surface Soil CracksDrainage Patterns			
High Water Table (A2)	Aquatic Fauna (B1		Moss Trim Lines (B			
Saturation (A3)	Marl Deposits (B1		Dry-Season Water Table (C2)			
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide	heres on Living Roots (C3)	0 0 1 0 (00)			
Sediment Deposits (B2)	Oxidized Kriizospi	neres on Living Roots (C3)	•	on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed			
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position			
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aquitard ([03)		
Inundation Visible on Aerial I	magery (B7) Other (Explain in	Remarks)	Microtopographic I	Relief (D4)		
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D	05)		
Field Observations:						
Surface Water Present?	Yes No Depth	(inches):				
Water Table Present?	Yes No Depth	(inches):	Wetland Hydrology Pro	esent? Yes No		
Saturation Present?	Yes No <u></u> Depth	(inches):	-			
(includes capillary fringe)	 .	· · · · · · · · · · · · · · · · · · ·	=			
	gauge, monitoring well, aerial photo	s previous inspections) if:	available:	·		
Describe Recorded Data (stream	gauge, monitoring well, aeriai photo	s, previous irispections,, ir c	available.			
Power and ser						
Remarks:						

				D . T . II			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test workshe			
	% Cover	Species?	Status	Number of Dominant Sp	ecies That	0	(A)
1				Are OBL, FACW, or FAC:			
2				Total Number of Domina	ant Species	2	(B)
3				Across All Strata:	:		
4.				Percent of Dominant Spe	ecies i nat	0	(A/B)
5.				Are OBL, FACW, or FAC:			
6.				Prevalence Index worksh			_
7.				Total % Cover o	_	Multiply	-
		= Total Cove	r	OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		-	•	FACW species	0	x 2 =	0
1				FAC species	0	x 3 =	0
2.				FACU species	90	x 4 =	360
-				UPL species	0	x 5 =	0
3.				Column Totals	90	(A)	360 (B)
4				Prevalence Ind	lex = B/A =	4	
5				Hydrophytic Vegetation I			
6				1- Rapid Test for Hy		egetation	1
7				2 - Dominance Test		egetation	
	0	= Total Cove	er	3 - Prevalence Inde			
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological A		(Provide	supporting
1. Dactylis glomerata	40	Yes	FACU	data in Remarks or on a			supporting
2. Poa pratensis	30	Yes	FACU	Problematic Hydro			vnlain)
3. <i>Medicago lupulina</i>	15	No	FACU	¹Indicators of hydric soil			
4. Cirsium arvense	5	No	FACU	present, unless disturbed			gy must be
5.				Definitions of Vegetation		Hatic	_
6.				Tree – Woody plants 3 in		more in	diameter at
7.				breast height (DBH), rega			diameter at
8.				Sapling/shrub – Woody p			ORH and
9.				greater than or equal to			JBIT alla
40				Herb – All herbaceous (n			gardless of
10				size, and woody plants le			garaicss or
11				Woody vines – All woody			28 ft in
12				height.	viiies great	ici cilaii 5	.2010111
	90	_= Total Cove	er		D	/ N	1- 4
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation	Present? Y	'es r	NO <u>~</u>
1							
2							
3.							
4.							
	0	= Total Cove	er				
Demonstrat (Include whete words are being an an an annual		_					
Remarks: (Include photo numbers here or on a sepa	rate sneet.)						

	cription: (Describe	to the de	•			indicato	r or confirm the	e absence	of indicators.)
Depth	Matrix		Redox						
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0 - 10	10YR 3/2	100					Loam		
						·			
				_					
				-					
				_					
				-					
 .				_		. .			
		Depletio	n, RM = Reduced	Mat	rıx, MS =	Masked	Sand Grains.		: PL = Pore Lining, M = Matrix.
Hydric Soil									tors for Problematic Hydric Soils³:
Histoso	. ,		Polyvalue Bel					2	cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su					Co	oast Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LRR K, I	L)	5	cm Mucky Peat or Peat (S3) (LRR K, L, R)
, 0	en Sulfide (A4)		Loamy Gleye					Da	ark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Ma						olyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surf					_			nin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)			on-Manganese Masses (F12) (LRR K, L, R)
_	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				edmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)								esic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								ed Parent Material (F21)
Strippe	d Matrix (S6)								ery Shallow Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, I	MLRA 149	9B)						ther (Explain in Remarks)
21	- 6 la								•
	of hydrophytic veg		and wetland nydr	olog	y must b	e preser	it, uniess distui	rbea or pr	obiematic.
Restrictive	Layer (if observed)):							
	Type:		Gravel			Hydric	Soil Present?		Yes No ✓
	Depth (inches):		10						
Remarks:									

Vegetation Photos



Soil Photos



Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-June-04		
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-16; UPL-1		
Investigator(s): Jake Brillo, Nick	. DeJohn	Section, Township,	Range:		
Landform (hillslope, terrace, etc.):	: Agricultural Field	Local relief (concave, conv	rex, none): Flat Slope (%): 0		
Subregion (LRR or MLRA): LF	RR L	Lat: 43.055173074	9 Long: -78.0454700255 Datum: WGS		
Soil Map Unit Name: Lyons silt	loam, 0 to 3 percent slopes		NWI classification:		
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" present? Yes No		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Remarks.)		
Summary of Findings – A	ttach site map showing sampli	ng point locations, trar	nsects, important features, etc.		
Hydrophytic Vegetation Present?	Yes No _ ✓				
Hydric Soil Present?	Yes No	Is the Sampled Area within	n a Wetland? Yes No/		
		ł			
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:		
Remarks: (Explain alternative pro	ocedures here or in a separate report	t)			
TRC covertyne is LIPI. Circumsta	nces are not normal due to agricultui	ral activities. Wetter than av	verage vear		
The covertype is or E. circumstar	ices are not normal due to agricultur	iai activities, wetter triair av	relage year		
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of two require		
Surface Water (A1)	Water-Stained Le		Surface Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B´		Drainage Patterns (B10)		
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2) Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	Craylish Burrows (C8) Saturation Visible on Aerial Imagery (C9)		
Duift Danasita (D2)	Dunnan of Dody	and lung (CA)			
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Redu	ction in Tilled Soils (C6)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)		
Algai Mat of Crust (B4) Iron Deposits (B5)	Thin Muck Surfac		Shallow Aquitard (D3)		
Inundation Visible on Aerial Ir			Microtopographic Relief (D4)		
Sparsely Vegetated Concave S		nemarks)	FAC-Neutral Test (D5)		
Field Observations:	34114CC (30)				
Surface Water Present?	Vos No / Donth	(inches):			
	•	(inches):	-[,		
Water Table Present?	·	(inches):	- Wetland Hydrology Present? Yes No		
Saturation Present?	Yes No Depth	(inches):			
(includes capillary fringe)					
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	s. previous inspections), if a	available:		
	8 19 19 19 19 19	.,,			
Remarks:					
1					

T () () () () ()	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:		(A)
2.	-			Total Number of Dominant Species	0	(D)
3.				Across All Strata:		(B)
4.	-			Percent of Dominant Species That		(A (D)
				Are OBL, FACW, or FAC:		(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply	<u>Ву:</u>
7				— OBL species0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_			FAC species 0	x 3 =	0
1				— FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	-	- (-)
5						
6				Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation	logotation	
7				2 - Dominance Test is > 50%	regetation	
	0	= Total Cover				
Herb Stratum (Plot size:5 ft)				3 - Prevalence Index is ≤ 3.01	1 (D	
1				4 - Morphological Adaptations		supporting
2.				data in Remarks or on a separate slProblematic Hydrophytic Vege		nlain)
3.				Indicators of hydric soil and wetlar		•
4.				present, unless disturbed or proble		gy must be
5.				· · · · · · · · · · · · · · · · · · ·	matic	
6.				Definitions of Vegetation Strata:		d:
7.	·			Tree – Woody plants 3 in. (7.6 cm) o breast height (DBH), regardless of h		nameter at
						NDLL and
8				Sapling/shrub – Woody plants less t greater than or equal to 3.28 ft (1 m		овн апи
9.				Herb – All herbaceous (non-woody)		tardless of
10				size, and woody plants less than 3.2		gai diess oi
11				Woody vines – All woody vines grea		28 ft in
12				height.	ter triair 5.	2011111
	0	= Total Cover			·/ N	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	res iv	10
1				_		
2						
3				_		
4						
	0	= Total Cover				
Remarks: (Include photo numbers here or	r on a senarate	sheet)				
include photo numbers here of	оп а зераган	z sneet.)				
Active agricultural field						
Active agricultural field						

