# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion	/County: Byron, Ge	enesee			Sampling Date: 2019-June-12				
Applicant/Owner: N	cant/Owner: NextEra			State: NY			Sampling Point:	W-JJB-34; PEM-1	
Investigator(s): Jake Brillo, Isaac Pallant Se					n, Township, Ra	inge:			
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local	l relief (c	oncave, convex	, none):	Concave	Slope (%): 1-10	
Subregion (LRR or MLF	RA): LRR	<u> </u>		Lat: 4	3.0547694443	Long:	-78.0868689158	Datum: WGS84	
Soil Map Unit Name:	Romulus silt	loam, 0 to 3 percent	t slopes				NWI classifi	cation:	
Are climatic/hydrologic	c conditions or	n the site typical for t	this time of year?		Yes No	∠ (If no	, explain in Remar	rks.)	
Are Vegetation,	Soil,	or Hydrology s	significantly disturbe	ed?	Are "Normal (	Circums	tances" present?	Yes No 🟒	
Are Vegetation,	Soil,	or Hydrology r	naturally problemat	ic?	(If needed, ex	plain ar	y answers in Rem	narks.)	

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-34						
Remarks: (Explain alternative procedures here or in a separate report)									
TRC covertype is PEM. Circumstances are	not normal due to agricul	tural activities, Wetter than average year							

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	ne is required; check all t	<u>that apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquati Marl D Hydrog	Stained Leaves (B9) c Fauna (B13) ieposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Living	g Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>		<ul> <li></li></ul>		
Field Observations:				
Surface Water Present? Water Table Present?	Yes 🟒 No Yes No _ <b>_</b>	Depth (inches): Depth (inches):	2	Wetland Hydrology Present? Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	_
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring well, a	erial photos, previous ins	pections), if	available:

Sampling Point: W-JJB-34; PEM-1

T <u>ree Stratum</u> (Plot size: <u>30 ft</u> ) 1.		Dominant Species?	Indicator Status	Dominance Test work Number of Dominant Are OBL, FACW, or FA	Species That	2	(A)
2.				Total Number of Dom Across All Strata:	iinant Species	2	(B)
3 				Percent of Dominant Are OBL, FACW, or FA		100	(A/B)
				Prevalence Index wor	ksheet:		
				- <u>Total % Cove</u>	er of:	<u>Multiply</u>	By:
7		Tabal Car		- OBL species	25	x 1 =	25
	0	= Total Cov	er	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x 3 =	0
				- FACU species	0	x 4 =	0
				- UPL species	0	x 5 =	0
				- Column Totals	25	(A)	25 (B)
·				- Prevalence	Index = B/A =	1	
				Hydrophytic Vegetatio	on Indicators:		
				1- Rapid Test for		/egetation	ı
				2 - Dominance T		-8	
	0	= Total Cov	er	✓ 3 - Prevalence In			
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphologica		<sup>1</sup> (Provide	supporting
. Ranunculus sceleratus	15	Yes	OBL	- data in Remarks or or		-	
e. Eleocharis obtusa	10	Yes	OBL	Problematic Hyd			xplain)
3				<sup>1</sup> Indicators of hydric s	oil and wetlan	d hydrold	gy must be
				present, unless distur		-	
				Definitions of Vegetat	ion Strata:		
				Tree – Woody plants 3	3 in. (7.6 cm) oi	r more in	diameter a
7				breast height (DBH), r	egardless of h	eight.	
3.				Sapling/shrub - Wood			DBH and
)				greater than or equal			
0				Herb – All herbaceous			gardless of
1				size, and woody plant			
2				Woody vines – All woo	ody vines great	ter than 3	.28 ft in
	25	= Total Cov	er	height.			
		-		Hydrophytic Vegetati	ion Present?	res 🟒 I	No
				1			
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )  2				_			
				-			
				-			

## Sampling Point: W-JJB-34; PEM-1

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup> Te	exture	Remarks
0 - 12	10YR 3/2	85	2.5YR 3/6	15		Silty	lay Loam	
		· <u> </u>		: <u>—</u>				
		·		·				
		·		·				
		·		·				
be: C = C	Concentration, D = I	Depleti	on, RM = Reduce	d Mat	rix, MS =	Masked Sand Grains.	<sup>2</sup> Location: PL = Pore Lining, M	= Matrix.
	Indicators:						Indicators for Problematic	: Hydric Soils <sup>3</sup> :
Histosol						8) (LRR R, MLRA 149B)	2 cm Muck (A10) (LRR	K, L, MLRA 149B)
	oipedon (A2) istic (A3)		Thin Dark Su				Coast Prairie Redox (A	16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Muck Loamy Gleye			(LKK N, L)	5 cm Mucky Peat or Pe	
	d Lavers (A5)		Depleted Ma				Dark Surface (S7) (LRR	
	d Below Dark Surfa	ice (A1					Polyvalue Below Surfa	
Thick Da	ark Surface (A12)		Depleted Da	ark Su	rface (F7)		Thin Dark Surface (S9)	
andy N	lucky Mineral (S1)		Redox Depr	essior	ns (F8)		Iron-Manganese Mass Piedmont Floodplain S	
Sandy G	Gleyed Matrix (S4)						Mesic Spodic (TA6) (MI	
Sandy R	Redox (S5)						Red Parent Material (F	
Stripped	d Matrix (S6)						Very Shallow Dark Sur	
ou.bbc.							Other (Explain in Rema	
	rface (S7) <b>(LRR R, N</b>	ILRA 14	+9D)					
Dark Su dicators	of hydrophytic veg	etation		Irolog	y must be	e present, unless distu	bed or problematic.	
Dark Su licators	of hydrophytic veg L <b>ayer (if observed):</b>	etation	and wetland hyd	lrolog	y must be			
Dark Su licators	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation		Irolog	y must be	e present, unless distu Hydric Soil Present?	bed or problematic. Yes N	No
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b>	etation	and wetland hyd	Irolog	y must be			No
Dark Su icators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su icators <b>rictive l</b>	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su icators rictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su icators rictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su cators rictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su icators rictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su cators rictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			١o
Dark Su icators rictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			۱o
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			۷o
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su dicators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su dicators	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su dicators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No
Dark Su licators trictive l	of hydrophytic veg L <b>ayer (if observed):</b> Type:	etation	and wetland hyd	Irolog	y must be			No

Hydrology Photos



Vegetation Photos

Soil Photos



Photo of Sample Plot







# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsion		City/County:	Byron, Genesee	County		Sampling Date:	2019-May-30
Applicant/Owner: N	lextEra			State:	New York	Sampling Point:	W-JDV-09; PEM-1
Investigator(s): Jeff	Vandeveer, IBF	)	Sect	tion, Towns	hip, Range:		
Landform (hillslope, te	errace, etc.):	Toe slope	Local relief	(concave, c	onvex, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR I	L	Lat:	43.073694	6 Long:	-78.0917053	Datum: WGS84
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 percent slopes				NWI classifi	cation: None
Are climatic/hydrologi	c conditions or	n the site typical for this time	of year?	Yes 🖌	No (If no	o, explain in Rema	ırks.)
Are Vegetation, Are Vegetation,		or Hydrology significan or Hydrology naturally	•			tances" present? y answers in Rem	

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-09					
Remarks: (Explain alternative procedures here or in a separate report)								
TRC covertype is PEM. Area is wetland, all th	nree wetland parameters a	are present. Circumstances are not normal due to ag	gricultural activities					

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	e is required; check all that apply)	Secondary Indicators (minimum of two required)		
<ul> <li> Surface Water (A1)</li> <li> High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li> Water Marks (B1)</li> <li> Sediment Deposits (B2)</li> </ul>	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li> Surface Soil Cracks (B6)</li> <li>✓ Drainage Patterns (B10)</li> <li> Moss Trim Lines (B16)</li> <li> Dry-Season Water Table (C2)</li> <li> Crayfish Burrows (C8)</li> <li> Saturation Visible on Aerial Imagery (C9)</li> </ul>		
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>		
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): 4			
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring well, aerial photos, previous inspections), if	available:		
	drology was observed (primary and secondary indicators wer	e present).		

Sampling Point: W-JDV-09; PEM-1

ree Stratum (Plot size: <u>30 ft</u> )	Absolute	e Dominant	Indicator	Dominance Test works			
	% Cover	Species?	Status	Number of Dominant S		1	(A)
				Are OBL, FACW, or FAC			
				Total Number of Domi	nant Species	1	(B)
				Across All Strata:			
				<ul> <li>Percent of Dominant S</li> <li>Are OBL, FACW, or FAC</li> </ul>		100	(A/B)
				Prevalence Index work			
				- Total % Cover		Multiply	Bv:
·				- OBL species	65	x 1 =	65
	0	= Total Cov	er	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x 3 =	0
				FACU species	0	× 4 =	0
·				UPL species	0	x 5 =	0
				Column Totals	65	-	-
				-		(A)	65 (B)
				Prevalence In		1	
				Hydrophytic Vegetation			
				1- Rapid Test for I		egetation/	
· · · · · · · · · · · · · · · · · · ·	0	= Total Cov	er	2 - Dominance Te			
lerb Stratum (Plot size: <u>5 ft</u> )				3 - Prevalence Inc	lex is $\leq 3.0^1$		
. Typha angustifolia	65	Yes	OBL	4 - Morphological		-	supportin
			002	- data in Remarks or on	•	-	
		·		Problematic Hydr	1 9 0		
· · · · · · · · · · · · · · · · · · ·	<u> </u>			<sup>1</sup> Indicators of hydric so			gy must be
	·	·		present, unless disturb		matic	
	·	·		Definitions of Vegetation			
		·		Tree – Woody plants 3			diameter a
	·	·		breast height (DBH), re			
	·	·		Sapling/shrub - Woody			BH and
·		·		greater than or equal t			ardlace of
0		·		Herb – All herbaceous size, and woody plants			gardiess of
1				Woody vines – All wood			20 ft in
2				height.	uy villes great	ter triari 5.	201111
	65	= Total Cov	er				
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetatic	m Present?	res 🟒 N	0
				_			
3				_			
k							
	0	= Total Cov	er				
		_					

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 4	10YR 4/3	100					Silty Clay	
4 - 11	10YR 4/2	80	2.5Y 2.5/1	10	D	М	Clay	
4 - 11	10YR 4/2	80	2.5YR 4/4	10	С	М	Clay	
11 - 16	10YR 5/1	95	2.5Y 2.5/1	5	D	Μ	Clay	
					<u> </u>			
					<u> </u>			·
	Concentration, D =	Depletio	on, RM = Reduced	l Matr	rix, MS =	Masked San	d Grains. <sup>2</sup> Lo	ocation: PL = Pore Lining, M = Matrix.
Histoso	Indicators:		Polyvalue Be					Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) (LRR K, L, MLRA 149B)
Hydrog Stratifie Deplete Thick Da Sandy N Sandy C Sandy F Sandy F	istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surf ark Surface (A12) Aucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, I</b>		Depleted Da Redox Depre	d Ma trix (F Surfac rk Sur	trix (F2) F3) ce (F6) face (F7)			<ul> <li>Coast Prairie Redox (A16) (LRR K, L, R)</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, L, R)</li> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
ndicators	of hydrophytic ve	getation	and wetland hyd	rology	/ must be	e present, ur	less disturbe	d or problematic.
estrictive	Layer (if observed)	:						
	Туре:		None			Hydric Soil	Present?	Yes 🟒 No
	Depth (inches):							

Vegetation Photos



Soil Photos







# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsior City/County			ounty: Elba, Genes	ee		Sampling Date:	2019-June-06	
Applicant/Owner:	licant/Owner: NextEra			State: NY	Sampling Point: W-JJB-20; UPL-1			
Investigator(s): Jake	Section, Township, Ra	inge:						
Landform (hillslope, te	errace, etc.):	Agricultural Field	Local re	elief (concave, convex	, none):	Flat	Slope (%):	10-20
Subregion (LRR or ML	RA): LRR	R		Lat: 43.0462484435	Long:	-78.1089931168	Datum: WG	iS84
Soil Map Unit Name:	Romulus sil	t loam, 0 to 3 percent sl	opes			NWI classific	cation:	
Are climatic/hydrologi	c conditions o	n the site typical for this	s time of year?	Yes 🟒 No 🔄	(lf n	o, explain in Rema	rks.)	
Are Vegetation 🟒,	Soil 🟒,	or Hydrology sign	nificantly disturbed	? Are "Normal (	Circums	tances" present?	Yes No _	1
Are Vegetation 🟒,	Soil 🟒,	or Hydrology nati	urally problematic?	(If needed, ex	plain ar	ny answers in Rem	arks.)	

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:							
Remarks: (Explain alternative procedures here or in a separate report)									
TRC covertype is UPL. Active agriculture fi	eld								

ne is required; check all	Secondary Indicators (minimum of two required)				
Aquati Marl D Hydro	ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1)	oots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>		
Recen Thin M	t Iron Reduction in Tilled Soils luck Surface (C7)	s (C6)	<ul> <li></li></ul>		
Yes No 🟒	Depth (inches):				
Yes 🟒 No	Depth (inches):	8	Wetland Hydrology Present? Yes No		
Yes 🟒 No	Depth (inches):	0			
gauge, monitoring well, a	erial photos, previous inspec	tions), if	available:		
	Water- Aquati Marl D Hydro, Oxidiz Preser Recen Thin M hagery (B7) Other Other Other Yes No Yes No Yes No	Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soils     Thin Muck Surface (C7) agery (B7) Other (Explain in Remarks) urface (B8)  Yes No Depth (inches): Yes No Depth (inches): Yes No Depth (inches):	Water-Stained Leaves (B9)        Aquatic Fauna (B13)        Marl Deposits (B15)        Hydrogen Sulfide Odor (C1)        Oxidized Rhizospheres on Living Roots (C3)        Presence of Reduced Iron (C4)        Recent Iron Reduction in Tilled Soils (C6)        Thin Muck Surface (C7)         Jagery (B7)      Other (Explain in Remarks)         Jurface (B8)         YesNo       Depth (inches):         YesNo       Depth (inches):		

Sampling Point: W-JJB-20; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test works Number of Dominant		•	
		<u> </u>		Are OBL, FACW, or FAC		0	(A)
				Total Number of Dom Across All Strata:	inant Species	0	(B)
3	· <u> </u>			Percent of Dominant S	Species That		
		· ·		- Are OBL, FACW, or FAC			(A/B)
	· <u> </u>			- Prevalence Index worl	(sheet:		
				- Total % Cove	r of:	<u>Multiply</u>	By:
7				— OBL species	0	x 1 =	0
	0	= Total Cover		FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>				FAC species	0	x 3 =	0
l				– FACU species	0	x 4 =	0
2				UPL species	0	x 5 =	0
3				- Column Totals	0	(A) -	0 (B)
ł					ndex = B/A =	(~)	0 (D)
5.							
5.				<ul> <li>Hydrophytic Vegetatio</li> </ul>			
7				1- Rapid Test for		/egetation	
	0	= Total Cover		2 - Dominance Te			
Herb Stratum (Plot size: <u>5 ft</u> )	-	-		3 - Prevalence In			
				4 - Morphologica			supporting
				— data in Remarks or on			
				Problematic Hyd			
				<sup>1</sup> Indicators of hydric s		-	gy must be
	·			present, unless distur		matic	
	· <u> </u>			Definitions of Vegetati			
6				Tree – Woody plants 3			diameter a
7				breast height (DBH), r			
8				Sapling/shrub - Wood			OBH and
9	·			greater than or equal			
10				Herb – All herbaceous			gardless of
11				size, and woody plants			
12				Woody vines – All woo	dy vines grea	ter than 3.	28 ft in
	0	= Total Cover		height.			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>		-		Hydrophytic Vegetation	on Present?	Yes 🟒 N	lo
1							
2.				—			
3.				—			
4.	·			—			
T.	0	= Total Cover		-			
		- Total Cover					

	noist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture				Remarks
0-8 10YR 4	4/3 100					Silt Loam				
			· ·							
			· ·							
			· ·							
			· ·							
			· ·							
			· ·							
			· <u> </u>							
		DM Deduced								NA NA-Autor
e: C = Concentration ric Soil Indicators:	on, D = Deplet	on, RM = Reduced	Matr	ix, MS = I	Masked Sand Gi		tion: PL = Por dicators for F			m = Matrix. htic Hydric Soils <sup>3</sup> :
Histosol (A1)		Polyvalue Be				4 40 D				RR K, L, MLRA 149B)
Histic Epipedon (A2 Black Histic (A3)	2)	Thin Dark Su Loamy Muck				_	_ Coast Prair	e Rec	lox	(A16) <b>(LRR K, L, R)</b>
Hydrogen Sulfide (A	4)	Loamy Gleye			LKK N, LJ		-			Peat (S3) <b>(LRR K, L, R)</b>
Stratified Layers (A		Depleted Ma					_ Dark Surfac			
Depleted Below Da							_ Polyvalue E _ Thin Dark S			rface (S8) <b>(LRR K, L)</b>
hick Dark Surface	. ,	Depleted Da								asses (F12) <b>(LRR K, L, R)</b>
Sandy Mucky Miner		Redox Depre	ssions	s (F8)						n Soils (F19) <b>(MLRA 149B</b> )
Sandy Gleyed Matr	ix (S4)									MLRA 144A, 145, 149B)
Sandy Redox (S5)	<b>`</b>						Red Parent	Mate	rial	(F21)
Stripped Matrix (S6							Very Shallo	<i>w</i> Dar	rk S	urface (TF12)
Dark Surface (S7) (L	KK K, WILKA 14	+9D)				-	_ Other (Expl	ain in	Re	marks)
licators of hydroph	· · · ·	and wetland hydi	ology	must be	e present, unless	s disturbed o	r problematio			
	convod).				Hydric Soil Pre	sent?	Yes	N	<b>`</b>	/
trictive Layer (if obs	serveu).	rocks			Hyunc Soli Pre	sent	ies_		· _	<u> </u>
rictive Layer (if obs Type:		rocks o								
rictive Layer (if obs Type: Depth (inch		rocks 8					<u> </u>			
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Hydrology Photos



Vegetation Photos

Soil Photos



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsior	City/County: Byron, Genesee	Sampling Date: 2019-June-05
Applicant/Owner: NextEra	State: NY	Sampling Point: W-JJB-17; PUB-1
Investigator(s): Jake Brillo, Nick DeJohn	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, convex, none):	Concave Slope (%): 0-1
Subregion (LRR or MLRA): LRR L	Lat: 43.0630741083 Long:	-78.0990578794 Datum: WGS84
Soil Map Unit Name: Appleton silt loam, 0 to 3 p	ercent slopes	NWI classification: PUB
Are climatic/hydrologic conditions on the site typic	al for this time of year? Yes No 🟒 (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circums	tances" present? Yes 🟒 No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain an	y 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	Is the Sampled Area within a Wetland?	Yes 🯒 No _
Wetland Hydrology Present?	Yes 🟒 No	lf yes, optional Wetland Site ID:	W-JJB-17
Remarks: (Explain alternative procedures he	ere or in a separate report	)	
TRC covertype is PUB. Wetter than average y	/ear		

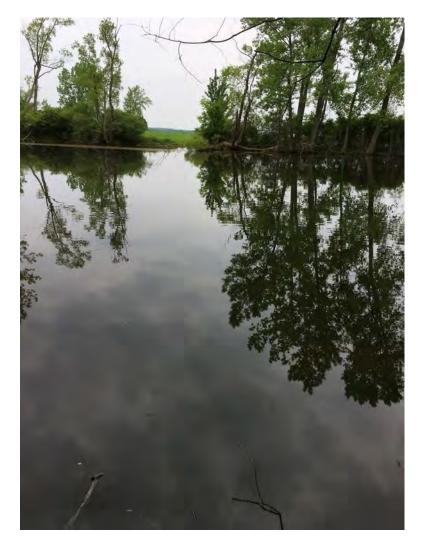
Wetland Hydrology Indicators: Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)		
<ul> <li>✓ Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	✓ Water-Stained Leaves (B9) ✓ Aquatic Fauna (B13) — Marl Deposits (B15) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>		
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>		
Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes No       Depth (inches):       36         Yes No       Depth (inches):          Yes No       Depth (inches):	Wetland Hydrology Present? Yes _∠_ No		
	auge, monitoring well, aerial photos, previous inspections), if	available:		
Remarks:				

Sampling Point: W-JJB-17; PUB-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	2	(4)
. Populus deltoides	10	Yes	FAC	Are OBL, FACW, or FAC:	Z	(A)
2. Salix nigra	5	Yes	OBL	Total Number of Dominant Species	2	(B)
3 				Percent of Dominant Species That	100	(A/B)
5				Are OBL, FACW, or FAC:		
5				Prevalence Index worksheet:	Maria in La	D
				- <u>Total % Cover of:</u> - OBL species 5	Multiply I	•
	15	= Total Cov	er	· · · · · · · · · · · · · · · · · · ·	x 1 =	5
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		-		FACW species 0	x 2 =	0
				FAC species 10	x 3 =	30
				FACU species 0	x 4 =	0
				- UPL species 0	x 5 =	0
3				- Column Totals 15	(A)	35 (B)
l				Prevalence Index = B/A =	2.3	
				Hydrophytic Vegetation Indicators:		
				, , , , ,		
,				1- Rapid Test for Hydrophytic	vegetation	
	0	= Total Cov	er	2 - Dominance Test is >50%		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )		-		$\checkmark$ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>		
				4 - Morphological Adaptation		supportin
				- data in Remarks or on a separate s	heet)	
				<ul> <li>Problematic Hydrophytic Veg</li> </ul>	etation <sup>1</sup> (Ex	plain)
3		·		<sup>1</sup> Indicators of hydric soil and wetla	nd hydrolog	gy must be
1				present, unless disturbed or proble	ematic	
				Definitions of Vegetation Strata:		
5				Tree – Woody plants 3 in. (7.6 cm) o	or more in d	liameter a
7				breast height (DBH), regardless of		
				Sapling/shrub – Woody plants less	than 3 in. D	BH and
				greater than or equal to 3.28 ft (1 r		
				Herb – All herbaceous (non-woody		ardless of
0		·		size, and woody plants less than 3.		,
I1		·		Woody vines – All woody vines grea		28 ft in
2				height.		2010111
	0	= Total Cov	er			
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes 🟒 N	0
l.						
2.						
3.				-		
4.		·		-		
	0	- Total Carr	or	-		
	0	= Total Cov	ei			

nches) Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	- — -						
			- —				·
	- — -						
			- —				
			- —				
			- —				
pe: C = Concentration, D = D	)epleti	on. RM = Reduce	d Ma	trix. MS =	Masked Sa	and Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix.
Iric Soil Indicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Polyvalue Be	elow s	Surface (S	8) (LRR R, I	MLRA 149B)	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Epipedon (A2)		Thin Dark Su			-	49B)	Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>
Black Histic (A3)		Loamy Muck	-		(LRR K, L)		5 cm Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
Hydrogen Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
Stratified Layers (A5) Depleted Below Dark Surfac	co (A11	Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
Thick Dark Surface (A12)	26 (711	Depleted Da					Thin Dark Surface (S9) (LRR K, L)
mick Bank Samace (M2)		Depicted Do					Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1)		Redox Depr	essio	ns (F8)			
		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5)		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) <b>(MLRA 149B)</b> Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5)		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) <b>(MLRA 149B)</b> Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b> Red Parent Material (F21)
_ Sandy Gleyed Matrix (S4)	LRA 14		essio	ns (F8)			<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> </ul>
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> I		19B)			e present	unless disturbe	<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, Mi dicators of hydrophytic vege		19B)			e present,	unless disturbe	<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
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Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, Mi</b> dicators of hydrophytic vege <b>trictive Layer (if observed):</b> Type: Depth (inches): narks:	etation	<b>19B)</b> and wetland hyc None	drolog - -	gy must b	Hydric Sc	il Present?	<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> <li>ed or problematic.</li> </ul>
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, Mi</b> dicators of hydrophytic vege <b>trictive Layer (if observed):</b> Type: Depth (inches): narks:	etation	<b>19B)</b> and wetland hyc None	drolog - -	gy must b	Hydric Sc	il Present?	<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> <li>ed or problematic.</li> </ul>

Hydrology Photos



Vegetation Photos



Photo of Sample Plot



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion	/Site: Excelsior City/County: By						Sampling Date: 2019-June-12			
Applicant/Owner: N	cant/Owner: NextEra			State	e: NY		Sampling Point:	W-JJB-35; UPL-1		
Investigator(s): Jake	vestigator(s): Jake Brillo, Isaac Pallant Section, Township, Range:									
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local ı	relief (concave	e, convex	, none):	Concave	Slope (%): 0-1		
Subregion (LRR or MLF	RA): LRR I	-		Lat: 43.0545	562087	Long:	-78.0927187298	Datum: WGS84		
Soil Map Unit Name:	Lamson very	fine sandy loam					NWI classifi	cation:		
Are climatic/hydrologic	c conditions or	the site typical for th	his time of year?	Yes	No,	🖌 (lf no	, explain in Remar	rks.)		
Are Vegetation,	Soil,	or Hydrology si	gnificantly disturbed	d? Are '	'Normal (	Circums	tances" present?	Yes No 🟒		
Are Vegetation,	Soil,	or Hydrology na	aturally problematic	.? (lf n€	eeded, ex	cplain ar	y answers in Rem	ıarks.)		

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:					
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)		
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>		
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>		
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)			-		
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:		

Sampling Point: W-JJB-35; UPL-1

	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: <u>30 ft</u> )	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:	0	(A)
2.	·			Total Number of Dominant Species	0	
3.				Across All Strata:		(B)
4.	·			Percent of Dominant Species That		(A/B)
5.				Are OBL, FACW, or FAC:		(A/ B)
	·			<ul> <li>Prevalence Index worksheet:</li> </ul>		
6.				<u> </u>	Multiply E	<u>By:</u>
7				— OBL species 0	x 1 =	0
		= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>	_)			FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2	. <u> </u>			UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	· · · —	0 (D)
5.						
6.				<ul> <li>Hydrophytic Vegetation Indicators:</li> </ul>		
7.				1- Rapid Test for Hydrophytic	/egetation	
	0	= Total Cover		2 - Dominance Test is > 50%		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				3 - Prevalence Index is $≤ 3.0^1$		
				4 - Morphological Adaptations		supporting
2				data in Remarks or on a separate sl		
2				Problematic Hydrophytic Vege		
	·			<sup>1</sup> Indicators of hydric soil and wetlar		រ្វy must be
4				present, unless disturbed or proble	matic	
5				Definitions of Vegetation Strata:		
6				<b>Tree</b> – Woody plants 3 in. (7.6 cm) o		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		
12.				Woody vines – All woody vines grea	ter than 3.2	28 ft in
	0	= Total Cover		height.		
Woody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes N	0 🖌
1.						
2.				—		
3.	·			-		
4.	·			—		
*	0	- Total Cover				
	0	= Total Cover				
Remarks: (Include photo numbers here o Active agricultural field	r on a separate	e sneet.)				

Depth	Matrix		Redox	Feat	ures		confirm the al				
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture				Remarks
0 - 9	10YR 3/2	100				<u> </u>	Clay Loai	m			
9 - 18	10YR 4/6	100					Clay				
		· ·									
		· ·									
		· ·									
		· ·			<u> </u>	<u> </u>					
ne(C = 0)	Concentration, D =	Depletio	n RM = Reduced	Mat	riv MS =	Masked San	d Grains 21	ocation: PL = Po	rolir	ning M -	- Matrix
	Indicators:	Depictio	n, nur neudeed	Widt	11, 115	Musice sur		Indicators for			
Histoso			Polyvalue Be		urfaco (S		I DA 140B)				,
_	pipedon (A2)		Thin Dark Su								, L, MLRA 149B)
	istic (A3)		Loamy Muck				50)				6) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye			(,			-		at (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma					Dark Surfa			
_ Deplete	d Below Dark Surfa	ace (A11)						•			e (S8) <b>(LRR K, L)</b>
_ Thick Da	ark Surface (A12)		Depleted Dar	'k Su	rface (F7)	)		Thin Dark			
				ccior	oc (E8)						s (F12) (LRR K, L, R)
_ Sandy N	/lucky Mineral (S1)		Redox Depre	22101	15 (10)						
	/lucky Mineral (S1) Gleyed Matrix (S4)		Redox Depre	55101	15 (10)						oils (F19) (MLRA 149B)
_ Sandy G			Redox Depre	55101	13 (FO)			Mesic Spo	dic (T	A6) <b>(MLI</b>	RA 144A, 145, 149B)
_ Sandy C _ Sandy F	Gleyed Matrix (S4)		Redox Depre	33101	13 (10)			Mesic Spo Red Paren	dic (T. t Mat	A6) <b>(MLI</b> erial (F2	<b>RA 144A, 145, 149B)</b> 1)
_ Sandy C _ Sandy F _ Stripped	Gleyed Matrix (S4) Redox (S5)	1LRA 149		33101	15 (FO)			Mesic Spo Red Paren Very Shalle	dic (T. t Mat ow Da	A6) <b>(MLI</b> erial (F2 ark Surfa	<b>RA 144A, 145, 149B)</b> 1) ace (TF12)
_ Sandy C _ Sandy F _ Stripped _ Dark Su	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) ırface (S7) <b>(LRR R, N</b>		)B)					Mesic Spo Red Paren Very Shallo Other (Exp	dic (T t Mat ow Da olain i	A6) <b>(MLI</b> erial (F2 ark Surfa	<b>RA 144A, 145, 149B)</b> 1) ace (TF12)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg	etation a	)B)			e present, ui	nless disturbe	Mesic Spo Red Paren Very Shallo Other (Exp	dic (T t Mat ow Da olain i	A6) <b>(MLI</b> erial (F2 ark Surfa	<b>RA 144A, 145, 149B)</b> 1) ace (TF12)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> :	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive l	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	)B)			e present, u		Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators estrictive l	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> :	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive l	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
Sandy C Sandy F Stripped Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
Sandy C Sandy F Stripped Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive l	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators estrictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators estrictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators estrictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators estrictive l	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su ndicators estrictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)
_ Sandy C _ Sandy F _ Stripped _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> : Type:	etation a	9 <b>B)</b> and wetland hydr					Mesic Spo Red Paren Very Shall Other (Exp d or problemat	dic (T, t Mat ow Da olain i ic.	A6) <b>(MLI</b> erial (F2 ark Surfa n Rema	<b>RA 144A, 145, 149B)</b> 1) ace (TF12) rks)

## Vegetation Photos



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion			City/County: Byron, Ge	nesee			Sampling Date:	2019-June-07
Applicant/Owner: N	lextEra				State: NY		Sampling Point:	W-JJB-22; PUB-1
Investigator(s): Jake	Brillo, Nick De	John		Sect	ion, Township, Ra	inge:		
Landform (hillslope, te	rrace, etc.):	Depression	Local	l relief	(concave, convex	, none):	Concave	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR	L		Lat:	43.0783363386	Long:	-78.0761044566	Datum: WGS84
Soil Map Unit Name:	Alden mucky	/ silt loam					NWI classific	cation:
Are climatic/hydrologic	c conditions or	n the site typical	for this time of year?		Yes No	∠ (If no,	explain in Remar	ks.)
Are Vegetation,	Soil,	or Hydrology	significantly disturbe	ed?	Are "Normal (	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil 🟒,	or Hydrology	naturally problemati	ic?	(If needed, ex	plain ar	y answers in Rem	arks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-22
Remarks: (Explain alternative procedures he	ere or in a separate report	)	
TRC covertype is PUB. Wetter than average y	<i>y</i> ear		

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	<u>e is required; check all t</u>	<u>hat apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquatio Marl D Hydrog	Stained Leaves (B9) c Fauna (B13) eposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Living	Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li> Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Ima</li> <li> Sparsely Vegetated Concave Su</li> </ul>	Recent Thin M agery (B7) Other (	ce of Reduced Iron (C4) Iron Reduction in Tilled So uck Surface (C7) Explain in Remarks)	oils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	36	
Water Table Present?	Yes 🟒 No	Depth (inches):	0	Wetland Hydrology Present?   Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	_
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring well, a	erial photos, previous insp	ections), if	available:
<b>Remarks:</b> Unusually clear water				

Sampling Point: W-JJB-22; PUB-1

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
	Cover	Species?	Status	Number of Dominant Species Tha	t o	(A)
1.				Are OBL, FACW, or FAC:		
2.				Total Number of Dominant Specie	s 0	(B)
3.				Across All Strata:		(2)
4.				Percent of Dominant Species That		(A/B)
5.				Are OBL, FACW, or FAC:		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6.				<ul> <li>Prevalence Index worksheet:</li> </ul>		
				— <u>Total % Cover of:</u>	<u>Multiply</u>	<u>By:</u>
7				- OBL species 0	x 1 =	0
	-	= Total Cover		FACW species 0	x 2 =	0
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		0
3				— Column Totals 0	- (A) -	0 (B)
4.						0 (b)
5.				Prevalence Index = B/A		
6.				Hydrophytic Vegetation Indicators		
7.				1- Rapid Test for Hydrophyti	. Vegetation	1
···	0	= Total Cover		2 - Dominance Test is > 50%		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )	0			3 - Prevalence Index is $\leq$ 3.0		
				4 - Morphological Adaptation		supporting
				<ul> <li>data in Remarks or on a separate</li> </ul>		
2		<u> </u>		Problematic Hydrophytic Veg		
3				Indicators of hydric soil and wetle	nd hydrolo	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	height.	
8.				Sapling/shrub – Woody plants less	than 3 in. [	OBH and
9.				greater than or equal to 3.28 ft (1	m) tall.	
10.				Herb – All herbaceous (non-wood	/) plants, reg	gardless of
11.				size, and woody plants less than 3	.28 ft tall.	
12.				Woody vines – All woody vines gre	ater than 3	.28 ft in
12.	0	= Total Cover		height.		
Woody Vine Stratum (Plot size: <u>30 ft</u> )	0			Hydrophytic Vegetation Present?	Yes 🖌 N	10
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1						
2		<u> </u>		—		
3				_		
4						
	0	= Total Cover				
Remarks: (Include photo numbers here o	r on a separate	e sheet.)				
Pond, aquatic veg present						
i ond, aqualic veg present						

	% Color (mois	st) <u>%</u> Type¹	Loc <sup>2</sup> Texture	Remarks
	<u> </u>			
	<u> </u>			
	<u> </u>			
	aplation DM - Dad	used Matrix MC	- Macked Cand Crains	2 acation: DL - Dara Lining M - Matrix
pe: C = Concentration, D = De Iric Soil Indicators:	epietion, Rivi = Red	uced Matrix, MS	= Masked Sand Grains.	<sup>2</sup> Location: PL = Pore Lining, M = Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalu	e Below Surface (	(S8) (LRR R, MLRA 149B)	•
Histic Epipedon (A2)	,	k Surface (S9) <b>(LR</b>		2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b> Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>
Black Histic (A3)	Loamy N	lucky Mineral (F1	) (LRR K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)		leyed Matrix (F2)		Dark Surface (S7) <b>(LRR K, L)</b>
Stratified Layers (A5)		d Matrix (F3)		Polyvalue Below Surface (S8) (LRR K, L)
Depleted Below Dark Surfac Thick Dark Surface (A12)		d Dark Surface (F6)	7)	Thin Dark Surface (S9) (LRR K, L)
Sandy Mucky Mineral (S1)		epressions (F8)	, )	Iron-Manganese Masses (F12) <b>(LRR K, L, R)</b>
Sandy Gleyed Matrix (S4)				Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Redox (S5)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
				Red Parent Material (F21) Very Shallow Dark Surface (TF12)
_Stripped Matrix (S6)				
<sub>-</sub> Stripped Matrix (S6) <sub>-</sub> Dark Surface (S7) <b>(LRR R, ML</b>	.RA 149B)			Other (Explain in Remarks)
Dark Surface (S7) (LRR R, ML		hydrology must l	be present, unless distur	_ ∠ Other (Explain in Remarks)
		hydrology must l	be present, unless distur	_ ∠ Other (Explain in Remarks)
Dark Surface (S7) <b>(LRR R, ML</b> dicators of hydrophytic veget		hydrology must l	be present, unless distur	_∠ Other (Explain in Remarks)
Dark Surface (S7) <b>(LRR R, ML</b> dicators of hydrophytic veget trictive Layer (if observed):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget <b>trictive Layer (if observed):</b> Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget <b>trictive Layer (if observed):</b> Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> icators of hydrophytic veget <b>rictive Layer (if observed):</b> Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> icators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget <b>trictive Layer (if observed):</b> Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget <b>trictive Layer (if observed):</b> Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches):	tation and wetland	hydrology must l		Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches): narks:	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches): 	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> licators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches): narks:	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> dicators of hydrophytic veget t <b>rictive Layer (if observed):</b> Type:	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> dicators of hydrophytic veget trictive Layer (if observed): Type: Depth (inches): narks:	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> dicators of hydrophytic veget strictive Layer (if observed): Type: Depth (inches): marks:	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.
Dark Surface (S7) <b>(LRR R, ML</b> dicators of hydrophytic veget strictive Layer (if observed): Type: Depth (inches): marks:	tation and wetland		Hydric Soil Present?	Other (Explain in Remarks) bed or problematic.