	cription: (Describe	to the de	•			indicato	r or confirm the	absence of inc	licators.)	
-	Depth Matrix Redox Features									
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Textu		Remarks	
0 - 11	10YR 4/3	100		_			Clay L	Clay Loam		
				_						
				_						
				_				,		
						·				
				_						
				_						
				_						
				_			-			
				_						
			514 5 1 1	_			<u> </u>		B	
		Depletio	n, RM = Reduced	Mat	rıx, MS =	Masked	Sand Grains.		Pore Lining, M = Matrix.	
Hydric Soil								Indicators 1	for Problematic Hydric Soils ³ :	
Histoso	` '		Polyvalue Bel					2 cm M	uck (A10) (LRR K, L, MLRA 149B)	
	oipedon (A2)		Thin Dark Sui					Coast P	rairie Redox (A16) (LRR K, L, R)	
	istic (A3)		Loamy Mucky			(LRR K, I	L)	5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)	
	en Sulfide (A4)		Loamy Gleye					Dark Su	ırface (S7) (LRR K, L)	
	d Layers (A5)		Depleted Mat					Polyvalı	ue Below Surface (S8) (LRR K, L)	
	d Below Dark Surf ark Surface (A12)	ace (ATT	Redox Dark 3 Depleted Dar			١		Thin Da	irk Surface (S9) (LRR K, L)	
	Jucky Mineral (S1)		Redox Depre			,		Iron-Ma	anganese Masses (F12) (LRR K, L, R)	
-	Gleyed Matrix (S4)		Redox Depre	33101	13 (1 0)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)	
								Mesic S	podic (TA6) (MLRA 144A, 145, 149B)	
-	Redox (S5)							Red Par	rent Material (F21)	
	d Matrix (S6)	AL DA 44	ND)					Very Sh	allow Dark Surface (TF12)	
Dark Su	rface (S7) (LRR R, N	VILKA 14	96)					Other (Explain in Remarks)	
3Indicators	of hydrophytic veg	getation a	and wetland hydr	olog	y must b	e preser	nt, unless distur	bed or problem	natic.	
	Layer (if observed)					ĺ		·		
	Type:		Hard pan			Hvdric	Soil Present?	,	Yes No⁄_	
	Depth (inches):		11			, ,				
Remarks:	Deptir (interies):					l .				
Remarks.										

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Excelsior	City/County: Byr	on, Genesee	Sampling Date: 20	Sampling Date: 2019-June-14		
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJ	Sampling Point: W-JJB-36; UPL-1		
Investigator(s): Jake Brillo, Isaa	ic Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1		
Subregion (LRR or MLRA): L	RR L	Lat: 43.054090384	4 Long: -78.0682914332	Datum: WGS84		
Soil Map Unit Name: Cazenovi	ia silt loam, 3 to 8 percent slopes		NWI classification	on:		
Are climatic/hydrologic condition	is on the site typical for this time of ye	ear? Yes No	_✓ (If no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" present?	Yes No		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Remarks	s.)		
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ing point locations, trai	nsects, important features,	etc.		
Hydrophytic Vegetation Present	? Yes No _ _ /					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland? Ye	s No⁄_		
		·				
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te iD:			
Remarks: (Explain alternative pro	ocedures here or in a separate repor	t)				
TDC		1 2 22 14 14 14				
TRC covertype is UPL. Circumsta	inces are not normal due to agricultu	ral activities, Wetter than av	verage year			
INDROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimur	n of two required)		
Surface Water (A1)	Water-Stained Le	aves (R9)	Surface Soil Cracks (B6)	•		
High Water Table (A2)	Aquatic Fauna (B		Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2	2)		
Sediment Deposits (B2)	, ,	heres on Living Roots (C3) Crayfish Burrows (C8)				
	_ .	•	Saturation Visible on Aerial	Imagery (C9)		
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted or Stressed Plants	(D1)		
Algal Mat or Crust (B4)	Recent Iron Redu	ction in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surfac	e (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial I		Remarks)	Microtopographic Relief (D4	1)		
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No 🟒 Depth	(inches):				
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland Hydrology Present?	Yes No		
Saturation Present?		(inches):	-			
(includes capillary fringe)	163 140 _ Beptil	(11161165).	-			
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), if a	available:			
Remarks:						

T () () () () ()	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:		(A)
2.	-			Total Number of Dominant Species	0	(D)
3.				Across All Strata:		(B)
4.	-			Percent of Dominant Species That		(A (D)
				Are OBL, FACW, or FAC:		(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply	<u>Ву:</u>
7				— OBL species0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_			FAC species 0	x 3 =	0
1				— FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	-	- (-)
5						
6				Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation	logotation	
7				2 - Dominance Test is > 50%	regetation	
	0	= Total Cover				
Herb Stratum (Plot size:5 ft)				3 - Prevalence Index is ≤ 3.01	1 (D	
1				4 - Morphological Adaptations		supporting
2.				data in Remarks or on a separate slProblematic Hydrophytic Vege		nlain)
3.				Indicators of hydric soil and wetlar		•
4.				present, unless disturbed or proble		gy must be
5.				· · · · · · · · · · · · · · · · · · ·	matic	
6.				Definitions of Vegetation Strata:		d:
7.	-			Tree – Woody plants 3 in. (7.6 cm) o breast height (DBH), regardless of h		nameter at
						NDLL and
8				Sapling/shrub – Woody plants less t greater than or equal to 3.28 ft (1 m		овн апи
9.				Herb – All herbaceous (non-woody)		tardless of
10				size, and woody plants less than 3.2		gai diess oi
11				Woody vines – All woody vines grea		28 ft in
12				height.	ter triair 5.	2011111
	0	= Total Cover			·/ N	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	res iv	10
1				_		
2				_		
3				_		
4						
	0	= Total Cover				
Remarks: (Include photo numbers here or	r on a senarate	sheet)				
include photo numbers here of	оп а зераган	z sneet.)				
Active agricultural field						
Active agricultural field						

Profile Desc	ription: (Describe t Matrix	to the de	epth needed to d Redox			indicato	r or confirm the a	absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 10	10YR 4/4	100	color (moist)	- /0	Турс		Loam	Remarks
0 - 10	1011(4/4	100		_			Loan	
				_			-	
		·		_			-	
		· 		_				
		· —	_	_			-	
				_			-	
		· —		_				
				_				
							-	
				_				
							1	
¹Type: C = C	oncentration, D = I	Depletio	n, RM = Reduced	Matı	rix, MS =	Masked	l Sand Grains. 2l	Location: PL = Pore Lining, M = Matrix.
Hydric Soil	ndicators:			_				Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)						R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Thin Dark Su	rface	(S9) (LRF	R, MLR	A 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Loamy Mucky	/ Min	eral (F1)	(LRR K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mar					Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ace (A11)	· 					Thin Dark Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dar)		Iron-Manganese Masses (F12) (LRR K, L, R)
•	lucky Mineral (S1)		Redox Depre	ssion	IS (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	leyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	edox (S5)							Red Parent Material (F21)
	Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	1LRA 149	9B)					Other (Explain in Remarks)
³ Indicators	of hydrophytic veg	etation a	and wetland hydr	ology	y must b	e preser	nt, unless disturb	ed or problematic.
Restrictive I	.ayer (if observed):							
	Туре:		Rocks			Hydric	Soil Present?	Yes No/_
	Depth (inches):		10	,				
Remarks:	•					·		

Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling D	Sampling Date: 2019-May-30	
Applicant/Owner: NextEra		State: NY	Sampling Poi	Sampling Point: W-JJB-08; PEM-1	
Investigator(s): Jake Brillo, Reb	ecca Cosgrove	Section, Township,	Range:		
Landform (hillslope, terrace, etc.):	: Agricultural Field	Local relief (concave, conv	ex, none): Concave	Slope (%): 1-10	
Subregion (LRR or MLRA): LI	RR L	Lat: 43.066370878	4 Long: -78.0581250	229 Datum: WGS84	
Soil Map Unit Name: Ovid silt l	loam, 0 to 3 percent slopes		NWI cla	ssification:	
Are climatic/hydrologic condition:	s on the site typical for this time of ye	ar? Yes No	_ ∠ (If no, explain in Re	marks.)	
Are Vegetation <u></u> ✓, Soil <u>✓</u> ,	or Hydrology significantly dis		al Circumstances" prese	nt? Yes No	
Are Vegetation, Soil,	or Hydrology naturally probl	lematic? (If needed,	explain any answers in	Remarks.)	
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, trar	nsects, important fea	atures, etc.	
Hydrophytic Vegetation Present?	? Yes No				
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes/_ No	
		·			
Wetland Hydrology Present?	Yes _ ✓ No	If yes, optional Wetland Si	te id:	W-JJB-08	
Remarks: (Explain alternative pro	ocedures here or in a separate report	.)			
TRC covertype is PEM. Circumsta	ances are not normal due to agricultu	ral activities, Wetter than a	verage year		
	_				
HYDROLOGY					
Wetland Hydrology Indicators:					
	one is required; check all that apply)		Secondary Indicators (r	ninimum of two required)	
•		-·· (DO)	Surface Soil Cracks	•	
Surface Water (A1) High Water Table (A2)	Water-Stained Lea Aquatic Fauna (B1		Drainage Patterns (
Fight Water Table (A2) Saturation (A3)	Aquatic Fauria (B1		Moss Trim Lines (B1		
Water Marks (B1)	Hydrogen Sulfide		1) Dry-Season Water Table (C2		
Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	Crayfish Burrows (C		
,	,	, , , , , , , , , , , , , , , , , , ,	Saturation Visible o	n Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed	Plants (D1)	
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	✓ Geomorphic Position		
Iron Deposits (B5)	Thin Muck Surface	•			
Inundation Visible on Aerial I	magery (B7) Other (Explain in I	Remarks)	Microtopographic R	elief (D4)	
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D	5)	
Field Observations:					
Surface Water Present?	Yes No Depth	(inches):			
Water Table Present?	Yes No Depth	(inches):	Wetland Hydrology Pre	sent? Yes 🟒 No	
Saturation Present?	Yes No Depth	(inches):			
(includes capillary fringe)					
. , , , ,			u veilebler		
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), ii a	avallable:		
Remarks:					

Tree Streets are (Diet since 20 ft)	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:		(A)
2.				Total Number of Dominant Species	0	(D)
3.	·			Across All Strata:		(B)
4.				Percent of Dominant Species That		(A (D)
	·			Are OBL, FACW, or FAC:		(A/B)
5				Prevalence Index worksheet:		
6	·			Total % Cover of:	Multiply	By:
7	·			— OBL species 0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_)			FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3.				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	-	3 (2)
5						
6				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	vegetation	
	0	= Total Cover		2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)	-			3 - Prevalence Index is ≤ 3.01		_
1				4 - Morphological Adaptations		supporting
2				data in Remarks or on a separate s		
				— ✓ Problematic Hydrophytic Vege		
4.				Indicators of hydric soil and wetlar		gy must be
5.	· -			present, unless disturbed or proble	matic	
	-			Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
7	·			breast height (DBH), regardless of h		
8.				Sapling/shrub – Woody plants less t		DBH and
9				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardiess of
11				size, and woody plants less than 3.2		20.6.
12				Woody vines – All woody vines grea	iter than 3.	28 π In
	0	= Total Cover		height.		_
Woody Vine Stratum (Plot size: 30 ft)			Hydrophytic Vegetation Present?	Yes N	lo
1.						
2.						
3.	· -			_		
4.						
	0	= Total Cover		_		
	•					
Remarks: (Include photo numbers here o	or on a separate	e sheet.)				
Active agricultural field						

	cription: (Describe	to the d	-			ndicator	or confirm the al	osence of indicat	ors.)
Depth	Matrix		Redox				- .		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Textu		Remarks
0 - 6	10YR 3/1	100					Silt Lo		
6 - 16	10YR 5/2	60	7.5YR 5/6	40	C	<u>M</u>	Silty Clay	/ Loam	
				- —					
				. —					
				- —					
				- —					
									·
¹Type: C = 0	Concentration, D =	Depleti	on, RM = Reduced	d Mati	rix, MS =	Masked	Sand Grains. ² Lo	ocation: PL = Por	e Lining, M = Matrix.
Hydric Soil	Indicators:			_				Indicators for F	Problematic Hydric Soils ³ :
Histoso			Polyvalue Be	low S	urface (S	8) (LRR I	R, MLRA 149B)	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su						ie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muck	-		(LRR K, I	-)		y Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye						ce (S7) (LRR K, L)
	ed Layers (A5) ed Below Dark Surf	(11	Depleted Ma					Polyvalue E	Below Surface (S8) (LRR K, L)
	ark Surface (A12)	ace (A I	n) Redox Dark Depleted Da		` '			Thin Dark S	Surface (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Depre			1		Iron-Manga	anese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		Redox Depre	233101	13 (1 0)				loodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								lic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent	
	urface (S7) (LRR R, N	MIRA 14	19R1						w Dark Surface (TF12)
Dark 50	77 (LIKE)	VILIO (I -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Other (Expl	ain in Remarks)
3Indicators	of hydrophytic veg	getation	and wetland hyd	rolog	y must be	e presen	t, unless disturbe	d or problematio	
Restrictive	Layer (if observed)	:							
	Type:		None	_		Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									
1									
i									
1									
Ì									

Hydrology Photos



Vegetation Photos





Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-May-30			
Applicant/Owner: NextEra		State: NY	Sampling Point:	W-JJB-09; PEM-1		
Investigator(s): Jake Brillo, Reb	ecca Cosgrove	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	: Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1		
Subregion (LRR or MLRA): LI	RR L	Lat: 43.067556624	3 Long: -78.0623908249	Datum: WGS84		
Soil Map Unit Name: Ontario le	oam, 0 to 3 percent slopes		NWI classific	cation:		
Are climatic/hydrologic condition:	s on the site typical for this time of ye	ar? Yes No	_ ∠ (If no, explain in Remar	ks.)		
Are Vegetation <u></u> , Soil,	or Hydrology significantly dis		al Circumstances" present?	Yes No _ _		
Are Vegetation, Soil,	or Hydrology naturally probl	ematic? (If needed,	explain any answers in Rem	arks.)		
Summary of Findings – A	ttach site map showing sampli	ng point locations, trai	nsects, important featur	es, etc.		
Hydrophytic Vegetation Present?	? Yes No					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes No		
		· ·				
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite iD;	W-JJB-09		
Remarks: (Explain alternative pro	ocedures here or in a separate report)				
TRC covertype is PEM. Circumsta	ances are not normal due to agricultur	ral activities, Wet year				
3.	G					
HYDROLOGY						
Wetland Hydrology Indicators:						
	one is required; check all that apply)		Secondary Indicators (minir	num of two required)		
✓ Surface Water (A1)	Water-Stained Lea	21/05 (PO)	Surface Soil Cracks (B6)			
High Water Table (A2)	Water-stained Lea Aquatic Fauna (B1			Drainage Patterns (B10)		
✓ Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)			
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	, ,	neres on Living Roots (C3)	Crayfish Burrows (C8)			
		0 . ,	Saturation Visible on Ae	rial Imagery (C9)		
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed Plan	nts (D1)		
✓ Algal Mat or Crust (B4)	Recent Iron Reduc	ction in Tilled Soils (C6)	✓ Geomorphic Position (D	2)		
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial I	· · · · · · · · · · · · · · · · · · ·	Remarks)	Microtopographic Relief	(D4)		
✓ Sparsely Vegetated Concave :	Surface (B8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No Depth	(inches): 1				
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland Hydrology Present	? Yes No		
Saturation Present?	Yes No Depth	(inches): 2				
(includes capillary fringe)	·					
	n gauge, monitoring well, aerial photo	c provious inspections) if	vailable:			
Describe Recorded Data (stream	gauge, monitoring well, aeriai prioto:	s, previous irispections), ir	avaliable.			
Remarks:						

Tree Streets are (Diet since 20 ft)	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:		(A)
2.				Total Number of Dominant Species	0	(D)
3.	·			Across All Strata:		(B)
4.				Percent of Dominant Species That		(A (D)
	·			Are OBL, FACW, or FAC:		(A/B)
5				Prevalence Index worksheet:		
6	·			Total % Cover of:	Multiply	By:
7	·			— OBL species 0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft	_)			FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2				— UPL species 0	x 5 =	0
3.				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	-	3 (2)
5						
6				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	vegetation	
	0	= Total Cover		2 - Dominance Test is > 50%		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)	-			3 - Prevalence Index is ≤ 3.01		_
1				4 - Morphological Adaptations		supporting
2				data in Remarks or on a separate s		
				— ✓ Problematic Hydrophytic Vege		
4.				Indicators of hydric soil and wetlar		gy must be
5.	· -			present, unless disturbed or proble	matic	
	-			Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
7	·			breast height (DBH), regardless of h		
8.				Sapling/shrub – Woody plants less t		DBH and
9				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2		20.6.
12				Woody vines – All woody vines grea	iter than 3.	28 π in
	0	= Total Cover		height.		_
Woody Vine Stratum (Plot size: 30 ft)			Hydrophytic Vegetation Present?	Yes N	lo
1.						
2.						
3.	· -			_		
4.						
	0	= Total Cover		_		
	•					
Remarks: (Include photo numbers here o	or on a separate	e sheet.)				
Active agricultural field						

Profile Desc Depth	ription: (Describe Matrix	to the de	epth needed to d Redox			ndicator	or confirm the al	bsence of indicate	ors.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Text	ure	Remarks
0 - 3	5Y 3/1	100			<u></u>		Clay L	-	
3 - 16	10YR 4/1	95	7.5YR 4/6	5		M	Silty Clay		-
				- <u>-</u>				,	-
				-					
				_					
									
				_					
				-					
							<u> </u>		
	oncentration, D =	Depletic	on, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. ² Li		e Lining, M = Matrix.
Hydric Soil I				_		a == .		Indicators for P	roblematic Hydric Soils³:
Histosol	` '		-				R, MLRA 149B)		(A10) (LRR K, L, MLRA 149B)
HISTIC EP	oipedon (A2)		Thin Dark Su Loamy Muck						e Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	•		(LKK K, I	-)	-	/ Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma						te (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11	•					•	elow Surface (S8) (LRR K, L)
	rk Surface (A12)	,	Depleted Dar			1			urface (S9) (LRR K, L)
Sandy M	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				inese Masses (F12) (LRR K, L, R)
Sandy G	leyed Matrix (S4)								loodplain Soils (F19) (MLRA 149B)
Sandy R	edox (S5)								ic (TA6) (MLRA 144A, 145, 149B)
Stripped	l Matrix (S6)							Red Parent	w Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	9B)					-	ain in Remarks)
21 1: 4	61 1 1							•	
-	of hydrophytic veg .ayer (if observed):		and wetland nydr	ology	/ must be	e presen	t, uniess disturbe	d or problematic	•
	Type:	•	None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):		TTOTIC	-		liyanc	Join Frederic.		103 <u>v</u> 110 <u> </u>
	Deptil (iliches).								
Remarks:									