Hydrology Photos



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion		Cit	ty/County: By	ron, Genese	e County		Sampling Date	2019-May-29
Applicant/Owner: N	lextEra				State:	New York	Sampling Point:	W-JDV-08; UPL-1
Investigator(s):	/andeveer, IBP			See	tion, Towns	ship, Range:		
Landform (hillslope, te	rrace, etc.):	Agricultural Fiel	d	Local relie	f (concave,	convex, none):	Flat	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR I	-		Lat	43.0863	Long:	-78.0920641	Datum: WGS84
Soil Map Unit Name:	Ovid silt loar	n, 0 to 3 percent sl	opes				NWI classifi	cation:
Are climatic/hydrologic	c conditions or	the site typical fo	r this time of	year?	Yes 🖌	_ No (If n	o, explain in Rema	arks.)
Are Vegetation 🟒,	Soil 🟒,	or Hydrology	significantly	disturbed?	Are "N	ormal Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	_ naturally pro	blematic?	(If nee	ded, explain ar	ny answers in Rem	arks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities	

Wetland Hydrology Indicators:			
Primary Indicators (minimum of o	ne is required; check all	<u>that apply)</u>	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl I Hydro	r-Stained Leaves (B9) tic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Im Sparsely Vegetated Concave S</li> </ul>	Recer Thin M nagery (B7) Other	nce of Reduced Iron (C4) nt Iron Reduction in Tilled Soils (C6) Muck Surface (C7) · (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:			
Surface Water Present?	Yes No 🟒	Depth (inches):	
Water Table Present?	Yes No 🟒	Depth (inches):	- Wetland Hydrology Present? Yes №
Saturation Present?	Yes No 🟒	Depth (inches):	-
(includes capillary fringe)			-
Describe Recorded Data (stream )	gauge, monitoring well, i	aerial photos, previous inspections), if	available:
Neiriai KS.			

Sampling Point: W-JDV-08; UPL-1

% Cover	Dominant Species?	Indicator Status	Dominance Test work Number of Dominant Are OBL, FACW, or FA	t Species That	0	(A)
					2	(B)
					0	(A/B)
			Prevalence Index wor	ksheet:		
			Total % Cove	er of:	<u>Multiply</u>	<u>By:</u>
	<u> </u>		OBL species	0	x 1 =	0
0	= Total Cove	er	FACW species	0	x 2 =	0
			FAC species	0	x 3 =	0
			FACU species	8	x 4 =	32
			- UPL species	20	x 5 =	100
			Column Totals	28	(A)	132 (B)
			Prevalence	Index = B/A =	-	
			-			
					logotation	
				5 1 5	regetation	I
0	= Total Cove	er				
					1 (Provida	cupporting
20	Yes	UPL				supporting
8	Yes	FACU		•		(nlain)
			,		,	gy must be
					matic	
			-		r moro in	diamotor a
						ulameter a
			-	-	-	DPL and
						Jon anu
			-			aardloss of
						gai uless of
						28 ft in
			-	ouy vines great		.201111
28	= Total Cove	er	-	ion Duocont2	/a.a	
			Hydrophytic Vegetat	ion Present?	res r	NO
			-			
			-			
				Are OBL, FACW, or FA         Total Number of Dom         Across All Strata:         Percent of Dominant         Are OBL, FACW, or FA         Percent of Dominant         Are OBL, FACW, or FA         Prevalence Index wor         Total % Cover         0         0         Total Cover         FACW species         FACU species         Column Totals         Prevalence Index         0         Total Cover         FACU species         Column Totals         Prevalence         Hydrophytic Vegetati         1- Rapid Test for         20       Yes         Yes       FACU         Problematic Hydrophytics of hydrics         Present, unless distur         O       Present, unless distur         Definitions of Vegetati         Tree - Woody plants         breast height (DBH), I         Sapling/shrub - Wood         greater than or equal         Herb - All herbaceou         size, and woody plan         Woody vines - All wo	Are OBL, FACW, or FAC:         Total Number of Dominant Species         Across All Strata:         Percent of Dominant Species That         Are OBL, FACW, or FAC:         Prevalence Index worksheet:         Total % Cover of:         O         0         = Total Cover         FAC species         0         = Total Cover	Are OBL, FACW, or FAC:       0         Total Number of Dominant Species       2         Across All Strata:       Percent of Dominant Species That       0         Are OBL, FACW, or FAC:       0         Prevalence Index worksheet:       0         Total % Cover of:       Multiply         0       = Total Cover         FACW species       0         Across All Strata:       0         Prevalence Index worksheet:       1         0       = Total Cover         FACW species       0         X = O       X = FACU species         Column Totals       28         Q       Yes         UPL       Species Index is ≤ 30.1         Prevalence Index is ≤ 30.1       4 - Morphological Adaptations1 (Provide data in Remarks or on a separate sheet)         Q       Yes       UPL         8       Yes       FACU         Problematic Hydrophytic Vegetation for tore in breast height (DBH), regardless of height.         Sapling/shrub - Woody plants less than 3 in. If greater than or equal to 3.28 ft t11.         Woody vines - All woody vines greater than 3         Prevalence Index cous (non-woody) plants, reisize, and woody vines greater than 3

Sampling Point: W-JDV-08; UPL-1

inches)	Color (moist)	%	Color (moist)	% Тур	e <sup>1</sup> Loc <sup>2</sup>	Text	ture			Remarks
0 - 13	10YR 5/3	100				Silty Cla	ay Loam			
				·						
				·						
				·						
				·						
						and Cusing 21		in in a N		turiu -
	Concentration, D =	Depletic	n, RIVI = Reduced	Matrix, M	s = Masked S	and Grains. <sup>2</sup> L	ocation: PL = Pore I Indicators for Pro			
Histosol			Polyvalue Bel	ow Surface	- (S8) <b>(I RR R</b>	MI RA 149B)				
_ Histic Ep _ Black Hi	pipedon (A2)		Thin Dark Sur Loamy Mucky Loamy Gleyer	rface (S9) <b>(l</b> / Mineral (l	<b>.RR R, MLRA</b> 1) (LRR K, L)	149B)	2 cm Muck (A Coast Prairie 5 cm Mucky F Dark Surface	Redox (/ eat or P	A16) <b>(l</b> eat (S	_RR K, L, R)
-	d Layers (A5)		Depleted Mat				Polyvalue Bel			8) (LRR K, L)
•	d Below Dark Surfa ark Surface (A12)	ace (A11	) Redox Dark S Depleted Dar				Thin Dark Sur	face (S9	) (LRR	K, L)
	fucky Mineral (S1)		Redox Depre		-		Iron-Mangane			
	leyed Matrix (S4)						Piedmont Flo Mesic Spodic	•		F19) (MLRA 149B)
Sandv R	edox (S5)						Red Parent M			44A, 143, 149B)
-	d Matrix (S6)									(TF12)
_ Stripped	d Matrix (S6) rface (S7) <b>(LRR R, N</b>	ILRA 14	9B)				Very Shallow Other (Explain	Dark Su	rface (	(TF12)
_ Strippec _ Dark Su				ology mus	t be present,	unless disturbe	Very Shallow Other (Explain	Dark Su	rface (	(TF12)
_ Stripped _ Dark Su	rface (S7) <b>(LRR R, N</b>	etation		ology mus	t be present,	unless disturbe	Very Shallow Other (Explain	Dark Su	rface (	(TF12)
_ Stripped _ Dark Su dicators of strictive L	rface (S7) <b>(LRR R, N</b> of hydrophytic veg	etation		ology mus		unless disturbe	Very Shallow Other (Explained or problematic.	Dark Su	rface ( narks)	
_ Stripped _ Dark Su dicators d strictive L	rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b>	etation	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Stripped Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> L <b>ayer (if observed):</b> Type:	etation	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Stripped Dark Su dicators d strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> L <b>ayer (if observed):</b> Type:	etation	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Strippec Dark Su dicators ( trictive L narks:	rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b> Type: Depth (inches):	etation (	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Strippec Dark Su dicators of strictive L marks:	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> L <b>ayer (if observed):</b> Type:	etation (	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Strippec Dark Su dicators of strictive L marks:	rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b> Type: Depth (inches):	etation (	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Strippec Dark Su dicators of strictive L narks:	rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b> Type: Depth (inches):	etation (	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	
Strippec Dark Su dicators of strictive L marks:	rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b> Type: Depth (inches):	etation (	and wetland hydr	ology mus			Very Shallow Other (Explained or problematic.	Dark Su n in Rem	rface ( narks)	

Photo of Sample Plot





Project/Site: Excelsion		City/	<b>'County:</b> Byron, Gen	esee			Sampling Date: 2019-June-11		
Applicant/Owner: N	lextEra			State:	NY		Sampling Point:	W-JJB-30; PEM-1	
Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Ranges									
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local r	elief (concave,	, convex,	, none):	Flat	Slope (%): 0-1	
Subregion (LRR or MLF	RA): LRR	_		Lat: 43.05499	999886	Long:	-78.0850004219	Datum: WGS84	
Soil Map Unit Name:	Ovid silt loar	n, 3 to 8 percent slop	bes				NWI classifi	cation:	
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 si	ignificantly disturbed	? Are "N	Normal (	Circums	tances" present?	Yes No 🟒	
Are Vegetation,	Soil,	or Hydrology n	aturally problematic	? (If nee	eded, ex	plain ar	iy answers in Rem	arks.)	

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-30						
Remarks: (Explain alternative procedures here or in a separate report)									
TRC covertype is PEM. Circumstances are no	ot normal due to agricultu	ral activities, Wetter than average year							

Wetland Hydrology Indicators:					
Primary Indicators (minimum of one	<u>e is required; check all th</u>		Secondary Indicators (minimum of two required)		
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquatic Marl De Hydrog	itained Leaves (B9) Fauna (B13) posits (B15) en Sulfide Odor (C1) d Rhizospheres on Living	g Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>	
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Imag</li> <li>Sparsely Vegetated Concave Surf</li> </ul>	Recent Thin Mu gery (B7) Other (B	te of Reduced Iron (C4) Iron Reduction in Tilled S Jck Surface (C7) Explain in Remarks)	Goils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>	
Field Observations:					
Surface Water Present?	Yes 🟒 No	Depth (inches):	3		
Water Table Present?	Yes 🟒 No	Depth (inches):	0	Wetland Hydrology Present? Yes No	
Saturation Present?	Yes 🟒 No	Depth (inches):	0		
(includes capillary fringe)					
Describe Recorded Data (stream gau	uge, monitoring well, ae	rial photos, previous ins	pections), if	available:	

Sampling Point: W-JJB-30; PEM-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	1	(A)
		·		Are OBL, FACW, or FAC: Total Number of Dominant Species	 1	(B)
L		·		<ul> <li>Across All Strata:</li> <li>Percent of Dominant Species That</li> <li>Are OBL, FACW, or FAC:</li> </ul>	100	(A/B)
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	Multiply B	
				- OBL species 15	x 1 =	<b>y.</b> 15
	0	= Total Cov	er	FACW species 0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		_		FAC species 0	x 3 =	0
				· · · · · · · · · · · · · · · · · · ·	· —	-
					x 4 =	0
				- UPL species 0	x 5 =	0
				- Column Totals <u>15</u>	(A)	15 (B)
				Prevalence Index = B/A =	1	
·				Hydrophytic Vegetation Indicators:		
5 7		·		1- Rapid Test for Hydrophytic	Vegetation	
	0	- Total Cav	or	∠_ 2 - Dominance Test is >50%		
	0	= Total Cov	ei	$_{4}$ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )	4.5			4 - Morphological Adaptation:	s <sup>1</sup> (Provide s	upporting
. Ranunculus sceleratus	15	Yes	OBL	- data in Remarks or on a separate s	heet)	
<u> </u>		·		Problematic Hydrophytic Veg	etation <sup>1</sup> (Exp	lain)
3				<sup>1</sup> Indicators of hydric soil and wetla	nd hydrolog	y must be
ł				present, unless disturbed or proble	ematic	
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) o	or more in di	ameter a
				breast height (DBH), regardless of	neight.	
3				Sapling/shrub – Woody plants less	than 3 in. Dl	3H and
).				greater than or equal to 3.28 ft (1 r	n) tall.	
0		·		Herb – All herbaceous (non-woody	) plants, rega	ardless of
1				size, and woody plants less than 3.	28 ft tall.	
2				Woody vines – All woody vines grea	ater than 3.2	8 ft in
2		= Total Cov	er	height.		
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes 🟒 No	)
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2.				-		
3				-		
1				-		
4	0	- Total Car	or	-		
	U	= Total Cov	ei			

0 - 18 11	ors: h (A2) b) de (A4) rs (A5) w Dark Surface face (A12) Mineral (S1) Matrix (S4) 55) x (S6)	95	_ Polyvalue Be _ Thin Dark Su _ Loamy Muck _ Loamy Gleye _ Depleted Ma	5 	Gurface (S (S9) <b>(LRI</b> neral (F1) htrix (F2) F3) ce (F6) rface (F7	58) (LRR R, R R, MLRA (LRR K, L)	MLRA 149B)	Decation: PL = Pore Lining, M = Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 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) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, I Piedmont Floodplain Soils (F19) (MLRA	., R) ) L, R) \ 149B)
ype: C = Concent ydric Soil Indicato Histosol (A1) Histic Epipedor Black Histic (A3 Hydrogen Sulfi Stratified Layer Depleted Belov Thick Dark Surf Sandy Mucky M Sandy Gleyed I Sandy Gleyed I Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr Estrictive Layer (i Type:	tration, D = De ors: (A2) (A2) (A2) (A2) (A3) (A4) (A4) (A5) (A5) (A5) (A5) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12) (A12)		RM = Reduced Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma Redox Dark S Depleted Da	- — — - — — — - — — — - — — — —	Gurface (S (S9) <b>(LRI</b> neral (F1) htrix (F2) F3) ce (F6) rface (F7	58) (LRR R, R R, MLRA (LRR K, L)	and Grains. <sup>2</sup> Lc	Decation: PL = Pore Lining, M = Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 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) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, I Piedmont Floodplain Soils (F19) (MLRA	., R) ) L, R) \ 149B)
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rdric Soil Indicato - Histosol (A1) - Histic Epipedor - Black Histic (A3 - Hydrogen Sulfi - Stratified Layer - Depleted Below - Thick Dark Surf - Sandy Mucky N - Sandy Gleyed I - Sandy Redox (S - Stripped Matri: - Dark Surface (S - dicators of hydr - Strictive Layer (i - Type:	ors: h (A2) b) de (A4) rs (A5) w Dark Surface face (A12) Mineral (S1) Matrix (S4) 55) x (S6)		_ Polyvalue Be _ Thin Dark Su _ Loamy Muck _ Loamy Gleye _ Depleted Ma _ Redox Dark S _ Depleted Da	elow S urface ky Min ed Ma atrix (F Surfac urk Surfac	Gurface (S (S9) <b>(LRI</b> neral (F1) htrix (F2) F3) ce (F6) rface (F7	58) (LRR R, R R, MLRA (LRR K, L)	MLRA 149B)	Indicators for Problematic Hydric Soils <sup>3</sup> : 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, 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, I Piedmont Floodplain Soils (F19) (MLRA	., R) ) L, R) \ 149B)
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dric Soil Indicate Histosol (A1) Histic Epipedor Black Histic (A3 Hydrogen Sulfi Stratified Layer Depleted Below Thick Dark Surfi Sandy Mucky N Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr Strictive Layer (i Type:	ors: h (A2) b) de (A4) rs (A5) w Dark Surface face (A12) Mineral (S1) Matrix (S4) 55) x (S6)		_ Polyvalue Be _ Thin Dark Su _ Loamy Muck _ Loamy Gleye _ Depleted Ma _ Redox Dark S _ Depleted Da	elow S urface ky Min ed Ma atrix (F Surfac urk Surfac	Gurface (S (S9) <b>(LRI</b> neral (F1) htrix (F2) F3) ce (F6) rface (F7	58) (LRR R, R R, MLRA (LRR K, L)	MLRA 149B)	Indicators for Problematic Hydric Soils <sup>3</sup> : 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, 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, I Piedmont Floodplain Soils (F19) (MLRA	., R) ) L, R) \ 149B)
Histosol (A1) Histic Epipedor Black Histic (A3 Hydrogen Sulfi Stratified Layer Depleted Below Thick Dark Surf Sandy Mucky M Sandy Gleyed I Sandy Redox (S Stripped Matri Dark Surface (S dicators of hydr strictive Layer (i Type:	n (A2) 3) de (A4) rs (A5) w Dark Surface face (A12) <i>M</i> ineral (S1) Matrix (S4) 55) x (S6)	  (A11)_✓	_ Thin Dark Su _ Loamy Muck _ Loamy Gleye _ Depleted Ma _ Redox Dark _ Depleted Da	urface ky Min ed Ma atrix (I Surfa urk Sur	e (S9) <b>(LRI</b> neral (F1) trix (F2) F3) ce (F6) rface (F7	R R, MLRA (LRR K, L)		<ul> <li>2 cm Muck (A10) (LRR K, L, MLRA 149B)</li> <li>Coast Prairie Redox (A16) (LRR K, L, R)</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L)</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, I)</li> <li>Piedmont Floodplain Soils (F19) (MLRA</li> </ul>	., R) ) L, R) \ 149B)
Histic Epipedor Black Histic (A3 Hydrogen Sulfi Stratified Layer Depleted Belov Thick Dark Suri Sandy Mucky N Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	8) de (A4) rs (A5) w Dark Surface face (A12) Mineral (S1) Matrix (S4) 55) x (S6)	  (A11)_✓	_ Thin Dark Su _ Loamy Muck _ Loamy Gleye _ Depleted Ma _ Redox Dark _ Depleted Da	urface ky Min ed Ma atrix (I Surfa urk Sur	e (S9) <b>(LRI</b> neral (F1) trix (F2) F3) ce (F6) rface (F7	R R, MLRA (LRR K, L)		<ul> <li>Coast Prairie Redox (A16) (LRR K, L, R)</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, I</li> <li>Piedmont Floodplain Soils (F19) (MLRA</li> </ul>	., R) ) L, R) \ 149B)
Black Histic (A3 Hydrogen Sulfi Stratified Layer Depleted Belov Thick Dark Suri Sandy Mucky M Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	8) de (A4) rs (A5) w Dark Surface face (A12) Mineral (S1) Matrix (S4) 55) x (S6)	 	_ Loamy Muck _ Loamy Gleye _ Depleted Ma _ Redox Dark _ Depleted Da	ky Min ed Ma atrix (F Surfao irk Sur	neral (F1) itrix (F2) F3) ce (F6) rface (F7	(LRR K, L)		<ul> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, I)</li> <li>Piedmont Floodplain Soils (F19) (MLRA</li> </ul>	., R) ) L, R) \ 149B)
Stratified Layer Depleted Belov Thick Dark Suri Sandy Mucky M Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	rs (A5) w Dark Surface face (A12) Mineral (S1) Matrix (S4) S5) x (S6)	e (A11)_∠	_ Depleted Ma _ Redox Dark _ Depleted Da	atrix (l Surfa ırk Su	F3) ce (F6) rface (F7	)		<ul> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, I)</li> <li>Piedmont Floodplain Soils (F19) (MLRA</li> </ul>	) L, R) \ 149B)
Depleted Belov Thick Dark Suri Sandy Mucky N Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	w Dark Surface face (A12) /lineral (S1) Matrix (S4) S5) x (S6)	e (A11)_∠	_ Redox Dark _ Depleted Da	Surfa Irk Su	ce (F6) rface (F7	)		<ul> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, I</li> <li>Piedmont Floodplain Soils (F19) (MLRA</li> </ul>	L, R) \ 149B)
Thick Dark Suri Sandy Mucky N Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	face (A12) Aineral (S1) Matrix (S4) S5) x (S6)		_ Depleted Da	ırk Su	rface (F7	)		Thin Dark Surface (S9) <b>(LRR K, L)</b> Iron-Manganese Masses (F12) <b>(LRR K, I</b> Piedmont Floodplain Soils (F19) <b>(MLRA</b>	L, R) \ 149B)
Sandy Mucky N Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	/lineral (S1) Matrix (S4) S5) x (S6)					)		Iron-Manganese Masses (F12) <b>(LRR K, I</b> Piedmont Floodplain Soils (F19) <b>(MLRA</b>	A 149B)
Sandy Gleyed I Sandy Redox (S Stripped Matri: Dark Surface (S dicators of hydr strictive Layer (i Type:	Matrix (S4) 55) x (S6)		_ Redox Depre	ession	is (F8)				
Sandy Redox (S Stripped Matrii Dark Surface (S dicators of hydr strictive Layer (i Type:	55) x (S6)								
Stripped Matria Dark Surface (S dicators of hydr strictive Layer (i Type:	x (S6)							Mesic Spodic (TA6) (MLRA 144A, 145, 1	49B)
Dark Surface (S <u>dicators of hydr</u> strictive Layer (i Type:								Red Parent Material (F21)	
ndicators of hydr estrictive Layer (i Type:								Very Shallow Dark Surface (TF12)	
<b>strictive Layer (</b> i Type:	57) (LRR R, MLI	RA 149B)						Other (Explain in Remarks)	
Type:	ophytic veget	ation and	d wetland hyd	rolog	y must b	e present,	unless disturbed	d or problematic.	
	f observed):								
Denth		I	None			Hydric So	oil Present?	Yes 🟒 No	
Deptin	(inches):			-		-			
marks:						•			

Hydrology Photos





Soil Photos



Photo of Sample Plot



US Army Corps of Engineers





Project/Site: Excelsion	ject/Site: Excelsior City/County: Byron, Genesee County							Sampling Date: 2019-May-29		
Applicant/Owner: N	lextEra				State:	New York	Sampling Point: \	<i>N-</i> JDV-07; PSS-1		
Investigator(s):	/andeveer, IBP			S	ection, Towns	ship, Range:				
Landform (hillslope, te	rrace, etc.):	Flood Plain		Local rel	ief (concave,	convex, none):	Concave	Slope (%): 1-10		
Subregion (LRR or MLF	RA): LRR L			La	at: 43.086588	B6 Long:	-78.0924515	Datum: WGS84		
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 perc	ent slopes				NWI classific	ation: please verify		
Are climatic/hydrologic conditions on the site typical for this time of year? Yes 🖌 No (If no, explain in Remarks.)										
•		or Hydrology or Hydrology	_ 0 ,				stances" present? Ny answers in Rem	Yes 🟒 No arks.)		
	/				(	,piani ai	.,	,		

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-07							
Remarks: (Explain alternative procedures here or in a separate report)										
TRC covertype is PSS. Area is wetland, all three wetland parameters are present.										

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	e is required; check all	<u>that apply)</u>		Secondary Indicators (minimum of two required)
Surface Water (A1) _✓ High Water Table (A2) _✓ Saturation (A3) _✓ Water Marks (B1) Sediment Deposits (B2)	Aquat Marl E Hydro	-Stained Leaves (B9) ic Fauna (B13) Jeposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Living Roo	ots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su	Recen Recen Thin M agery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils ( luck Surface (C7) (Explain in Remarks)	(C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes No 🟒	Depth (inches):		
Water Table Present?	Yes 🟒 No	Depth (inches):	9	- Wetland Hydrology Present? Yes _∠_ No
Saturation Present?	Yes 🟒 No	Depth (inches):	2	-
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monitoring well, a	erial photos, previous inspecti	ions), if	available:
Remarks:				
A positive indication of wetland hyd	drology was observed (j	primary and secondary indicate	ors wer	e present).

Sampling Point: W-JDV-07; PSS-1

ree Stratum (Plot size: <u>30 ft</u> )	Absolute	Dominant	Indicator	Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species Tha	at 3	(A)
				Are OBL, FACW, or FAC:		
				Total Number of Dominant Specie	es 3	(B)
				Across All Strata:		(8)
				Percent of Dominant Species Tha	t 100	(A/B)
				- Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	<u>Multiply</u>	•
·		= Total Cov	er	- OBL species 16	x 1 =	16
anling/Shruh Stratum (Plot size: 15 ft )				FACW species 75	x 2 =	150
apling/Shrub Stratum (Plot size: <u>15 ft</u> )	35	Voc		FAC species 20	x 3 =	60
Cornus amomum		Yes	FACW	FACU species 0	x 4 =	0
Frangula alnus	15	Yes	FAC	- UPL species 0	x 5 =	0
Salix nigra	8	No	OBL	- Column Totals 111	(A)	226 (B
·				Prevalence Index = B/A	= 2	
				- Hydrophytic Vegetation Indicator		
						_
				1- Rapid Test for Hydrophyti	c vegetation	1
	58	= Total Cov	er	2 - Dominance Test is >50%		
<u>erb Stratum (</u> Plot size: <u>5 ft</u> )				$_✓$ 3 - Prevalence Index is $\leq$ 3.0		
Phalaris arundinacea	30	Yes	FACW	4 - Morphological Adaptatio		supportin
Vernonia noveboracensis	10	No	FACW	- data in Remarks or on a separate	-	
Asclepias incarnata	8	No	OBL	Problematic Hydrophytic Ve	-	
. Echinochloa crus-galli	5	No	FAC	Indicators of hydric soil and weth successful and wether and successful and wether and successful and succes	2	igy must b
			The	present, unless disturbed or prob	nematic	
				Definitions of Vegetation Strata:		
		<u> </u>		Tree – Woody plants 3 in. (7.6 cm)		diameter a
		·		breast height (DBH), regardless o	-	
·		<u> </u>		Sapling/shrub – Woody plants les		DBH and
-				greater than or equal to 3.28 ft (1		
0				Herb – All herbaceous (non-wood		gardless o
1				size, and woody plants less than a		
2				Woody vines – All woody vines gr	eater than 3	.28 ft in
	53	= Total Cov	er	height.		
Voody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes 🟒 I	No
		<u> </u>		-		
-				-		
·		<u> </u>		-		
·		Table		-		
	0	= Total Cov	er			

hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.00).

## Sampling Point: W-JDV-07; PSS-1

(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text	ure Remarks
0 - 13	10YR 4/1	95	10YR 5/4	5	C	<u>M</u>	Silty Cla <u>y</u>	y Loam
				· · ·				
				·				
<sup>1</sup> Type: C = C	oncentration, D = [	Depletio	on, RM = Reduced	l Mat	rix, MS =	Masked S	Sand Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil	ndicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
Black Hi Hydroge Stratifie Deplete Thick Da Sandy N Sandy G Sandy R Stripped Dark Su	vipedon (A2)	LRA 14	Depleted Dar Redox Depre 9B)	rface y Mir d Ma trix (l Surfa rk Su essior	(S9) <b>(LRR</b> leral (F1) trix (F2) F3) ce (F6) rface (F7) ns (F8)	: R, MLRA (LRR K, L)	149B) )	<ul> <li>2 cm Muck (A10) (LRR K, L, MLRA 149B)</li> <li>Coast Prairie Redox (A16) (LRR K, L, R)</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, L, R)</li> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
	.ayer (if observed):	lation		loiog	y must be		, uniess disturbe	
	Type:		None			Hydric S	Soil Present?	Yes No
	Depth (inches):			-				
A positive ir	dication of hydric s	soil was	s observed.					

## Soil Photos



Photo of Sample Plot







Project/Site: Excelsior		City/County: B	yron, Genesee			Sampling Date: 2019-June-13	
Applicant/Owner: N	extEra			State: NY		Sampling Point: W	-JJB-31; PAB-1
Investigator(s): Jake	Brillo, Isaac Pa	allant	Sect	ion, Township, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Stream Channel	Local relief	(concave, convex,	, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLR	RA): LRR I	_	Lat:	43.0519612972	Long:	-78.0884445459	Datum: WGS84
Soil Map Unit Name:	Wakeville silt	loam				NWI classifica	tion:
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 (	Circums	tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology naturally pro	oblematic?	(If needed, ex	plain ar	iy answers in Remar	rks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-31							
Remarks: (Explain alternative procedures here or in a separate report)										
TRC covertype is PAB. Beaver impacts, wetter than average year										

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	ne is required; check a	<u>ll that apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>✓ Water Marks (B1)</li> <li>_ Sediment Deposits (B2)</li> </ul>	Aqua Aqua Marl ∕ Hydr	er-Stained Leaves (B9) atic Fauna (B13) Deposits (B15) rogen Sulfide Odor (C1) lized Rhizospheres on Living	g Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li>✓ Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li>✓ Inundation Visible on Aerial Ima</li> <li> Sparsely Vegetated Concave Su</li> </ul>	Rece Thin agery (B7) Othe	ence of Reduced Iron (C4) ent Iron Reduction in Tilled S Muck Surface (C7) er (Explain in Remarks)	Soils (C6)	<ul> <li> Stunted or Stressed Plants (D1)</li> <li> Geomorphic Position (D2)</li> <li> Shallow Aquitard (D3)</li> <li> Microtopographic Relief (D4)</li> <li> FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	36	
Water Table Present?	Yes 🟒 No	Depth (inches):	0	- Wetland Hydrology Present? Yes _∠_ No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	-
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring well,	, aerial photos, previous ins	pections), if	available:

Sampling Point: W-JJB-31; PAB-1

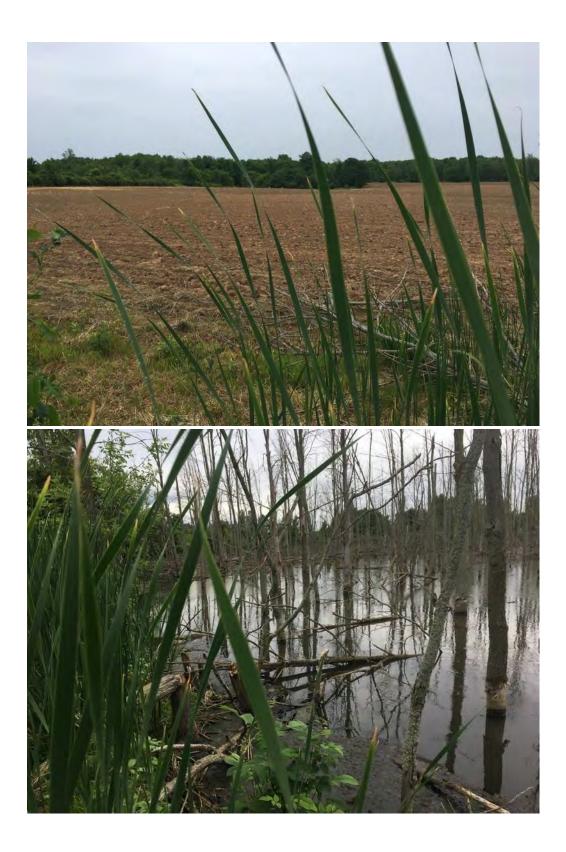
T <u>ree Stratum</u> (Plot size: <u>30 ft</u> ) 1.	% Cover	Dominant Species?	Indicator Status	Dominance Test work Number of Dominant Are OBL, FACW, or FA	Species That	1	(A)
2.				Total Number of Dom Across All Strata:		1	(B)
3 4				Percent of Dominant Are OBL, FACW, or FA		100	(A/B)
5				Prevalence Index wor	ksheet:		
6				- Total % Cove	er of:	Multiply By	<u>/:</u>
7				OBL species	5	x 1 =	5
	0	= Total Cove	er	FACW species	0	x 2 =	0
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		<u> </u>		- Column Totals	5	(A)	5 (B)
1					Index = B/A =		5 (5)
5		<u> </u>		-		<u>'</u>	
5				Hydrophytic Vegetatio		(	
7.				1- Rapid Test for		regetation	
	0	= Total Cove	er	2 - Dominance T			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )		-		3 - Prevalence Ir			
1. Typha angustifolia	5	Yes	OBL	4 - Morphologic			ipporting
2		·		- data in Remarks or or	•		(a);a)
				Problematic Hyd			
1				- <sup>1</sup> Indicators of hydric s			must be
				present, unless distur		matic	
				Definitions of Vegetat			
5	·			Tree – Woody plants			ameter a
7				breast height (DBH), r	-	-	
8				Sapling/shrub - Wood			BH and
9				greater than or equal			
10				Herb – All herbaceous			raless of
11				size, and woody plant			0.64 1.4
12		<u> </u>		Woody vines – All wo	ody vines grea	ter than 3.28	sπin
	5	= Total Cove	er	height.			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetat	ion Present?	res 🟒 No	
1.							
2.				-			
3.				-			
4.				-			
	0	= Total Cove	)r	-			
	0	-	-1				

	% Color (moist)	% Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks	
			<u> </u>	
pe: C = Concentration, D =	Depletion, RM = Reduced	Matrix, MS = Masked Sand G	rains. <sup>2</sup> Location: PL = Pore Lining, M = Matrix.	
ric Soil Indicators:			Indicators for Problematic Hydric Soils <sup>3</sup> :	
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surf Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, I</b>	Loamy Gleye Depleted Ma face (A11) Redox Dark S Depleted Dar Redox Depre	trix (F3) Surface (F6) rk Surface (F7) essions (F8)	<ul> <li>Coast Prairie Redox (A16) (LRR K, L, F</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K,</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K,</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR F</li> <li>Piedmont Floodplain Soils (F19) (MLI</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145,</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>	, L, R) , L) K, L, R) RA 149B)
	* *	rology must be present, unles I	s disturbed or problematic.	
strictive Laver (if observed)		Hydric Soil Pre		
strictive Layer (if observed) Type:	None		sent? Yes 🏒 No 🔄	
strictive Layer (if observed) Type: Depth (inches): marks:	None			

## Hydrology Photos



Photo of Sample Plot





Project/Site: Excelsion	State:       NY       Sampling Point:       W-JJB-34; UPL-1         vestigator(s):       Jake Brillo, Isaac Pallant       Section, Township, Range:       Sampling Point:       W-JJB-34; UPL-1         ndform (hillslope, terrace, etc.):       Agricultural Field       Local relief (concave, convex, none):       Flat       Slope (%):       0-1         bregion (LRR or MLRA):       LRR L       Lat:       43.054794129       Long:       -78.0874068663       Datum:       WGS84         ill Map Unit Name:       Romulus silt loam, 0 to 3 percent slopes       NWI classification:						
Applicant/Owner: N	lextEra			State: NY		Sampling Point: \	<i>N-</i> JJB-34; UPL-1
Investigator(s): Jake	Brillo, Isaac Pa	allant		Section, Township, R	ange:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local re	lief (concave, conve	k, none):	Flat	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR	-	L	at: 43.054794129	Long:	-78.0874068663	Datum: WGS84
Soil Map Unit Name:	Romulus silt	loam, 0 to 3 percent slo	opes			NWI classific	ation:
Are climatic/hydrologic	c conditions or	the site typical for this	time of year?	Yes No	🖌 (lf no	, explain in Remarl	<s.)< td=""></s.)<>
Are Vegetation,	Soil,	or Hydrology sign	ificantly disturbed?	Are "Normal	Circums	tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology natu	urally problematic?	(If needed, e	xplain ar	ny answers in Rema	arks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures here	re or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspections), if	available:

Sampling Point: W-JJB-34; UPL-1

	Absolute %	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: <u>30 ft</u> )	Cover	Species?	Status	Number of Dominant Species That	0	(4)
1.				Are OBL, FACW, or FAC:	0	(A)
2.				Total Number of Dominant Species	0	
3.				Across All Strata:		(B)
4.	·			Percent of Dominant Species That		(A/B)
5.				Are OBL, FACW, or FAC:		(A/ B)
	·			<ul> <li>Prevalence Index worksheet:</li> </ul>		
6.				<u> </u>	Multiply E	<u>By:</u>
7				— OBL species 0	x 1 =	0
		= Total Cover		FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>	_)			FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2	. <u> </u>			UPL species 0	x 5 =	0
3				— Column Totals 0	(A)	0 (B)
4				Prevalence Index = B/A =	· · · —	0 (D)
5.						
6.				<ul> <li>Hydrophytic Vegetation Indicators:</li> </ul>		
7.				1- Rapid Test for Hydrophytic	/egetation	
	0	= Total Cover		2 - Dominance Test is > 50%		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				3 - Prevalence Index is $≤ 3.0^1$		
				4 - Morphological Adaptations		supporting
2				data in Remarks or on a separate sl		
2				Problematic Hydrophytic Vege		
	·			<sup>1</sup> Indicators of hydric soil and wetlar		រ្វy must be
4				present, unless disturbed or proble	matic	
5				Definitions of Vegetation Strata:		
6				<b>Tree</b> – Woody plants 3 in. (7.6 cm) o		liameter at
7	. <u></u>			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		
12.				Woody vines – All woody vines grea	ter than 3.2	28 ft in
	0	= Total Cover		height.		
Woody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes N	0 🖌
1.						
2.				—		
3.	·			-		
4.	·			—		
*	0	- Total Cover				
	0	= Total Cover				
Remarks: (Include photo numbers here o Active agricultural field	r on a separate	e sneet.)				