Hydrology Photos



Vegetation Photos





Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-June-12			
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-32;	PEM-1		
Investigator(s): Jake Brillo, Isaa	c Pallant	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	: Agricultural Field	Local relief (concave, conv	rex, none): Concave Slo	ope (%): 1-10		
Subregion (LRR or MLRA): LF	RR L	Lat: 43.055575154	8 Long: -78.0871336163 Dat	tum: WGS84		
Soil Map Unit Name: Ovid silt l	loam, 0 to 3 percent slopes		NWI classification:			
Are climatic/hydrologic conditions	is on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly dis		al Circumstances" present? Yes _	No _ _ _		
Are Vegetation, Soil,	or Hydrology naturally probl	lematic? (If needed,	explain any answers in Remarks.)			
Summary of Findings – A	Attach site map showing sampli	ng point locations, trai	nsects, important features, etc.			
Hydrophytic Vegetation Present?	? Yes No					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland? Yes ./	No		
		1				
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID: W-JJB-32			
Remarks: (Explain alternative pro	ocedures here or in a separate report	£)				
TRC covertype is PEM. Circumsta	ances are not normal due to agricultu	ral activities, Wetter than a	verage year			
	-					
j.						
İ						
HYDROLOGY						
Wetland Hydrology Indicators:	-					
	one is required; check all that apply)		Secondary Indicators (minimum of to	wo required)		
•			✓ Surface Soil Cracks (B6)	NO required,		
Surface Water (A1) High Water Table (A2)	Water-Stained Lea Aquatic Fauna (B1		Drainage Patterns (B10)			
High water Table (A2) Saturation (A3)	Aquatic Fauna (B1 Marl Deposits (B1		Moss Trim Lines (B16)			
Saturation (AS) Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	Crayfish Burrows (C8)			
3646116 Bep33.13 (32,		110103 011 21111.0 1.0013 (,	Saturation Visible on Aerial Image	ery (C9)		
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed Plants (D1)	-		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	✓ Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial I	lmagery (B7) Other (Explain in F	Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave :	Surface (B8)		<u>✓</u> FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No Depth	(inches): 3				
Water Table Present?	Yes No _ _/ Depth	(inches):	Wetland Hydrology Present?	es No		
Saturation Present?		(inches): 0	1			
(includes capillary fringe)			•			
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), if a	available:			
Remarks:						

·				Di	4		
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksho			
	% Cover	Species?	Status	Number of Dominant Sp Are OBL, FACW, or FAC:	ecies mai	2	(A)
1				Total Number of Domina	ant Charias		
2				Across All Strata:	ant species	2	(B)
3.				Percent of Dominant Spe	ocios That		
4				Are OBL, FACW, or FAC:	ecies mac	100	(A/B)
5				Prevalence Index worksh	noot:		
6.				Total % Cover o		Multiply). n
7.				•		Multiply E	•
	0	= Total Cove	er .	OBL species	40	x 1 =	40
Sapling/Shrub Stratum (Plot size: 15 ft)		=		FACW species	0	x 2 =	0
1				FAC species	0	x 3 =	0
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
-				Column Totals	40	(A)	40 (B)
4.				Prevalence Inc	lex = B/A =	1	
5				Hydrophytic Vegetation	Indicators:		
6				1- Rapid Test for Hy		/egetation	
7				2 - Dominance Test		0800000	
	0	_= Total Cove	er	✓ 3 - Prevalence Inde			
Herb Stratum (Plot size:5 ft)				4 - Morphological A		(Drovido c	upporting
1. Ranunculus sceleratus	25	Yes	OBL	data in Remarks or on a			upporting
2. <i>Eleocharis obtusa</i>	15	Yes	OBL	Problematic Hydro			alain)
3.				¹Indicators of hydric soil			
4.				present, unless disturbe		-	y must be
5.				· ·	-	Hatic	
6.				Definitions of Vegetation			
				Tree – Woody plants 3 in			iameter at
7.				breast height (DBH), reg			DIId
8.				Sapling/shrub - Woody p			BH and
9				greater than or equal to			
10				Herb – All herbaceous (n size, and woody plants le			ardiess of
11							00 ft in
12				Woody vines – All woody	vines great	er than 3.2	28 11 111
	40	= Total Cove	er	height.			
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation	Present? \	∕es <u> </u>	o
1.							
2.							
3.							
4.							
" - <u> </u>		= Total Cove	r				
	_	-					
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Profile Desc Depth	cription: (Describe t Matrix	o the c	lepth needed to o			indicato	r or confirm the a	bsence of i	ndicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	2	Remarks
0 - 12	10YR 3/1	96	7.5YR 4/6	4	.,,,,,		Clay Loa		
		_		_					
				-					
		_							
		· —							
		_		_					
		_							
¹Type: C = C	Concentration, D = [Depleti	on, RM = Reduced	d Mat	rix, MS =	Masked	Sand Grains. ² L	 Location: PL	= Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicator	s for Problematic Hydric Soils³:
Histosol	` '						R, MLRA 149B)	2 cm	Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2) stic (A3)		Thin Dark Su Loamy Muck						Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	-		(LNN N,	-)		Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma						Surface (S7) (LRR K, L)
Deplete	d Below Dark Surfa	ce (A1							alue Below Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	rk Su	rface (F7)			Dark Surface (S9) (LRR K, L) Manganese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Redox Depre	oizze	ns (F8)				nont Floodplain Soils (F12) (MLRA 149B)
Sandy G	ileyed Matrix (S4)								: Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)								Parent Material (F21)
Stripped	d Matrix (S6)								Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	LRA 14	9B)					-	(Explain in Remarks)
	of hydrophytic vege	etation	and wetland hyd	rolog	y must b	e preser	nt, unless disturbe	ed or proble	ematic.
	_ayer (if observed):								
	Type:		None	-		Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									

Hydrology Photos



Soil Photos







Project/Site: Excelsior	City/County: Byro	on, Genesee County	Sampling Date: 2019-May-30		
Applicant/Owner: NextEra		State: New York	Sampling Point: W-JDV-09; UPL-1		
Investigator(s):Jeff Vandeveer, IB	P	Section, Township, Range:			
Landform (hillslope, terrace, etc.):	Toe slope	Local relief (concave, convex, none):	Undulatiing Slope (%): 1-10		
Subregion (LRR or MLRA): LRR	L	Lat: 43.0736796 Long:	-78.0916966 Datum: WGS84		
Soil Map Unit Name: Appleton sil	lt loam, 0 to 3 percent slopes		NWI classification: None		
Are climatic/hydrologic conditions o	on the site typical for this time of ye	ear? Yes 🟒 No (If no	o, explain in Remarks.)		
Are Vegetation, Soil,	or Hydrology significantly di		stances" present? Yes 🟒 No		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed, explain ar	ny answers in Remarks.)		
SUMMARY OF FINDINGS – Atta	ach site map showing sampli	ng point locations, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present?	Yes No _ ✓_				
Hydric Soil Present?	Yes No _ _/ _	Is the Sampled Area within a Wetlar	nd? Yes No/_		
Wetland Hydrology Present?	Yes No ∠	If yes, optional Wetland Site ID:			
Remarks: (Explain alternative proce		<u> </u>			
TRC covertype is UPL. Area is uplan	ıd, not all three wetland parameter	's are present. Circumstances are not	: normal due to agricultural activities		
HYDROLOGY					
Wetland Hydrology Indicators: Primary Indicators (minimum of on	oo is required; shock all that apply)	Socondar	ay Indicators (minimum of two required)		
		5 6	y Indicators (minimum of two required) ce Soil Cracks (B6)		
Surface Water (A1) High Water Table (A2)	Water-Stained Lea Aquatic Fauna (B1	aves (D3)	age Patterns (B10)		
Saturation (A3)	Aquatic Fauria (B)		Trim Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide	D C	Dry-Season Water Table (C2)		
Sediment Deposits (B2)		heres on Living Roots (C3) — Crayfi	_ Crayfish Burrows (C8)		
•		Satura	ation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Redu		ed or Stressed Plants (D1)		
Algal Mat or Crust (B4)			norphic Position (D2)		
Iron Deposits (B5) Inundation Visible on Aerial Ima	Thin Muck Surfact agery (B7) Other (Explain in		ow Aquitard (D3) topographic Relief (D4)		
Sparsely Vegetated Concave Su			leutral Test (D5)		
Field Observations:					
Surface Water Present?	Yes No <u></u> Depth	(inches):			
Water Table Present?	Yes No <u></u> ✓ Depth	(inches): Wetland	Hydrology Present? Yes No _✓		
Saturation Present?		(inches):			
(includes capillary fringe)	<u> </u>				
· · · · · · · · · · · · · · · · · · ·	auge, monitoring well, aerial photo	s, previous inspections), if available:			
2000.120.1000.000.200.200.000.000.000.00		, p. 0.1000			
Remarks:					
No positive indication of wetland h	ydrology was observed.				

Tree Stratum (Plot size:30 ft)		Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
Fraxinus americana 2.	5	Yes	FACU	Total Number of Dominant Species		(D)
3.				Across All Strata:	5	(B)
4.				Percent of Dominant Species That	0	(A/B)
5.				Are OBL, FACW, or FAC:		
6.				Prevalence Index worksheet:		_
7.				Total % Cover of:	Multiply	-
	5	= Total Cov	er	OBL species 5	x 1 =	5
Sapling/Shrub Stratum (Plot size:15 ft)		=		FACW species 0	x 2 =	0
1. Rosa multiflora	20	Yes	FACU	FAC species 0	x 3 =	0
2. Fraxinus americana	5	Yes	FACU	FACU species 100	x 4 =	400
3.				UPL species 0	x 5 =	0
4.				Column Totals 105	(A)	405 (B)
5.				Prevalence Index = B/A =	3.9	
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	Vegetation	1
··	25	= Total Cov	or	2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)		10tal cov	Ci	3 - Prevalence Index is $\leq 3.0^{1}$		
1. Solidago canadensis	55	Yes	FACU	4 - Morphological Adaptation		supporting
2. Rosa multiflora	15	Yes	FACU	data in Remarks or on a separate s		
3. Juncus effusus	5	No		Problematic Hydrophytic Veg		
3		INU	OBL	¹Indicators of hydric soil and wetla	,	gy must be
4				present, unless disturbed or proble	ematic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm)		diameter at
7				breast height (DBH), regardless of	_	
8				Sapling/shrub - Woody plants less		JBH and
9				greater than or equal to 3.28 ft (1 r		
10				Herb – All herbaceous (non-woody size, and woody plants less than 3.		gardiess of
11				Woody vines – All woody vines gre		28 ft in
12				height.	iter triair 5	.2010111
	75	_= Total Cov	er		V N	la (
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	res r	NO _ Z _
1						
2						
3						
4						
	0	= Total Cov	er			
Remarks: (Include photo numbers here or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or on a separate or		.50% of dom	ninant specie	es indexed as FAC– or drier).		

Profile Desc Depth	cription: (Describe	to the de	epth needed to do Redox			indicator	or confirm the	absence of indicator	s.)
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	To	xture	Remarks
0 - 14		100	Color (moist)	-/0	Турс		-		Kemarks
0-14	10YR 5/4	100		_			Silty C	lay Loam	
				_					
				_					
				_					
				_					
				_					
				_					
		· ——		_					
		· ——		_					
				_					
				_					
¹Type: C = C	Concentration, D =	Depletio	n, RM = Reduced	Matı	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore l	Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Pro	oblematic Hydric Soils³:
Histosol	I (A1)		Polyvalue Bel	ow S	urface (S	8) (LRR F	R. MLRA 149B)	2 cm Musle (A	10) (LDD K L MLDA 140D)
	oipedon (A2)		Thin Dark Sur						10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Mucky						Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed				•		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mat					Dark Surface	
	d Below Dark Surfa								ow Surface (S8) (LRR K, L)
	ark Surface (A12)	` '	 Depleted Darl)			face (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Depres					_	ese Masses (F12) (LRR K, L, R)
Sandy G	Gleyed Matrix (S4)								odplain Soils (F19) (MLRA 149B)
_	Redox (S5)							•	(TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent M	
		41 DA 140	ND)					Very Shallow	Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	ILKA 145	ів)					Other (Explain	n in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydro	ology	/ must b	e presen	t. unless disturb	ed or problematic.	
•	Layer (if observed):			0.	,		,	р	_
	Type:		None			Lludric	Soil Present?	,	Yes No
			None			riyuric	Joil Flesell:		1es NO _ / _
l 	Depth (inches):	_							
Remarks:									
No positive	indication of hydri	c soils w	as observed.						
Tro positive	a.cacion or ny an		as 0250. rea.						

Photo of Sample Plot







Project/Site: Excelsior	City/County: Byr	on, Genesee County	S	Sampling Date: 2019-May-28		
Applicant/Owner: NextEra		State: Nev	v York Sar	mpling Point: W-JDV-	-04; UPL-1	
Investigator(s): Jeff Vandeveer,	IBP	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Agricultural Field	Local relief (concave, conv	ex, none): No	one	Slope (%): 1-10	
Subregion (LRR or MLRA):	RR L	Lat: 43.0824531	Long: -78	8.0479351 [Datum: WGS84	
Soil Map Unit Name: Appleton	silt loam, 0 to 3 percent slopes			NWI classification:		
Are climatic/hydrologic condition	s on the site typical for this time of ye	ear? Yes No	_✓ (If no, exp	plain in Remarks.)		
Are Vegetation <u></u> ✓, Soil <u>✓</u> ,	or Hydrology significantly di		al Circumstand	ces" present? Ye	es No _ _/	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any ar	nswers in Remarks.)		
SUMMARY OF FINDINGS – A	ttach site map showing sampli	ng point locations, trar	nsects, impo	ortant features, et	c.	
Hydrophytic Vegetation Present?	? Yes No _ _/ _					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes	No⁄_	
		<u> </u>		_		
Wetland Hydrology Present?	Yes No _ ∠	If yes, optional Wetland Si	ite iD:			
Remarks: (Explain alternative pro	ocedures here or in a separate report	t)				
TRC covertype is UPL. Ditches/dr	rain tiles observed, Circumstances are	e not normal due to agricul	tural activities	1		
3,						
HYDROLOGY						
Wetland Hydrology Indicators:						
	one is required; check all that apply)		Secondary In	dicators (minimum c	of two required)	
•			<u>Secondary Indicators (minimum of two req</u> u Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Le			Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B		Moss Trim			
Saturation (A3) Water Marks (B1)	Marl Deposits (B1 Hydrogen Sulfide		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	, ,	heres on Living Roots (C3)	G			
Sediment Deposits (B2)	Oxidized Kilizosp	neres on Living Roots (CS)	-	tion Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)		or Stressed Plants (D1		
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)		hic Position (D2)	•	
Iron Deposits (B5)	Thin Muck Surfac	e (C7)	Shallow A	quitard (D3)		
Inundation Visible on Aerial I	magery (B7) Other (Explain in	Remarks)	Microtopo	ographic Relief (D4)		
Sparsely Vegetated Concave	Surface (B8)		FAC-Neut	ral Test (D5)		
Field Observations:						
Surface Water Present?	Yes No Depth	(inches):				
Water Table Present?	Yes No <u></u> ✓ Depth	(inches):	- Wetland Hvd	lrology Present?	Yes No	
Saturation Present?		(inches):	1	C.		
	тез No <u>_</u> /		-			
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	s, previous inspections), if a	available:			
Remarks:						

				Ta		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
1				Total Number of Dominant Species	. ———	
2				Across All Strata:	3	(B)
3				Percent of Dominant Species That	-	 -
4				- Are OBL, FACW, or FAC:	0	(A/B)
5				Prevalence Index worksheet:		
6				- Total % Cover of:	Multiply	Bv:
7				- OBL species 0	x 1 =	_ 0
	0	= Total Cove	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species 0	x 3 =	0
1				FACU species 120	x 4 =	480
2				- UPL species 0	x 5 =	0
3.				· -		
4.					(A)	480 (B)
5.				Prevalence Index = B/A =		
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	Vegetation	ו
<u> </u>		= Total Cove	r	2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)				3 - Prevalence Index is $\leq 3.0^{1}$		
1. Phleum pratense	25	Yes	FACU	4 - Morphological Adaptation		supporting
2. Poa pratensis	25	Yes	FACU	data in Remarks or on a separate s		
3. Taraxacum officinale	25	Yes	FACU	Problematic Hydrophytic Veg		
4. Trifolium pratense	20	No	FACU	¹Indicators of hydric soil and wetla	-	gy must be
5. Arctium minus	15	No		present, unless disturbed or probl	ematic	
·			FACU	Definitions of Vegetation Strata:		
6. Plantago lanceolata		No No	FACU	Tree – Woody plants 3 in. (7.6 cm)		diameter at
7. Dactylis glomerata	5	No	FACU	breast height (DBH), regardless of		DDUI
8.				Sapling/shrub – Woody plants less greater than or equal to 3.28 ft (1)		DBH and
9				Herb – All herbaceous (non-woody		gardlagg of
10				size, and woody plants less than 3.		gardiess of
11				Woody vines – All woody vines gre		28 ft in
12				height.	ater triair s	.2010111
	120	= Total Cove	er		\/a-a	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	res i	40 <u>7</u>
1				_		
2				_		
3				_		
4				_		
	0	= Total Cove	er			
Remarks: (Include photo numbers here or on a separ	ata chaat \					
Remarks. (include prioto numbers here or on a separ	ate silect.)					
Fallers Calal						
Fallow field						

Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)	Remarks
0 - 14	
10YR 4/3 Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ² Locati Hydric Soil Indicators: Histosol (A1)	
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ² Locati Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Rocks/Gravel Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A12) Depleted Dark Surface (F6) Redox Depressions (F8) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A12) Hydric Soil Present? Hydric Soil Present?	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A12) Depleted Dark Surface (F6) Redox Depressions (F8) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A12) Hydric Soil Present? Hydric Soil Present?	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14	
Histosol (A1) — Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) — Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) — Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) — Loamy Gleyed Matrix (F2) Stratified Layers (A5) — Depleted Matrix (F3) Depleted Below Dark Surface (A11) — Redox Dark Surface (F6) Thick Dark Surface (A12) — Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) — Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Rocks/Gravel Depth (inches): 14	on: PL = Pore Lining, M = Matrix.
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Depleted Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Rocks/Gravel Depth (inches): 14	icators for Problematic Hydric Soils³:
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Depleted Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Rocks/Gravel Depth (inches): 14	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	Coast Prairie Redox (A16) (LRR K, L, R)
	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Rocks/Gravel Hydric Soil Present? Depth (inches): 14	Dark Surface (S7) (LRR K, L)
Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)	Polyvalue Below Surface (S8) (LRR K, L)
	Thin Dark Surface (S9) (LRR K, L)
Sanldy Midcky Militeral (ST) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B)	Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14 Hydric Soil Present?	Piedmont Floodplain Soils (F19) (MLRA 149B)
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Rocks/Gravel Depth (inches): 14 Hydric Soil Present?	Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14 Hydric Soil Present?	Red Parent Material (F21)
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or Restrictive Layer (if observed): Type: Depth (inches): 14 Hydric Soil Present?	Very Shallow Dark Surface (TF12)
Restrictive Layer (if observed): Type: Depth (inches): Rocks/Gravel Hydric Soil Present?	Other (Explain in Remarks)
Restrictive Layer (if observed): Type: Depth (inches): Rocks/Gravel Hydric Soil Present?	problematic.
Depth (inches): 14	
	Yes No/_
Remarks:	