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup> Textu	re			Remarks
0 - 12	10YR 4/3	100				Silt Lo	am			
e: C = 0	Concentration, D = I	Depletic	on, RM = Reduced	Mati	rix, MS =	Masked Sand Grains.				
	Indicators:						Indicators for I	roble	ma	tic Hydric Soils <sup>3</sup> :
listoso			-			8) (LRR R, MLRA 149B)				R K, L, MLRA 149B)
	pipedon (A2) istic (A3)		Thin Dark Su Loamy Muck							(A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye							Peat (S3) <b>(LRR K, L, R)</b>
	ed Layers (A5)		Depleted Ma				Dark Surfa			
	ed Below Dark Surfa	ice (A11					Polyvalue E			face (S8) <b>(LRR K, L)</b>
Thick D	ark Surface (A12)		Depleted Dar	'k Sui	rface (F7)					sses (F12) <b>(LRR K, L, R)</b>
	Mucky Mineral (S1)		Redox Depre	ssion	is (F8)		0			n Soils (F19) <b>(MLRA 149B</b> )
-	Gleyed Matrix (S4)									MLRA 144A, 145, 149B)
-	Redox (S5)						Red Parent			
	d Matrix (S6)						Very Shallo			
Dark Su	urface (S7) <b>(LRR R, N</b>	ILRA 14	9B)				Other (Exp			
	of budropbutic yog	etation	and wetland hydr	ology	y must be	e present, unless distu	bed or problemation			
icators	of hydrophytic veg									
	Layer (if observed):					Hydric Soil Present?	Yes	N	~	L
			None	-		nyune son resent.	105_		<u> </u>	
	Layer (if observed):		None	-		nyune son resent.			J	
rictive	Layer (if observed): Type:		None	- 					<u> </u>	
rictive	Layer (if observed): Type:		None	<u>-</u>					J	
rictive	Layer (if observed): Type:		None						J <u> </u>	
rictive	Layer (if observed): Type:		None						·	
rictive	Layer (if observed): Type:		None	-					·	
rictive	Layer (if observed): Type:		None						, <u> </u>	
rictive	Layer (if observed): Type:		None							
rictive	Layer (if observed): Type:		None							
rictive	Layer (if observed): Type:		None							
rictive	Layer (if observed): Type:		None							
rictive	Layer (if observed): Type:		None							
trictive	Layer (if observed): Type:		None	-						
trictive	Layer (if observed): Type:		None	-					,,	
trictive	Layer (if observed): Type:		None	-					,,	
	Layer (if observed): Type:		None	-					<u> </u>	
trictive	Layer (if observed): Type:		None							
trictive	Layer (if observed): Type:		None							

Vegetation Photos



Soil Photos

Photo of Sample Plot





Project/Site: Excelsion		Cit	t <b>y/County:</b> Byr	ron, Genesee			Sampling Date:	2019-May-29
Applicant/Owner: N	lextEra				State: NY		Sampling Point:	W-JJB-01; UPL-1
Investigator(s): Jake	Brillo, Rebecca	Cosgrove		Sect	ion, Township, Ra	ange:		
Landform (hillslope, te	rrace, etc.):	Hillslope		Local relief	(concave, convex	, none):	Convex	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR L			Lat:	43.083366612	Long:	-78.0505046994	Datum: WGS84
Soil Map Unit Name:	Ovid silt loam	n, 0 to 3 percent sl	opes				NWI classifi	cation:
Are climatic/hydrologic	c conditions on	the site typical for	r this time of y	ear?	Yes 🟒 No _	(If n	o, explain in Rema	arks.)
Are Vegetation,	Soil,	or Hydrology	significantly d	isturbed?	Are "Normal	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally prob	olematic?	(If needed, ex	cplain ar	ny answers in Rem	arks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No _		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No 🟒	lf yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL.			

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JJB-01; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	2	(A)
I. Acer saccharum	60	Yes	FACU	Are OBL, FACW, or FAC:		(A)
2. Tilia americana	10	No	FACU	Total Number of Dominant Species Across All Strata:	5	(B)
				Percent of Dominant Species That		
				Are OBL, FACW, or FAC:	40	(A/B)
				Prevalence Index worksheet:		
				Total % Cover of:	Multiply E	<u>By:</u>
				OBL species 0	x 1 =	0
	70	= Total Cov	er	FACW species 5	x 2 =	10
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 30	x 3 =	90
. Prunus serotina	8	Yes	FACU	FACU species 106	x 4 =	424
. Fraxinus pennsylvanica	5	Yes	FACW	UPL species 0	x 5 =	0
3				- Column Totals 141	(A)	524 (B)
				Prevalence Index = B/A =	· · · —	524 (D
				Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic	Vegetation	
				2 - Dominance Test is > 50%	egetation	
		= Total Cov	er	$3 - Prevalence Index is \le 3.0^1$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptations	1 (Provido s	unnortin
. Toxicodendron radicans	30	Yes	FAC	- data in Remarks or on a separate s		upportin
2. Parthenocissus quinquefolia	18	Yes	FACU	<ul> <li>Problematic Hydrophytic Vege</li> </ul>		olain)
B. Podophyllum peltatum	10	No	FACU	Indicators of hydric soil and wetlar		
1.				present, unless disturbed or proble		ymases
5.				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) o	r more in d	iameter a
7.				breast height (DBH), regardless of h		
				Sapling/shrub – Woody plants less	-	BH and
				greater than or equal to 3.28 ft (1 m		
0				Herb – All herbaceous (non-woody)		ardless o
				size, and woody plants less than 3.2		
1				Woody vines – All woody vines grea	ter than 3.2	28 ft in
2		- Tatal Cau		height.		
	58	= Total Cov	er	Hydrophytic Vegetation Present?	Yes No	
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )						
2						
3						
1						
	0	= Total Cov	er			

(inches) 0 - 7	Matrix		Redox	Feat		ndicator or confirm the		
0 7	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup> Textu	re	Remarks
0-7	10YR 2/2	100				Silt Loa	im	
7 - 16	10YR 3/4	100				Loan	<u>ו</u>	
						. <u> </u>		
				·				
		Depletio	n, RM = Reduced	Matr	ix, MS =	Masked Sand Grains.	<sup>2</sup> Location: PL = Por	e Lining, M = Matrix.
ydric Soil In							Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol (						8) (LRR R, MLRA 149B)	2 cm Muck	(A10) <b>(LRR K, L, MLRA 149B)</b>
	pedon (A2)		Thin Dark Su				Coast Prairi	e Redox (A16) <b>(LRR K, L, R)</b>
Black Hist	n Sulfide (A4)		Loamy Muck			(LKK N, L)		/ Peat or Peat (S3) <b>(LRR K, L, R)</b>
	Layers (A5)		Depleted Ma					e (S7) (LRR K, L)
	Below Dark Surfa	ace (A11)					-	elow Surface (S8) (LRR K, L)
	k Surface (A12)		Depleted Da	k Sur	face (F7)			urface (S9) (LRR K, L)
Sandy Μι	ucky Mineral (S1)		Redox Depre	ssion	s (F8)			nese Masses (F12) <b>(LRR K, L, R)</b> loodplain Soils (F19) <b>(MLRA 149B)</b>
Sandy Gl	eyed Matrix (S4)							ic (TA6) (MLRA 144A, 145, 149B)
Sandy Re	dox (S5)						Red Parent	
	Matrix (S6)							w Dark Surface (TF12)
Dark Surf	face (S7) <b>(LRR R, N</b>	/LRA 149	9B)					ain in Remarks)
Indicators o	f hydrophytic veg	etation a	and wetland hydi	ology	/ must be	e present, unless distur	bed or problematio	
	ayer (if observed):			0,			•	
	ype:		Rocks			Hydric Soil Present?	Yes	No
T			16	•				
	Depth (inches):							
C	Depth (inches):							
C	Depth (inches):							
<u> </u>	Depth (inches):							
<u> </u>	Depth (inches):							
<u> </u>	Depth (inches):							
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<u> </u>	Depth (inches):							
<u> </u>	Depth (inches):							
<u> </u>	Depth (inches):							
C	Depth (inches):							
C	Depth (inches):							
C	Depth (inches):							
	Depth (inches):							
C	Depth (inches):							
C	Depth (inches):							

Project/Site: Excelsion			City/County: Byron, Ge	enesee	County			Sampling Date:	2019-May-29
Applicant/Owner: N	lextEra				State:	New Yor	k	Sampling Point:	W-JDV-07; UPL-2
Investigator(s): Jeff	/andeveer, IBF	•		Secti	on, Towns	hip, Rang	ge:		
Landform (hillslope, te	rrace, etc.):	Toe slope	Loca	al relief (	concave, o	convex, n	one):	Convex	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR I	-		Lat:	43.086234	19	Long:	-78.092087	Datum: WGS84
Soil Map Unit Name:	Wakeville sil	loam						NWI classifi	cation:
Are climatic/hydrologic	c conditions or	the site typical	for this time of year?		Yes 🖌	_No	_ (If no	o, explain in Rema	arks.)
Are Vegetation,	Soil,	or Hydrology	significantly disturb	ed?	Are "No	ormal Cir	cumst	ances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally problemat	tic?	(If need	ded, expl	ain an	y answers in Rem	arks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL.			

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JDV-07; UPL-2

T <u>ree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant Are OBL, FACW, or FAC	Species That	1	(A)
 2				Total Number of Domi		3	(B)
3				<ul> <li>Percent of Dominant S</li> <li>Are OBL, FACW, or FAC</li> </ul>		33.3	(A/B)
5		. <u> </u>		Prevalence Index work	sheet:		
		. <u> </u>		Total % Cover	of:	Multiply E	By:
7		<u> </u>		OBL species	0	x 1 =	0
	0	= Total Cov	er	FACW species	10	x 2 =	20
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	3	x 3 =	9
. Cornus amomum	10	Yes	FACW	FACU species	75	x 4 =	300
2				- UPL species	0	x 5 =	0
3				Column Totals	88	(A)	329 (B)
				-	ndex = B/A =		525 (5)
				Hydrophytic Vegetation		/	
7.				1- Rapid Test for		regetation	
	10	= Total Cov	er	2 - Dominance Te			
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )		-		3 - Prevalence Inc			
. Solidago canadensis	25	Yes	FACU	4 - Morphologica			supporting
. Hesperis matronalis	20	Yes	FACU	- data in Remarks or on			(مزدام
3. Alliaria petiolata	15	No	FACU	<ul> <li>Problematic Hydr</li> <li><sup>1</sup>Indicators of hydric so</li> </ul>			
A. Allium cernuum	10	No	FACU	present, unless disturb		, ,	gy must be
5. Parthenocissus guinguefolia	5	No	FACU	Definitions of Vegetation		matic	
5. Toxicodendron radicans	3	No	FAC	Tree – Woody plants 3		r moro in d	liamotor a
7			1/10	breast height (DBH), re			nameter a
				Sapling/shrub – Woody	-	-	BH and
				greater than or equal t			birana
				Herb – All herbaceous			ardless of
				size, and woody plants	-		,
11				Woody vines - All woo			28 ft in
2		Tabal Ca		height.	, 0		
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> ) 1.	78	_= Total Cov	er	Hydrophytic Vegetatic	on Present?	res N	0 🟒
·		·		-			
3				-			
 4.		·		-			
т	0	- Total Car	or	-			
	U	= Total Cov	CI				

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture					Remarks
) - 12	10YR 5/3	100		_			Silt Loan	n				
		·		-		<u> </u>						
		·				·						
		·		· —	. <u> </u>	·						
				·								
		·		· —								
		·		· —	. <u> </u>	·						
			- DM Deduced			N	Canada Curaina a 20					NA NA-Lein
	Concentration, D =	Depletic	n, RM = Reduced	Matr	'IX, MS =	Masked	Sand Grains. <sup>2</sup> L					, M = Matrix. atic Hydric Soils <sup>3</sup> :
listosol			Polyvalue Bel	ow S	urface (S	8) (LRR R	, MLRA 149B)					RR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su									(A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LRR K, L	)					r Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4) d Layers (A5)		Loamy Gleye					Dark	Surfac	e (S	7) <b>(</b> L	.RR K, L)
	d Below Dark Surfa							,				rface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)	•	Depleted Dar		• •	)						S9) <b>(LRR K, L)</b>
	/ucky Mineral (S1)		Redox Depre						-			asses (F12) <b>(LRR K, L, R)</b>
-	Gleyed Matrix (S4)											in Soils (F19) <b>(MLRA 149E</b>
-	Redox (S5)								•			(MLRA 144A, 145, 149B)
DaridV B								Ded	Parent	Mat	eria	l (F21)
-												
Stripped	d Matrix (S6)	/II RA 14	) B)					Very	Shallov	v Da	ark S	Surface (TF12)
Stripped Dark Su	d Matrix (S6) ırface (S7) <b>(LRR R, N</b>							Very Othe	Shallov r (Expla	v Da ain i	ark S	
Stripped Dark Su licators	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> of hydrophytic veg	etation		ology	/ must be	e present	, unless disturbe	Very Othe	Shallov r (Expla	v Da ain i	ark S	
Stripped Dark Su licators trictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> :	etation	and wetland hydr	ology	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su icators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation		ology	/ must be		:, unless disturbe Soil Present?	Very Othe ed or proble	Shallov r (Expla	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su icators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>Layer (if observed)</b> :	etation	and wetland hydr	ology	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su icators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su icators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su cators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su cators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology 	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su cators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su icators <b>rictive</b> l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology 	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ology	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	<u>.</u>	/ must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ologj	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive l	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation	and wetland hydr	ologj	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive I	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: _Depth (inches):	etation (	and wetland hydr	ologj	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive I	d Matrix (S6) ırface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etation (	and wetland hydr	ology	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su licators trictive I	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: 	etation (	and wetland hydr	olog)	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su dicators strictive I	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: 	etation (	and wetland hydr	olog)	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su <u>dicators</u> trictive I narks:	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: 	etation (	and wetland hydr	rolog)	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su dicators strictive I	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: 	etation (	and wetland hydr	olog)	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su dicators trictive I narks:	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: 	etation (	and wetland hydr	olog)	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)
Stripped Dark Su <u>licators</u> trictive I	d Matrix (S6) irface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type: 	etation (	and wetland hydr	olog,	y must be			Very Othe ed or proble	Shallov r (Expla ematic	v Da ain ii	ark S n Re	emarks)

Photo of Sample Plot





Project/Site: Excelsior		City/0	County: Byron, Gene	esee	Sampling Date: 2019-June-13				
Applicant/Owner: N	lextEra			State: NY		Sampling Point: \	N-JJB-31; UPL-3		
Investigator(s): Jake	Brillo, Isaac Pa	allant		Section, Township, Ra	ange:				
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local re	elief (concave, convex	, none):	Flat	Slope (%): 0-1		
Subregion (LRR or MLF	RA): LRR	_		Lat: 43.0519487663	Long:	-78.0884737988	Datum: WGS84		
Soil Map Unit Name:	Ovid silt loar	n, 3 to 8 percent slope	es			NWI classific	ation:		
Are climatic/hydrologi	c conditions o	n the site typical for th	nis time of year?	Yes No	🖌 (lf no	, explain in Remark	<s.)< td=""></s.)<>		
Are Vegetation,	Soil,	or Hydrology sig	gnificantly disturbed	? Are "Normal	Circums	tances" present?	Yes No 🟒		
Are Vegetation,	Soil,	or Hydrology na	aturally problematic?	? (If needed, ex	cplain ar	ny answers in Rema	arks.)		

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JJB-31; UPL-3

<u> Free Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Th Are OBL, FACW, or FAC:	o 0	(A)
 2				Total Number of Dominant Spec	ies 1	(B)
3.				Across All Strata:		(2)
ł				Percent of Dominant Species Th	at O	(A/B)
5				<ul> <li>Are OBL, FACW, or FAC:</li> <li>Prevalence Index worksheet:</li> </ul>		
5				- <u>Total % Cover of:</u>	Multiply	BV:
7				- OBL species 0	x 1 =	<u> </u>
	0	= Total Cov	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
I				- FACU species 0	x 4 =	0
2.				- UPL species 15	x4 = x5 =	75
3				· · ·		
4.					(A)	75 (B)
5.				Prevalence Index = B//		
5.				Hydrophytic Vegetation Indicato		
7.				1- Rapid Test for Hydrophy	-	n
	0	= Total Cov	er	2 - Dominance Test is > 509		
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u> )		-		$3 - Prevalence Index is \le 3$ .		
	15	Yes	UPL	4 - Morphological Adaptati		supporting
				- data in Remarks or on a separat		
2				- Problematic Hydrophytic V	0	
				- <sup>1</sup> Indicators of hydric soil and we	-	ogy must be
4				_ present, unless disturbed or pro	blematic	
5				Definitions of Vegetation Strata:		
5				Tree – Woody plants 3 in. (7.6 cm		diameter a
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		gardless of
11				size, and woody plants less than		
12				Woody vines – All woody vines g	reater than a	3.28 ft in
	15	= Total Cov	er	height.		
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetation Present	? Yes	No 🟒
1.						
2.		·		-		
3.		·		-		
4.		·		-		
	0	= Total Cov	or	-		
	0	- 10101 COV	CI			

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture					Remarks
0 - 8	10YR 4/3	100					Silt Loam	ו ו				
						<u> </u>						
				· —								
e: C = C	Concentration, D = I	Depletic	on, RM = Reduced	Mat	rix, MS =	Masked S	and Grains. <sup>2</sup> L	.ocation: PL = Pc	re Li	nir	g,	M = Matrix.
	Indicators:										-	tic Hydric Soils <sup>3</sup> :
listosol			Polyvalue Bel					2 cm Muc	(A1	0) (	LR	R K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su				149B)	Coast Pra	rie R	ed	хc	(A16) <b>(LRR K, L, R)</b>
	istic (A3) en Sulfide (A4)		Loamy Mucky			(LKK K, L)			-			Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma					Dark Surfa				
	d Below Dark Surfa	ice (A11						-				face (S8) <b>(LRR K, L)</b>
Fhick Da	ark Surface (A12)		Depleted Dar	'k Su	rface (F7)	1		Thin Dark				9) (LRR K, L) sses (F12) (LRR K, L, R)
Sandy N	/lucky Mineral (S1)		Redox Depre	ssior	is (F8)			、				sses (F12) <b>(LKR K, L, K)</b> 1 Soils (F19) <b>(MLRA 149B</b> )
Sandy C	Gleyed Matrix (S4)											MLRA 144A, 145, 149B)
Sundy C												
	Redox (S5)							Red Parer	t Ma	ter	ial	
Sandy R Stripped	d Matrix (S6)							Red Parer Verv Shall				
Sandy R Stripped		ILRA 14	9B)					Red Parer Very Shall Other (Exj	ow D	arl	۲, S	urface (TF12)
Sandy R Strippec Dark Su	d Matrix (S6)			olog	y must be	e present,	unless disturbe	Very Shall Other (Exp	ow D olain	arl	۲, S	urface (TF12)
Sandy R Strippeo Dark Su licators	d Matrix (S6) ırface (S7) <b>(LRR R, M</b>	etation		olog	y must be	e present,	unless disturbe	Very Shall Other (Exp	ow D olain	arl	۲, S	urface (TF12)
Sandy R Stripped Dark Su icators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> of hydrophytic veg	etation		olog	y must be	ĺ	unless disturbe oil Present?	Very Shall Other (Exp	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> of hydrophytic veg L <b>ayer (if observed):</b>	etation	and wetland hydr	rolog	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	olog	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators rrictive l	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	olog	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
itripped Dark Su cators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	<u>-olog</u>	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
andy R Stripped Dark Su <u>cators</u> rictive I	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	<u>-olog</u>	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
itripped Dark Su cators rictive l	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	-olog	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	- -	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators rrictive l	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	-olog	y must b	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	olog	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su licators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	- -	y must b	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su licators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks		y must bi	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	-	y must bi	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	- -	y must bi	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su licators <b>trictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	-	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su dicators trictive l	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	- -	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su licators <b>trictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	<u>-</u>	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su licators <b>trictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	-	y must be	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)
Sandy R Stripped Dark Su icators t <b>rictive l</b>	d Matrix (S6) ırface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>Layer (if observed):</b> Type:	etation	and wetland hydr Rocks	-	y must b	ĺ		Very Shall Other (Exp ed or problemat	ow D blain ic.	arl in	c S Re	urface (TF12) marks)

Vegetation Photos



Photo of Sample Plot





Project/Site: Excelsior		Ci	i <b>ty/County:</b> Byro	on, Genesee	County		Sampling Date	: 2019-May-28
Applicant/Owner: Ne	extEra				State:	New York	Sampling Point:	W-JDV-04; PEM-1
Investigator(s): Jeff Va	andeveer, IBP			Sec	tion, Towns	ship, Range:		
Landform (hillslope, ter	race, etc.):	Swale		Local relief	(concave,	convex, none)	: Concave	Slope (%): 1-10
Subregion (LRR or MLRA	A): LRR L			Lat:	43.082294	43 Long	: -78.0476371	Datum: WGS84
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 perce	ent slopes				NWI classif	ication: R4SBC
Are climatic/hydrologic	conditions or	the site typical fo	or this time of ye	ar?	Yes 🖌	_ No (If r	no, explain in Rema	arks.)
Are Vegetation,	Soil 🟒,	or Hydrology	_ significantly dis	sturbed?	Are "N	ormal Circum	stances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	_ naturally probl	lematic?	(If nee	ded, explain a	ny answers in Ren	narks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-04
Remarks: (Explain alternative procedures	here or in a separate repo	ort)	
TRC covertype is PEM. rock/gravel soil res	striction at 8 inches due to	agricultural ditch installation	

Wetland Hydrology Indicators:						
Primary Indicators (minimum of or	ne is required; che	<u>ck all that apply)</u>		Secondary Indicators (minimum of two required)		
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	A N H	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Dxidized Rhizospheres on Livin	g Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>		
<ul> <li> Drift Deposits (B3)</li> <li>_ Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Ima</li> <li> Sparsely Vegetated Concave Su</li> </ul>	F T agery (B7) C	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Fhin Muck Surface (C7) Dther (Explain in Remarks)	Soils (C6)	<ul> <li> Stunted or Stressed Plants (D1)</li> <li> Geomorphic Position (D2)</li> <li> Shallow Aquitard (D3)</li> <li> Microtopographic Relief (D4)</li> <li> FAC-Neutral Test (D5)</li> </ul>		
Field Observations:						
Surface Water Present?	Yes No 🟒	Depth (inches):				
Water Table Present?	Yes 🟒 No	_ Depth (inches):	2	Wetland Hydrology Present? Yes No		
Saturation Present?	Yes 🟒 No	_ Depth (inches):	0			
(includes capillary fringe)						
Describe Recorded Data (stream g	auge, monitoring v	well, aerial photos, previous in	spections), if	available:		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JDV-04; PEM-1

<u>Free Stratum (Plot size:30 ft)</u>	Absolute	Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Are OBL, FACW, or FAC:	That 2	(A)
·		<u> </u>		Total Number of Dominant Sp	ecies	(7)
				Across All Strata:	2	(B)
				Percent of Dominant Species 1	hat 10	0 (A/B)
· · · · · · · · · · · · · · · · · · ·				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		
		<u> </u>		- <u>Total % Cover of:</u>	<u>Multipl</u>	
·		= Total Cov	er	- OBL species 63	x 1 =	63
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		iotai cor		FACW species 30	x 2 =	60
				FAC species 0	x 3 =	0
				- FACU species 0	x 4 =	0
				- UPL species 0	x 5 =	0
·				- Column Totals 93	(A)	123 (B)
				Prevalence Index = E	3/A = <u>1.3</u>	
·				Hydrophytic Vegetation Indica		
				1- Rapid Test for Hydroph		n
	0	= Total Cov	er	2 - Dominance Test is >50		
l <u>erb Stratum</u> (Plot size: <u>5 ft</u> )				$_✓$ 3 - Prevalence Index is ≤		
. Leersia oryzoides	55	Yes	OBL	4 - Morphological Adapta - data in Remarks or on a separ		e supportin
. Phalaris arundinacea	20	Yes	FACW	Problematic Hydrophytic		- volain)
. Dichanthelium clandestinum	10	No	FACW	<sup>1</sup> Indicators of hydric soil and w	•	
. Typha angustifolia	8	No	OBL	present, unless disturbed or p	-	069 111451 51
j				Definitions of Vegetation Strat		
				Tree – Woody plants 3 in. (7.6 o	cm) or more ir	i diameter a
7				breast height (DBH), regardles	s of height.	
				Sapling/shrub – Woody plants		DBH and
l				greater than or equal to 3.28 f		
0				Herb – All herbaceous (non-wo		egardless of
1				size, and woody plants less that		2 20 6 14
2				<ul> <li>Woody vines – All woody vines</li> <li>height.</li> </ul>	greater than	3.28 π In
	93	= Total Cov	er			
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Prese	nt? Yes 🟒	NO
				_		
<u> </u>				-		
3				-		
l				-		
	0	= Total Cov	er			

## Sampling Point: W-JDV-04; PEM-1

nches)	Color (moist)	% Color (r	noist) %	Type <sup>1</sup> l	.oc <sup>2</sup> Texture	Remarks
0 - 8	10YR 5/2	95 5Y 5	./4 5	С	M Clay Loar	n restriction at 8"
		<u> </u>				
	oncentration, D = [ ndicators:	epletion, RM = I	Reduced Mat	rix, MS = M	asked Sand Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
listosol		Poly	value Below S	Surface (S8)	(LRR R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)				, MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		ny Mucky Mir		RR K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		ny Gleyed Ma eted Matrix (			Dark Surface (S7) (LRR K, L)
	d Below Dark Surfa					Polyvalue Below Surface (S8) (LRR K, L)
	irk Surface (A12)	· ·	eted Dark Su			Thin Dark Surface (S9) (LRR K, L)
	lucky Mineral (S1)	•	x Depressior			Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy G	leyed Matrix (S4)		•			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	edox (S5)					Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	Matrix (S6)					Red Parent Material (F21)
	rface (S7) <b>(LRR R, M</b>	LRA 149B)				Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
licators	of hydrophytic vege	tation and wetla	and hydrolog	y must be p	resent, unless disturbe	
	ayer (if observed):					
	Туре:	Rock/gra	vel	F	lydric Soil Present?	Yes 🟒 No
	Depth (inches):	8				
aarks:						

Soil Photos



Photo of Sample Plot



Northcentral and Northeast Region -- Version 2.0 Adapted by TRC







Project/Site: Excelsion	Project/Site: Excelsior			ron, Genesee			Sampling Date:	2019-June-13
Applicant/Owner: N				State: NY	Sampling Point: W-JJB-31; UPL-1			
Investigator(s): Jake	Brillo, Isaac Pa	llant		Sect	ion, Township, Ra	ange:		
Landform (hillslope, te	rrace, etc.):	Hillslope		Local relief	(concave, convex	, none):	Flat	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR L			Lat:	43.0486098574	Long:	-78.0884722557	Datum: WGS84
Soil Map Unit Name:	Ovid silt loam	n, 3 to 8 percent sl	opes				NWI classific	cation:
Are climatic/hydrologic	c conditions on	the site typical fo	r this time of y	ear?	Yes No	🖌 (lf no	, explain in Remar	ks.)
Are Vegetation,	Soil,	or Hydrology	significantly d	listurbed?	Are "Normal	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally prob	olematic?	(If needed, ex	cplain ar	y answers in Rem	arks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures	here or in a separate repo	ort)	
TRC covertype is UPL. Wetter than average	ae vear		
The covertype is of 2. Wetter than average	,e year		

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-31; UPL-1

<u>ree Stratum</u> (Plot size: <u>30 ft</u> )	Absolute	Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Th Are OBL, FACW, or FAC:	at O	(A)
				- Total Number of Dominant Speci	es 2	(B)
				Percent of Dominant Species That	+	
·				- Are OBL, FACW, or FAC:	0	(A/B)
·				Prevalence Index worksheet:		
·				- <u>Total % Cover of:</u>	Multiply	By:
·				- OBL species 0	x 1 =	0
	0	= Total Cov	er	FACW species 0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
				- FACU species 95		380
·				- UPL species 0	x5=	0
				- Column Totals 95		
					(A)	380 (B
				Prevalence Index = B/A		
				Hydrophytic Vegetation Indicator		-
				1- Rapid Test for Hydrophyt	-	1 I
	0	= Total Cov	er	2 - Dominance Test is > 50%		
erb Stratum (Plot size: <u>5 ft</u> )				$3 - Prevalence Index is \le 3.0$		
. Dactylis glomerata	55	Yes	FACU	4 - Morphological Adaptatic		supportin
. Lotus corniculatus	25	Yes	FACU	- data in Remarks or on a separate		
. Taraxacum officinale	15	No	FACU	Problematic Hydrophytic Ve	-	•
	15	110	TACO	<sup>1</sup> Indicators of hydric soil and wet	-	ogy must b
				present, unless disturbed or pro	plematic	
				_ Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm	-	diameter
				breast height (DBH), regardless o	-	
				Sapling/shrub – Woody plants les		DBH and
				greater than or equal to 3.28 ft (1		
0				Herb – All herbaceous (non-wood		gardless o
1				size, and woody plants less than		
2				Woody vines – All woody vines gr	eater than 3	8.28 ft in
	95	= Total Cov	er	height.		
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present	? Yes I	No 🟒
·				-		
				-		
··				-		
				-		
	0	= Total Cov	er			

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
) - 12	5YR 4/3	100					Loam		
				· <u> </u>					
<u> </u>									
				_					
				-					
e: C = 0	Concentration, D = D	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains.	<sup>2</sup> Location: PL =	Pore Lining, M = Matrix.
ric Soil	Indicators:	•							or Problematic Hydric Soils <sup>3</sup> :
listoso			Polyvalue Bel					2 cm Mi	uck (A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2)		Thin Dark Su					Coast P	rairie Redox (A16) <b>(LRR K, L, R)</b>
	istic (A3) en Sulfide (A4)		Loamy Mucky			(LRR K, L)		5 cm Mi	ucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
			Loamy Gleye						rface (S7) <b>(LRR K, L)</b>
Juanne	d Lavore (A5)		Depleted Ma	triv (F	-31				
	ed Layers (A5) ed Below Dark Surfa	ce (A11)	Depleted Mat					-	ue Below Surface (S8) <b>(LRR K, L)</b>
Deplete	ed Below Dark Surfa		) Redox Dark S	urfa	ce (F6)			Thin Da	rk Surface (S9) <b>(LRR K, L)</b>
Deplete Thick Da	ed Below Dark Surfa ark Surface (A12)		) Redox Dark S Depleted Dar	urfao k Sui	ce (F6) rface (F7)			Thin Da Iron-Ma	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b>
Deplete Thick Da Sandy N	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1)		) Redox Dark S	urfao k Sui	ce (F6) rface (F7)			Thin Da Iron-Ma Piedmo	rk Surface (S9) <b>(LRR K, L)</b> inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B</b> )
Deplete Thick Da Sandy N Sandy O	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)		) Redox Dark S Depleted Dar	urfao k Sui	ce (F6) rface (F7)			Thin Da Iron-Ma Piedmo Mesic S	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Deplete Thick Da Sandy N Sandy G Sandy F	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)		) Redox Dark S Depleted Dar	urfao k Sui	ce (F6) rface (F7)			Thin Da Iron-Ma Piedmo Mesic S Red Par	rk Surface (S9) <b>(LRR K, L)</b> inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21)
Deplete Thick Da Sandy N Sandy C Sandy F Stripped	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6)		) Redox Dark S Depleted Dar Redox Depre	urfao k Sui	ce (F6) rface (F7)			Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh	rk Surface (S9) <b>(LRR K, L)</b> inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12)
Deplete Thick Da Sandy N Sandy G Sandy F Stripped Dark Su	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, M</b>	LRA 149	) Redox Dark S Depleted Dar Redox Depre 9 <b>B)</b>	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)			Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E	rk Surface (S9) <b>(LRR K, L)</b> inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
Deplete Thick Da Sandy N Sandy C Sandy F Stripped Dark Su licators	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, M</b> of hydrophytic vege	LRA 149	) Redox Dark S Depleted Dar Redox Depre 9 <b>B)</b>	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)		, unless disturl	Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E	rk Surface (S9) <b>(LRR K, L)</b> inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
Deplete Fhick Da Sandy N Sandy C Sandy F Stripped Dark Su icators	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed):	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Deplete Thick Da Gandy N Gandy C Gandy F Stripped Dark Su Jark Su	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre 9 <b>B)</b>	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present	:, unless disturt Soil Present?	Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
Deplete Thick Da Gandy N Gandy F Gandy F Gandy F Candy F C Candy F C Candy F C Candy F C Candy F C Candy F C Candy F C Candy F C Candy F Candy	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed):	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Deplete Thick Da Gandy N Gandy F Gandy F Gandy F Candy F C Candy F C Candy F C Candy F C Candy F C Candy F C Candy F C Candy F C Candy F Candy	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Deplete Fhick Da Gandy N Gandy F Gandy F Stripper Dark Su Dark Su icators rictive I	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Deplete Fhick Da Gandy N Gandy F Gandy F Gandy F Gandy F Candy	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Deplete hick Da andy N Gandy F Gandy F Gandy F Oark Su Cators rictive I	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Deplete hick Da andy N Gandy F Gandy F Gandy F Oark Su Cators rictive I	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	urfac k Sur ssior	ce (F6) rface (F7) ns (F8)	e present		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (E bed or problem	rk Surface (S9) <b>(LRR K, L)</b> Inganese Masses (F12) <b>(LRR K, L, R)</b> nt Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
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Vegetation Photos



#### Soil Photos



Photo of Sample Plot



US Army Corps of Engineers





Project/Site: Excelsion		City/Col	unty:Byron, Genese	e		Sampling Date:	2019-June-03
Applicant/Owner: N	extEra			State: NY		Sampling Point: \	N-JJB-13; PEM-1
Investigator(s): Jake	Brillo, Nick De	John	Se	ction, Township, Ra	inge:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relie	ef (concave, convex	, none):	Concave	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR	-	Lat	: 43.0604506145	Long:	-78.0542838481	Datum: WGS84
Soil Map Unit Name:	Ontario loan	n, 8 to 15 percent slopes	5			NWI classific	ation: PUBFh
Are climatic/hydrologic	c conditions or	the site typical for this	time of year?	Yes No	∠ (If no,	explain in Remarl	<s.)< td=""></s.)<>
Are Vegetation,	Soil,	or Hydrology signi	ificantly disturbed?	Are "Normal (	Circums	tances" present?	Yes No 🟒
Are Vegetation 🟒,	Soil,	or Hydrology natu	rally problematic?	(If needed, ex	plain ar	y answers in Rema	arks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-13
Remarks: (Explain alternative procedures he	re or in a separate report	)	
TRC covertype is PEM. Circumstances are no	nt normal due to agricultu	ral activities, Wetter than average year	

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	ne is required; check all	<u>that apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl I Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living	g Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li> Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Image Sparsely Vegetated Concave Succession</li> </ul>	Recer Thin M agery (B7) Other	nce of Reduced Iron (C4) it Iron Reduction in Tilled S /uck Surface (C7) (Explain in Remarks)	Goils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	3	
Water Table Present?	Yes 🟒 No	Depth (inches):	6	Wetland Hydrology Present? Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	_
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring well, a	aerial photos, previous ins	pections), if	available:

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-13; PEM-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test work		1	(4)
				Are OBL, FACW, or FA	C:	I	(A)
·				Total Number of Dom	ninant Species	2	(D)
				Across All Strata:		Z	(B)
				Percent of Dominant	Species That	50	(A/B)
				Are OBL, FACW, or FA	C:		(,,,,,)
· · · · · · · · · · · · · · · · · · ·				Prevalence Index wor	ksheet:		
		· ·		Total % Cove	<u>er of:</u>	<u>Multiply</u>	<u>By:</u>
		= Total Cov	or	- OBL species	0	x 1 =	0
anling/Church Church und (Dist sizes 15 ft )	0		er	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	5	x 3 =	15
·		·		- FACU species	0	x 4 =	0
		·		UPL species	0	x 5 =	0
·		·		Column Totals	5	(A)	15 (B)
				Prevalence	Index = B/A =	3	
				Hydrophytic Vegetati			
				1- Rapid Test for		logotation	
•				2 - Dominance 1		egetation	
	0	= Total Cov	er	2 - Dominance in			
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )						(Drovido	cupportin
. Solidago sp.	20	Yes	NI	4 - Morphologic data in Remarks or o			supporting
2. Rumex crispus	5	Yes	FAC	Problematic Hyd	•		nlain)
3.				<sup>1</sup> Indicators of hydric s			
l				present, unless distu		-	gy must be
				Definitions of Vegetar		natic	
· · · · · · · · · · · · · · · · · · ·				Tree – Woody plants		moroin	diamotor
				breast height (DBH),			
				Sapling/shrub – Wood	•	-	)BH and
				greater than or equal			
				Herb – All herbaceou			ardless o
0		<u> </u>		size, and woody plan			Saraiess of
1				Woody vines – All wo			28 ft in
2		·		height.			
	25	= Total Cov	er	Hydrophytic Vegetat	ion Procont?		
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )					ion Present?	es r	
				.			
				.			
3							
ł				.			
	0	= Total Cov	er				
Remarks: (Include photo numbers here or on a sepa		= Total Cov	er				

Active agricultural field, Unable to identify species due to the absence of distinguishing characteristics. However, due to the presence of wetland hydrology, hydric soils, and the associated vegetative community, this species is assumed a OBL indicator status for the Dominance Test.

## Sampling Point: W-JJB-13; PEM-1

Depth	cription: (Describe t Matrix	otheu	Redox			inuicator			.015.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu	ure	Remarks
0 - 9	2.5Y 3/2	95	10YR 4/6	5	С	М	Silty Clay	/ Loam	
					<u> </u>	<u> </u>			
	Concentration, D = [	Depleti	on, RM = Reduced	l Mat	rix, MS =	Masked S	Sand Grains. <sup>2</sup> Lo		e Lining, M = Matrix.
•	Indicators:		Debaselus De						Problematic Hydric Soils <sup>3</sup> :
Histoso Histic F	r (A1) pipedon (A2)		Polyvalue Be Thin Dark Su						(A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						ie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye	-		(, _,			y Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma						ce (S7) <b>(LRR K, L)</b> Below Surface (S8) <b>(LRR K, L)</b>
_ Deplete	d Below Dark Surfa	ce (A11							Surface (S9) <b>(LRR K, L)</b>
_ Thick D	ark Surface (A12)		Depleted Da			)			anese Masses (F12) <b>(LRR K, L, R)</b>
_ Sandy M	/lucky Mineral (S1)		Redox Depre	essior	ns (F8)				Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)								lic (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	Redox (S5)							Red Parent	
	d Matrix (S6)								w Dark Surface (TF12)
Dark Su	irface (S7) <b>(LRR R, M</b>	ILRA 14	19B)					-	lain in Remarks)
ndicators	of hydrophytic vege	etation	and wetland hyd	rolog	y must b	e present	, unless disturbe	d or problematio	
estrictive	Layer (if observed):		-					-	
	Туре:		Rocks	_		Hydric S	Soil Present?		Yes 🟒 No
	Depth (inches):		9						
emarks:									

Hydrology Photos



Vegetation Photos



Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

Soil Photos



Photo of Sample Plot



US Army Corps of Engineers

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC



Project/Site: Excelsior		City/County:	Byron, Genesee	County		Sampling Date:	2019-May-29
Applicant/Owner: Nex	xtEra			State: Nev	v York	Sampling Point:	W-JDV-08; PEM-1
Investigator(s): Jeff Va	ndeveer, IBP	•	Sect	tion, Township,	Range:		
Landform (hillslope, terr	race, etc.):	Agricultural Field	Local relief	(concave, conv	ex, none):	Concave	Slope (%): 1-10
Subregion (LRR or MLRA	): LRR I	-	Lat:	43.0875948	Long:	-78.0966817	Datum: WGS84
Soil Map Unit Name:	Ovid silt loar	n, 0 to 3 percent slopes				NWI classifi	cation:
Are climatic/hydrologic o	conditions or	the site typical for this time o	of year?	Yes 🟒 No	(If no	o, explain in Rema	rks.)
Are Vegetation, S Are Vegetation, S		or Hydrology significantl or Hydrology naturally p	•			tances" present? ny answers in Rem	

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-08
Remarks: (Explain alternative procedures he	re or in a separate report	)	
TRC covertype is PEM. Circumstances are no	t normal due to agricultu	ral activities	

Wetland Hydrology Indicators:		- t h A		Conservations in disease (as in income a fit as a service d)
Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>	Recent Ir Thin Muc agery (B7) Other (Ex	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>		
Field Observations:				
Surface Water Present?	Yes No 🟒	Depth (inches):		
Water Table Present?	Yes 🟒 No	Depth (inches):	6	Wetland Hydrology Present? Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	1	-
(includes capillary fringe)				-
Describe Recorded Data (stream g	auge, monitoring well, aer	ial photos, previous inspectio	ons), if	available:
Remarks:				
A positive indication of wetland hyd	drology was observed (at l	least one primary indicator).		

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JDV-08; PEM-1

<u>Free Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		<b>Dominance Test worksheet:</b> Number of Dominant Species That		
		Species?	Status	Are OBL, FACW, or FAC:	2	(A)
2.				Total Number of Dominant Species	2	(B)
3				Across All Strata: Percent of Dominant Species That		
4				- Are OBL, FACW, or FAC:	100	(A/B)
5		<u> </u>		Prevalence Index worksheet:		
D				- <u>Total % Cover of:</u>	<u>Multiply</u>	By:
7				- OBL species 25	x 1 =	25
	0	= Total Cov	er	FACW species 5	x 2 =	10
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 10	x 3 =	30
l				FACU species 5	x 4 =	20
2				- UPL species 0	x 5 =	0
3				- Column Totals 45	(A)	85 (B)
				Prevalence Index = B/A =		00 (0)
		·		Hydrophytic Vegetation Indicators:		
		<u> </u>		1- Rapid Test for Hydrophytic	Vegetation	
7				2 - Dominance Test is >50%		
	0	= Total Cov	er	$\checkmark$ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )	25		0.01	4 - Morphological Adaptations	s¹ (Provide	supporting
. Typha angustifolia	25	Yes	OBL	- data in Remarks or on a separate s	heet)	
2. Taraxacum ceratophorum	10	Yes	FAC	Problematic Hydrophytic Veg	etation <sup>1</sup> (Ex	plain)
3. <u>Persicaria pensylvanica</u>	5	No	FACW	- <sup>1</sup> Indicators of hydric soil and wetla	nd hydrolog	gy must be
4. <i>Alliaria petiolata</i>	5	No	FACU	_ present, unless disturbed or proble	ematic	
5		<u> </u>		_ Definitions of Vegetation Strata:		
5				Tree – Woody plants 3 in. (7.6 cm) o		diameter a
7				breast height (DBH), regardless of l		
3				Sapling/shrub – Woody plants less		OBH and
)				greater than or equal to 3.28 ft (1 n		
10				Herb – All herbaceous (non-woody		gardless of
I1				size, and woody plants less than 3.		20.6
12				Woody vines – All woody vines grea	ater than 3.	28 π in
	45	= Total Cov	er	height.		
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes 🟒 N	lo
l.						
2.						
3.				-		
1.				-		
	0	= Total Cov	er	-		

## Sampling Point: W-JDV-08; PEM-1

	Calar (masiat)	0/			ures		Tauta	na Damadra
(inches) 0 - 5	Color (moist) 10YR 5/2	<u>%</u> 100	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu Silty Clay	
5 - 12	10YR 5/2	88	10YR 4/4	12	C		Silty Clay	
5-12	1018 371	00	1011 4/4	12			Silty Clay	
· .		·		—				
·				_				
·		·		_				
		·		—				·
·				_				
· 1	oncentration, D =	Depleti	on, RM = Reduced	Matr	ix, MS =	Masked Sand G	rains. ²Lo	cation: PL = Pore Lining, M = Matrix.
/dric Soil I _ Histosol	ndicators:		Polyvalue Be					Indicators for Problematic Hydric Soils <sup>3</sup> :
Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Sandy R Dark Sur	ipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surf irk Surface (A12) lucky Mineral (S1) leyed Matrix (S4) edox (S5) d Matrix (S6) rface (S7) <b>(LRR R, N</b>	ИLRA 14	Depleted Da Redox Depre 9B)	y Min d Ma trix (F Surfac rk Sur ession	eral (F1) trix (F2) (3) te (F6) face (F7) s (F8)	(LRR K, L)	s disturbed	<ul> <li>Coast Prairie Redox (A16) (LRR K, L, R)</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, L, R)</li> <li>Piedmont Floodplain Soils (F19) (MLRA 149I)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
idicators (			and wettand hyd	ology	/ must be	e present, unies	saisturbed	or problematic.
estrictive L	aver (if observed)					Hydric Soil Pre	sent?	
	. <b>ayer (if observed)</b> Type:	•	None			I IYUNC SON FIE	Jene.	Yes 🟒 No
	. <b>ayer (if observed)</b> Type: Depth (inches):		None					Yes No

Photo of Sample Plot





Project/Site: Excelsion		Cit	<b>y/County:</b> Byron, Ge	enesee			Sampling Date:	2019-May-30	
Applicant/Owner: N	lextEra				State: NY		Sampling Point:	W-JJB-05; UPL-2	
Investigator(s): Jake	Brillo, Rebecc	a Cosgrove		Secti	ion, Township, Ra	nge:			
Landform (hillslope, te	errace, etc.):	Agricultural Field	d Loca	l relief	(concave, convex,	, none):	Flat	Slope (%): 0-1	
Subregion (LRR or ML	RA): LRR	L		Lat:	43.0727394484	Long:	-78.0567182881	Datum: WGS84	ł
Soil Map Unit Name:	Canandaigu	a silt loam, 0 to 2 pe	ercent slopes				NWI classifi	cation:	
Are climatic/hydrologi	c conditions o	n the site typical for	r this time of year?		Yes 🟒 No 🔄	(lf n	o, explain in Rema	ırks.)	
Are Vegetation 🟒,	Soil,	or Hydrology	significantly disturb	ed?	Are "Normal (	Circums	tances" present?	Yes No 🟒	
Are Vegetation,	Soil,	or Hydrology	naturally problemat	ic?	(If needed, ex	plain ar	ny answers in Rem	arks.)	

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No 🟒					
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒			
Wetland Hydrology Present?	Yes No _	lf 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 agricultur	al activities				

Wetland Hydrology Indicators:			
Primary Indicators (minimum of or	ne is required; check all	<u>that apply)</u>	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl I Hydro	Stained Leaves (B9) cic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su	Recer Thin M agery (B7) Other	nce of Reduced Iron (C4) nt Iron Reduction in Tilled Soils (C6) Muck Surface (C7) · (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:			
Surface Water Present?	Yes No 🟒	Depth (inches):	
Water Table Present?	Yes No 🟒	Depth (inches):	- Wetland Hydrology Present? Yes №
Saturation Present?	Yes No 🟒	Depth (inches):	-
(includes capillary fringe)			-
Describe Recorded Data (stream g	auge, monitoring well,	aerial photos, previous inspections), if	available:

VEGETATION -- Use scientific names of plants.

Sampling Point: W-JJB-05; UPL-2

· · ·							
Tree Stratum (Plot size: <u>30 ft</u> )		Dominant		Dominance Test work			
	% Cover	Species?	Status	Number of Dominant Are OBL, FACW, or FA	•	0	(A)
1 2.		<u> </u>		Total Number of Dom			
3.				Across All Strata:		1	(B)
4.				Percent of Dominant	Species That	0	(A/B)
5.				Are OBL, FACW, or FA			(700)
6.				Prevalence Index wor			
7.				- <u>Total % Cove</u>		<u>Multiply</u>	
···	0	= Total Cove	er	- OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )		-		FACW species	0	x 2 =	0
1				FAC species	0	x 3 =	0
2.				- FACU species	10	x 4 =	40
3.				- UPL species	0	x 5 =	0
4.				- Column Totals	10	(A)	40 (B)
5.				- Prevalence	Index = B/A =	4	
6.				Hydrophytic Vegetatio			
7.				1- Rapid Test for		/egetatior	1
	0	= Total Cove	er	2 - Dominance T			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )		-		3 - Prevalence In			
1. Poa pratensis	10	Yes	FACU	4 - Morphologica - data in Remarks or or			supporting
2.				- Juata in Remarks of or			(nlain)
3.				- <sup>1</sup> Indicators of hydric s			-
4.				present, unless distur			gy must be
5.				Definitions of Vegetat			
6.				Tree – Woody plants 3		r more in	diameter at
7.				breast height (DBH), r			
8.				Sapling/shrub - Wood	ly plants less t	han 3 in. [	OBH and
9.				greater than or equal	to 3.28 ft (1 m	ı) tall.	
10.				Herb – All herbaceous			gardless of
11.				size, and woody plant			
12.				Woody vines – All woo	ody vines great	ter than 3	.28 ft in
	10	= Total Cove	er	height.			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )		_		Hydrophytic Vegetati	on Present?	Yes N	No 🖌
1							
2.							
3							
4							
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a s	eparate sheet.)						
	eparate sheed,						
Agriculture field							

nches) Color (moist)	%	Color (moist)	<u>%</u> Тур	e <sup>1</sup> Loc <sup>2</sup>	Texture	<u> </u>	Remarks
0 - 18 10YR 4/3					Clay Loai	m	
	:						
e: C = Concentration, D =	= Depleti	on, RM = Reduce	d Matrix, N	S = Maske	d Sand Grains. <sup>2</sup> Lo	ocation: PL = Pore L	ining, M = Matrix.
ric Soil Indicators:						Indicators for Pro	blematic Hydric Soils <sup>3</sup> :
listosol (A1) listic Epipedon (A2)		Polyvalue Be Thin Dark Su					0) (LRR K, L, MLRA 149B)
Black Histic (A3)		Loamy Muck					Redox (A16) <b>(LRR K, L, R)</b>
Hydrogen Sulfide (A4)		Loamy Gleye			_/	-	eat or Peat (S3) <b>(LRR K, L, R)</b>
Stratified Layers (A5)		Depleted Ma				Dark Surface (	57) (LRR K, L) ow Surface (S8) (LRR K, L)
Depleted Below Dark Sur	face (A1	1) Redox Dark	Surface (F6	5)		-	face (S9) <b>(LRR K, L)</b>
Thisle Daule Countras (A12)		Depleted Da	ark Surface	(F7)			se Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1		Redox Depre		)		0	
Sandy Mucky Mineral (S1				)		Piedmont Floo	odplain Soils (F19) <b>(MLRA 149B)</b>
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4)				)		Piedmont Floc Mesic Spodic (	odplain Soils (F19) <b>(MLRA 149B</b> ) TA6) <b>(MLRA 144A, 145, 149B)</b>
Thick Dark Surface (A12) Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)				)		Piedmont Floc Mesic Spodic ( Red Parent Ma	odplain Soils (F19) <b>(MLRA 149B</b> ) TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5)		Redox Depre		)		Piedmont Floc Mesic Spodic ( Red Parent Ma	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	MLRA 14	Redox Depro	essions (F8		nt, unless disturbe	Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve	MLRA 14	Redox Depro	essions (F8	st be prese	nt, unless disturbe c Soil Present?	Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12)
andy Mucky Mineral (S1 andy Gleyed Matrix (S4) andy Redox (S5) tripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve rictive Layer (if observed	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 andy Gleyed Matrix (S4) andy Redox (S5) tripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 andy Gleyed Matrix (S4) andy Redox (S5) tripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
andy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve rictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve trictive Layer (if observed Type:	MLRA 14	Redox Depro	essions (F8	st be prese		Piedmont Floc Mesic Spodic ( Red Parent Ma Very Shallow I Other (Explain d or problematic.	odplain Soils (F19) <b>(MLRA 149B</b> ) (TA6) <b>(MLRA 144A, 145, 149B)</b> aterial (F21) Dark Surface (TF12) i in Remarks)

Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Excelsior	City/County: E	lba, Genesee County		Sampling Date: 2	019-May-31
Applicant/Owner: NextEra		State:	New York	Sampling Point: W-	JDV-15; UPL-1
Investigator(s):	IBP	Section, Towns	hip, Range:		
Landform (hillslope, terrace, etc.):	Levee	Local relief (concave, o	convex, none):	Convex	Slope (%): 1-10
Subregion (LRR or MLRA):	RR L	Lat: 43.070313	33 Long:	-78.1135671	Datum: WGS84
Soil Map Unit Name: Wakeville	silt loam			NWI classificat	ion:
Are climatic/hydrologic conditions	s on the site typical for this time of	f year? Yes 🟒	_ No (If no	o, explain in Remarks	5.)
Are Vegetation, Soil,	or Hydrology significantly	/ disturbed? Are "N	ormal Circums	tances" present?	Yes 🟒 No
Are Vegetation, Soil,	or Hydrology naturally pr	oblematic? (If need	ded, explain ar	y answers in Remarl	<s.)< td=""></s.)<>

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No				
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒		
Wetland Hydrology Present?	Yes No	lf yes, optional Wetland Site ID:			
Remarks: (Explain alternative procedures here or in a separate report)					
TRC covertype is UPL. Area is upland, not all three wetland parameters are present.					

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations: Surface Water Present? Water Table Present? Saturation Present?	Yes No       Depth (inches):         Yes No       Depth (inches):         Yes No       Depth (inches):	_ 
(includes capillary fringe)	auge, monitoring well, aerial photos, previous inspections), if	available:
Remarks:		
No positive indication of wetland h	ydrology was observed.	

Sampling Point: W-JDV-15; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test works		1	(A)
. Fraxinus americana	20	Yes	FACU	Are OBL, FACW, or FAC	:		(~)
. Juglans nigra	20	Yes	FACU	Total Number of Domi Across All Strata:	nant Species	7	(B)
				Percent of Dominant S Are OBL, FACW, or FAC		14.3	(A/B)
		. <u> </u>		Prevalence Index work			
				Total % Cover		Multiply B	v.
·				OBL species	0	x 1 =	<b>.</b> 0
	40	= Total Cov	er	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	20	x 3 =	60
. Juglans nigra	15	Yes	FACU	FACU species			
. Ligustrum vulgare	10	Yes	FACU	-	107	x 4 =	428
. Rosa multiflora	10	Yes	FACU	UPL species	0	x 5 =	0
				Column Totals	127	· · · —	488 (B)
				Prevalence In	ndex = B/A =	3.8	
		<u> </u>		Hydrophytic Vegetation	n Indicators:		
				1- Rapid Test for I	- Hydrophytic V	/egetation	
				2 - Dominance Te	st is > 50%		
	35	= Total Cov	er	3 - Prevalence Inc	lex is $\leq 3.0^1$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological	Adaptations	์ (Provide รเ	upporting
. Urtica dioica	15	Yes	FAC	data in Remarks or on	a separate sh	neet)	
. Arctium minus	12	Yes	FACU	Problematic Hydr	ophytic Vege	tation <sup>1</sup> (Exp	lain)
. Hesperis matronalis	10	No	FACU	<sup>1</sup> Indicators of hydric so	il and wetlan	d hydrology	/ must be
. Tussilago farfara	10	No	FACU	present, unless disturb	ed or proble	matic	
. Agrimonia parviflora	5	No	FAC	Definitions of Vegetation	on Strata:		
				Tree – Woody plants 3		r more in di	ameter a
·				breast height (DBH), re			
				Sapling/shrub - Woody	-	-	3H and
				greater than or equal t			
				Herb – All herbaceous			ardless of
0				size, and woody plants	-		
1				Woody vines – All woo			8 ft in
2				height.	, 0		
	52	= Total Cov	er	Hydrophytic Vegetatic	n Brocont?	/oc No	
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )					in Fresent:		
<u> </u>		. <u> </u>					
3							
ł.							
	0	= Total Cov	rer				
Remarks: (Include photo numbers here or on a se	parate sheet.)			J			
No positive indication of hydrophytic vegetation v	vas observed (≥	50% of don	ninant specie	es indexed as FAC– or dr	ier).		

inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture					Remarks	
) - 12	10YR 5/3	100		· —		_	Silt Loam	ו					
				·									
				· —									
				· <u> </u>									
				· —		_							
				·									
	Concentration, D = I	Depletio	n, RM = Reduced	Matr	rix, MS =	Masked	Sand Grains. <sup>2</sup> L				-	M = Matrix. ic Hydric Soils³:	
Histosol			Polyvalue Bel	ow S	urface (S	8) (LRR F	, MLRA 149B)					R K, L, MLRA 149B)	
	pipedon (A2)		Thin Dark Su									A16) (LRR K, L, R)	
	istic (A3)		Loamy Mucky			(LRR K, L	)					Peat (S3) <b>(LRR K, L, R)</b>	)
	en Sulfide (A4)		Loamy Gleye					Dark Sur					
	d Layers (A5) d Below Dark Surfa		Depleted Mat					Polyvalue	e Bel	low	Surf	ace (S8) <b>(LRR K, L)</b>	
	d Below Dark Surfa ark Surface (A12)	•	Redox Dark S Depleted Dar		• •			Thin Dar	k Sur	rfac	e (SS	9) (LRR K, L)	
	Aucky Mineral (S1)		Redox Depre						-		Mas	ses (F12) <b>(LRR K, L, R</b> )	
	racity minicial (31)		Redux Depic	551011	5(10)								
	loved Matrix (SA)							Piedmon	t Flo	od	plain	Soils (F19) (MLRA 14	
Sandy G	Gleyed Matrix (S4)											Soils (F19) <b>(MLRA 14</b> <b>ILRA 144A, 145, 149</b> E	19B)
_ Sandy G _ Sandy R	Redox (S5)							Mesic Sp Red Pare	odic nt M	(TA late	∿6) <b>(№</b> erial (	<b>ILRA 144A, 145, 149E</b> (F21)	19B
_ Sandy G _ Sandy R _ Stripped	Redox (S5) d Matrix (S6)		ופג					Mesic Sp Red Pare Very Sha	odic nt M low	(TA late Da	6) <b>(N</b> erial ( rk Su	<b>/ILRA 144A, 145, 149E</b> (F21) ırface (TF12)	19B
Sandy G Sandy R Stripped	Redox (S5)	ILRA 149	9B)					Mesic Sp Red Pare	odic nt M low	(TA late Da	6) <b>(N</b> erial ( rk Su	<b>/ILRA 144A, 145, 149E</b> (F21) ırface (TF12)	19B)
_Sandy G _Sandy R _Stripped _Dark Su dicators	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg	etation a		ology	y must be	e presen	t, unless disturbe	Mesic Sp Red Pare Very Sha Other (E>	odic nt M low plai	(TA late Da	6) <b>(N</b> erial ( rk Su	<b>/ILRA 144A, 145, 149E</b> (F21) ırface (TF12)	19B)
Sandy G Sandy R Stripped Dark Su	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, N</b>	etation a		ology	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Stripped Dark Su dicators d strictive L	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg	etation a		ology	y must be	İ	t, unless disturbe Soil Present?	Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	6) <b>(N</b> erial ( rk Su	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Stripped Dark Su <u>licators</u> <b>trictive l</b>	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed):	etation a	and wetland hydr	ology	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su dicators strictive L	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	ology	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su dicators strictive L	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	<u>ology</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su licators trictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	<u>ology</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su licators trictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su licators trictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	olog	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su dicators trictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Stripped Dark Su dicators strictive L	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	rolog	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Stripped Dark Su dicators strictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	ology	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Stripped Dark Su dicators strictive L	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Strippec Dark Su dicators strictive L	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Stripped Dark Su dicators d trictive L narks:	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type:	etation a	and wetland hydr	olog	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Stripped Dark Su dicators d trictive L narks:	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type: Depth (inches):	etation a	and wetland hydr		y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Strippec Dark Su dicators strictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type: Depth (inches):	etation a	and wetland hydr	rology	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Strippec Dark Su dicators strictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type: Depth (inches):	etation a	and wetland hydr	ology	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Strippec Dark Su dicators strictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type: Depth (inches):	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B
Sandy G Sandy R Strippec Dark Su dicators strictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type: Depth (inches):	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B)
Sandy G Sandy R Strippec Dark Su dicators strictive I	Redox (S5) d Matrix (S6) Irface (S7) <b>(LRR R, M</b> of hydrophytic veg Layer (if observed): Type: Depth (inches):	etation a	and wetland hydr	<u>olog</u>	y must be	İ		Mesic Sp Red Pare Very Sha Other (Ex ed or problema	odic nt M low plain tic.	(TA late Da n ir	∿6) <b>(№</b> erial ( rk Su n Ren	<b>ILRA 144A, 145, 149E</b> (F21) ırface (TF12) narks)	19B

Photo of Sample Plot



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion		Cit	ty/County: Byron	, Genesee			Sampling Date:	2019-June-05
Applicant/Owner: N	extEra				State: NY		Sampling Point: \	W-JJB-17; UPL-1
Investigator(s): Jake	Brillo, Nick DeJ	ohn		Sect	ion, Township, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Hillslope	L	ocal relief	(concave, convex	, none):	Flat	Slope (%): 1-10
Subregion (LRR or MLR	RA): LRR L			Lat:	43.0631221366	Long:	-78.0986768381	Datum: WGS84
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 perce	ent slopes				NWI classific	ation:
Are climatic/hydrologic	conditions on	the site typical fo	r this time of year	r?	Yes No	🖊 (lf no	, explain in Remarl	ks.)
Are Vegetation,	Soil, o	or Hydrology	significantly dist	urbed?	Are "Normal (	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil, o	or Hydrology	naturally problem	matic?	(If needed, ex	plain ar	y answers in Rem	arks.)

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures	here or in a separate repo	ort)	
TRC covertype is UPL. Wetter than average	ae vear		
The covertype is of 2. Wetter than average	,e year		

#### HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JJB-17; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	1	(A)
1. Acer saccharum	60	Yes	FACU	Are OBL, FACW, or FAC:		(A)
. Carya ovata	25	Yes	FACU	Total Number of Dominant Species	4	(B)
. Carva cordiformis	18	No	FAC	Across All Strata:		(8)
. Ostrya virginiana	8	No	FACU	Percent of Dominant Species That	25	(A/B)
				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		_
				- <u>Total % Cover of:</u>	Multiply I	
	111	= Total Cov	er	- OBL species 0	x 1 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		•		FACW species 0	x 2 =	0
·				FAC species 33	x 3 =	99
				FACU species 106	x 4 =	424
				UPL species 0	x 5 =	0
				- Column Totals 139	(A)	523 (B)
				Prevalence Index = B/A =	3.8	
				Hydrophytic Vegetation Indicators:		
		·		1- Rapid Test for Hydrophytic	Vegetation	
		= Total Cov	or	2 - Dominance Test is > 50%		
l <u>erb Stratum (</u> Plot size: <u>5 ft</u> )	0		ei	$3$ - Prevalence Index is $\leq 3.0^{1}$		
. Carya cordiformis	15	Voc	EAC	4 - Morphological Adaptations	<sup>1</sup> (Provide s	supportin
		Yes	FAC	- data in Remarks or on a separate s	heet)	
. Fraxinus americana	8	Yes	FACU	Problematic Hydrophytic Vege		
. Maianthemum racemosum	5	No	FACU	Indicators of hydric soil and wetlar		gy must b
				present, unless disturbed or proble	ematic	
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) c		liameter a
·				breast height (DBH), regardless of h	-	
3				Sapling/shrub – Woody plants less		BH and
				greater than or equal to 3.28 ft (1 n		
0				Herb – All herbaceous (non-woody)		ardless o
1				size, and woody plants less than 3.2		20.6
2				Woody vines – All woody vines grea	iter than 3	28 ft in
	28	= Total Cov	er	height.		
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes N	0 _∕_
3.				-		
ł				-		
	0	= Total Cov	er	-		

Sampling Point: <u>W-JJB-17; UPL-1</u>

(inches)	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup> Textu	ıre	Remarks
0 - 10	10YR 3/1	100			Gravelly	Loam	
			n DM - Dadward				e M - Matrix
lydric Soil Inc		Jepietio	n, RW = Reduced	i Matrix, MS =	Masked Sand Grains. <sup>2</sup> Lo	ocation: PL = Pore Linir Indicators for Proble	*
Stratified L Depleted E Thick Dark Sandy Mud Sandy Gley Sandy Red Stripped N Dark Surfa	edon (A2) c (A3) Sulfide (A4) ayers (A5) Below Dark Surfa Surface (A12) cky Mineral (S1) ved Matrix (S4) ox (S5) latrix (S6) ce (S7) <b>(LRR R, M</b>	ace (A11 <u>)</u> 1 1LRA 149	Thin Dark Sur Loamy Mucky Depleted Mar Redox Dark S Depleted Dar Redox Depre	rface (S9) <b>(LR</b> y Mineral (F1) d Matrix (F2) trix (F3) Surface (F6) rk Surface (F7 essions (F8)	)	<ul> <li>Coast Prairie Red</li> <li>5 cm Mucky Peat</li> <li>Dark Surface (S7)</li> <li>Polyvalue Below 9</li> <li>Thin Dark Surface</li> <li>Iron-Manganese</li> <li>Piedmont Floodp</li> <li>Mesic Spodic (TAG</li> <li>Red Parent Mater</li> <li>Very Shallow Dar</li> <li>Other (Explain in</li> </ul>	or Peat (S3) (LRR K, L, R) (LRR K, L) Surface (S8) (LRR K, L) e (S9) (LRR K, L) Masses (F12) (LRR K, L, R) lain Soils (F19) (MLRA 149B) 5) (MLRA 144A, 145, 149B) ial (F21) < Surface (TF12)
	rer (if observed):		ind wetland hydr	rology must b	e present, unless disturbe	d or problematic.	
estrictive Lav			Gravel		Hydric Soil Present?	Yes _	No
Ty	pc.			_			
Ту	pc: pth (inches):		10				

Vegetation Photos



Soil Photos



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsior		City/Cour	nty: Byron, Genesee			Sampling Date:	2019-June-10
Applicant/Owner: N	extEra			State: NY		Sampling Point:	W-JJB-26; PEM-1
Investigator(s): Jake	Brillo, Isaac Pa	llant	Sect	ion, Township, Ra	inge:		
Landform (hillslope, ter	rrace, etc.):	Agricultural Field	Local relief	(concave, convex,	, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLR	A): LRR L		Lat:	43.0602941243	Long:	-78.0792673678	Datum: WGS84
Soil Map Unit Name:	Lakemont sil	ty clay loam			_	NWI classifi	cation: None
Are climatic/hydrologic	conditions or	the site typical for this ti	me of year?	Yes No _	∠ (If no,	explain in Remar	ks.)
Are Vegetation,	Soil,	or Hydrology signifi	cantly disturbed?	Are "Normal (	Circumst	tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology natura	ally problematic?	(If needed, ex	plain an	y answers in Rem	iarks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-26
Remarks: (Explain alternative procedures l	nere or in a separate repor	t)	
TRC covertype is PEM. Circumstances are i	not normal due to agricult	ural activities, Wetter than average year	

#### HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one	e is required; check all that	<u>t apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquatic Fa Aquatic Fa Marl Depo Hydrogen		g Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Image</li> <li>Sparsely Vegetated Concave Surf</li> </ul>	Recent Irc Thin Mucl gery (B7) Other (Exp	of Reduced Iron (C4) on Reduction in Tilled S k Surface (C7) plain in Remarks)	Goils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	2	
Water Table Present?	Yes 🟒 No	Depth (inches):	6	Wetland Hydrology Present?   Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	
(includes capillary fringe)				
Describe Recorded Data (stream gau	uge, monitoring well, aeria	al photos, previous ins	pections), if	available:

Sampling Point: W-JJB-26; PEM-1

<u>Free Stratum</u> (Plot size: <u>30 ft</u> )	Absolute	Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
				Total Number of Dominant Species		
-				Across All Strata:	2	(B)
		<u> </u>		Percent of Dominant Species That	100	( \ ( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
i.				Are OBL, FACW, or FAC:		(A/B)
· · ·				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	<u>Multiply B</u>	<u>y:</u>
·		- Total Cau		OBL species 90	x 1 =	90
	0	= Total Cov	er	FACW species 0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
·		·		FACU species 0	x 4 =	0
				UPL species 0	x 5 =	0
				Column Totals 90	(A)	90 (B)
				Prevalence Index = B/A =		,
·		<u> </u>		Hydrophytic Vegetation Indicators:		
·				1- Rapid Test for Hydrophytic		
				2 - Dominance Test is >50%	regetation.	
	0	= Total Cov	er	$\checkmark$ 3 - Prevalence Index is $\leq 3.0^{11}$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptation	s¹ (Provide s	upporting
. Ranunculus sceleratus	45	Yes	OBL	- data in Remarks or on a separate s		apportin
. Rorippa palustris	30	Yes	OBL	Problematic Hydrophytic Veg		olain)
8. Alisma subcordatum	15	No	OBL	<sup>1</sup> Indicators of hydric soil and wetla		
l				present, unless disturbed or probl		,
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm)	or more in di	iameter a
7.				breast height (DBH), regardless of		
				Sapling/shrub – Woody plants less	than 3 in. DI	3H and
				greater than or equal to 3.28 ft (1 r		
0.		·		Herb – All herbaceous (non-woody	) plants, rega	ardless of
1.				size, and woody plants less than 3.	28 ft tall.	
11		•		Woody vines – All woody vines gre	ater than 3.2	8 ft in
2	90	= Total Cov	er	height.		
<u>Noody Vine Stratum (Plot size:30 ft</u> )				Hydrophytic Vegetation Present?	Yes 🟒 No	)
···		·		-		
·				-		
		·		-		
1				-		
	0	= Total Cov	er			