Photo of Sample Plot







Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-June-11				
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-27; UPL-1				
Investigator(s): Jake Brillo, Isaac	c Pallant	Section, Township,	Range:				
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): Flat Slope (%): (
Subregion (LRR or MLRA): LF	RR L	Lat: 43.061196436	2 Long: -78.0859144685 Datum: WG				
Soil Map Unit Name: Lima silt l	oam, 3 to 8 percent slopes		NWI classification:				
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarks.)				
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" present? Yes No _				
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Remarks.)				
SUMMARY OF FINDINGS – A	ttach site map showing sampli	ng point locations, trar	nsects, important features, etc.				
Hydrophytic Vegetation Present?	Yes No _ ✓						
Hydric Soil Present?	Yes No _ _	Is the Sampled Area within	n a Wetland? Yes No/				
Wetland Hydrology Present?	Yes No _ _	If yes, optional Wetland Si	te ID:				
Remarks: (Explain alternative pro	ocedures here or in a separate report	:)					
TRC covertype is LIRL Circumstar	ness are not normal due to agricultur	ral activities Wetter than a	vorago voar				
TRC covertype is OPL. Circumstar	nces are not normal due to agricultui	al activities, wetter than av	verage year				
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of two requir				
Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil Cracks (B6)				
High Water Table (A2)	Aquatic Fauna (B´	13)	Drainage Patterns (B10)				
Saturation (A3)	Marl Deposits (B1	5)	Moss Trim Lines (B16)				
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)					
- 16 - U (-a)			Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Redu		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Iron Deposits (B5)		ction in Tilled Soils (C6)	Geomorphic Position (D2)				
Iron Deposits (B5) Inundation Visible on Aerial Ir	Thin Muck Surfac		Shallow Aquitard (D3) Microtopographic Relief (D4)				
Sparsely Vegetated Concave S		Remarks)	FAC-Neutral Test (D5)				
Field Observations:	Juliace (Bo)		TAC-Neutral rest (D3)				
	Vos No (Donth	(inches)					
Surface Water Present?	•	(inches):					
Water Table Present?	Yes No Depth	(inches):	Wetland Hydrology Present? Yes N				
Saturation Present?	Yes No Depth	(inches):					
(includes capillary fringe)							
	gauge, monitoring well, aerial photo	s, previous inspections), if a	evailable:				
	84486,	s, p. ccasspeca.cs,, c					
Remarks:							

				<u> </u>			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	ecies That	0	(A)
1				Are OBL, FACW, or FAC:	- m + C i		
2				Total Number of Domina Across All Strata:	ant species	1	(B)
3					osios That		<u></u>
4				Percent of Dominant Sp - Are OBL, FACW, or FAC:	ecies mai	0	(A/B)
5				Prevalence Index works	noot:		
6				- Total % Cover of		Multiply	Dv.
7.				- OBL species		Multiply x 1 =	
	0	= Total Cov	er	FACW species	0	-	0
Sapling/Shrub Stratum (Plot size:15 ft)		_		<u> </u>	0	x 2 =	0
1				FAC species	0	x 3 =	0
2.				FACU species	90	x 4 =	360
3.	. ——			- UPL species	0	x 5 =	0
4.	· ——			- Column Totals	90	(A)	360 (B)
	· ·			Prevalence Inc	dex = B/A =	4	
5				Hydrophytic Vegetation	Indicators:		
6				1- Rapid Test for H		egetation	1
7				2 - Dominance Test		U	
	0	_= Total Cov	er	3 - Prevalence Inde			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological A		(Provide	sunnorting
1. Medicago lupulina	75	Yes	FACU	- data in Remarks or on a			3upporting
2. <i>Taraxacum officinale</i>	15	No	FACU	- Problematic Hydro	•		vnlain)
3.				Indicators of hydric soil			-
4.				present, unless disturbe		-	gy must be
5.				Definitions of Vegetation		Tidele	
6.				_		more in	diameter at
7.	. ——			Tree – Woody plants 3 in. (7.6 cm) or more in diamet breast height (DBH), regardless of height.			
8.				Sapling/shrub – Woody			DPU and
9.				greater than or equal to			DBITAIIU
				Herb – All herbaceous (r			gardless of
10				size, and woody plants l			gar diess of
11				Woody vines – All woody			28 ft in
12				height.	, viries great	ici tilali 5	.2016111
	90	_= Total Cov	er		D (2.)	, ,	
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation	Present? Y	res r	No <u>Z</u>
1				_			
2				_			
3.							
4.							
	0	= Total Cov	er	-			
		=					
Remarks: (Include photo numbers here or on a separa	te sheet.)						

	escription: (Desci	ibe to the	depth needed to docu	men	nt the in	dicator	r or confirm the	e absence of indicators.)	
Depth	Matrix		Redox Featu	ıres					
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	e Remarks	
0 - 10	7.5YR 3/2	100		_			Loam		
	<u> </u>								
				_					
				_			-		
				_				 -	
				_					—
				-					
				-					
				-					
				_					
				_					
				_					
¹Type: C =	Concentration,	D = Deple	tion, RM = Reduced Ma	trix,	MS = N	/lasked	Sand Grains.	² Location: PL = Pore Lining, M = Matrix.	
Hydric So	il Indicators:							Indicators for Problematic Hydric Soils ³ :	
Histos	sol (A1)		Polyvalue Below	Surf	ace (S8) (LRR F	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)	
Histic	Epipedon (A2)		Thin Dark Surface	e (S	9) (LRR I	R, MLRA	A 149B)	Coast Prairie Redox (A16) (LRR K, L, R)	
Black	Histic (A3)		Loamy Mucky Mi	nera	al (F1) (L	RR K, L	_)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)	
Hydro	gen Sulfide (A4)		Loamy Gleyed Ma		(F2)			Dark Surface (S7) (LRR K, L)	
	fied Layers (A5)		Depleted Matrix					Polyvalue Below Surface (S8) (LRR K, L)	
			11) Redox Dark Surfa					Thin Dark Surface (S9) (LRR K, L)	
	Dark Surface (A1		Depleted Dark Su					Iron-Manganese Masses (F12) (LRR K, L, R)	
Sandy	Mucky Mineral	(S1)	Redox Depressio	ns (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)	
Sandy	/ Gleyed Matrix (S4)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)	
Sandy	/ Redox (S5)							Red Parent Material (F21)	
Stripp	ed Matrix (S6)							Very Shallow Dark Surface (TF12)	
Dark	Surface (S7) (LRR	R, MLRA 1	49B)					Other (Explain in Remarks)	
-			n and wetland hydroloរូ	gy m	nust be	presen	it, unless distur	bed or problematic.	
	e Layer (if obsen								
	Type:	hard rock	/ gravel encountered			Hydri	c Soil Present?	Yes No <u>_</u> ✓	
	Depth (inches):		10						
Remarks:									

Hydrology Photos



Vegetation Photos





Photo of Sample Plot









Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-May-31			
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-1	0; UPL-2		
Investigator(s): Jake Brillo, Rebe	ecca Cosgrove	Section, Township,	Range:			
Landform (hillslope, terrace, etc.):	: Agricultural Field	Local relief (concave, conv	ex, none): Flat	Slope (%): 0-1		
Subregion (LRR or MLRA): LF	RR L	Lat: 43.066909302	6 Long: -78.062511538 D	atum: WGS84		
Soil Map Unit Name: Collamer	silt loam, 2 to 6 percent slopes		NWI classification:			
Are climatic/hydrologic conditions	s on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di		al Circumstances" present? Ye	s No _ _/		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Remarks.)			
Summary of Findings – A	ttach site map showing sampli	ng point locations, trar	nsects, important features, etc	: .		
Hydrophytic Vegetation Present?	? Yes No _ _					
Hydric Soil Present?	Yes No	Is the Sampled Area within	n a Wetland? Yes	No		
		ł				
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:			
Remarks: (Explain alternative pro	ocedures here or in a separate report	t)				
TRC covertyne is LIPL Circumsta	nces are not normal due to agricultui	ral activities. Wetter than av	verage vear			
The covertype is of E. circumstal	nces are not normal due to agricultul	rai activities, wetter triair at	rerage year			
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of	two required)		
Surface Water (A1)	Water-Stained Le		Surface Soil Cracks (B6)			
High Water Table (A2)	Aquatic Fauna (B´		Drainage Patterns (B10)			
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16) Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide		- C.I (-0)			
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)			
Duift Danasite (D2)	Duagana of Dady	and lung (CA)				
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Redu	ction in Tilled Soils (C6)	Stunted or Stressed Plants (D1))		
Algai Mat of Crust (B4) Iron Deposits (B5)	Recent from Redu Thin Muck Surfac		Geomorphic Position (D2)			
Inundation Visible on Aerial I			Shallow Aquitard (D3) Microtopographic Relief (D4)			
Sparsely Vegetated Concave S		nemarks)	FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No <u></u> ✓ Depth	(inches):				
	•	· · · · · · · · · · · · · · · · · · ·		.,		
Water Table Present?	·	(inches):	Wetland Hydrology Present?	Yes No		
Saturation Present?	Yes No Depth	(inches):				
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	s. previous inspections), if a	available:			
	0 · 0 · 7 · · · · · · · · · · · · · · ·	.,,				
Remarks:						