### Sampling Point: W-JJB-26; PEM-1

e: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains.       2Location: PL = Pore Lining, M = Matrix.         itistosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 cm Muck (A10) (LRR K, L, MLRA 149B)         itistosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 cm Muck (A10) (LRR K, L, RL         judged Matrix (F2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       Coast Prairie Redox (A16) (LRR K, L, R)         judged Matrix (F2)       Depleted Matrix (F2)       Dark Surface (S3) (LRR K, L, R)         indy Mucky Mineral (F1)       Polyvalue Below Surface (F6)       Thin Dark Surface (A12)         andy Gleyed Matrix (F3)       Depleted Dark Surface (F7)       Thin Dark Surface (S3) (LRR K, L)         andy Gleyed Matrix (S4)       Redox Depressions (F8)       Pledmont Floodplain Solis (F12) (LRR K, L)         andy Redox (S5)       Red Parent Material (F21)       Very Shallow Dark Surface (TF12)         itripped Matrix (S6)       Red Parent Material (F21)       Very Shallow Dark Surface (TF12)         itripped Matrix (S6)       Red Parent Material (F21)       Other (Explain in Remarks)         cators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yers _/ No		Redox			150	Domorko
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ic Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         listosol (A1)       — Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         listic Epipedon (A2)       — Thin Dark Surface (S9) (LRR R, MLRA 149B)         liack Histic (A3)       — Loamy Mucky Mineral (F1) (LRR K, L)         lydrogen Sulfide (A4)       — Loamy Gleyed Matrix (F2)         tratified Layers (A5)       — Depleted Matrix (F3)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)         hick Dark Surface (A12)       — Depleted Dark Surface (F7)         andy Mucky Mineral (S1)       — Redox Depressions (F8)         andy Redox (S5)       — Peiedmont Floodplain Soils (F19) (MLRA 1449B)         tripped Matrix (S6)       — Piedmont Floodplain Soils (F12) (LRR K, L, P)         Dark Surface (S7) (LRR R, MLRA 149B)       — Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Cators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       — Other (Explain in Remarks)         cators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes _/ No         Type:       _ Clay hardpan       Hydric Soil Present?       Yes _/ No         Depth (inches):       8						
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Histic Epipedon (A2)	ric Soil Indicators:		·			*
listic Epipedon (A2)	Histosol (A1)				2 cm Muck (A10	) (LRR K. L. MLRA 149B)
hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      S Cff Mucky Peat of Peat (S3) (LRR K, L)         tratified Layers (A5)      Depleted Matrix (F3)      Dark Surface (S7) (LRR K, L)         Deepleted Below Dark Surface (A11) ✓ Redox Dark Surface (F6)      Thin Dark Surface (S9) (LRR K, L)         hick Dark Surface (A12)      Depleted Dark Surface (F7)      Iron-Manganese Masses (F12) (LRR K, L, R)         andy Mucky Mineral (S1)      Redox Depressions (F8)      Nesic Spodic (TA6) (MLRA 144A, 145, 149B)         iandy Gleyed Matrix (S6)	Histic Epipedon (A2)					
Tratified Layers (A5)				(LRR K, L)	5 cm Mucky Pea	t or Peat (S3) <b>(LRR K, L, R)</b>
Depleted Below Dark Surface (A11) Redox Dark Surface (F6)   hick Dark Surface (A12) Depleted Dark Surface (F7)   andy Mucky Mineral (S1) Redox Depressions (F8)   andy Gleyed Matrix (S4) Piedmont Floodplain Soils (F19) (MLRA 149B)   andy Redox (S5) Red Parent Material (F21)   tripped Matrix (S6) Very Shallow Dark Surface (TF12)   Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks)   cators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   rictive Layer (if observed):   Type:   Clay hardpan   Depth (inches):						
nick Dark Surface (A12)	-					
andy Mucky Mineral (S1)	Thick Dark Surface (A12)			)		
Analy Gleyed Matrix (S4)Mesic Spodic (TA6) (MLRA 144A, 145, 149B)   andy Redox (S5)Red Parent Material (F21)   tripped Matrix (S6)Very Shallow Dark Surface (TF12)   Dark Surface (S7) (LRR R, MLRA 149B)Other (Explain in Remarks)   cators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   rictive Layer (if observed):   Type:   Clay hardpan   Depth (inches):   Hydric Soil Present? Yes No		Redox Depr	essions (F8)			
Attripped Matrix (S6)						
Dark Surface (S7) (LRR R, MLRA 149B)						
cators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         rictive Layer (if observed):         Type:       Clay hardpan         Depth (inches):       8		RA 149B)			-	
rictive Layer (if observed): Type:Clay hardpanHydric Soil Present? YesNo Depth (inches):8						i Remarks)
Type:     Clay hardpan     Hydric Soil Present?     Yes _ / No       Depth (inches):     8		ation and wetland hyd	rology must b	e present, unless disturbe	d or problematic.	
Depth (inches): 8	-	Claybardpap		Hydric Soil Prosont?	Voc	
			-	Hydric Soli Present?	ies	<u>NO</u>
		0			·	
	narks:					

### Hydrology Photos



Photo of Sample Plot





# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsior		City/Cou	unty: Byron, Genesee	1		Sampling Date:	2019-June-10
Applicant/Owner: Ne	xtEra			State: NY		Sampling Point:	W-JJB-25; PEM-1
Investigator(s): Jake B	Brillo, Isaac Pal	lant	Sec	tion, Township, Ra	nge:		
Landform (hillslope, terr	race, etc.):	Agricultural Field	Local relief	(concave, convex,	none):	Concave	Slope (%): 0-1
Subregion (LRR or MLRA	A): LRR L		Lat:	43.0642218003	Long:	-78.0802245811	Datum: WGS84
Soil Map Unit Name:	Lakemont silt	y clay loam				NWI classific	cation: None
Are climatic/hydrologic of	conditions on	the site typical for this	time of year?	Yes No	∠ (lf no,	explain in Remar	ks.)
Are Vegetation, S	Soil, c	or Hydrology signi	ficantly disturbed?	Are "Normal (	Circums	tances" present?	Yes No 🟒
Are Vegetation, S	Soil, c	or Hydrology natu	rally problematic?	(If needed, ex	plain an	y answers in Rem	arks.)

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-25
Remarks: (Explain alternative procedures	here or in a separate repo	ort)	
TRC covertype is PEM. Circumstances are	not normal due to agricul	tural activities, Wetter than average year	

#### HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	ne is required; check a	<u>ll that apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aqua Marl Hydr	er-Stained Leaves (B9) atic Fauna (B13) I Deposits (B15) rogen Sulfide Odor (C1) lized Rhizospheres on Living	Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>		<ul> <li> Sturator Visible on Aerial Imagely (C9)</li> <li> Stunted or Stressed Plants (D1)</li> <li> Geomorphic Position (D2)</li> <li> Shallow Aquitard (D3)</li> <li> Microtopographic Relief (D4)</li> <li> FAC-Neutral Test (D5)</li> </ul>		
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	1	
Water Table Present?	Yes 🟒 No	Depth (inches):	2	Wetland Hydrology Present? Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	-
(includes capillary fringe)				-
Describe Recorded Data (stream g	auge, monitoring well,	, aerial photos, previous insp	pections), if	available:

Sampling Point: W-JJB-25; PEM-1

0	= Total Cov	er	Number of Dominant Sp         Are OBL, FACW, or FAC:         Total Number of Dominant Sp         Across All Strata:         Percent of Dominant Sp         Are OBL, FACW, or FAC:         Prevalence Index works         Total % Cover of         OBL species         FACW species         FACU species         FACU species         Column Totals         Prevalence In         Hydrophytic Vegetation        1 - Rapid Test for H        2 - Dominance Test	ant Species becies That beet: 58 22 0 0 0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%		By: 58 44 0 0 0 102 (B
0	= Total Cov	er	Total Number of Domin         Across All Strata:         Percent of Dominant Sp         Are OBL, FACW, or FAC:         Prevalence Index works         OBL species         FACW species         FACU species         FACU species         Column Totals         Prevalence In         Hydrophytic Vegetation        1 - Rapid Test for H        2 - Dominance Test	ant Species becies That beet: <u>58</u> 22 0 0 0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%	100 Multiply x 1 = x 2 = x 3 = x 4 = x 5 = (A) 1.3	(A/B <b>By:</b> 58 44 0 0 0 102 (B
0	= Total Cov	er	<ul> <li>Across All Strata:</li> <li>Percent of Dominant Sp Are OBL, FACW, or FAC:</li> <li>Prevalence Index works</li> <li>Total % Cover of OBL species</li> <li>FACW species</li> <li>FACU species</li> <li>FACU species</li> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li>1 - Rapid Test for H</li> <li>2 - Dominance Test</li> </ul>	becies That heet: 58 22 0 0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%	100 Multiply x 1 = x 2 = x 3 = x 4 = x 5 = (A) 1.3	(A/B <b>By:</b> 58 44 0 0 0 102 (B
0	= Total Cov	er	Are OBL, FACW, or FAC:         Prevalence Index works         OBL species         FACW species         FACU species         FACU species         OUL species         Column Totals         Prevalence In         Hydrophytic Vegetation         ✓       1- Rapid Test for H         ✓       2 - Dominance Test	heet: <u>58</u> <u>22</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>80</u> <u>dex = B/A =</u> <u>Indicators:</u> ydrophytic V t is >50%	Multiply x 1 = x 2 = x 3 = x 4 = x 5 = (A) 1.3	By: 58 44 0 0 0 102 (B
0	= Total Cov	er	Are OBL, FACW, or FAC:         Prevalence Index works         OBL species         FACW species         FACU species         FACU species         OUL species         Column Totals         Prevalence In         Hydrophytic Vegetation         ✓       1- Rapid Test for H         ✓       2 - Dominance Test	heet: <u>58</u> <u>22</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>80</u> <u>dex = B/A =</u> <u>Indicators:</u> ydrophytic V t is >50%	Multiply x 1 = x 2 = x 3 = x 4 = x 5 = (A) 1.3	By: 58 44 0 0 0 102 (E
0	= Total Cov	er	Total % Cover 4         OBL species         FACW species         FAC species         FACU species         UPL species         Column Totals         Prevalence In         Hydrophytic Vegetation        1 - Rapid Test for H        2 - Dominance Test	of: 58 22 0 0 0 80 dex = B/A = vdrophytic V t is >50%	x 1 = x 2 = x 3 = x 4 = x 5 = (A) 1.3	58 44 0 0 0 102 (E
0	= Total Cov	er	<ul> <li>OBL species</li> <li>FACW species</li> <li>FAC species</li> <li>FACU species</li> <li>UPL species</li> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li>1 - Rapid Test for H</li> <li>2 - Dominance Test</li> </ul>	58 22 0 0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%	x 1 = x 2 = x 3 = x 4 = x 5 = (A) 1.3	58 44 0 0 0 102 (E
0			<ul> <li>FACW species</li> <li>FAC species</li> <li>FACU species</li> <li>UPL species</li> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li>1 - Rapid Test for H</li> <li>2 - Dominance Test</li> </ul>	22 0 0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%	x 2 = x 3 = x 4 = x 5 = (A) <u>1.3</u>	44 0 0 102 (E
0			<ul> <li>FAC species</li> <li>FACU species</li> <li>UPL species</li> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li>1 - Rapid Test for H</li> <li>2 - Dominance Test</li> </ul>	0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%	x 3 = x 4 = x 5 = (A) <u>1.3</u>	0 0 102 (E
0	  = Total Cov		<ul> <li>FACU species</li> <li>UPL species</li> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li>1 - Rapid Test for H</li> <li>2 - Dominance Test</li> </ul>	0 0 80 dex = B/A = Indicators: ydrophytic V t is >50%	x 4 = x 5 = (A) <u>1.3</u>	0 0 102 (E
0	  = Total Cov		<ul> <li>UPL species</li> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li>1 - Rapid Test for H</li> <li>2 - Dominance Test</li> </ul>	0 80 dex = B/A = Indicators: ydrophytic V t is >50%	x 5 = (A) 1.3	0 102 (E
0	= Total Cov		<ul> <li>Column Totals</li> <li>Prevalence In</li> <li>Hydrophytic Vegetation</li> <li> 1- Rapid Test for H</li> <li> 2 - Dominance Test</li> </ul>	80 dex = B/A = Indicators: ydrophytic V t is >50%	(A) 1.3	102 (E
0	= Total Cov		Prevalence In     Prevalence In     Hydrophytic Vegetation     ✓ 1- Rapid Test for H     ✓ 2 - Dominance Test	dex = B/A = Indicators: ydrophytic V t is >50%	1.3	
0	= Total Cov		Hydrophytic Vegetation 1- Rapid Test for H 2 - Dominance Tes	dex = B/A = Indicators: ydrophytic V t is >50%	1.3	
0	= Total Cov	er	Hydrophytic Vegetation 1- Rapid Test for H 2 - Dominance Tes	<b>Indicators:</b> ydrophytic V t is >50%		<u>.</u>
0	= Total Cov	er	1- Rapid Test for H 2 - Dominance Tes	ydrophytic V t is >50%	egetatior/	ı
	-	er	2 - Dominance Tes	t is >50%	egetation	•
	-	er				
35				$-x is < 3.0^{1}$		
35			4 - Morphological		(Provide	supportir
	Yes	OBL	- data in Remarks or on a			Supportin
22	Yes	FACW	Problematic Hydro	•		kplain)
15	No	OBL				
8	No	OBL	-			0)
			Tree – Woody plants 3 in	n. (7.6 cm) or	r more in	diameter
			Sapling/shrub - Woody	plants less tl	han 3 in. l	DBH and
			greater than or equal to	3.28 ft (1 m	) tall.	
			Herb – All herbaceous (	non-woody)	plants, re	gardless o
			size, and woody plants	ess than 3.2	8 ft tall.	
			Woody vines – All wood	y vines great	ter than 3	.28 ft in
80	= Total Cov	er	height.			
	-		Hydrophytic Vegetatior	n Present?	/es 🟒 N	No
	·		-			
			-			
			-			
0	- Total Cov	or	-			
0		er				
	8	8 No 8 No 8 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No 9 No	8         No         OBL	8       No       OBL       present, unless disturbe	8       No       OBL       present, unless disturbed or problem	8       No       OBL       present, unless disturbed or problematic

Depth (inches)	Matrix	.o the u	•	Features		bsence of indicators.)
	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup> Texture	Remarks
0 - 16	10YR 3/2	90	10YR 4/4	10 C	PL Clay Loa	
	101110/2					····
		· — ·		· <u> </u>		
		·		· <u> </u>		
		·		·	·	
		· ·		·	<u> </u>	
		· — ·		·		
					·	
				·		
				·		
ype: C = Cc	ncentration, D = [	Depleti	on, RM = Reduce	d Matrix, MS =	Masked Sand Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix.
ydric Soil In	dicators:					Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (	A1)		Polyvalue Be	elow Surface (S	8) (LRR R, MLRA 149B)	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Epi	pedon (A2)		Thin Dark Su	urface (S9) <b>(LRR</b>	R, MLRA 149B)	Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>
Black Hist	tic (A3)		Loamy Mucl	ky Mineral (F1)	(LRR K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
_ Hydroger	n Sulfide (A4)		Loamy Gleye	ed Matrix (F2)		Dark Surface (S7) (LRR K, L)
	Layers (A5)		Depleted Ma			Polyvalue Below Surface (S8) (LRR K, L)
	Below Dark Surfa	ice (A11				Thin Dark Surface (S9) <b>(LRR K, L)</b>
	k Surface (A12)		Depleted Da			Iron-Manganese Masses (F12) (LRR K, L, R)
-	ucky Mineral (S1)		Redox Depr	essions (F8)		Piedmont Floodplain Soils (F19) (MLRA 149B)
-	eyed Matrix (S4)					Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy Re						Red Parent Material (F21)
	Matrix (S6)					Very Shallow Dark Surface (TF12)
_ Dark Surf	face (S7) <b>(LRR R, M</b>	ILRA 14	i9B)			Other (Explain in Remarks)
ndicators o	f hydrophytic vege	etation	and wetland hyd	Irology must be	e present, unless disturbe	ed or problematic.
	ayer (if observed):			0,		'
т	ype:		Hardpan		Hydric Soil Present?	Yes 🖌 No
1			16			
	Depth (inches):					
C	Depth (inches):					
C	Depth (inches):					
C	Depth (inches):					
C	Depth (inches):					
C	oepth (inches):					
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C	<u>epth (inches):</u>					

Hydrology Photos



Vegetation Photos



Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

Soil Photos



Photo of Sample Plot

# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsior	City/County: Byron, Genesee	Sampling Date: 2019-June-07
Applicant/Owner: NextEra	State: NY	Sampling Point: W-JJB-22; PEM-1
Investigator(s): Jake Brillo, Nick DeJohn	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depressio	n Local relief (concave, convex, none):	Flat Slope (%): 0-1
Subregion (LRR or MLRA): LRR L	Lat: 43.0791321164 Long:	-78.0762188696 Datum: WGS84
Soil Map Unit Name: Appleton silt loam, 0 to 3	percent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typi	cal for this time of year? Yes No _∠ (If no	, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circums	tances" present? Yes 🟒 No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain an	ny 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	Is the Sampled Area within a Wetland?	Yes 🟒 No _
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-JJB-22
Remarks: (Explain alternative procedures he	ere or in a separate report	c)	
TRC covertype is PEM. Wetter than average	year		

#### HYDROLOGY

<u>k all that apply)</u> ater-Stained Leaves (B9) quatic Fauna (B13) arl Deposits (B15) ydrogen Sulfide Odor (C1) xidized Rhizospheres on Living Roots (C	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) 3) Crayfish Burrows (C8)		
ater-Stained Leaves (B9) quatic Fauna (B13) arl Deposits (B15) ydrogen Sulfide Odor (C1)	Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) 3) Crayfish Burrows (C8)		
quatic Fauna (B13) arl Deposits (B15) ydrogen Sulfide Odor (C1)	<ul> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> </ul>		
	Saturation Visible on Aerial Imagery (C9)		
ecent Iron Reduction in Tilled Soils (C6) hin Muck Surface (C7)	Stunted or Stressed Plants (D1)     Geomorphic Position (D2)     Shallow Aquitard (D3)     Microtopographic Relief (D4)     FAC-Neutral Test (D5)		
Depth (inches):			
Depth (inches): 1	Wetland Hydrology Present? Yes _∠_ No		
Depth (inches): 0			
ell, aerial photos, previous inspections)	if available:		
t	Depth (inches): 1		

Sampling Point: W-JJB-22; PEM-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )	Absolute	Dominant	Indicator	Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
·				Total Number of Dominant Species		
				Across All Strata:	1	(B)
				Percent of Dominant Species That	400	
				Are OBL, FACW, or FAC:	100	(A/B)
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	Multiply B	<u>y:</u>
		Tatal Car		- OBL species 85	x 1 =	85
	0	= Total Cov	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 5	x 3 =	15
				- FACU species 0	x 4 =	0
<u> </u>				- UPL species 0	x 5 =	0
				- Column Totals 90	(A)	100 (B)
ł				Prevalence Index = B/A =		. ,
				Hydrophytic Vegetation Indicators:		
5				1- Rapid Test for Hydrophytic	Vegetation	
7				- 2 - Dominance Test is >50%	regetation	
	0	= Total Cov	er	$\checkmark$ 3 - Prevalence Index is $\leq 3.0^{1}$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptations	1 (Provide si	innortin
. Typha latifolia	85	Yes	OBL	- data in Remarks or on a separate s		ipporting
2. Solanum dulcamara	5	No	FAC	<ul> <li>Problematic Hydrophytic Vege</li> </ul>		lain)
3.				<ul> <li>Indicators of hydric soil and wetlar</li> </ul>		
4				present, unless disturbed or proble		masebt
5.				Definitions of Vegetation Strata:		
5.				Tree – Woody plants 3 in. (7.6 cm) c	r more in di	ameter a
				breast height (DBH), regardless of h		
7				Sapling/shrub – Woody plants less		3H and
				greater than or equal to 3.28 ft (1 n		
				Herb – All herbaceous (non-woody)		rdless of
10				size, and woody plants less than 3.2		
11				Woody vines – All woody vines grea		8 ft in
2	90	= Total Cov	~r	height.		
	90	- 10tal COV	er	Hydrophytic Vegetation Present?	Yes 🖌 No	
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )						
1				-		
2				-		
3				-		
4				-		
	0	= Total Cov	er			

### Sampling Point: W-JJB-22; PEM-1

	cription: (Describe t	o the o				indicato	r or confirm the a	bsence of indicato	ors.)
Depth	Matrix		Redo						
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Text	ure	Remarks
0 - 10	10YR 3/2	95	2.5YR 3/6	5	С	M/PL	Fibric Si	lt Loam	
				·					
				·					
<sup>1</sup> Type: C = C	Concentration, D = I	Deplet	ion, RM = Reduce	d Ma	itrix, MS =	Masked	Sand Grains. <sup>2</sup> L	ocation: PL = Pore	e Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue B	elow	Surface (	S8) <b>(LRR</b>	R, MLRA 149B)	2 cm Muck (	A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark S	urfac	e (S9) <b>(LR</b>	R R, MLR	A 149B)		e Redox (A16) <b>(LRR K, L, R)</b>
Black Hi	stic (A3)		Loamy Muc				L)		Peat or Peat (S3) <b>(LRR K, L, R)</b>
Hydroge	en Sulfide (A4)		Loamy Gley	ed M	atrix (F2)			Dark Surface	
	d Layers (A5)		Depleted M						elow Surface (S8) <b>(LRR K, L)</b>
	d Below Dark Surfa	ce (A1							urface (S9) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da			7)			nese Masses (F12) <b>(LRR K, L, R)</b>
Sandy N	lucky Mineral (S1)		Redox Depr	essic	ons (F8)				oodplain Soils (F19) <b>(MLRA 149B)</b>
Sandy G	ileyed Matrix (S4)								c (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy R	edox (S5)							Red Parent I	
Stripped	d Matrix (S6)								v Dark Surface (TF12)
Dark Su	rface (S7) <b>(LRR R, M</b>	ILRA 14	49B)					Other (Expla	
3Indicators	of by dropby ticy or	ototior	and wotland by	Irolo	av must k		t uplace disturbe		
	of hydrophytic veg .ayer (if observed):	etatior	i and wettand hyd		gy must t	be preser	it, unless disturbe	ed of problematic.	
	Type:		Rocks/gravely			Hydric 9	Soil Present?		Yes 🖌 No
						inyune.	Son Fresent:		
-	Depth (inches):		10						·
Remarks:									

# Hydrology Photos



Vegetation Photos



#### Soil Photos



Photo of Sample Plot



US Army Corps of Engineers





# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion			City/County: Byron, C	Genesee			Sampling Date:	2019-June-03
Applicant/Owner: N	extEra				State: NY		Sampling Point:	W-JJB-11; PSS-1
Investigator(s): Jake	Brillo, Nick De	John		Sec	tion, Township, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Depression	Loc	al relief	(concave, convex,	, none):	Concave	Slope (%): 2-5
Subregion (LRR or MLF	RA): LRR	-		Lat:	43.0740287528	Long:	-78.0688717124	Datum: WGS84
Soil Map Unit Name:	Wayland silt	loam					NWI classific	cation: PSS1/EM1C
Are climatic/hydrologic	c conditions or	the site typical	for this time of year?		Yes No	∠ (If no,	, explain in Remar	ks.)
Are Vegetation, Are Vegetation,		, , ,	significantly distur naturally problema				tances" present? ly answers in Rem	

### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-11					
Remarks: (Explain alternative procedures he	ere or in a separate repor	t)						
TRC covertype is PSS. Wetter than average year								

#### HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	e is required; check	<u>all that apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li> Surface Water (A1)</li> <li> High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li> Water Marks (B1)</li> <li> Sediment Deposits (B2)</li> </ul>	Aq Ma Hy	ater-Stained Leaves (B9) Juatic Fauna (B13) arl Deposits (B15) rdrogen Sulfide Odor (C1) Lidized Rhizospheres on Living l	Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Su</li> </ul>	Re Thi agery (B7) Oth	esence of Reduced Iron (C4) cent Iron Reduction in Tilled So in Muck Surface (C7) her (Explain in Remarks)	oils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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):	0	-
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring we	ell, aerial photos, previous insp	ections), if	available:

Sampling Point: W-JJB-11; PSS-1

			Status	Number of Dominant Spec	les mat	3	(A)
				Are OBL, FACW, or FAC:	-		
				Total Number of Dominant	Species	3	(B)
				Across All Strata:			
				Percent of Dominant Specie	es That	100	(A/B)
				Are OBL, FACW, or FAC:	-		
				Prevalence Index workshee			_
				Total % Cover of:		Multiply I	-
	0	= Total Cover		OBL species	0	x 1 =	0
pling/Shrub Stratum (Plot size: <u>15 ft</u>		<u>.</u>			106	x 2 =	212
Cornus racemosa	30	Yes	FAC	· · · · · · · · · · · · · · · · · · ·	30	x 3 =	90
Salix bebbiana	15	Yes	FACW	· · · · · · · · · · · · · · · · · · ·	10	x 4 =	40
	5			UPL species	0	x 5 =	0
Rosa multiflora		No	FACU	Column Totals	146	(A)	342 (B)
				Prevalence Index	( = B/A =	2.3	
				Hydrophytic Vegetation Inc	licators:		·
				1- Rapid Test for Hydr		egetation	
				2 - Dominance Test is			
	50	= Total Cover		✓ 3 - Prevalence Index is			
erb Stratum (Plot size: <u>5 ft</u> )				4 - Morphological Ada		(Provide s	upporting
Solidago gigantea	3	Yes	FACW	data in Remarks or on a se	-		apporting
		Percent cover		Problematic Hydroph	•		olain)
Lysimachia nummularia	40	cannot be greater	FACW	<sup>1</sup> Indicators of hydric soil an			
Lysiniachia hummulana	40	than a previous	FACIN	present, unless disturbed of			y musc be
		species		Definitions of Vegetation St		latic	
		Percent cover		Tree – Woody plants 3 in. (7		moroin	iamator a
Anemone canadensis	45	cannot be greater	FACW	breast height (DBH), regard			lameter a
Anemone canadensis	45	than a previous	TACI			•	PU and
		species		Sapling/shrub – Woody pla greater than or equal to 3.2			DH anu
Verbena hastata	3	No	FACW	Herb – All herbaceous (non			ardless of
		Percent cover		size, and woody plants less			ai uless oi
Dactylis glomerata	5	cannot be greater	FACU	Woody vines – All woody vi			08 ft in
Duciyiis giornerata	5	than a previous	inco	height.	nes greate		201111
		species		-			
				Hydrophytic Vegetation Pr	resent? Ye	es 🟒 N	0
·· <u> </u>							
·							
• <u> </u>	06	= Total Cover					
	90						
oody Vine Stratum (Plot size: <u>30 ft</u> )							
	0	= Total Cover					

Depth (inches)	Matrix		depth needed to Redo	x Feat	ures				
incres	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu	re	Remarks
0 - 12	10YR 3/1	96	7.5YR 4/6	4	C	M/PL	Silt Loa	am	
12 - 16	10YR 5/2	65	7.5YR 4/6	15	С	M	Silty Clay	Loam	
12 - 16			10YR 3/1	20	D	M			
				·		·			
				·		<u> </u>			
<u> </u>				·				<u> </u>	
					·			<u> </u>	
	oncentration, D =	Deplet	tion, RM = Reduce	ed Ma	trix, MS =	= Masked Sand			· · · · · · · · · · · · · · · · · · ·
	ndicators:							Indicators for Pro	blematic Hydric Soils <sup>3</sup> :
Histosol			,		-	S8) <b>(LRR R, ML</b>	-	2 cm Muck (A	10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2)		Thin Dark S				B)	Coast Prairie	Redox (A16) <b>(LRR K, L, R)</b>
Black Hi			Loamy Muo	-				5 cm Mucky P	eat or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gley					Dark Surface	(S7) <b>(LRR K, L)</b>
	d Layers (A5) d Below Dark Surf	200 (11	Depleted №					Polyvalue Bel	ow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)	ace (A	Depleted D			7)			face (S9) <b>(LRR K, L)</b>
	lucky Mineral (S1)		Redox Dep					Iron-Mangane	ese Masses (F12) <b>(LRR K, L, R)</b>
-	ileyed Matrix (S4)			103510	115 (10)			Piedmont Flo	odplain Soils (F19) <b>(MLRA 149B)</b>
-	edox (S5)							Mesic Spodic	(TA6) <b>(MLRA 144A, 145, 149B)</b>
-	d Matrix (S6)							Red Parent M	
	rface (S7) <b>(LRR R, N</b>	<i>I</i> I D A 1	10B)						Dark Surface (TF12)
			450)					Other (Explain	n in Remarks)
dicators	of hydrophytic veg	getatio	n and wetland hy	drolog	gy must k	pe present, un	less disturbed	or problematic.	
strictive L	ayer (if observed)								
	Туре:		None			Hydric Soil P	resent?	Ye	es 🟒 No
	Depth (inches):			-					
								,	
marks:									
marks:									
marks:									
marks:									
marks:									
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Vegetation Photos



Soil Photos

Photo of Sample Plot



## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Excelsion		City/C	County: Elba, Genes	ee		Sampling Date:	2019-June-06
Applicant/Owner: N	extEra			State: NY		Sampling Point:	W-JJB-20; UPL-2
Investigator(s): Jake	Brillo, Nick De	John		Section, Township, R	ange:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local re	elief (concave, conve	k, none):	Flat	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR	२	I	Lat: 43.0466058059	Long:	-78.1096425467	Datum: WGS84
Soil Map Unit Name:	Cazenovia si	lt loam, 3 to 8 percent	t slopes			NWI classifi	cation:
Are climatic/hydrologic	conditions o	n the site typical for th	is time of year?	Yes No _	🖌 (lf no	, explain in Remar	ˈks.)
Are Vegetation 🟒,	Soil 🟒,	or Hydrology sig	gnificantly disturbed	? Are "Normal	Circums	tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology na	turally problematic?	(If needed, e	xplain ar	y answers in Rem	iarks.)

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

#### HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one	e is required; check all t	hat apply)	Secondary Indicators (minimum of t	wo required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Aquatio Marl Do Hydrog	Stained Leaves (B9) : Fauna (B13) eposits (B15) ;en Sulfide Odor (C1) ed Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Image</li> </ul>	ery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sur	Recent Thin M gery (B7) Other (	ce of Reduced Iron (C4) Iron Reduction in Tilled Soils (C6) uck Surface (C7) Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>	
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)				
Describe Recorded Data (stream ga	uge, monitoring well, a	erial photos, previous inspections), if a	available:	
Remarks:				
Soils saturation's from recent rain				

Sampling Point: W-JJB-20; UPL-2

	Are OBL, FACW, or F/ Total Number of Dor Across All Strata: Percent of Dominani Are OBL, FACW, or F/ Prevalence Index wo <u>Total % Cov</u> OBL species	ninant Species t Species That AC: <b>rksheet:</b>	0 0 Multiply	(A) (B) (A/B)
_	 <ul> <li>Across All Strata:</li> <li>Percent of Dominant</li> <li>Are OBL, FACW, or F/</li> <li>Prevalence Index wo</li> <li>Total % Cov</li> </ul>	t Species That AC: rksheet:		(A/B)
_	 Percent of Dominant     Are OBL, FACW, or F/     Prevalence Index wo <u>Total % Cov</u>	AC: rksheet:		(A/B)
_	<ul> <li>Are OBL, FACW, or FACW, or FACW</li> <li>Prevalence Index wo</li> <li>Total % Cov</li> </ul>	AC: rksheet:	Multiply	
_	<ul> <li>Prevalence Index wo</li> <li><u>Total % Cov</u></li> </ul>	rksheet:	Multiply	
_	— <u>Total % Cov</u>		Multiply	
_		<u>er of:</u>	Multiply	
_	<ul> <li>OBL species</li> </ul>		watchi	<u>By:</u>
_		0	x 1 =	0
	FACW species	0	x 2 =	0
	FAC species	0	x 3 =	0
	<ul> <li>FACU species</li> </ul>	0	x 4 =	0
	<ul> <li>UPL species</li> </ul>	0	x 5 =	0
	- Column Totals	0	(A)	0 (B)
	- Prevalence	e Index = B/A =		
			egetation	
			egetation	
= Total Cover				
			(Provide)	supporting
				supporting
				nlain)
		1 3 0	-	
				sy must be
	·		nuce	
	-		morein	liamotor at
				liameter at
				)BH and
				birana
				ardless of
				28 ft in
	-	, , , , , , , , , , , , , , , , , , , ,		
= Total Cover		tion Present?		
		don Fresent:	ies iv	IU _ <b>v</b> _
	_			
	_			
= Total Cover				
	 	Hydrophytic Vegetat         -       1- Rapid Test for         -       2 - Dominance         -       3 - Prevalence I         -       4 - Morphologie         data in Remarks or composition       Problematic Hy         Indicators of hydric       Present, unless distu         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       -         -       - <td>= Total Cover      2 - Dominance Test is &gt; 50%        3 - Prevalence Index is ≤ 3.01      4 - Morphological Adaptations1        4 - Morphological Adaptations1       data in Remarks or on a separate sh        7 - Problematic Hydrophytic Veger       1Indicators of hydric soil and wetland        7 - Problematic Hydrophytic Veger       1Indicators of hydric soil and wetland        7 - Problematic Hydrophytic Veger       1Indicators of Vegetation Strata:        7 - Problematic (DBH), regardless of h       Definitions of Vegetation Strata:        7 - Problematic (DBH), regardless of h       Sapling/shrub - Woody plants less thin greater than or equal to 3.28 ft (1 m        7 - Problematic Cover      </td> <td>Hydrophytic Vegetation Indicators:        </td>	= Total Cover      2 - Dominance Test is > 50%        3 - Prevalence Index is ≤ 3.01      4 - Morphological Adaptations1        4 - Morphological Adaptations1       data in Remarks or on a separate sh        7 - Problematic Hydrophytic Veger       1Indicators of hydric soil and wetland        7 - Problematic Hydrophytic Veger       1Indicators of hydric soil and wetland        7 - Problematic Hydrophytic Veger       1Indicators of Vegetation Strata:        7 - Problematic (DBH), regardless of h       Definitions of Vegetation Strata:        7 - Problematic (DBH), regardless of h       Sapling/shrub - Woody plants less thin greater than or equal to 3.28 ft (1 m        7 - Problematic Cover	Hydrophytic Vegetation Indicators:

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 12	10YR 4/4	100		· —			Loam		
		<u> </u>		·					
		<u> </u>		· —		·			
				·					
		<u> </u>		· —		·			
				·					
				·					
oe: C = C	oncentration. D = I	Depletio	n. RM = Reduced	. <u> </u>	rix. MS =	Masked	Sand Grains. <sup>2</sup>	Location: PL =	Pore Lining, M = Matrix.
	Indicators:		<u>.,</u>		,				or Problematic Hydric Soils <sup>3</sup> :
Histosol Histic Ep Black Hi	pipedon (A2)		Polyvalue Bel Thin Dark Sur Loamy Mucky	rface	(S9) (LRR	R, MLRA	149B)	Coast Pi	uck (A10) <b>(LRR K, L, MLRA 149B)</b> rairie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4) d Layers (A5)		Loamy Gleyed	d Ma	trix (F2)			Dark Su	ucky Peat or Peat (S3) <b>(LRR K, L, R)</b> rface (S7) <b>(LRR K, L)</b>
	d Below Dark Surfa							-	e Below Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted Dar	<sup>.</sup> k Sui	rface (F7)				rk Surface (S9) <b>(LRR K, L)</b> nganese Masses (F12) <b>(LRR K, L, R)</b>
	A 1 A41 1/CAN								Ingaliese Masses (F12) (LKK K, L, K)
-	lucky Mineral (S1)		Redox Depre	ssior	IS (F8)			Piedmo	nt Floodplain Soils (F19) <b>(MI RA 149B)</b>
-	lucky Mineral (S1) ileyed Matrix (S4)		Redox Depre	ssior	15 (F8)				nt Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_ Sandy G	-		Redox Depre	ssior	IS (F8)			Mesic S	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_ Sandy G _ Sandy R	ileyed Matrix (S4)		Redox Depre	ssior	IS (F8)			Mesic S Red Par	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21)
Sandy G Sandy R Stripped	ileyed Matrix (S4) edox (S5)			ssior	15 (F8)			Mesic S Red Par Very Sha	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy G Sandy R Stripped Dark Su dicators d	ileyed Matrix (S4) iedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg	ILRA 149	9B)			e presen	t, unless disturb	Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) ixplain in Remarks)
Sandy G Sandy R Stripped Dark Su dicators d strictive L	ileyed Matrix (S4) ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg <b>.ayer (if observed):</b>	ILRA 149	<b>9B)</b> and wetland hydr			ľ		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) ixplain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su <u>licators</u> <b>trictive L</b>	ileyed Matrix (S4) ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type:	ILRA 149	<b>9B)</b> and wetland hydr Rocks			ľ	t, unless disturb Soil Present?	Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) ixplain in Remarks)
Sandy G Sandy R Stripped Dark Su dicators d trictive L	ileyed Matrix (S4) ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg <b>.ayer (if observed):</b>	ILRA 149	<b>9B)</b> and wetland hydr			ľ		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su licators d trictive L	ileyed Matrix (S4) ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type:	ILRA 149	<b>9B)</b> and wetland hydr Rocks			ľ		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su dicators d t <b>rictive L</b>	ileyed Matrix (S4) ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type:	ILRA 149	<b>9B)</b> and wetland hydr Rocks			ľ		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su licators ( trictive L narks:	ileyed Matrix (S4) iedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type: Depth (inches):	ILRA 149	<b>9B)</b> and wetland hydr Rocks			ľ		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su dicators d t <b>rictive L</b>	ileyed Matrix (S4) iedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type: Depth (inches):	ILRA 149	<b>9B)</b> and wetland hydr Rocks			1		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su licators ( trictive L narks:	ileyed Matrix (S4) iedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type: Depth (inches):	ILRA 149	<b>9B)</b> and wetland hydr Rocks			1		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.
Sandy G Sandy R Strippec Dark Su licators ( trictive L narks:	ileyed Matrix (S4) iedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege <b>.ayer (if observed):</b> Type: Depth (inches):	ILRA 149	<b>9B)</b> and wetland hydr Rocks			1		Mesic S Red Par Very Sha Other (E	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b> ent Material (F21) allow Dark Surface (TF12) Explain in Remarks) atic.

Vegetation Photos



Soil Photos





Project/Site: Excelsior	City/County: By		Sampling Date: 2019-June-07					
Applicant/Owner: NextEra		Stat	e: NY	Sampling Point:	W-JJB-22; UPL-1			
Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range:								
Landform (hillslope, terrace, etc.):	Agricultural Field	Local relief (concav	e, convex, nor	ne): Flat	Slope (%): 1-10			
Subregion (LRR or MLRA):	L	Lat: 43.079	206422 Lo	ng: -78.0762808957	Datum: WGS84			
Soil Map Unit Name: _ Appleton sil	t loam, 0 to 3 percent slopes			NWI classifi	cation:			
Are climatic/hydrologic conditions o	n the site typical for this time of y	year? Yes _	No 🟒 (If	no, explain in Remar	ks.)			
Are Vegetation, Soil,	or Hydrology significantly of	disturbed? Are	"Normal Circu	imstances" present?	Yes No 🟒			
Are Vegetation, Soil,	or Hydrology naturally pro	blematic? (If n	eeded, explair	n any answers in Rem	arks.)			

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No 🟒							
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒					
Wetland Hydrology Present?	Yes 🟒 No	lf yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures her	e or in a separate report	)						
TRC covertype is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities,								
Wetter than average year								

Primary Indicators (minimum of one is required; check all that apply)       Secondary Indicators (minimum of two required)			Wetland Hydrology Indicators:				
		<ul> <li></li></ul>	Primary Indicators (minimum o	f one is required; check all	<u>that apply)</u>		Secondary Indicators (minimum of two required)
Field Observations:   Surface Water Present?   Yes No   Depth (inches):   Water Table Present?   Yes No   Saturation Present?   Yes No   Depth (inches):   2   (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Field Observations:   Surface Water Present?   Yes No   Depth (inches):   Water Table Present?   Yes No   Depth (inches):   Saturation Present?   Yes No   Depth (inches):   2   (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Field Observations:   Surface Water Present?   Yes No   Depth (inches):   Water Table Present?   Yes No   Depth (inches):   Saturation Present?   Yes No   Depth (inches):   2   (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	<ul> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial</li> </ul>	Aquat Marl E Hydro Oxidiz Preser Recen Thin M Imagery (B7) Other	ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Livin nce of Reduced Iron (C4) t Iron Reduction in Tilled Muck Surface (C7)		<ul> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> </ul>
Surface Water Present? Yes No _ Depth (inches):   Water Table Present? Yes No _ Depth (inches):   Saturation 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 available:	Surface Water Present? Yes No _ Depth (inches):   Water Table Present? Yes No _ Depth (inches):   Saturation Present? Yes _ No Depth (inches):   Saturation Present? Yes _ No Depth (inches):   (includes capillary fringe) Depth (inches), previous inspections), if available:	Surface Water Present? Yes No _ Depth (inches):   Water Table Present? Yes No _ Depth (inches):   Saturation Present? Yes _ No Depth (inches):   Saturation Present? Yes _ No Depth (inches):   (includes capillary fringe) Depth (inches), previous inspections), if available:		Surface (B8)			FAC-Neutral Test (D5)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Present? Water Table Present?	Yes No 🟒	Depth (inches):	2	_ Wetland Hydrology Present? Yes _∠_ No
			(includes capillary fringe)				-
				n gauge, monitoring well, a	aerial photos, previous in	spections), if	available:

Sampling Point: W-JJB-22; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant		Dominance Test works			
1	% Cover	· · · ·	Status	Number of Dominant Are OBL, FACW, or FAC		0	(A)
2				Total Number of Dom Across All Strata:	inant Species	1	(B)
3				Percent of Dominant S	Species That		
4				Are OBL, FACW, or FAC		0	(A/B)
5				Prevalence Index worl	sheet:		
5				Total % Cove	r of:	<b>Multiply</b>	<u>By:</u>
7				OBL species	0	x 1 =	0
	=	Total Cove	r	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x 3 =	0
l				FACU species	85	x 4 =	340
2				UPL species	0	x 5 =	0
3				Column Totals	85	(A)	340 (B)
4				Prevalence I	ndex = B/A =		. ,
5				Hydrophytic Vegetatio			
5				1- Rapid Test for		legetation	
7				2 - Dominance Te		egetation	
	=	Total Cove	r	3 - Prevalence In			
Herb Stratum (Plot size: <u>5 ft</u> )				4 - Morphologica		Provide	supporting
1. <i>Poa pratensis</i>	85	Yes	FACU	data in Remarks or on	•		supporting
2				Problematic Hyd			plain)
3				<sup>1</sup> Indicators of hydric se			
4				present, unless distur			Sy mast by
5				Definitions of Vegetati			
6				Tree – Woody plants 3		r more in o	liameter a
7				breast height (DBH), re			
8	· ·			Sapling/shrub - Wood			OBH and
				greater than or equal			
				Herb – All herbaceous			gardless of
10				size, and woody plants			
11				Woody vines – All woo	dy vines grea	ter than 3.	28 ft in
12		Total Cove	r	height.			
Woody Vine Stratum (Plot size: <u>30 ft</u> )		- Total Cove	ſ	Hydrophytic Vegetation	on Present?	/es N	lo 🖌
				J			
				-			
1.				-			
1							
1 2 3							
1.		Total Cove					

_	Matrix		Redox				or confirm the al		,			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture					Remarks
0 - 12	10YR 3/2	100					Silt Loam	ı <u> </u>				
		. <u> </u>				<u> </u>						
		·										
		·										
		·				<u> </u>						
		·			<u> </u>							
<u> </u>		·						<u> </u>				
<u> </u>		·				<u> </u>						
<u> </u>		·						<u> </u>				
					<u> </u>							
	Concentration, D = I	Depletic	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> Lo	ocation: PL = Po		-	-	
Histosol	Indicators:				urfaco (S							c Hydric Soils <sup>3</sup> :
_	oipedon (A2)		Polyvalue Be Thin Dark Su									K, L, MLRA 149B)
Black Hi			Loamy Muck									A16) (LRR K, L, R)
_	en Sulfide (A4)		Loamy Gleye	-				5 cm Muci	-			eat (S3) <b>(LRR K, L, R)</b>
Stratifie	d Layers (A5)		Depleted Ma									ace (S8) <b>(LRR K, L)</b>
	d Below Dark Surfa	ace (A11						Thin Dark				
-	ark Surface (A12)		Depleted Dar									ses (F12) <b>(LRR K, L, R)</b>
	1ucky Mineral (S1)		Redox Depre	ssior	ıs (F8)			-				Soils (F19) (MLRA 149B)
-	ileyed Matrix (S4)											ILRA 144A, 145, 149B)
Sandv R	edox (S5)							Red Paren	Mat	eria	al (	F21)
-								Very Shall		ırk	Su	rface (TF12)
_ Stripped	d Matrix (S6)		וחר					very shand				
_ Stripped	d Matrix (S6) rface (S7) <b>(LRR R, M</b>	1LRA 149	9B)					Other (Exp				narks)
_ Strippec _ Dark Su				rolog	y must be	e present	, unless disturbe	Other (Exp	lain ii			narks)
_ Stripped _ Dark Su	rface (S7) <b>(LRR R, N</b>	etation		rolog	y must be	e present	, unless disturbe	Other (Exp	lain ii			narks)
_ Stripped _ Dark Sundicators of estrictive L	rface (S7) <b>(LRR R, M</b> of hydrophytic veg	etation		rolog	y must be		:, unless disturbe Soil Present?	Other (Exp	lain ii c.	n R	em	
_ Stripped _ Dark Sundicators of estrictive L	rface (S7) <b>(LRR R, M</b> of hydrophytic veg <b>.ayer (if observed):</b>	etation	and wetland hydr	rolog	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>rolog</u>	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	rolog	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>-</u>	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>-</u>	y must bo			Other (Exp ed or problemation	lain ii c.	n R	em	
Stripped Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	rolog	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
Stripped Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	rolog	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
Stripped Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	- -	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	- -	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>-</u>	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Strippec _ Dark Su dicators o strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>-</u>	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Stripped _ Dark Su dicators d strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely		y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Stripped _ Dark Su dicators d strictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	-	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Stripped _ Dark Sundicators of estrictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>-</u>	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
Stripped Dark Sundicators ( estrictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	<u>-</u>	y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Stripped _ Dark Sundicators of estrictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	-	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
Stripped Dark Su ndicators d estrictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely	-	y must bi			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Stripped _ Dark Su ndicators of estrictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely		y must be			Other (Exp ed or problemation	lain ii c.	n R	em	
_ Stripped _ Dark Su ndicators of estrictive L	rface (S7) <b>(LRR R, M</b> <u>of hydrophytic veg</u> <b>.ayer (if observed):</b> Type:	etation	and wetland hydr ocks/gravely		y must be			Other (Exp ed or problemation	lain ii c.	n R	em	

#### Vegetation Photos



Soil Photos





Project/Site: Excelsion		Cit	t <b>y/County:</b> Byro	n, Genesee			Sampling Date:	2019-May-29
Applicant/Owner: N			State: NY	Sampling Point:	W-JJB-03; UPL-1			
Investigator(s): Jake	Brillo, Rebecca	Cosgrove		Sect	ion, Township, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Hillslope		Local relief	(concave, convex,	, none):	Convex	Slope (%): 2-5
Subregion (LRR or MLF	RA): LRR L			Lat:	43.0706295558	Long:	-78.0512513594	Datum: WGS84
Soil Map Unit Name:	Lima silt loam	, 0 to 3 percent sl	opes				NWI classific	ation:
Are climatic/hydrologic	conditions on	the site typical fo	r this time of yea	ar?	Yes 🟒 No 🔄	(If no	o, explain in Rema	rks.)
Are Vegetation,	Soil, c	or Hydrology	significantly dis	turbed?	Are "Normal (	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil, c	r Hydrology	naturally proble	ematic?	(If needed, ex	plain ar	y answers in Rem	arks.)

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No _		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No 🟒	lf yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL.			

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JJB-03; UPL-1

	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species That	2	(A)
35	Yes	FAC	Are OBL, FACW, or FAC:	Z	(~)
12	Yes	FACU	Total Number of Dominant Species	4	(B)
6	No	FACU			(2)
				50	(A/B)
				N.A. Jaim I.	D: a
					•
	= Total Cov	er	· · · · · · · · · · · · · · · · · · ·	-	0
	-		· · · · · · · · · · · · · · · · · · ·	-	30
15	Yes	FACW	· · · · · · · · · · · · · · · · · · ·	-	105
				-	132
				-	0
					267 (B)
			Prevalence Index = B/A =	3.2	
			Hydrophytic Vegetation Indicators:		
			1- Rapid Test for Hydrophytic \	Vegetatior	I
	- Total Cov	or	2 - Dominance Test is > 50%		
	- 10tai Cov	ei	<u>3</u> - Prevalence Index is $\leq 3.0^{1}$		
15	Voc	EACU	4 - Morphological Adaptations	<sup>1</sup> (Provide	supportin
15	165	FACU	- data in Remarks or on a separate sh	neet)	
	·		Problematic Hydrophytic Vege	etation <sup>1</sup> (Ex	(plain)
			3	5	gy must b
			·	matic	
	·		_		
	<u> </u>				diameter a
					OBH and
			-		gardless o
					20 ft in
				ter than 3	.28 IUM
15	= Total Cov	er			
			Hydrophytic Vegetation Present?	Yes N	lo _
			_		
			_		
0	= Total Cov	or	-		
	35         12         6         53         15         15         15         15         15         15         15	12       Yes         6       No         53       = Total Cov         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         16       Yes         17       Yes	35       Yes       FAC         12       Yes       FACU         6       No       FACU         6       No       FACU         53       = Total Cover         15       Yes       FACW         15       Yes       FACW         15       Yes       FACW         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU         15       Yes       FACU	35       Yes       FAC         12       Yes       FACU         6       No       FACU         6       No       FACU         6       No       FACU         7       Total Number of Dominant Species That Are OBL, FACW, or FAC:         7       Prevalence Index worksheet:         7       Total % Cover of:         0BL species       0         53       = Total Cover         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         15       Yes         16       Yes         17       Prevalence Index is < 3.01	35       Yes       FAC         12       Yes       FACU         6       No       FACU         6       No       FACU         6       No       FACU         7       Total Number of Dominant Species       4         Are OBL, FACW, or FAC:       50         Percent of Dominant Species That       50         Are OBL, FACW, or FAC:       50         Prevalence Index worksheet:       50         0BL species       0         15       Yes         753       = Total Cover         FACW       Species         15       Yes         FACW       Species         0       X =         FACU species       33         X =       0         Yes       FACW         FACU species       0         X =       0         Yes       FACU         Yes       Yes         Yes       FACU         Yes       Yes         Yes       FACU         Yes       Yes         Yes       Yes         Yes       Yes         Yes       Yes

Sampling Point: <u>W-JJB-03; UPL-1</u>

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text	ure			Rer	narks
) - 14	2.5Y 3/2	100		·			Silty Cla	y Loam				
				·								
be: C = 0	Concentration, D = I	 Depletio	n, RM = Reduced	Matr	rix, MS =		and Grains. <sup>2</sup> L	ocation: PL = Pore	Lining	ε, M =	Matrix	
	Indicators:		.,					Indicators for P				
Black Hi Hydroge Stratifie Deplete Thick Da Sandy N Sandy C Sandy F Stripped Dark Su	pipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surfa ark Surface (A12) fucky Mineral (S1) ideyed Matrix (S4) d Matrix (S6) rface (S7) <b>(LRR R, N</b>	ace (A11) ILRA 149	Depleted Dar Redox Depre 9 <b>B)</b>	/ Min d Ma trix (F urfac k Sur ssion	eral (F1) trix (F2) 	(LRR K, L)		2 cm Muck ( Coast Prairie 5 cm Mucky Dark Surface Polyvalue Be Thin Dark Su Iron-Mangai Piedmont Fl Mesic Spodi Red Parent I Very Shallov Other (Expla	e Redo Peat c e (S7) <b>(</b> elow Si urface nese M oodpla c (TA6) Materia <i>i</i> Dark	x (A16 or Peat L <b>RR K,</b> urface (S9) <b>(L</b> lasses in Soi <b>(MLR</b> al (F21 Surfac	) <b>(LRR</b> (S3) <b>(I</b> (S8) <b>(I</b> (RR K, I (F12) ( s (F19) (S (F19) (S (F19) (S (F19) (S (F19) (S (TF1)) (S (TF1)) (S (TF1))	K, L, R) LRR K, L, R) .) (LRR K, L, R) ) (MLRA 149B) A, 145, 149B)
	of hydrophytic veg		and wetland hydr	ology	y must be	e present,	unless disturbe	d or problematic.				
	<b>.ayer (if observed):</b> Type: Depth (inches):		None			Hydric S	oil Present?		Yes _	No	⊳_∠	
narks:												

Vegetation Photos



Soil Photos



Project/Site: Excelsior		City/	County: Byron, Ge		Sampling Date: 2019-June-10				
Applicant/Owner: N		Sta	te: NY		Sampling Point:	W-JJB-24; PEM-1			
Investigator(s): Jake	Brillo, Isaac Pa	llant		Section, Tov	wnship, Ra	ange:			
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Loca	l relief (concav	ve, convex	, none):	Concave	Slope (%): 0-1	
Subregion (LRR or MLR	RA): LRR L			Lat: 43.066	8067793	Long:	-78.0762686581	Datum: WGS84	
Soil Map Unit Name:	Ovid silt loam	n, 0 to 3 percent slop	es				NWI classific	ation:	
Are climatic/hydrologic	conditions on	the site typical for th	his time of year?	Yes _	No	🖌 (lf no	, explain in Remar	ks.)	
Are Vegetation 🟒,	Soil,	or Hydrology sig	gnificantly disturbe	ed? Are	"Normal	Circums	tances" present?	Yes No 🟒	
Are Vegetation,	Soil,	or Hydrology na	aturally problemat	ic? (If r	needed, ex	plain ar	ny answers in Rem	arks.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-24						
Remarks: (Explain alternative procedures	here or in a separate repo	ort)							
TRC covertype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year									

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one	is required; check all that apply)	Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>Marl Deposits (B15)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living Roots (C3)</li> </ul>	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>✓ Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Imag</li> <li>Sparsely Vegetated Concave Surf</li> </ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:		
Surface Water Present?	Yes <u>✓</u> No Depth (inches):	_
Water Table Present?	Yes No 🟒 Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present?	Yes 🖌 No Depth (inches): 0	
(includes capillary fringe)		-
Describe Recorded Data (stream gau	uge, monitoring well, aerial photos, previous inspections), if	available:

Sampling Point: W-JJB-24; PEM-1

	Absolute %	Dominant	Indicator	Dominance Test worksh	neet:		
Tree Stratum (Plot size: <u>30 ft</u> )	Cover	Species?	Status	Number of Dominant S			
1.			otatao	Are OBL, FACW, or FAC:	•	0	(A)
2.				Total Number of Domin	ant Species		
3.				Across All Strata:	·	0	(B)
	·			<ul> <li>Percent of Dominant Sp</li> </ul>	pecies That		(4 (D)
4.				Are OBL, FACW, or FAC:			(A/B)
5				- Prevalence Index works	sheet:		
6				- <u>Total % Cover</u>	of:	Multiply	<u>By:</u>
7				<ul> <li>OBL species</li> </ul>	0	x 1 =	0
	0	= Total Cover		FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>				FAC species	0	x 3 =	0
1				— FACU species	0	x 4 =	0
2	<u> </u>			- UPL species	0	x 5 =	0
3				Column Totals	0	(A)	0 (B)
4				Prevalence In			0 (2)
5							
6				Hydrophytic Vegetation			
7.				- 1- Rapid Test for H		/egetation	
	0	= Total Cover		2 - Dominance Tes			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )	-			3 - Prevalence Ind			
1				4 - Morphological			supporting
2				<ul> <li>data in Remarks or on a</li> </ul>			
3.				Problematic Hydro			
4.	·			Indicators of hydric soi			gy must be
5.				present, unless disturb		matic	
				Definitions of Vegetatio			
6				Tree – Woody plants 3 i			liameter at
7	·			breast height (DBH), reg			
8				Sapling/shrub – Woody			BH and
9				greater than or equal to			rardlass of
10				<ul> <li>Herb – All herbaceous ( size, and woody plants</li> </ul>	-		gardiess of
11				- Woody vines – All wood			20 ft in
12				height.	ly villes grea	ter than 5.	201111
	0	= Total Cover					
Woody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation	n Present?	res 🟒 N	0
1				_			
2							
3							
4.							
	0	= Total Cover		_			
Remarks: (Include photo numbers here o	r on a separat	e sheet.)					
Active agricultural field							

# Sampling Point: W-JJB-24; PEM-1

	scription: (Describe	to the c	-			ndicato	r or confirm the	e absence of indicato	ors.)
Depth	Matrix		Redox	x Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Te	exture	Remarks
0 - 3	2.5Y 4/1	100					Sil	t Loam	
3 - 8	10YR 3/3	95	7.5YR 4/4	5	С	Μ	Silty 0	Clay Loam	
8 - 14	10YR 5/1	80	7.5YR 5/8	20	С	Μ	Cla	y Loam	
<sup>1</sup> Type: C =	Concentration, D =	Depleti	on, RM = Reduced	d Mati	rix, MS =	Masked	Sand Grains.	<sup>2</sup> Location: PL = Pore	e Lining, M = Matrix.
	I Indicators:								roblematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Be	low S	urface (S	8) (LRR	R, MLRA 149B)		A10) (LRR K, L, MLRA 149B)
	Epipedon (A2)		Thin Dark Su						e Redox (A16) <b>(LRR K, L, R)</b>
Black H	Histic (A3)		Loamy Muck	y Min	eral (F1)	(LRR K, I	L)		Peat or Peat (S3) <b>(LRR K, L, R)</b>
	gen Sulfide (A4)		Loamy Gleye					-	e (S7) (LRR K, L)
	ed Layers (A5)		_ ∠ Depleted Ma						elow Surface (S8) (LRR K, L)
	ed Below Dark Surf	ace (A1						-	urface (S9) <b>(LRR K, L)</b>
	Dark Surface (A12)		Depleted Da						nese Masses (F12) <b>(LRR K, L, R)</b>
-	Mucky Mineral (S1)		Redox Depre	essior	IS (F8)			Piedmont Fl	oodplain Soils (F19) <b>(MLRA 149B)</b>
-	Gleyed Matrix (S4)							Mesic Spodi	c (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	Redox (S5)							Red Parent	Material (F21)
	ed Matrix (S6)							Very Shallow	v Dark Surface (TF12)
Dark S	urface (S7) <b>(LRR R, N</b>	MLRA 14	19B)					Other (Expla	ain in Remarks)
<sup>3</sup> Indicators	s of hydrophytic veg	getation	and wetland hyd	rolog	y must be	e preser	nt, unless distur	bed or problematic.	
Restrictive	Layer (if observed)	:							
	Туре:		None	_		Hydric	Soil Present?		Yes 🟒 No
	Depth (inches):			-					
Remarks:									

# Hydrology Photos



Vegetation Photos



#### Soil Photos





Project/Site: Excelsion		City/0	County: Byron, Gene	esee		Sampling Date:	2019-June-10
Applicant/Owner: N	lextEra			State: NY		Sampling Point:	W-JJB-24; UPL-1
Investigator(s): Jake	Brillo, Isaac Pa	allant		Section, Township,	Range:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local r	elief (concave, conv	ex, none)	Flat	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR	_		Lat: 43.066784315	8 Long	-78.0761891977	Datum: WGS84
Soil Map Unit Name:	Ovid silt loar	n, 0 to 3 percent slope	es			NWI classifie	cation:
Are climatic/hydrologic	c conditions or	n the site typical for th	is time of year?	Yes No	_🖌 (If no	, explain in Remar	ks.)
Are Vegetation,	Soil,	or Hydrology sig	gnificantly disturbed	? Are "Norm	al Circum	stances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology na	turally problematic?	? (If needed,	explain a	ny answers in Rem	arks.)

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures l	nere or in a separate repor	t)	
TRC covertype is UPL. Circumstances are r	ot normal due to agricultu	ral activities, Wetter than average year	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	<u>e is required; check all that apply)</u>	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sui		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:		
Surface Water Present? Water Table Present?	Yes     No     ✓     Depth (inches):       Yes     No     ✓     Depth (inches):	 Wetland Hydrology Present? Yes №
Saturation Present?	Yes No Depth (inches):	-
(includes capillary fringe)	······································	
Remarks:	uge, monitoring well, aerial photos, previous inspections), if	

Sampling Point: W-JJB-24; UPL-1

<u> Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
 2				Total Number of Dominant Species Across All Strata:	1	(B)
3 4				<ul> <li>Percent of Dominant Species That</li> <li>Are OBL, FACW, or FAC:</li> </ul>	0	(A/B)
5				Prevalence Index worksheet:		
5				- Total % Cover of:	Multiply	<u>By:</u>
7				OBL species 0	x 1 =	0
	0	= Total Cov	er	FACW species 0	x 2 =	0
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
				FACU species 0	x 4 =	0
2				UPL species 85	x 5 =	425
3				- Column Totals 85	(A)	425 (B)
4				Prevalence Index = B/A =	5	
5				Hydrophytic Vegetation Indicators:		
5				1- Rapid Test for Hydrophytic		
7				2 - Dominance Test is > 50%	regetation	
	0	= Total Cov	er	$3 - Prevalence Index is \leq 3.0^{1}$		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptation	s <sup>1</sup> (Provide	supportin
. Triticum aestivum	85	Yes	UPL	- data in Remarks or on a separate s	-	supporting
2.				Problematic Hydrophytic Veg		plain)
3				- <sup>1</sup> Indicators of hydric soil and wetla		
4				present, unless disturbed or proble		<b>J</b>
5				Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm) o	or more in c	liameter a
7.				breast height (DBH), regardless of		
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	) plants, reg	ardless of
11				size, and woody plants less than 3.	28 ft tall.	
11				Woody vines – All woody vines grea	ater than 3.	28 ft in
12		= Total Cov	or	height.		
<u> Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetation Present?	Yes N	0 🖌
1.						
2.				-		
2				-		
	·			-		
4				-		
	0	= Total Cov	er			

Depth (inches)	Matrix		Redo	x Feat			initia at	osence of indicat	,
	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 8	10YR 4/3	100					Clay Loar	n	
8 - 18	10YR 4/4	85	10YR 4/6	15			Clay		
						<u> </u>			
						<u> </u>			
						<u> </u>			
						<u> </u>			
						<u> </u>			
	 Concentration, D =	Doplati	DD DM - Doducou		riv MC -	Macked Sand	Crains 21	acation: DI - Dor	e Lining, M = Matrix.
	Indicators:	Depietio	JII, RIVI – REGUCE	u iviat	112, 1013 -	Maskeu Saliu			Problematic Hydric Soils <sup>3</sup> :
-			Debuselus D		·		1400)		5
Histoso	pipedon (A2)		Polyvalue Be						(A10) <b>(LRR K, L, MLRA 149B)</b>
	istic (A3)		Loamy Muck				D)		ie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye	-					/ Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma						e (S7) (LRR K, L)
	d Below Dark Surf	ace (A11			-				elow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da			1			urface (S9) <b>(LRR K, L)</b>
	/ucky Mineral (S1)		Redox Depr						nese Masses (F12) <b>(LRR K, L, R)</b>
	Gleyed Matrix (S4)								loodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								ic (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	d Matrix (S6)							Red Parent	
		MLRA 14	9B)						w Dark Surface (TF12)
Dark Su	ITTACE (S7) <b>(LRR R, I</b>							Other (Expl	ain in Remarks)
	irface (S7) <b>(LRR R, I</b>								
Indicators	of hydrophytic veg	getation	and wetland hyd	rolog	y must be	e present, unl	ess disturbe	d or problematio	
Indicators Restrictive	of hydrophytic veg L <b>ayer (if observed)</b>	getation		Irolog	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	rolog	y must be	e present, unl Hydric Soil F			No∕_
Indicators Restrictive	of hydrophytic veg L <b>ayer (if observed)</b>	getation		lrolog	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	lrolog	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	rolog	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	rolog -	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	<u>-</u>	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	lrolog -	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan		y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan		y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	<u>-</u>	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	<u>-</u>	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	<u>-</u>	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan		y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
Indicators Restrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	<u>-</u>	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				
ndicators estrictive	of hydrophytic veş L <b>ayer (if observed)</b> Type:	getation	Hard pan	-	y must be				

Vegetation Photos



Photo of Sample Plot



Project/Site: Excelsior	City/County: Byron, Genesee County	Sampling Date: 2019-May-31
Applicant/Owner: NextEra	State: New York	Sampling Point: W-JDV-16; PFO-1
Investigator(s): Jeff Vandeveer, IBP	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depression	Local relief (concave, convex, none	: Concave Slope (%): 1-10
Subregion (LRR or MLRA): LRR L	Lat: 43.0746071 Long	: -78.1028243 Datum: WGS84
Soil Map Unit Name: Ovid silt loam, 3 to 8 percer	slopes	NWI classification: None
Are climatic/hydrologic conditions on the site typica	for this time of year? Yes 🟒 No (If i	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology _	significantly disturbed? Are "Normal Circum"	stances" present? Yes 🟒 No
Are Vegetation, Soil, or Hydrology _	naturally problematic?  (If needed, explain a	ny answers in Remarks.)

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes 🟒 No	ļ	
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-JDV-16
Remarks: (Explain alternative procedur	es here or in a separate rep	port)	
TRC covertype is PFO. Area is wetland, a	all three wetland paramete	rs are present. Circumstances are not normal due t	o agricultural activities

Wetland Hydrology Indicators:					
Primary Indicators (minimum of or	ne is required; o	<u>check all that apply)</u>		Secondary Indicators (minimum o	of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>✓ Water Marks (B1)</li> <li> Sediment Deposits (B2)</li> </ul>	_	<ul> <li>✓ Water-Stained Leaves (B9)</li> <li>✓ Aquatic Fauna (B13)</li> <li>Marl Deposits (B15)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on I</li> </ul>		<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Im</li> </ul>	nagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li>Presence of Reduced Iron (</li> <li>Recent Iron Reduction in Ti</li> <li>✓ Thin Muck Surface (C7)</li> <li>Other (Explain in Remarks)</li> </ul>		<ul> <li>Stunted or Stressed Plants (D' Geomorphic Position (D2)         Shallow Aquitard (D3)         Microtopographic Relief (D4)         FAC-Neutral Test (D5)     </li> </ul>	
Field Observations:					
Surface Water Present?	Yes 🟒 No _	Depth (inches):	1	_	
Water Table Present?	Yes 🟒 No _	Depth (inches):	0	Wetland Hydrology Present?	Yes 🟒 No
Saturation Present?	Yes 🟒 No _	Depth (inches):	0		
(includes capillary fringe)					
Describe Recorded Data (stream g	auge, monitorii	ing well, aerial photos, previou	s inspections), if	available:	
A positive indication of wetland hyd	drology was ob	oserved (primary and seconda	ry indicators wer	e present).	

# Sampling Point: W-JDV-16; PFO-1

ree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	6	(4)
. Fraxinus pennsylvanica	20	Yes	FACW	Are OBL, FACW, or FAC:		(A)
2. Acer rubrum	12	Yes	FAC	Total Number of Dominant Species	7	(B)
3. Juglans nigra	10	Yes	FACU	Across All Strata:		(8)
. Quercus alba	8	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC:	85.7	(A/B)
		<u> </u>		Prevalence Index worksheet:		
				Total % Cover of:	Multiply E	<u>By:</u>
7				OBL species 0	x 1 =	0
	50	= Total Cov	er	FACW species 55	x 2 =	110
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 17	x 3 =	51
. Sambucus nigra	10	Yes	FACW	FACU species 18	x 4 =	72
2. Cornus amomum	10	Yes	FACW	UPL species 0	x 5 =	0
				Column Totals 90	(A)	233 (B)
ł				Prevalence Index = B/A =		200 (0)
				Hydrophytic Vegetation Indicators:	2.0	
				1- Rapid Test for Hydrophytic	Vogetation	
				· 2 - Dominance Test is >50%	vegetation	
	20	= Total Cov	er			
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )		-		$\checkmark$ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	1 (Duessiele e	
. Fraxinus pennsylvanica	15	Yes	FACW	4 - Morphological Adaptations		upportin
2. Acer rubrum	5	Yes	FAC	- data in Remarks or on a separate s		-   - : - )
3.				Problematic Hydrophytic Vege		
· · · · · · · · · · · · · · · · · · ·				<sup>1</sup> Indicators of hydric soil and wetlar	, ,	y must b
				present, unless disturbed or proble	matic	
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) o		iameter a
7				breast height (DBH), regardless of h	-	
3				Sapling/shrub – Woody plants less t		BH and
)				greater than or equal to 3.28 ft (1 m		
0				Herb – All herbaceous (non-woody) size, and woody plants less than 3.2		ardiess o
1						00 ft in
2				Woody vines – All woody vines grea height.		20 11 11
	20	= Total Cov	er			
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes 🟒 N	0
2.						
3.						
l.				•		
···	0	= Total Cov	er	•		
	0	-				

# Sampling Point: W-JDV-16; PFO-1

	Matrix Color (moist)	%	Color (moist)	%	ures Type <sup>1</sup>	Loc <sup>2</sup>	Textu	ure Remarks
(inches) 0 - 3	2.5Y 3/2	100			Турс		Silty Clay	
3 - 15	2.5Y 4/2	95	10YR 3/4	5	С	M	Silty Clay	
		·						
		·						
				_				
		Depletio	n, RM = Reduced	Matr	ix, MS = I	Masked S	and Grains. <sup>2</sup> Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil								Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Bel					2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		Thin Dark Su				149B)	Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye					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 Surfa	ace (A11)						Polyvalue Below Surface (S8) <b>(LRR K, L)</b> Thin Dark Surface (S9) <b>(LRR K, L)</b>
Thick Da	ark Surface (A12)		Depleted Dar					Irin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depre	ssion	s (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) <b>(LRR R, M</b>	1LRA 149	9B)					Other (Explain in Remarks)
<sup>3</sup> Indicators	of hydrophytic veg	etation a	and wetland hydr	ology	/ must be	e present,	unless disturbe	d or problematic.
Restrictive I	_ayer (if observed):							
	Туре:		None	_		Hydric S	oil Present?	Yes 🖌 No
	Depth (inches):							
Remarks:								
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					
A positive ir	ndication of hydric	soil was	observed.					