Tree Stratum (Plot size:30 ft)	Absolute	Dominant	Indicator	Dominance Test workshee	et:		
1.	% Cover	Species?	Status	Number of Dominant Spe Are OBL, FACW, or FAC:	cies That	0	(A)
				Total Number of Dominar	nt Species	2	(D)
				Across All Strata:			(B)
4				Percent of Dominant Spec	cies That	0	(A/B)
				Are OBL, FACW, or FAC:			(, (, D)
-				Prevalence Index workshe	eet:		
·				Total % Cover of:	<u>:</u>	<u>Multiply</u>	By:
7		Tatal Car		OBL species	0	x 1 =	0
S 1: (S) (S) (B) (1 1 1 1 1 1 1 1 1	0	= Total Cov	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x 3 =	0
1				FACU species	45	x 4 =	180
2				UPL species	0	x 5 =	0
3				Column Totals	45	(A)	180 (B)
4				Prevalence Inde		-	
5							
6				Hydrophytic Vegetation In		logotation	
7				1- Rapid Test for Hyc 2 - Dominance Test i		regetation	1
	0	= Total Cov	er				
Herb Stratum (Plot size:5 ft)		_		3 - Prevalence Index			
1. Poa pratensis	30	Yes	FACU	4 - Morphological Ad			supporting
2. <i>Ambrosia artemisiifolia</i>	15	Yes	FACU	data in Remarks or on a s	•		(gialay
3.				Problematic Hydrop	-		
4.				¹Indicators of hydric soil a		-	gy must be
5.				present, unless disturbed		Hatic	_
6.				Definitions of Vegetation S			-U
-				Tree – Woody plants 3 in.			diameter at
7.				breast height (DBH), regar		_	DDUI
8.				Sapling/shrub - Woody pl			рвн and
9				greater than or equal to 3			
10				Herb – All herbaceous (no size, and woody plants les	-		gardiess of
11				Woody vines – All woody			20 ft in
12				height.	viries grea	ter triair 3	.20 11 111
	45	= Total Cov	er				
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation F	resent? \	/es ľ	No
1							
2.							
3.			<u> </u>				
4.							
-	0	= Total Cov	er				
		-					
Remarks: (Include photo numbers here or on a separ	ate sneet.)						
Active agricultural field							

	cription: (Describe t	to the d	•			indicator	or confirm the al	bsence of indicator	rs.)	
Depth	Matrix		Redox				_			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Text		Remarks	
0 - 16	10YR 4/4	98	7.5YR 5/6	2	C	<u>M</u>	Silty Cla	y Loam		
		- —								
						· <u></u>		_		
					-					
		_								
		-		- —						
1Typo: C = C	Concentration, D = I	Doploti	on DM - Poduco	- <u>-</u>	riv MC -	Macked	Sand Grains 21	ocation: DL - Doro	Lining M - Matrix	
		Depleti	ori, Rivi – Reduced	ı ıvıat	11X, 1VI3 -	Maskeu	Sanu GranisLi			
Hydric Soil			Determine =	.1	·	-0) (1 55 -	MIDA 4405		oblematic Hydric Soils³:	
Histoso			Polyvalue Be Thin Dark Su						(10) (LRR K, L, MLRA 149B)	
Black Hi	oipedon (A2)		Loamy Muck						Redox (A16) (LRR K, L, R)	
	en Sulfide (A4)		Loamy Gleye	-		(LNN N, L)		Peat or Peat (S3) (LRR K, L, R)	
	d Layers (A5)		Depleted Ma					Dark Surface		
	d Below Dark Surfa	ice (A11							low Surface (S8) (LRR K, L)	
	ark Surface (A12)		Depleted Da)			rface (S9) (LRR K, L)	
Sandy N	lucky Mineral (S1)		Redox Depre	essio	ns (F8)				ese Masses (F12) (LRR K, L, R)	
Sandy C	Gleyed Matrix (S4)		•						odplain Soils (F19) (MLRA 149B)	
	ledox (S5)								(TA6) (MLRA 144A, 145, 149B)	
-	d Matrix (S6)							Red Parent M		
	rface (S7) (LRR R, M	ILRA 14	9B)						Dark Surface (TF12)	
	,		•					Other (Explai	n in Remarks)	
3Indicators	of hydrophytic veg	etation	and wetland hyd	rolog	y must b	e presen	t, unless disturbe	d or problematic.		
Restrictive	Layer (if observed):									
	Type:		None	_		Hydric	Soil Present?		Yes No	
	Depth (inches):			_						
Remarks:										
Ì										
Ì										
Ì										

Vegetation Photos





Photo of Sample Plot



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsior	City/County: Byro	on, Genesee	Sampling Date: 2019-May-30
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB-08; UPL-1
Investigator(s): Jake Brillo, Reb	ecca Cosgrove	Section, Township,	Range:
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concave, conv	ex, none): Flat Slope (%): 0-1
Subregion (LRR or MLRA): L	RR L	Lat: 43.066210239	2 Long: -78.0575590768 Datum: WGS84
Soil Map Unit Name: Ovid silt l	oam, 0 to 3 percent slopes		NWI classification:
Are climatic/hydrologic condition:	s on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarks.)
Are Vegetation <u></u> ✓, Soil,	or Hydrology significantly di		al Circumstances" present? Yes No
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed,	explain any answers in Remarks.)
Summary of Findings – A	ttach site map showing sampli	ng point locations, trar	nsects, important features, etc.
Hydrophytic Vegetation Present?	Yes No _ ✓		
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland? Yes No/
		<u> </u>	
Wetland Hydrology Present?	Yes No _ _	If yes, optional Wetland S	te iD:
Remarks: (Explain alternative pro	ocedures here or in a separate report	()	
I			
TRC covertype is UPL. Circumsta	nces are not normal due to agricultur	ral activities	
11/220105/			
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all that apply)		Secondary Indicators (minimum of two required)
Surface Water (A1)	Water-Stained Lea	aves (B9)	Surface Soil Cracks (B6)
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10)
Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)
Water Marks (B1)	Hydrogen Sulfide	Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Oxidized Rhizosp	heres on Living Roots (C3)	Crayfish Burrows (C8)
			Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Redu		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface		Shallow Aquitard (D3)
Inundation Visible on Aerial I		Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave : Field Observations:	Surface (Bo)		FAC-Neutral Test (D5)
	Van Na (Danth	(i.e. ala a a).	
Surface Water Present?	·	(inches):	
Water Table Present?	Yes No / Depth	(inches):	Wetland Hydrology Present? Yes No/
Saturation Present?	Yes No <u>_</u> Depth	(inches):	
(includes capillary fringe)			
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	s, previous inspections), if a	available:
Remarks:			
Terriaries.			

VEGETATION -- Use scientific names of plants.

'							
Tree Stratum (Plot size: 30 ft)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	pecies That	0	(A)
1				Are OBL, FACW, or FAC:			`
2.				Total Number of Domin	ant Species	1	(B)
3.				Across All Strata:			`
4.				Percent of Dominant Sp	ecies That	0	(A/B)
5				Are OBL, FACW, or FAC:			`_
6				Prevalence Index works			
7.				Total % Cover of	<u>of:</u>	Multiply	<u>By:</u>
/·	0	= Total Cov	or	OBL species	0	x 1 =	0
Carolina/Charob Charterina (Diatoina) 15 ft		_ 10tal Cov	ei	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species	0	x 3 =	0
1				FACU species	45	x 4 =	180
				UPL species	0	x 5 =	0
3				Column Totals	45	(A)	180 (B)
4				Prevalence Inc		4	(=)
5							
6.				Hydrophytic Vegetation			
7.				1- Rapid Test for H		'egetation	
	0	= Total Cov	er	2 - Dominance Tes			
Herb Stratum (Plot size:5 ft)		_		3 - Prevalence Inde			
1. Poa pratensis	45	Yes	FACU	4 - Morphological /			supporting
2.		103	17100	data in Remarks or on a			
3.				Problematic Hydro			
-				¹ Indicators of hydric soil		-	gy must be
4				present, unless disturbe	ed or probler	matic	
5				Definitions of Vegetation	n Strata:		
6				Tree – Woody plants 3 ir			diameter at
7				breast height (DBH), reg	ardless of h	eight.	
8				Sapling/shrub – Woody			DBH and
9				greater than or equal to			
10				Herb – All herbaceous (r	-		gardless of
11.				size, and woody plants l			
12.				Woody vines – All wood	y vines great	er than 3.	.28 ft in
	45	= Total Cov	er	height.			
Woody Vine Stratum (Plot size: 30 ft)		_		Hydrophytic Vegetation	Present?	/es N	lo <u> / </u>
1.							
2.							
3.							
· -							
4							
	0	_= Total Cov	er				
Remarks: (Include photo numbers here or on a separat	e sheet.)						
Active agricultural field							
Active agricultural field							