Photo of Sample Plot





Project/Site: Excelsior	City/County: Byron, Genesee	Sampling Date: 2019-June-12
Applicant/Owner: NextEra	State: NY	Sampling Point: W-JJB-33; UPL-2
Investigator(s): Jake Brillo, Isaac Pallant	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Hilltop	Local relief (concave, convex, none):	Convex Slope (%): 1-10
Subregion (LRR or MLRA): LRR L	Lat: 43.0606759432 Long:	-78.0898144532 Datum: WGS84
Soil Map Unit Name: Lamson very fine sandy lo	bam	NWI classification:
Are climatic/hydrologic conditions on the site typi	cal for this time of year? Yes No _∠ (If no	, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	/ significantly disturbed? Are "Normal Circums	tances" present? Yes No 🟒
Are Vegetation, Soil, or Hydrology	/ naturally problematic? (If needed, explain ar	ny 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 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No _	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her	re or in a separate report	)	
TRC covertype is UPL. Wetter than average ye	ear		

Wetland Hydrology Indicators:		
Primary Indicators (minimum of or	ne is required: check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>Marl Deposits (B15)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living Roots (C3)</li> </ul>	Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:		
Surface Water Present?	Yes No Depth (inches):	
Water Table Present?	Yes No Depth (inches):	 Wetland Hydrology Present? Yes №
Saturation Present?	Yes No Depth (inches):	
(includes capillary fringe)		_
Describe Recorded Data (stream g	auge, monitoring well, aerial photos, previous inspections), if	available:
Remarks:		

Sampling Point: W-JJB-33; UPL-2

<u>ree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Th Are OBL, FACW, or FAC:	at O	(A)
·				Total Number of Dominant Speci	es 2	(B)
				Percent of Dominant Species Tha	nt 0	(A/B)
i.				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	<u>Multiply</u>	
·		= Total Cov	er	- OBL species 0	x 1 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		Total Cov		FACW species 0	x 2 =	0
				FAC species 0	x 3 =	0
·				FACU species 80	x 4 =	320
		·		- UPL species 0	x 5 =	0
				Column Totals 80	(A)	320 (B
		·		Prevalence Index = B/A		
				Hydrophytic Vegetation Indicator	s:	
		·		1- Rapid Test for Hydrophyt	ic Vegetatio	n
	0	= Total Cov	or	2 - Dominance Test is > 50%	)	
lack Strature (Distained 5 ft )	0		ei	$3$ - Prevalence Index is $\leq 3.0$	) <sup>1</sup>	
lerb Stratum (Plot size: <u>5 ft</u> )	45		FACU	4 - Morphological Adaptatic	ns¹ (Provide	supportin
. Arctium minus	45	Yes	FACU	- data in Remarks or on a separate	e sheet)	
2. Galium aparine	20	Yes	FACU	Problematic Hydrophytic Ve	egetation <sup>1</sup> (E	xplain)
3. <u>Cirsium arvense</u>	15	No	FACU	<sup>1</sup> Indicators of hydric soil and wet	land hydrolo	ogy must b
4				present, unless disturbed or pro	olematic	
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm	) or more in	diameter a
7				breast height (DBH), regardless o	f height.	
3.				Sapling/shrub – Woody plants les	s than 3 in.	DBH and
).				greater than or equal to 3.28 ft (1	m) tall.	
0				Herb – All herbaceous (non-wood	dy) plants, re	gardless o
1				size, and woody plants less than	3.28 ft tall.	
11				- Woody vines – All woody vines gr	eater than 3	3.28 ft in
2	80	= Total Cov	o.r.	height.		
	- 00	- Total COV	er	Hydrophytic Vegetation Present	? Yes	No 🖌
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )						
l				-		
<u></u>				-		
3				-		
4.				_		
	0	= Total Cov	er			

nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 9	10YR 3/2	100					Loam		
		<u> </u>							
		<u> </u>							
				_					
		<u> </u>		·					
				_					
				· —					
e: C = (	Concentration, D = D	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked S	and Grains.	<sup>2</sup> Location: PL =	Pore Lining, M = Matrix.
	Indicators:								for Problematic Hydric Soils <sup>3</sup> :
listoso			Polyvalue Bel					2 cm M	uck (A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2)		Thin Dark Su				149B)	Coast P	rairie Redox (A16) <b>(LRR K, L, R)</b>
	istic (A3) en Sulfide (A4)		Loamy Mucky			(LRR K, L)		5 cm M	ucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	ed Layers (A5)		Loamy Gleye Depleted Mai						ırface (S7) <b>(LRR K, L)</b>
					5)			Polyvali	ue Below Surface (S8) <b>(LRR K, L)</b>
Denlete	<b>,</b>	ce (A11)		urfa	-e (F6)			-	
	ed Below Dark Surfa		) Redox Dark S					Thin Da	ark Surface (S9) <b>(LRR K, L)</b>
Thick D	ed Below Dark Surfa ark Surface (A12)		) Redox Dark S Depleted Dar	k Su	face (F7)			Thin Da Iron-Ma	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b>
Thick Da Sandy N	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1)		) Redox Dark S	k Su	face (F7)			Thin Da Iron-Ma Piedmo	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b>
Thick Da Sandy N Sandy C	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)		) Redox Dark S Depleted Dar	k Su	face (F7)			Thin Da Iron-Ma Piedmo Mesic S	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Thick D Sandy N Sandy C Sandy F	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)		) Redox Dark S Depleted Dar	k Su	face (F7)			Thin Da Iron-Ma Piedmo Mesic S Red Par	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B</b> ) podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21)
Thick Da Sandy M Sandy C Sandy F Strippe	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6)		) Redox Dark S Depleted Dar Redox Depre	k Su	face (F7)			Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> opdic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12)
Thick D Sandy N Sandy G Sandy F Strippe Dark Su	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, M</b>	LRA 149	) Redox Dark S Depleted Dar Redox Depre 9 <b>B)</b>	k Sui ssior	face (F7) is (F8)			Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
Thick D Sandy N Sandy C Sandy F Strippe Dark Su licators	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, M</b> of hydrophytic vege	LRA 149	) Redox Dark S Depleted Dar Redox Depre 9 <b>B)</b>	k Sui ssior	face (F7) is (F8)		unless disturi	Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
Thick D Sandy N Sandy C Sandy F Strippe Dark Su licators	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed):	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	k Sui ssior	face (F7) is (F8)	e present,		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Fhick D Sandy N Sandy C Sandy F Strippe Dark Su icators	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre 9 <b>B)</b>	k Sui ssior	face (F7) is (F8)	e present,	unless disturt oil Present?	Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
Thick D Gandy N Gandy F Gandy F Strippe Dark Su Dark Su icators	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed):	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	k Sui ssior	face (F7) is (F8)	e present,		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Thick D Sandy N Sandy C Sandy F Stripper Dark Su <u>icators</u> trictive	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	k Sui ssior	face (F7) is (F8)	e present,		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
Thick D Sandy N Sandy C Sandy F Strippe Dark Su icators rictive	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	k Sui ssior	face (F7) is (F8)	e present,		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
hick D Gandy N Gandy F Gandy F Gandy F Oark Su Cark Su Cators rictive	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	k Sui ssior	face (F7) is (F8)	e present,		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
hick D andy N Sandy C Sandy F Strippe Dark Su Cators rictive	ed Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, M of hydrophytic vege Layer (if observed): Type:	LRA 149	) Redox Dark S Depleted Dar Redox Depre <b>9B)</b> and wetland hydr	k Sui ssior	face (F7) is (F8)	e present,		Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh Other (I peed or problem	ark Surface (S9) <b>(LRR K, L)</b> anganese Masses (F12) <b>(LRR K, L, R)</b> ont Floodplain Soils (F19) <b>(MLRA 149B)</b> podic (TA6) <b>(MLRA 144A, 145, 149B)</b> rent Material (F21) allow Dark Surface (TF12) Explain in Remarks) natic.
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Vegetation Photos



Photo of Sample Plot

Project/Site: Excelsion		City/County	: Byron, Genesee	County		Sampling Date:	2019-May-29
Applicant/Owner: N	lextEra			State: New	York	Sampling Point:	W-JDV-07; PEM-1
Investigator(s): Jeff	/andeveer, IB	Р	Sect	ion, Township, F	lange:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relief	(concave, conve	x, none):	Concave	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR	L	Lat:	43.0864856	Long:	-78.0923369	Datum: WGS84
Soil Map Unit Name:	Wakeville si	lt loam				NWI classific	ation: PSS
Are climatic/hydrologic	c conditions o	n the site typical for this time	e of year?	Yes 🟒 No _	(If no	o, explain in Rema	rks.)
Are Vegetation 🟒,	Soil,	or Hydrology significar	ntly disturbed?	Are "Normal	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology naturally	<sup>,</sup> problematic?	(lf needed, e	xplain ar	y answers in Rem	arks.)

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes 🖌 No Yes 🏒 No	Is the Sampled Area within a Wetland?	Yes 🧹 No
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-JDV-07
Remarks: (Explain alternative procedure	es here or in a separate rep	port)	
TRC covertype is PEM. Circumstances a	e not normal due to agricu	ultural activities	

Wetland Hydrology Indicators:				
Wetiand Hydrology indicators:          Primary Indicators (minimum of or	Wa Aq Ma Hy Ox Pre Re Thi agery (B7) Oth	all that apply) ater-Stained Leaves (B9) uatic Fauna (B13) arl Deposits (B15) drogen Sulfide Odor (C1) idized Rhizospheres on Living esence of Reduced Iron (C4) cent Iron Reduction in Tilled S in Muck Surface (C7) her (Explain in Remarks) Depth (inches):	,	Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  Geomorphic Position (D2)  Shallow Aquitard (D3)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)
Water Table Present?	Yes No _	Depth (inches):		– Wetland Hydrology Present? Yes _∠ No
Saturation Present?	Yes 🟒 No	Depth (inches):	8	_
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring we	ell, aerial photos, previous ins	pections), if	available:
Remarks: A positive indication of wetland hyd	drology was observe	ed (primary and secondary inc	dicators wer	re present).

Sampling Point: W-JDV-07; PEM-1

		Dominant	Indicator	Dominance Test worksheet:				
ree Stratum (Plot size: <u>30 ft</u> )	% Cover	Species?	Status	Number of Dominant Species T	nat 1	(A)		
				Are OBL, FACW, or FAC:				
				<ul> <li>Total Number of Dominant Spec</li> <li>Across All Strata:</li> </ul>	cies 2	(B)		
				<ul> <li>Percent of Dominant Species Th</li> </ul>				
				- Are OBL, FACW, or FAC:	50	(A/B)		
				<ul> <li>Prevalence Index worksheet:</li> </ul>				
				- <u>Total % Cover of:</u>	Multiply	Bv:		
				– OBL species 0	x 1 =	0		
	0	= Total Cov	er	FACW species 60	x 2 =	120		
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0		
				– FACU species 25	x 4 =	100		
				– UPL species 0	x 5 =	0		
				- Column Totals 85	(A)	220 (B		
				Prevalence Index = B/		(D		
				Hydrophytic Vegetation Indicato		·		
				- 1- Rapid Test for Hydrophy				
				- 2 - Dominance Test is > 50	•			
	0	= Total Cov	er	$\checkmark$ 3 - Prevalence Index is $\leq$ 3				
<u>erb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptati		supportin		
Phragmites australis	55	Yes	FACW	- data in Remarks or on a separat		Supportin		
. Hesperis matronalis	20	Yes	FACU	– Problematic Hydrophytic V		(plain)		
. Eupatorium perfoliatum	5	No	FACW	<ul> <li>Indicators of hydric soil and we</li> </ul>				
. Alliaria petiolata	5	No	FACU	present, unless disturbed or problematic				
				Definitions of Vegetation Strata				
				Tree – Woody plants 3 in. (7.6 cr	n) or more in	diameter a		
				breast height (DBH), regardless	of height.			
				Sapling/shrub – Woody plants le	ess than 3 in. [	OBH and		
				greater than or equal to 3.28 ft				
0				Herb – All herbaceous (non-woo		gardless o		
1				size, and woody plants less than				
2.				Woody vines – All woody vines g	greater than 3	.28 ft in		
	85	= Total Cov	er	height.				
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetation Presen	t?Yes 🖌 🛛	lo		
				-				
				_				
				-				
r.	0	= Total Cov	er	-				

# Sampling Point: W-JDV-07; PEM-1

-15       10YR 5/1       90       10YR 5/4       10       C       M       Clay Loam         -15       10YR 5/1       90       10YR 5/4       10       C       M       Clay Loam         -15       10YR 5/1       90       10YR 5/4       10       C       M       Clay Loam         -15       10YR 5/1       90       10YR 5/4       10       C       M       Clay Loam         -15       -15       -15       -15       -15       -15       -15       -15         -16       -16       -16       -16       -16       -16       -16       -16         -15       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16       -16 <td< th=""><th>nches)</th><th>Color (moist)</th><th>%</th><th>Color (moist)</th><th>%</th><th>Type<sup>1</sup></th><th>Loc<sup>2</sup></th><th>Textu</th><th>ire</th><th>Remarks</th></td<>	nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu	ire	Remarks
Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted       Depleted <td< th=""><th>0 - 5</th><th>10YR 5/2</th><th>100</th><th></th><th></th><th></th><th></th><th>Silty Clay</th><th>Loam</th><th></th></td<>	0 - 5	10YR 5/2	100					Silty Clay	Loam	
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)	i - 15	10YR 5/1	90	10YR 5/4	10	С	М	Clay Lo	bam	
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)										
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)					·		<u> </u>		· .	
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)					—					
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)										
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)										
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)										
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)					·		<u> </u>		· ·	
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histic Epipedon (A2)					—					
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)       Dark Surface (S7) (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)       Thin Dark Surface (S9) (LRR K, L, R)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Piedmont Floodplain Soils (F19) (MLRA 149B)         Sandy Redox (S5)       Red Parent Material (F21)       Very Shallow Dark Surface (TF12)         Dark Surface (S7) (LRR R, MLRA 149B)       Red Parent Material (F21)       Very Shallow Dark Surface (TF12)         Dark Surface (S7) (LRR R, MLRA 149B)       Hydric Soil Present?       Yes No         Tripet       None       Hydric Soil Present?       Yes No	pe: C = (	Concentration, D =	Depletio	on, RM = Reduced	l Matr	ix, MS =	Masked Sand (	irains. <sup>2</sup> Lo	ocation: PL = Pore	Lining, M = Matrix.
Histic Epipedon (A2)	ric Soil	Indicators:	•						Indicators for Pr	roblematic Hydric Soils <sup>3</sup> :
Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      Coast F1 after Redox (A10) (LRR K, L, R)         Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      S cm Mucky Peat or Peat (S3) (LRR K, L, R)         Stratified Layers (A5)      Depleted Matrix (F3)      Dark Surface (S7) (LRR K, L)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)      Depleted Dark Surface (F7)         Thick Dark Surface (A12)      Depleted Dark Surface (F7)      Tron-Manganese Masses (F12) (LRR K, L, R)         Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Nesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)      Nesic Spodic (TA6) (MLRA 144A, 145, 149B)      Nesic Spodic (TF12)         Dark Surface (S7) (LRR R, MLRA 149B)      Nesic Spodic (TF12)      Nother (Explain in Remarks)         Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes		. ,							2 cm Muck (/	A10) (LRR K, L, MLRA 149B)
Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      S Chi Mucky Peat Of Peat (S5) (LRR K, L, R)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S7) (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)       Piedmont Floodplain Soils (F19) (MLRA 1449B)         Sandy Redox (S5)									Coast Prairie	e Redox (A16) <b>(LRR K, L, R)</b>
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) 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) Very Shallow Dark Surface (TF12)   Iicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   trictive Layer (if observed):   Type:   None   Depth (inches):					-				-	
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) 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) Very Shallow Dark Surface (TF12)   Iicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   trictive Layer (if observed):   Type:   None   Depth (inches):	, ,									
Inick Dark Surface (A12)		<b>,</b>	ace (A11						-	
Sandy Mucky Miletal (S1)	Thick D	ark Surface (A12)		Depleted Da	rk Sur	face (F7)				
Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 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)   licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   trictive Layer (if observed):   Type:   None   Depth (inches):   Hydric Soil Present? Yes No						(50)			Iron-wangar	iese Masses (FIZ) (LKK K, L, K)
Sandy Redox (S5)	Sandy I	Mucky Mineral (S1)		Redox Depre	ession	IS (F8)			Diadmont El	oodplaip Soils (E10) (MI DA 1400)
Stripped Matrix (S6)		,		Redox Depre	ession	IS (F8)				
Dark Surface (S7) (LRR R, MLRA 149B)      Other (Explain in Remarks)         licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         trictive Layer (if observed):	Sandy	Gleyed Matrix (S4)		Redox Depre	ession	IS (F8)			Mesic Spodie	c (TA6) <b>(MLRA 144A, 145, 149B)</b>
trictive Layer (if observed): Type: None Hydric Soil Present? Yes ✓ No Depth (inches):	_ Sandy ( _ Sandy I _ Strippe	Gleyed Matrix (S4) Redox (S5) d Matrix (S6)		·	ession	IS (F8)			Mesic Spodio Red Parent M	c (TÁ6) <b>(MLRA 144A, 145, 149B)</b> Material (F21)
Type:     None     Hydric Soil Present?     Yes _ No       Depth (inches):	Sandy ( Sandy I Strippe	Gleyed Matrix (S4) Redox (S5) d Matrix (S6)		·	ession	IS (F8)			Mesic Spodic Red Parent M Very Shallow	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
Depth (inches):	Sandy ( Sandy I Strippe Dark Su	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b>	MLRA 14	9B)			e present, unle	ss disturbec	Mesic Spodic Red Parent N Very Shallow Other (Expla	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
	_ Sandy ( _ Sandy I _ Strippe _ Dark Su	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg	MLRA 14 getation	9B)			e present, unle:	ss disturbec	Mesic Spodic Red Parent N Very Shallow Other (Expla	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
narks:	_Sandy ( _Sandy I _Strippe _Dark Su dicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed</b> )	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy l Strippe Dark Su dicators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy l Strippe Dark Su dicators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy l Strippe Dark Su dicators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su licators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su licators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
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	_ Sandy ( _ Sandy I _ Strippe _ Dark Su dicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	_ Sandy ( _ Sandy I _ Strippe _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed)</b> Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	_ Sandy ( _ Sandy I _ Strippe _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, I of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
	Sandy ( Sandy I Strippe Dark Su dicators trictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, I of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hydr					Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)

Vegetation Photos



Photo of Sample Plot







Project/Site: Excelsior	City/County: Byron, Genesee	Sampling Date: 2019-May-29
Applicant/Owner: NextEra	State: NY	Sampling Point: W-JJB-03; PFO-1
Investigator(s): Jake Brillo, Rebecca Cosgrove	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Depressio	Local relief (concave, convex, none):	Concave Slope (%): 0-1
Subregion (LRR or MLRA): LRR L	Lat: 43.0707256962 Long:	-78.0514590629 Datum: WGS84
Soil Map Unit Name: Lima silt loam, 0 to 3 percent	ent slopes	NWI classification:
Are climatic/hydrologic conditions on the site typi	cal for this time of year? Yes _∠_ No (If no	o, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circums	tances" present? Yes 🟒 No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain an	y 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	Is the Sampled Area within a Wetland?	Yes 🯒 No _
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-JJB-03
Remarks: (Explain alternative procedur	es here or in a separate rep	port)	
TRC covertype is PFO.			

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	ne is required; che	Secondary Indicators (minimum of two required)		
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	 	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living	Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Im</li> <li>Sparsely Vegetated Concave Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summer Summ</li></ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>		
Field Observations:				
Surface Water Present?	Yes 🖌 No 🔄	Depth (inches):	1	
Water Table Present?	Yes 🟒 No _	Depth (inches):	2	- Wetland Hydrology Present? Yes _∠_ No
Saturation Present?	Yes 🟒 No 🔄	Depth (inches):	0	
(includes capillary fringe)				-
Describe Recorded Data (stream g	auge, monitoring	well, aerial photos, previous insp	ections), if	available:

# Sampling Point: W-JJB-03; PFO-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
Carla cardiformic		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	6	(A)
. Carya cordiformis	25	Yes	FAC	Total Number of Dominant Species		
. <u>Fraxinus pennsylvanica</u>	10	Yes	FACW	Across All Strata:	6	(B)
				Percent of Dominant Species That	100	( ^ / □
·		·		Are OBL, FACW, or FAC:	100	(A/B
				Prevalence Index worksheet:		
·				- <u>Total % Cover of:</u>	<u>Multiply E</u>	<u>By:</u>
·	35	= Total Cov	er	- OBL species 0	x 1 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		10001 000		FACW species 43	x 2 =	86
. Ulmus americana	15	Yes	FACW	FAC species 52	x 3 =	156
. Staphylea trifolia	<u> </u>	Yes	FAC	- FACU species 0	x 4 =	0
3.	12	105	inc	- UPL species 0	x 5 =	0
		·		- Column Totals95	(A)	242 (E
·				Prevalence Index = B/A =	2.5	
				Hydrophytic Vegetation Indicators:		
 				1- Rapid Test for Hydrophytic	Vegetation	
·	27	= Total Cov	or	2 - Dominance Test is >50%		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				$\_ \checkmark$ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>		
. Fraxinus pennsylvanica	18	Yes	FACW	4 - Morphological Adaptations		upporti
. Geum aleppicum	15	Yes	FAC	- data in Remarks or on a separate s	-	
3. Poaceae	0	No	NI	Problematic Hydrophytic Vege		
1.		110	i Ni	- <sup>1</sup> Indicators of hydric soil and wetlar	, 0	y must l
5.		<u> </u>		present, unless disturbed or proble	ematic	
5.		<u> </u>		Definitions of Vegetation Strata:		
7.		<u> </u>		Tree – Woody plants 3 in. (7.6 cm) c breast height (DBH), regardless of h		lameter
3.		<u> </u>		Sapling/shrub – Woody plants less		BH and
).		<u> </u>		greater than or equal to 3.28 ft (1 n		Dirana
0.		·		Herb – All herbaceous (non-woody)		ardless
		·		size, and woody plants less than 3.2		
12.		·		Woody vines – All woody vines grea	iter than 3.2	28 ft in
	33	= Total Cov	er	height.		
Noody Vine Stratum (Plot size: <u>30 ft</u> )			C1	Hydrophytic Vegetation Present?	Yes 🟒 N	0
I.						
2.		·		-		
3.		·		-		
 1.		·		-		
··	0	= Total Cov	or	-		
	0		CI			

# Sampling Point: W-JJB-03; PFO-1

inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texti	ure	Remarks
0 - 4	10YR 2/1	100					Silt Lo		
4 - 14	10YR 7/2	75	7.5YR 5/6	10			Silty Clay		
4 - 14			10YR 4/1	15	D				
					<u> </u>				
								· .	
								· .	
								· .	
								· .	
	Concentration, D =	Depletio	on, RM = Reduced	d Matr	ix, MS =	Masked Sa	and Grains. <sup>2</sup> Lo		Lining, M = Matrix.
	Indicators:		<b>D</b>		<b>6</b>	o) // E= -		Indicators for Pr	roblematic Hydric Soils <sup>3</sup> :
_ Histoso	. ,		Polyvalue Be						A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2) listic (A3)		Thin Dark Su				49B)		e Redox (A16) <b>(LRR K, L, R)</b>
-	gen Sulfide (A4)		Loamy Gleye	-					Peat or Peat (S3) <b>(LRR K, L, R)</b>
	ed Layers (A5)		Depleted Ma					Dark Surface	
_	ed Below Dark Surf	ace (A11						,	elow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da						urface (S9) <b>(LRR K, L)</b>
Sandy I	Mucky Mineral (S1)		Redox Depre	ession	is (F8)				nese Masses (F12) (LRR K, L, R)
_ Sanay i									
-	Gleyed Matrix (S4)								oodplain Soils (F19) (MLRA 149B)
_ Sandy	-							Mesic Spodie	c (TA6) <b>(MLRA 144A, 145, 149B)</b>
_ Sandy _ Sandy	Gleyed Matrix (S4)							Mesic Spodie Red Parent M	c (TÁ6) <b>(MLRA 144A, 145, 149B)</b> Material (F21)
Sandy Sandy Strippe	Gleyed Matrix (S4) Redox (S5)							Mesic Spodie Red Parent M Very Shallow	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
_ Sandy _ Sandy _ Strippe _ Dark Si	Gleyed Matrix (S4) Redox (S5) ed Matrix (S6) urface (S7) <b>(LRR R, I</b>	MLRA 14	9B)					Mesic Spodio Red Parent M Very Shallow Other (Expla	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
_ Sandy _ Sandy _ Strippe _ Dark Si ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg	MLRA 14 getation	9B)	rology	/ must be	e present,	unless disturbe	Mesic Spodio Red Parent M Very Shallow Other (Expla	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
_ Sandy _ Sandy _ Strippe _ Dark Si ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed</b> )	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Su	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	9B)	rology	/ must be		unless disturbe bil Present?	Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12)
_ Sandy _ Sandy _ Strippe _ Dark Su	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg <b>Layer (if observed</b> )	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rologj	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Si adicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology -	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology -	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology -	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Su dicators strictive	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rology -	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Si adicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	/ must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Si ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Si ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	y must be			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rologj	<u>y must be</u>			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Si ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rologj	<u>y must be</u>			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Si ndicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rolog	<u>y must be</u>			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)
_ Sandy _ Sandy _ Strippe _ Dark Sundicators	Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) <b>(LRR R, I</b> of hydrophytic veg Layer (if observed) Type:	MLRA 14 getation	<b>9B)</b> and wetland hyd	rologj	<u>y must be</u>			Mesic Spodic Red Parent M Very Shallow Other (Expla d or problematic.	c (TA6) <b>(MLRA 144A, 145, 149B)</b> Material (F21) v Dark Surface (TF12) in in Remarks)

Hydrology Photos



Vegetation Photos



US Army Corps of Engineers

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

Project/Site: Excelsion			City/County: Byron,	Genesee	County		Sampling Date	: 2019-May-29
Applicant/Owner: N	lextEra				State:	New York	Sampling Point:	W-JDV-06; PSS-1
Investigator(s):	/andeveer, IB	D		Sect	ion, Towns	hip, Range:		
Landform (hillslope, te	rrace, etc.):	Depression	Lo	cal relief	(concave, o	convex, none)	: Concave	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR	L		Lat:	43.085926	56 Long	: -78.0910932	Datum: WGS84
Soil Map Unit Name:	Wakeville si	t loam					NWI classifi	cation: PUB
Are climatic/hydrologic	c conditions o	n the site typical	for this time of year?		Yes 🖌	_ No (If r	no, explain in Rema	arks.)
Are Vegetation,	Soil,	or Hydrology	significantly distur	rbed?	Are "N	ormal Circum	stances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally problem	atic?	(If need	ded, explain a	ny answers in Rem	ıarks.)

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes 🟒 No Yes 🟒 No	Is the Sampled Area within a Wetland?	Yes 🧹 No
Wetland Hydrology Present?	Yes No	i If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedur	es here or in a separate re	port)	
TRC covertype is PSS.			

Wetland Hydrology Indicators:						
Primary Indicators (minimum of one	is required; check all the	<u>at apply)</u>		Secondary Indicators (minimum of two required)		
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Aquatic l Marl Dep Hydroge	ained Leaves (B9) Fauna (B13) posits (B15) n Sulfide Odor (C1) I Rhizospheres on Living Rod	ots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>		
<ul> <li> Drift Deposits (B3)</li> <li>✓ Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Imag</li> <li> Sparsely Vegetated Concave Surf</li> </ul>	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>					
Field Observations:						
Surface Water Present?	Yes No 🟒	Depth (inches):				
Water Table Present?	Yes 🟒 No	 Depth (inches):	9	- Wetland Hydrology Present? Yes _∠_ No		
Saturation Present?	Yes 🟒 No	 Depth (inches):	4			
(includes capillary fringe)						
Describe Recorded Data (stream gau	uge, monitoring well, aer	ial photos, previous inspect	tions), if	available:		

Sampling Point: W-JDV-06; PSS-1

Free Stratum (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
				- Total Number of Dominant Species		
				Across All Strata:	1	(B)
-				Percent of Dominant Species That	100	(A/B)
				Are OBL, FACW, or FAC:		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				<ul> <li>Prevalence Index worksheet:</li> </ul>		
				- <u>Total % Cover of:</u>	<u>Multiply E</u>	•
·		= Total Cov	er	- OBL species 15	x 1 =	15
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		-		FACW species 75	x 2 =	150
. Cornus amomum	75	Yes	FACW	FAC species 8	x 3 =	24
. Salix nigra	15	No	OBL	- FACU species 0	x 4 =	0
Frangula alnus		No	FAC	- UPL species 0	x 5 =	0
				- Column Totals98	(A)	189 (B
				Prevalence Index = B/A =	1.9	
				- Hydrophytic Vegetation Indicators:		
·				1- Rapid Test for Hydrophytic	Vegetation	
·	98	= Total Cov	er	2 - Dominance Test is >50%		
<u>erb Stratum</u> (Plot size: <u>5 ft</u> )		-		$\checkmark$ 3 - Prevalence Index is $\leq 3.0^{1}$		
				4 - Morphological Adaptations		upportin
·				data in Remarks or on a separate sl		
				Problematic Hydrophytic Vege		-
·				- <sup>1</sup> Indicators of hydric soil and wetlar		y must b
·				present, unless disturbed or proble	ematic	
				_ Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) o		iameter a
				breast height (DBH), regardless of h		
				Sapling/shrub – Woody plants less t greater than or equal to 3.28 ft (1 m		BH and
				Herb – All herbaceous (non-woody)		ardlace o
0				size, and woody plants less than 3.2		al uless o
1				Woody vines – All woody vines grea		28 ft in
2				- height.		-010111
	0	= Total Cov	er	Hydrophytic Vegetation Present?	Voc / N	0
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic vegetation Present?		0
·				-		
				_		
3				_		
				_		
ł	0	= Total Cov	er			

Depth	-		-			ndicator or cor	firm the abs	sence of indicator	5.)
(inchoc)	Matrix	04	Redox			1052	Toytu	-	Demorke
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Textur		Remarks
0-3	10YR 4/3	100	2 57 5 (2				Silt Loa		
3-8	10YR 4/2	97	2.5Y 5/3	<u>-</u>	<u> </u>	<u>M</u>	Silty Clay		
8 - 15	10YR 5/2	95	10YR 6/1	5	D	M	Silty Clay	Loam	
						<u> </u>			
					·	<u> </u>			
		·							
	Concentration, D =	Depletic	on, RM = Reduced	Mat	rix, MS =	Masked Sand G			Lining, M = Matrix.
Hydric Soil I								Indicators for Pro	oblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be					2 cm Muck (A	10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su					Coast Prairie	Redox (A16) <b>(LRR K, L, R)</b>
Black Hi	en Sulfide (A4)		Loamy Muck					-	Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma					Dark Surface	
	d Below Dark Surfa	ace (A11	'					-	ow Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	rk Sui	face (F7)				rface (S9) <b>(LRR K, L)</b>
Sandy N	lucky Mineral (S1)		Redox Depre					0	ese Masses (F12) (LRR K, L, R)
Sandy G	Gleyed Matrix (S4)								odplain Soils (F19) <b>(MLRA 149B)</b> (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy R	Redox (S5)							Red Parent N	
Stripped	d Matrix (S6)								Dark Surface (TF12)
Dark Su	rface (S7) <b>(LRR R, N</b>	ILRA 14	9B)					Other (Explai	
	- 6 h	otation	and wotland hyd	rolom	(must be	procent uplo	c disturbad		,
Indicators		elation	and wettand flyd	ulog.	y must be	e present, unie:	s uistui beu	or problematic.	
	of hydrophytic veg								
Restrictive L	Layer (if observed):		Nono			Lludric Coil Dr	acont?	· · · · · · · · · · · · · · · · · · ·	loc ( No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	_		Hydric Soil Pr	esent?	Ŷ	∕es∕ No
Restrictive L	Layer (if observed):		None	-		Hydric Soil Pr	esent?	Y	′es∕_ No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	<u>-</u>		Hydric Soil Pr	esent?	Y	′es _∠_ No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	′es _∠_ No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	¥	′es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None			Hydric Soil Pr	esent?	¥	′es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	′es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	′es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	¥	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	_		Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None			Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None			Hydric Soil Pr	esent?	Y	/es No
Restrictive I	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es No
Restrictive l	L <b>ayer (if observed)</b> : Type:		None	_		Hydric Soil Pr	esent?	Y	/es _/_ No
Restrictive I	L <b>ayer (if observed)</b> : Type:		None	_		Hydric Soil Pr	esent?	Y	/es _∠_ No
Restrictive I	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es No
Restrictive L	L <b>ayer (if observed)</b> : Type:		None	-		Hydric Soil Pr	esent?	Y	/es _∠_ No

Soil Photos



Photo of Sample Plot

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC





Project/Site: Excelsior		City/County: Elba, Genesee						Sampling Date: 2019-June-05		
Applicant/Owner: N	NextEra State: NY						Sampling Point: W-JJB-19; PFO-1			
Investigator(s): Jake	Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range:									
Landform (hillslope, ter	rrace, etc.):	Swamp		Local reli	ef (concave	e, convex	, none):	Flat	Slope (%): 1-10	
Subregion (LRR or MLR	A): LRR L			La	t: 43.0585	273868	Long:	-78.1040480454	Datum: WGS84	
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 perce	ent slopes					NWI classifica	ation: PFO1B	
Are climatic/hydrologic	conditions on	the site typical fo	r this time of ye	ar?	Yes	No	🟒 (lf no,	explain in Remark	s.)	
Are Vegetation,	Soil,	or Hydrology	significantly dis	sturbed?	Are '	Normal (	Circums	tances" present?	Yes 🟒 No	
Are Vegetation,	Soil,	or Hydrology	naturally probl	lematic?	(lf ne	eded, ex	plain an	y answers in Rema	rks.)	