	cription: (Describe	to the de	-			indicato	r or confirm the al	osence of inc	dicators.)
Depth	Matrix		Redox			12	T.,		Demonde
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0 - 12	10YR 3/3	100		_			Clay Loar	<u>m</u>	
				_					
				_					
				_					
¹Tvpe: C = 0	Concentration, D =	Depletio	n. RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. ² Lo	ocation: PL =	Pore Lining, M = Matrix.
Hydric Soil		- 1	,		,				for Problematic Hydric Soils ³ :
Histoso			Polyvalue Re	ow S	iurface (S	8) (I RR	R, MLRA 149B)		,
	oipedon (A2)		Thin Dark Su						luck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)				lucky Peat or Peat (S3) (LRR K, L, R) urface (S7) (LRR K, L)
Stratifie	d Layers (A5)		Depleted Ma	trix (l	F3)				ur Below Surface (S8) (LRR K, L)
Deplete	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)				ark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)			anganese Masses (F12) (LRR K, L, R)
Sandy N	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				ont Floodplain Soils (F19) (MLRA 149B)
Sandy 0	Gleyed Matrix (S4)								Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								rent Material (F21)
Strippe	d Matrix (S6)								nallow Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, N	ILRA 149	9B)					-	Explain in Remarks)
21	-£	-4-4:							
	of hydrophytic veg Layer (if observed):		and wettand nydi	olog	y must b	e preser	it, uniess disturbe	d or problem	nauc.
resu reuve	Type:		None			Hydric	Soil Present?		Yes No⁄_
	Depth (inches):	-	None	•		liyanc	John resent:		163 NO <u></u>
	Depth (inches):								
Remarks:									



Photo of Sample Plot



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsior	City/County: By	ron, Genesee		Sampling Date: 201	9-June-11
Applicant/Owner: NextEra		State: NY	S	ampling Point: W-JJB-	27; PEM-1
Investigator(s): Jake Brillo, Isaac	: Pallant	Section, Township,	Range:		
Landform (hillslope, terrace, etc.):	Swale	Local relief (concave, conv	ex, none):(Concave	Slope (%): 0-1
Subregion (LRR or MLRA):	RR L	Lat: 43.061048034	6 Long: -	78.0858381093	Datum: WGS84
Soil Map Unit Name: Appleton	silt loam, 0 to 3 percent slopes			NWI classification	: R4SBAx
Are climatic/hydrologic conditions	s on the site typical for this time of y	rear? Yes No	_ ∠ (If no, e	explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology significantly o	listurbed? Are "Norm	al Circumsta	nces" present?	′es No _
Are Vegetation, Soil <u></u> ✓,	or Hydrology naturally prol	olematic? (If needed,	explain any	answers in Remarks.)	
SUMMARY OF FINDINGS – A	ttach site map showing sampl	ing point locations, trai	nsects, imp	oortant features, e	tc.
Hydrophytic Vegetation Present?	Yes _ ✓ _ No				
Hydric Soil Present?	Yes _ 🗸 No	Is the Sampled Area withi	in a Wetland	? Yes _	✓_ No
Wetland Hydrology Present?	Yes _ ∠ _ No	If yes, optional Wetland S	ite ID:	W-JJE	I-27
	ocedures here or in a separate repor				
Remarks. (Explain alternative pro	cedures here of in a separate repor	·)			
TDC covertype is DEM. Active Ag	field and wetter than average year				
TRC covertype is PEIVI. Active Ag I	field and wetter than average year				
HYDROLOGY					
Wetland Hydrology Indicators:					
	one is required; check all that apply)	Secondary I	Indicators (minimum	of two required)
✓ Surface Water (A1)	Water-Stained Le		-	Soil Cracks (B6)	•
✓ High Water Table (A2)	Aquatic Fauna (E		Drainag	e Patterns (B10)	
✓ Saturation (A3)	Marl Deposits (B		Moss Tr	im Lines (B16)	
Water Marks (B1)	Hydrogen Sulfide	e Odor (C1)		son Water Table (C2)	
Sediment Deposits (B2)	Oxidized Rhizosr	oheres on Living Roots (C3)		Burrows (C8)	
				on Visible on Aerial Im	0 ,
Drift Deposits (B3)	Presence of Redu			or Stressed Plants (D	1)
Algal Mat or Crust (B4)		uction in Tilled Soils (C6)		rphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surfa			Aquitard (D3)	
Inundation Visible on Aerial Ir Sparsely Vegetated Concave S		Remarks)		pographic Relief (D4) utral Test (D5)	
Field Observations:	ouriace (Bo)			atiai iest (D3)	
Surface Water Present?	Yes _✓_ No Dept	h (inches): 2			
Water Table Present?	•		- Motland Hy	drology Present?	Vos. / No
	·		welland ny	drology Present?	Yes No
Saturation Present?	Yes No Dept	h (inches):	-		
(includes capillary fringe)					
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	os, previous inspections), if	available:		
Remarks:					

VEGETATION -- Use scientific names of plants.

'				<u> </u>			
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksh			
	% Cover	Species?	Status	Number of Dominant Sp	oecies That	1	(A)
1				Are OBL, FACW, or FAC:	+ Ci		
2				Total Number of Domin Across All Strata:	ant Species	1	(B)
3.				Percent of Dominant Sp	ocios That		
4				Are OBL, FACW, or FAC:	iecies mat	100	(A/B)
5				Prevalence Index works	hoot:		
6				Total % Cover of		Multiply E	Rv.
7.				OBL species	85	x 1 =	95. 85
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)		_		FAC species		_	
1				_	0	x 3 =	0
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
4.				Column Totals	85	(A)	85 (B)
5.	-			Prevalence Inc	dex = B/A =	1	
6.				Hydrophytic Vegetation	Indicators:		
	-			1- Rapid Test for H	ydrophytic V	egetation	
7		Tatal Carr		_ ✓ 2 - Dominance Tes	t is >50%		
	0	= Total Cove	er	3 - Prevalence Inde	ex is ≤ 3.0 ¹		
Herb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological	Adaptations ¹	(Provide s	upporting
1. <i>Typha angustifolia</i>	85	Yes	OBL	data in Remarks or on a	separate sh	eet)	
2				Problematic Hydro	phytic Vege	tation¹ (Exp	olain)
3				¹Indicators of hydric soi	l and wetlan	d hydrolog	y must be
4				present, unless disturbe	ed or probler	matic	
5				Definitions of Vegetatio	n Strata:		
6				Tree - Woody plants 3 in	n. (7.6 cm) or	more in d	iameter at
7.				breast height (DBH), reg	gardless of h	eight.	
8.				Sapling/shrub - Woody	plants less tl	han 3 in. D	BH and
9.				greater than or equal to	3.28 ft (1 m) tall.	
10.				Herb – All herbaceous (I	non-woody)	plants, reg	ardless of
11.	· ——			size, and woody plants l	ess than 3.2	8 ft tall.	
12.				Woody vines - All wood	y vines great	er than 3.2	28 ft in
	85	= Total Cove	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_ Total Cove	-1	Hydrophytic Vegetation	Present?	∕es _∠_ No	0
1.							
2							
3.							
4							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a separat	te sheet.)						

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks
- Color (moist) % Color (moist) % Type Loc Texture Remarks
¹ Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ² Location: PL = Pore Lining, M = Matrix.
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :
Historial (A1)
Histosof (A1) — Polyvalue Below Surface (S8) (LRR R, MLRA 149B) — 2 cm Muck (A10) (LRR K, L, MLRA 149B) — 2 cm Muck (A10) (LRR K, L, MLRA 149B) — Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L)
Stratified Layers (A5) — Depleted Matrix (F3) — Polyvalue Below Surface (S8) (LRR K. L)
Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K. L.)
Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Depressions (F8)
Sandy Midcky Miller at (51) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4)
Sandy Redox (S5) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5)
Stripped Matrix (SS)
Devils Surface (C7) (LDD D. MLDA 140D)
Dark Surface (5/) (LRR R, MLRA 1498) Other (Explain in Remarks)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Type: None Hydric Soil Present? Yes _ Vo
Depth (inches):
Remarks:
Soils were assumed to be hydric due to the presence of inundation, FACW and OBL vegetation species, and a definitive wetland boundary.

Hydrology Photos



Vegetation Photos

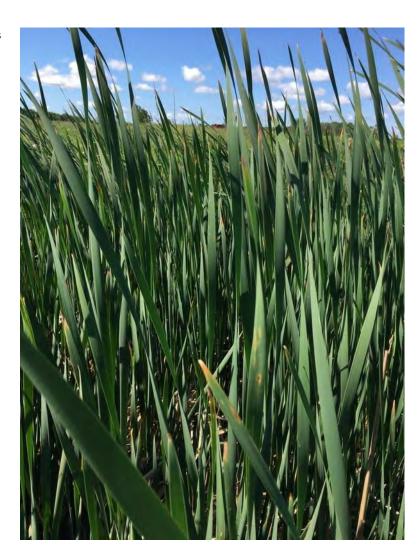




Photo of Sample Plot