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-19
Remarks: (Explain alternative procedures he	ere or in a separate report	)	
TRC covertype is PFO. Wetter than average y	/ear		

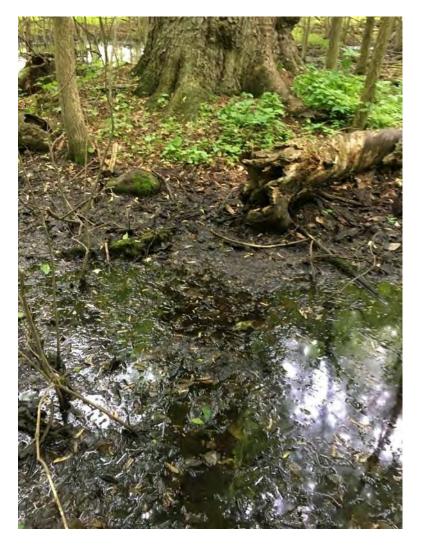
Wetland Hydrology Indicators:				
Primary Indicators (minimum of o	ne is required; check all	<u>that apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>✓ Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl I Hydro	-Stained Leaves (B9) .ic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living	g Roots (C3)	<ul> <li> Surface Soil Cracks (B6)</li> <li> Drainage Patterns (B10)</li> <li> Moss Trim Lines (B16)</li> <li> Dry-Season Water Table (C2)</li> <li> Crayfish Burrows (C8)</li> <li> Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li> Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Im</li> <li> Sparsely Vegetated Concave Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Summary Sum</li></ul>	Recer Thin M nagery (B7) Other	nce of Reduced Iron (C4) It Iron Reduction in Tilled S Auck Surface (C7) (Explain in Remarks)	Goils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	3	
Water Table Present?	Yes 🟒 No	Depth (inches):	8	- Wetland Hydrology Present? Yes _∠_ No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	-
(includes capillary fringe)				-
Describe Recorded Data (stream g	zauge, monitoring well, a	aerial photos, previous ins	pections), if	available:

Sampling Point: W-JJB-19; PFO-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	7	
. Acer saccharinum	45	Yes	FACW	Are OBL, FACW, or FAC:	/	(A)
. Acer rubrum	30	Yes	FAC	Total Number of Dominant Species	7	(B)
. Ulmus americana	25	Yes	FACW	Across All Strata:	, 	(D)
				Percent of Dominant Species That	100	(A/B)
				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		
				Total % Cover of:	<u>Multiply B</u>	-
		= Total Cov	er	- OBL species 20	x 1 =	20
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FACW species 85	x 2 =	170
. Fraxinus pennsylvanica	15	Yes	FACW	FAC species 55	x 3 =	165
· _ · _ ·				FACU species 0	x 4 =	0
				UPL species 0	x 5 =	0
·				- Column Totals 160		355 (B)
·				Prevalence Index = B/A =	2.2	
				Hydrophytic Vegetation Indicators:		
		·		1- Rapid Test for Hydrophytic	Vegetation	
·	15	= Total Cov	or	∠_ 2 - Dominance Test is >50%		
erb Stratum (Plot size: <u>5 ft</u> )	15			$▲$ 3 - Prevalence Index is $\le 3.0^1$		
. <i>Glyceria striata</i>	20	Yes	OBL	4 - Morphological Adaptations	s <sup>1</sup> (Provide s	upportin
	15	Yes	FAC	data in Remarks or on a separate s		
	10	Yes		- Problematic Hydrophytic Vege		
	10	res	FAC	<sup>1</sup> Indicators of hydric soil and wetlar		/ must b
·		·		present, unless disturbed or proble	ematic	
		<u> </u>		Definitions of Vegetation Strata:		
		<u> </u>		Tree – Woody plants 3 in. (7.6 cm) c		ameter a
		<u> </u>		breast height (DBH), regardless of h	-	
		<u> </u>		Sapling/shrub – Woody plants less		SH and
		·		greater than or equal to 3.28 ft (1 n Herb – All herbaceous (non-woody)		rdlocc o
0		·		size, and woody plants less than 3.		il uless o
1		<u> </u>		Woody vines – All woody vines grea		8 ft in
2		<u> </u>		height.		o it ili
	45	= Total Cov	er	Hydrophytic Vegetation Present?	Voc / No	
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Tydrophytic vegetation Present:		, <u> </u>
·				-		
<u> </u>				-		
3				_		
l				_		
	0	= Total Cov	er			

Histosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 c         Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       Co         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 c         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Da         Stratified Layers (A5)       Depleted Matrix (F3)       Poil         ✓ Depleted Below Dark Surface (A11) ✓ Redox Dark Surface (F6)       Thin       Thin         Thick Dark Surface (A12)       Depleted Dark Surface (F7)       Iro         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Pie         Sandy Redox (S5)       Stripped Matrix (S6)       Vei	Remarks
11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/1       90       10YR 5/8       10       C       M       Clay Loam         11 - 16       10YR 5/8       10       10YR 5/8       10       10YR 5/8       10YR 5/8       10YR 5/8       10YR 5/8       10YE         Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains.       *Location:       Indicat         Histic Soil Indicators:	ors for Problematic Hydric Soils <sup>3</sup> :
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. <sup>2</sup> Location:         Hydric Soil Indicators:       Indicat         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 cc         Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       Co         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cc         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Da         Stratified Layers (A5)       Depleted Matrix (F3)       Polepleted Below Dark Surface (F6)       Thin Cark Surface (F7)         Thick Dark Surface (A12)       Depleted Dark Surface (F7)       Thin Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Pie         Sandy Redox (S5)       Stripped Matrix (S6)       Re       Re       Re         Stripped Matrix (S6)       Or Prov       Re       Re       Velocity	ors for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicat         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2 c         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Co.         Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      S c        Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      Da        Stratified Layers (A5)      Depleted Matrix (F3)      Da        Z Depleted Below Dark Surface (A11)./       Redox Dark Surface (F6)      Thin        Thick Dark Surface (A12)      Depleted Dark Surface (F7)      Thin        Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Iro        Sandy Redox (S5)	ors for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators:       Indicat         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2 c         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Co.         Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      S c         Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      Da         Stratified Layers (A5)      Depleted Matrix (F3)      Da         ✓ Depleted Below Dark Surface (A11) / Redox Dark Surface (F6)      Thin      Thin	ors for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicat         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2 c         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Co.         Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      S c        Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      Da        Stratified Layers (A5)      Depleted Matrix (F3)      Da        Z Depleted Below Dark Surface (A11)./       Redox Dark Surface (F6)      Thin        Thick Dark Surface (A12)      Depleted Dark Surface (F7)      Thin        Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Iro        Sandy Redox (S5)	ors for Problematic Hydric Soils <sup>3</sup> :
ydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
ydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicat         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2 c         Histosol (A1)      Polyvalue Below Surface (S9) (LRR R, MLRA 149B)      Co.         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Co.        Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      S c        Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      Da        Stratified Layers (A5)      Depleted Matrix (F3)      Da        Opeleted Below Dark Surface (A11)./_       Redox Dark Surface (F6)      Thin        Thick Dark Surface (A12)      Depleted Dark Surface (F7)      Thin	ors for Problematic Hydric Soils <sup>3</sup> :
ydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
ydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
ydric Soil Indicators:       Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 c         Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       Co         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 c         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Da         Stratified Layers (A5)       Depleted Matrix (F3)       Poil         Zertified Below Dark Surface (A11) ✓       Redox Dark Surface (F6)       Thin         Thick Dark Surface (A12)       Depleted Dark Surface (F7)       Iro         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Pie         Sandy Redox (S5)       Stripped Matrix (S6)       Vei         Dark Surface (C7) (LBR B, MLBA 140B)       Vei	-
	n Muck (A10) (I RR K I MI PA 1/0R)
	st Prairie Redox (A16) <b>(LRR K, L, R)</b>
Stratified Layers (A5)Depleted Matrix (F3)Po <pre> Depleted Below Dark Surface (A11)&lt; Redox Dark Surface (F6) Thi  Thick Dark Surface (A12) Depleted Dark Surface (F7) Iro  Sandy Mucky Mineral (S1) Redox Depressions (F8) Pie  Sandy Gleyed Matrix (S4) Me  Sandy Redox (S5) Redox (S5) Redox Surface (S7) (LPD P. MURA 140P) Vent  Sandy Surface (S7) (LPD P. MURA 140P) Vent  Sandy Surface (S7) (LPD P. MURA 140P) Vent  Sandy Surface (S7) (LPD P. MURA 140P) Vent  Sandy Surface (S7) (LPD P. MURA 140P) Vent  Sandy Surface (S7) (LPD P. MURA 140P) Sandy Surface (S7) (LPD P. MURA 140P)</pre>	n Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b> k Surface (S7) <b>(LRR K, L)</b>
Depleted Below Dark Surface (A11) / Redox Dark Surface (F6)     Thi     Thick Dark Surface (A12) _ Depleted Dark Surface (F7) _ Iro     Sandy Mucky Mineral (S1) _ Redox Depressions (F8) _ Pie     Sandy Gleyed Matrix (S4) _ Me     Sandy Redox (S5) _ Rei     Stripped Matrix (S6) _ Vei     Dark Surface (S3) (IPP P, MIRA 140P) _ Vei	value Below Surface (S8) (LRR K, L)
Inick Dark Surface (A12) Depieted Dark Surface (F7) Iro Sandy Mucky Mineral (S1) Redox Depressions (F8) Pie Sandy Gleyed Matrix (S4) Me Sandy Redox (S5) Rei Stripped Matrix (S6) Vei Dark Surface (S7) (LRR P. MLRA 140P) Vei	n Dark Surface (S9) <b>(LRR K, L)</b>
Sandy Gleyed Matrix (S4)Me Sandy Redox (S5)Re Stripped Matrix (S6)Re Stripped Matrix (S6)Ve	-Manganese Masses (F12) <b>(LRR K, L, R)</b>
Sandy Redox (S5)Redox (S5)Redox (S6)Vel	lmont Floodplain Soils (F19) (MLRA 149B)
Stripped Matrix (S6)Ve	sic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Dark Surface (S7) (I DD D MI DA 140D)	Parent Material (F21)
	/ Shallow Dark Surface (TF12)
	er (Explain in Remarks)
ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pro	lematic.
testrictive Layer (if observed):	
Type: Hard pan Hydric Soil Present?	Yes 🟒 No
Depth (inches): 16 emarks:	

Hydrology Photos

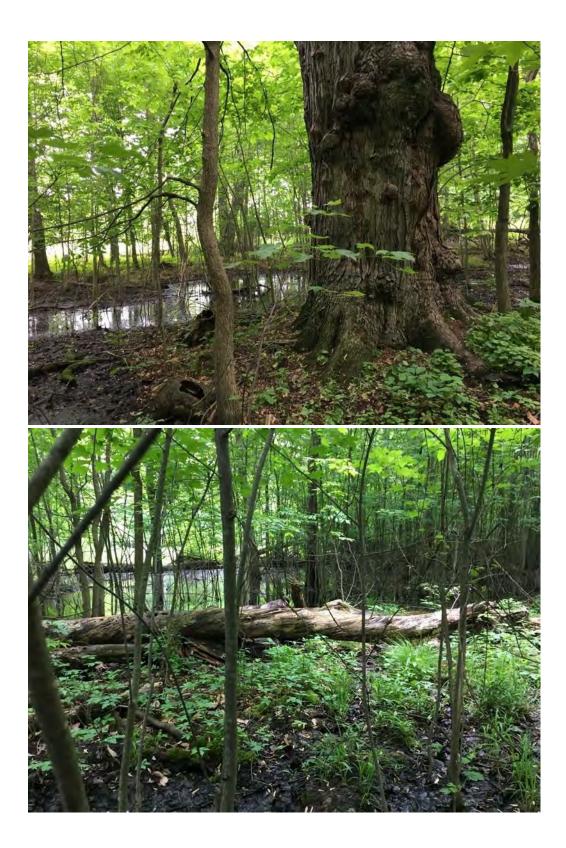


Soil Photos



US Army Corps of Engineers

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC



Project/Site: Excelsion			City/C	ounty: Byron, Gen	esee County		Sampling Dat	te: 2019-May-31
Applicant/Owner: N	lextEra				State:	New York	Sampling Point	t: W-JDV-13; UPL-1
Investigator(s):	Vandeveer	, IBP			Section, Towns	ship, Range:		
Landform (hillslope, te	rrace, etc.	):	Swale	Local r	elief (concave,	convex, non	e): Concave	Slope (%): 1-10
Subregion (LRR or MLF	RA): L	.RR L			Lat: 43.06816	71 Lor	ng: -78.1112122	Datum: WGS84
Soil Map Unit Name:	Appletor	n silt lo	am, 0 to 3 percent	slopes			NWI class	sification: please check
								this
Are climatic/hydrologic	c conditior	is on t	he site typical for th	is time of year?	Yes 🟒	_ No (If	<sup>-</sup> no, explain in Rer	marks.)
Are Vegetation,	Soil,	or	Hydrology sig	nificantly disturbed	? Are "N	ormal Circu	mstances" present	t? Yes 🟒 No
Are Vegetation,	Soil,	or	<sup>-</sup> Hydrology na	turally problematic	? (If nee	ded, explain	any answers in Re	emarks.)

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No 🟒		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No 🟒	lf yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Area is upland, not all t	hree wetland parameter	s are present.	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one	e is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1)	Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8)
<ul> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sur</li> </ul>		4) Stunted or Stressed Plants (D1)
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 _	
(includes capillary fringe)		
Describe Recorded Data (stream ga	uge, monitoring well, aerial photos, previous	inspections), if available:
Remarks: No positive indication of wetland hy	drology was observed.	

L

1

Sampling Point: W-JDV-13; UPL-1

T <u>ree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant Are OBL, FACW, or FAC	Species That	1	(A)
2		·		Total Number of Domi		3	(B)
3		·		<ul> <li>Percent of Dominant S</li> <li>Are OBL, FACW, or FAC</li> </ul>		33.3	(A/B)
5				Prevalence Index work			
				Total % Cover	of:	Multiply I	By:
7				- OBL species	0	x 1 =	0
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	8	x 3 =	24
. Populus deltoides	8	Yes	FAC	FACU species	100	x 4 =	400
2				UPL species	0	x 5 =	0
3.				Column Totals	108	(A)	424 (B)
ł				-			424 (D)
					ndex = B/A =		
i.				Hydrophytic Vegetatio			
7.				1- Rapid Test for		/egetation	
·	8	= Total Cove	٥r	2 - Dominance Te	est is > 50%		
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u> )		-	-1	3 - Prevalence Inc	dex is $\leq 3.0^1$		
. Dactylis glomerata	50	Yes	FACU	4 - Morphologica			supporting
. Dipsacus fullonum	25	Yes	FACU	- data in Remarks or on	a separate sh	neet)	
1				Problematic Hyd			
3. Alliaria petiolata		No	FACU	Indicators of hydric so		, ,	gy must be
4. Solidago canadensis	10	No	FACU	present, unless distur	ped or proble	matic	
5. Arctium minus	5	No	FACU	Definitions of Vegetati	on Strata:		
5				Tree – Woody plants 3	in. (7.6 cm) oi	r more in c	liameter a
7				breast height (DBH), re	egardless of h	eight.	
3				Sapling/shrub - Wood			BH and
)				greater than or equal t			
l0				Herb – All herbaceous	-		ardless of
11				size, and woody plants			
2.				Woody vines – All woo	dy vines great	ter than 3.	28 ft in
		= Total Cove	er	height.			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> ) 1.		-		Hydrophytic Vegetatio	on Present?	Yes N	0 🖌
				-			
<u></u>				-			
3				-			
4		<u> </u>		-			
	0	= Total Cove	er				

	Color (moist)	%	Color (moist)	% 1	Type1	Loc <sup>2</sup> Textu	e	Remarks
0 - 14	10YR 4/4	100				Silt Loa	am	
·		·		·				
·		·		·				
:		·		·				
		·						
pe: C = C	oncentration, D = l	Depletic	n, RM = Reduced	Matrix	, MS = I	Masked Sand Grains.	<sup>2</sup> Location: PL = Por	re Lining, M = Matrix.
dric Soil I	ndicators:						Indicators for I	Problematic Hydric Soils <sup>3</sup> :
Black His Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R	en Sulfide (A4) d Layers (A5) d Below Dark Surfa ark Surface (A12) fucky Mineral (S1) ileyed Matrix (S4) edox (S5)	ace (A11	Loamy Mucky Loamy Gleye Depleted Ma	y Miner d Matri trix (F3) surface k Surfa	ral (F1) ( ix (F2) ) (F6) ace (F7)		5 cm Muck Dark Surfa Polyvalue E Thin Dark S Iron-Manga Piedmont F	ie Redox (A16) (LRR K, L, R) y Peat or Peat (S3) (LRR K, L, R) ce (S7) (LRR K, L) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) anese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) lic (TA6) (MLRA 144A, 145, 149B)
	rface (S7) <b>(LRR R, N</b>						Very Shallo Other (Exp	w Dark Surface (TF12) lain in Remarks)
_ Dark Sur dicators o	rface (S7) <b>(LRR R, N</b>	etation a		ology r	must be	e present, unless distur	Very Shallo Other (Exp	w Dark Surface (TF12) lain in Remarks)
_ Dark Sun indicators of strictive L	rface (S7) <b>(LRR R, N</b> of hydrophytic veg	etation a		ology r	must be	e present, unless distur Hydric Soil Present?	Very Shallo Other (Exp bed or problematio	w Dark Surface (TF12) lain in Remarks)

Photo of Sample Plot





Project/Site: Excelsion		City/	<b>/County:</b> Byron, Ger	nesee			Sampling Date:	2019-June-12
Applicant/Owner: N	lextEra				State: NY		Sampling Point:	W-JJB-33; UPL-1
Investigator(s): Jake	Brillo, Isaac Pa	allant		Section,	Township, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local	relief (con	cave, convex	, none):	Flat	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR I	-		Lat: 43.0	)569898105	Long:	-78.0894565769	Datum: WGS84
Soil Map Unit Name:	Lamson very	fine sandy loam					NWI classific	cation:
Are climatic/hydrologi	c conditions or	the site typical for t	his time of year?	Ye	es No	∠ (If no	, explain in Remar	ks.)
Are Vegetation,	Soil,	or Hydrology si	ignificantly disturbed	d? /	Are "Normal (	Circums	tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology n	aturally problemation	:? (	lf needed, ex	plain ar	y answers in Rem	arks.)

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JJB-33; UPL-1

<u> Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
·		·		- Total Number of Dominant Species	2	(B)
3 4				<ul> <li>Percent of Dominant Species That</li> <li>Are OBL, FACW, or FAC:</li> </ul>	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: <u>15 ft</u> )				FAC species 0	x 3 =	0
1				- FACU species 105	x 4 =	420
2				- UPL species 0	x 5 =	0
3				- Column Totals 105	(A)	420 (B)
4						420 (D)
5				Prevalence Index = B/A =	4	
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	Vegetatio	٦
	0	= Total Cov	er	2 - Dominance Test is > 50%		
Herb Stratum (Plot size: <u>5 ft</u> )		-		3 - Prevalence Index is $≤ 3.0^1$		
1. Plantago major	60	Yes	FACU	4 - Morphological Adaptations		supporting
2. Poa pratensis	45	Yes	FACU	- data in Remarks or on a separate s		
				- Problematic Hydrophytic Vege	-	
				<sup>1</sup> Indicators of hydric soil and wetlar	-	ogy must be
4				_ present, unless disturbed or proble	ematic	
5				_ Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) c		diameter a
7				breast height (DBH), regardless of l	-	
8				Sapling/shrub – Woody plants less		DBH and
9				greater than or equal to 3.28 ft (1 n		
10				Herb – All herbaceous (non-woody)		gardless of
11		<u> </u>		size, and woody plants less than 3.		
12				Woody vines – All woody vines grea	iter than 3	3.28 ft in
		= Total Cov	er	height.		
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Present?	Yes I	No 🔽
1.						
2.		·		-		
3.				-		
4.		· ·		-		
····	0	= Total Cov	or	-		
	0		C1			

nches) Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 7 10YR 3/2	100					Loam		
					<u> </u>			
·					<u> </u>			
be: C = Concentration, D	= Depletio	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> L		Pore Lining, M = Matrix.
ric Soil Indicators:							Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Histic Epipedon (A2)		Polyvalue Bel						ick (A10) <b>(LRR K, L, MLRA 149B)</b>
Black Histic (A3)		Loamy Mucky						airie Redox (A16) (LRR K, L, R)
Hydrogen Sulfide (A4)		Loamy Gleye			(			icky Peat or Peat (S3) (LRR K, L, R)
Stratified Layers (A5)		Depleted Ma						face (S7) <b>(LRR K, L)</b> e Below Surface (S8) <b>(LRR K, L)</b>
Depleted Below Dark Su	face (A11	/		. ,			-	'k Surface (S9) <b>(LRR K, L)</b>
Thick Dark Surface (A12)		Depleted Dar						nganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1		Redox Depre	ssior	ns (F8)				nt Floodplain Soils (F19) <b>(MLRA 149</b> B
Sandy Gleyed Matrix (S4								odic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy Redox (S5)								ent Material (F21)
-								
Stripped Matrix (S6)							Very Sha	allow Dark Surface (TF12)
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b>	MLRA 14	9B)					-	illow Dark Surface (TF12) xplain in Remarks)
Stripped Matrix (S6)			rolog	y must b	e presen	t, unless disturbe	Other (E	xplain in Remarks)
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b>	getation		rolog	y must b	e presen	t, unless disturbe	Other (E	xplain in Remarks)
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve	getation		rolog	y must b	İ	t, unless disturbe Soil Present?	Other (E	xplain in Remarks)
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve trictive Layer (if observed Type:	getation	and wetland hydr	rolog	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>icators of hydrophytic ve</u> <b>rictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	rolog	y must b	İ		Other (E	xplain in Remarks) atic.
itripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	rolog	y must bi	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>icators of hydrophytic ve</u> <b>rictive Layer (if observed</b> Type: <u>Depth (inches):</u>	getation	and wetland hydr Rocks	<u>-</u>	y must b	İ		Other (E	xplain in Remarks) atic.
itripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> cators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	rolog	y must bi	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	rolog	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>icators of hydrophytic ve</u> <b>rictive Layer (if observed</b> Type: <u>Depth (inches):</u>	getation	and wetland hydr Rocks	<u>-</u>	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> icators of hydrophytic ve <b>rictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>icators of hydrophytic ve</u> <b>rictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	- -	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>icators of hydrophytic ve</u> trictive Layer (if observed Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>icators of hydrophytic ve</u> trictive Layer (if observed Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> <u>licators of hydrophytic ve</u> <b>trictive Layer (if observed</b> Type:	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve <b>trictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks		y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve <b>trictive Layer (if observed</b> Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.
Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R,</b> licators of hydrophytic ve trictive Layer (if observed Type: Depth (inches):	getation	and wetland hydr Rocks	-	y must b	İ		Other (E	xplain in Remarks) atic.

Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Excelsion		City/C	County: Byron, Gene	esee	Sampling Date: 2019-June-05					
Applicant/Owner: N	lextEra			State: NY		Sampling Point: W-JJB-17; UPL-2				
Investigator(s): Jake	Brillo, Nick De	John		Section, Township, R	ange:					
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local r	elief (concave, conve	k, none):	Flat	Slope (%): 1-10			
Subregion (LRR or MLRA): LRR L				Lat: 43.0635264377	Long:	-78.0985303224	Datum: WGS84			
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 percent s	slopes			NWI classific	ation:			
Are climatic/hydrologic	c conditions or	n the site typical for th	is time of year?	Yes No	🖌 (lf no	, explain in Remarl	кs.)			
Are Vegetation,	Soil,	or Hydrology sig	gnificantly disturbed	? Are "Normal	Circums	stances" present?	Yes No 🟒			
Are Vegetation,	Soil,	or Hydrology na	turally problematic?	lf needed, ex	kplain ar	ny answers in Rem	arks.)			

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	Secondary Indicators (minimum of two required)	
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspections), if	available:

Sampling Point: W-JJB-17; UPL-2

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test work Number of Dominant Are OBL, FACW, or FAC	Species That	0	(A)
1				Total Number of Dom			
2				Across All Strata:	indire opecies	0	(B)
3				Percent of Dominant	Species That		(1.17)
4				Are OBL, FACW, or FAC			(A/B)
5				- Prevalence Index worl	ksheet:		
6				- Total % Cove	<u>r of:</u>	<b>Multiply</b>	By:
7				- OBL species	0	x 1 =	0
	0	= Total Cover		FACW species	0	x 2 =	0
<u>Sapling/Shrub Stratum</u> (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	0	(A)	0 (B)
4.						(A) _	U (B)
5.					ndex = B/A =		
6.				<ul> <li>Hydrophytic Vegetatic</li> </ul>			
7.				1- Rapid Test for		/egetatior	1
· · · · · · · · · · · · · · · · · · ·	0	= Total Cover		2 - Dominance Te			
Herb Stratum (Plot size: <u>5 ft</u> )				3 - Prevalence In			
·				4 - Morphologica			supporting
1 2.				— data in Remarks or on	•		
2 3.		<u> </u>		Problematic Hyd			
		· ·		<sup>1</sup> Indicators of hydric s			gy must be
4		·······		present, unless distur	-	matic	
5				Definitions of Vegetation			
6				Tree – Woody plants 3			diameter at
7	<u> </u>			breast height (DBH), r			
8				Sapling/shrub - Wood			OBH and
9				greater than or equal			
10				Herb – All herbaceous			gardless of
11				size, and woody plant			
12.				Woody vines – All woo	ody vines grea	ter than 3	.28 ft in
	0	= Total Cover		height.			
Woody Vine Stratum (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetati	on Present?	Yes N	No 🔽
1.							
2.				—			
3.		·		—			
				—			
4		<u> </u>		—			
4	0	= Total Cover					

Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox (S5)         Stratifice C (S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Popth (inches):       5		Matrix		Redox	Features		confirm the abso	
0 - 5       10YR 4/3       100	(inches)	Color (moist)	%	Color (moist)	% Typ	e <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stripped Matrix (S6)       Redox Depresent, unless disturbed or problematic.         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Other (Explain in Remarks)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         testrictive Layer (if observed):       Type:         Type:       Rocks         Depth (inches):       5	0 - 5	10YR 4/3	100				Silt Loam	
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Dark Surface (S7) (LRR R, MLRA 149B)       Redox Depressions (F8)         Sandy Redox (S5)       Redox Depressions (F8)         Stripped Matrix (S6)       Red Parent Material (F21)         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.       Other (Explain in Remarks)         Indicators of hydrophytic vegetation and wetland hydrology must be present?       Yes No          Type:       Rocks       Hydric								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Dark Surface (S7)       Redox Depressions (F8)         Sandy Redox (S5)       Redox Depressions (F8)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Type:       Rocks         Depth (inches):       5								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Other (Explain in Remarks)       Piedmont Floodplain Soils (F12) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Hindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Indicators of hydrophytic vegetation and wetland hydrology must be present?       Yes _ No _         Type: <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stratifice (S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Type:       Rocks         Depth (inches):       5								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox (S5)         Stratifice C (S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Popth (inches):       5								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stratifice C(S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Type:       Rocks         Depth (inches):       5								
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)       Doleked Matrix (F3)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Thick Dark Surface (A12)       Depleted Dark Surface (F7)       Thin Dark Surface (S9) (LRR K, L, R)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Piedmont Floodplain Soils (F19) (MLRA 149E)         Sandy Redox (S5)       Red Parent Material (F21)       Very Shallow Dark Surface (TF12)         Dark Surface (S7) (LRR M, MLRA 149B)       Qtery Shallow Dark Surface (TF12)       Other (Explain in Remarks)         alndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes No/         Restrictive Layer (if observed):       5       Yes No/         Type:       So       5       Yes No/	<u> </u>							
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox (S5)         Stratifice C (S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Popth (inches):       5			<u> </u>					
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox (S5)         Stratifice C (S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Popth (inches):       5	<u> </u>							
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stratifice C(S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Type:       Rocks         Depth (inches):       5								·
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         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 Redox (S5)       Redox Depressions (F8)         Stratifice (S7) (LRR R, MLRA 149B)       Mesic Spodic (TA6) (MLRA 144A, 145, 149B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         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:         Type:       Rocks         Depth (inches):       5		Oncentration D = [	)enletic	n RM = Reduced	Matrix M	S = Masked San	d Grains 21 oc	ation: PI = Pore Lining M = Matrix
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, R)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Piedmont Floodplain Soils (F19) (MLRA 149E)         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)       Very Shallow Dark Surface (TF12)         Other (Explain in Remarks)       Uthic foiserved):       Other (Explain in Remarks)         Type:       Rocks       Hydric Soil Present?       Yes No/				n, nin = neuuceu	.viati iA, IVI.			
Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)	-			Polvvalue Be	low Surfac	e (S8) <b>(LRR R</b> . M	DA 140D)	-
Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)		. ,					יסר	
Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)      Depleted Matrix (F3)      Depleted Below Dark Surface (A11)Redox Dark Surface (F6)      Depleted Dark Surface (F7)		. ,						
						2)		· · · · · · · · · · · · · · · · · · ·
			co (A11			<b>`</b>	-	Polyvalue Below Surface (S8) (LRR K, L)
								-
	Sandy C	Gleyed Matrix (S4)						
	Sandy F	Redox (S5)						
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):								
Restrictive Layer (if observed):     Rocks       Type:     Rocks       Depth (inches):     5	Dark Su	rface (S7) <b>(LRR R, M</b>	ILRA 149	9B)				-
Type:     Rocks     Hydric Soil Present?     Yes No       Depth (inches):     5	<sup>3</sup> Indicators	of hydrophytic vege	etation	and wetland hydr	ology mus	st be present, ur	less disturbed o	or problematic.
Depth (inches): 5	Restrictive	Layer (if observed):						
		Туре:		Rocks		Hydric Soil	Present?	Yes No 🟒
Remarks:		Depth (inches):		5				
		Туре:				Hydric Soil	Present?	Yes No _∠



Soil Photos

Photo of Sample Plot



Project/Site: Excelsion			City/County: Byron, Ge	enesee	County		Sampling Date	2019-May-29	
Applicant/Owner: N	lextEra				State:	New York	Sampling Point: W-JDV-05; PFO-1		
Investigator(s): Jeff	Vandeveer, IBF	)		Sect	tion, Towns	hip, Range:			
Landform (hillslope, te	errace, etc.):	Swale	Loca	l relief	(concave, c	onvex, none)	Concave	Slope (%): 0-1	
Subregion (LRR or MLF	RA): LRR	<u>_</u>		Lat:	43.087176	4 Long	-78.0835607	Datum: WGS84	
Soil Map Unit Name:	Lakemont si	lty clay loam					NWI classifi	cation: PFO	
Are climatic/hydrologi	c conditions or	n the site typical f	for this time of year?		Yes 🖌	No (If n	o, explain in Rema	arks.)	
Are Vegetation, Are Vegetation,			significantly disturbe naturally problemat				stances" present? ny answers in Rem		

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes 🟒 No Yes 🏒 No	Is the Sampled Area within a Wetland?	Yes 🧹 No
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Site ID:	W-JDV-05
Remarks: (Explain alternative procedur	es here or in a separate re	port)	
TRC covertype is PFO.			

Wetland Hydrology Indicators:						
Primary Indicators (minimum of o	ne is required; check a	Secondary Indicators (minimum of two required)				
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>✓ Water Marks (B1)</li> <li>_ Sediment Deposits (B2)</li> </ul>	Aqu Aqu Mar Hyd	er-Stained Leaves (B9) atic Fauna (B13) I Deposits (B15) rogen Sulfide Odor (C1) dized Rhizospheres on Living	Roots (C3)			
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Im</li> <li>Sparsely Vegetated Concave St</li> </ul>	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<ul> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>				
Field Observations:						
Surface Water Present?	Yes 🟒 No	Depth (inches):	2			
Water Table Present?	Yes 🟒 No	Depth (inches):	0	Wetland Hydrology Present? Yes 🟒 No		
Saturation Present?	Yes 🟒 No	Depth (inches):	0	-		
(includes capillary fringe)						
Describe Recorded Data (stream g	zauge, monitoring well	, aerial photos, previous ins	bections), if	available:		

# Sampling Point: W-JDV-05; PFO-1

ree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	5	(A)
. Quercus bicolor	35	Yes	FACW	Are OBL, FACW, or FAC:		(A)
. Fraxinus americana	20	Yes	FACU	Total Number of Dominant Species	6	(B)
. Acer rubrum	15	No	FAC	Across All Strata:		(8)
. Fraxinus pennsylvanica	15	No	FACW	Percent of Dominant Species That	' 83.3	
. Ulmus americana	12	No	FACW	Are OBL, FACW, or FAC:		(A/I
		·		Prevalence Index worksheet:		
		·		Total % Cover of:	Multiply B	-
		= Total Cov	er	- OBL species 11	x 1 =	11
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FACW species 74	x 2 =	148
. Frangula alnus	15	Yes	FAC	FAC species 35	x 3 =	105
<i>Fraxinus pennsylvanica</i>	12	Yes	FACW	FACU species 20	x 4 =	80
			-	UPL species 0	x 5 =	0
		·		Column Totals 140	(A)	344 (
		·		Prevalence Index = B/A =	2.5	
				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic V	/egetation	
·	27	= Total Cov	or	2 - Dominance Test is >50%		
lerb Stratum (Plot size: <u>5 ft</u> )			CI	$4$ 3 - Prevalence Index is $\leq 3.0^{1}$		
. Persicaria arifolia	8	Yes	OBL	4 - Morphological Adaptations		upporti
. Toxicodendron radicans	5	Yes	FAC	- data in Remarks or on a separate sh		
. Carex stipata	3	No	OBL	Problematic Hydrophytic Vege		
. <u>Carex supata</u>		110	ODL	<sup>1</sup> Indicators of hydric soil and wetlan		y must
·		<u> </u>		present, unless disturbed or proble	matic	
		<u> </u>		Definitions of Vegetation Strata:		
·		·		Tree – Woody plants 3 in. (7.6 cm) o		lameter
				breast height (DBH), regardless of h Sapling/shrub – Woody plants less t	-	DLI and
		·		greater than or equal to 3.28 ft (1 m		on anu
		·		Herb – All herbaceous (non-woody)		ardless
0		·		size, and woody plants less than 3.2		araicoo
1		<u> </u>		Woody vines – All woody vines grea		8 ft in
2		Table		height.		
	16	= Total Cov	er	Hydrophytic Vegetation Present?	Yes 🖌 No	)
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )					I	
		<u> </u>		-		
				-		
		<u> </u>		-		
l		·		-		
	0	= Total Cov	er			

	cription: (Describe 1	to the de	epth needed to d Redox			ndicator	or confirm the ab	osence of indicate	ors.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Textu	Iro	Remarks
0 - 1	2.5Y 2.5/1	·			туре	LUC	Loai		Remarks
		100							
1 - 8	10YR 4/2	95	7.5YR 5/4	5		<u>M</u>	Clay Lo		
8 - 15	10YR 5/2	90	10YR 4/4	5	<u> </u>	<u>M</u>	Silty Clay		
8 - 15	10YR 5/2	90	10YR 5/4	5	C	M	Silty C	lay	
		·							
		·							
		·							
		·							
		·							
		· <u> </u>			·				
		·							
	Concentration, D = I	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. <sup>2</sup> Lo		e Lining, M = Matrix.
Hydric Soil								Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be		-			2 cm Muck (	(A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2)		Thin Dark Su					Coast Prairi	e Redox (A16) <b>(LRR K, L, R)</b>
Black Hi	. ,		Loamy Muck	·		(LRR K, L	)	5 cm Mucky	Peat or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4) d Layers (A5)		Loamy Gleye _✓ Depleted Ma					Dark Surfac	
	d Below Dark Surfa	ace (A11)						•	elow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Dai						urface (S9) <b>(LRR K, L)</b>
	lucky Mineral (S1)		Redox Depre						nese Masses (F12) <b>(LRR K, L, R)</b>
-	ileyed Matrix (S4)								oodplain Soils (F19) <b>(MLRA 149B)</b>
-	edox (S5)								ic (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	d Matrix (S6)							Red Parent	
	rface (S7) (LRR R, N	ILRA 149	9B)					Other (Expla	v Dark Surface (TF12)
								•	
-	of hydrophytic veg		and wetland hydi	olog	y must be	e presen	t, unless disturbed	d or problematic.	
	_ayer (if observed): 								
	Туре:	·	None	-		Hydric	Soil Present?		Yes 🟒 No
-	Depth (inches):								
Remarks:									

Soil Photos



Photo of Sample Plot



Northcentral and Northeast Region -- Version 2.0 Adapted by TRC





Project/Site: Excelsior		Ci	ty/County: Byr	Sampling Date: 2019-May-29					
Applicant/Owner: N	extEra				State:	New York	Sampling Point:	W-JDV-05; PEM-1	
Investigator(s): Jeff V	/andeveer, IBF			Sec	tion, Towns	ship, Range:			
Landform (hillslope, te	rrace, etc.):	Agricultural Fiel	d	Local relief	(concave,	convex, none):	Concave	Slope (%): 0-1	
Subregion (LRR or MLR	RA): LRR I	-		Lat:	43.091563	37 Long	-78.0765702	Datum: WGS84	
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 perce	ent slopes				NWI classifi	cation: PFO1/PSS1E	
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 d	isturbed?	Are "N	ormal Circums	stances" present?	Yes 🟒 No	
Are Vegetation,	Soil,	or Hydrology	_ naturally prob	plematic?	(If nee	ded, explain a	ny answers in Rem	arks.)	

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-05						
Remarks: (Explain alternative procedures he	Remarks: (Explain alternative procedures here or in a separate report)								
TRC covertype is PEM. Circumstances are no	ot normal due to agricultu	ral activities							

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	e is required; check	all that apply)		Secondary Indicators (minimum of two required)
<ul> <li> Surface Water (A1)</li> <li> High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li> Water Marks (B1)</li> <li> Sediment Deposits (B2)</li> </ul>	Aqu Mar Hyd	ter-Stained Leaves (B9) Iatic Fauna (B13) 1 Deposits (B15) Irogen Sulfide Odor (C1) dized Rhizospheres on Living	Roots (C3)	<ul> <li> Surface Soil Cracks (B6)</li> <li>✓ Drainage Patterns (B10)</li> <li> Moss Trim Lines (B16)</li> <li> Dry-Season Water Table (C2)</li> <li> Crayfish Burrows (C8)</li> <li> Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su	Rec Thir agery (B7) Oth	sence of Reduced Iron (C4) ent Iron Reduction in Tilled So n Muck Surface (C7) er (Explain in Remarks)	oils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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):	6	-
(includes capillary fringe)				
Describe Recorded Data (stream ga Remarks:	auge, monitoring wel	l, aerial photos, previous insp	ections), if	available:

Sampling Point: W-JDV-05; PEM-1

<u> Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant	Indicator	Dominance Test works	heet:		
	% Cover	Species?	Status	Number of Dominant S	Species That	6	(A)
				Are OBL, FACW, or FAC	:		(/ ()
2.				Total Number of Domi	nant Species	6	(B)
3.				Across All Strata:			(8)
1.				Percent of Dominant S		100	) (A/B)
				Are OBL, FACW, or FAC			
				Prevalence Index work			
				Total % Cover	of:	<u>Multiply</u>	<u>y By:</u>
·	0	= Total Cov	or	OBL species	20	x 1 =	20
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )	0		ei	FACW species	28	x 2 =	56
	0	Vac		FAC species	48	x 3 =	144
Cornus amomum	<u> </u>	Yes	FACW	FACU species	0	x 4 =	0
2. Salix nigra	5	Yes	OBL	UPL species	0	x 5 =	0
		·		Column Totals	96	(A)	220 (B)
4		·		Prevalence Ir	ndex = B/A =	2.3	_
5				Hydrophytic Vegetation	n Indicators:		
5				1- Rapid Test for I		egetatio	n
<sup>7</sup>				2 - Dominance Te		6866666	
	13	= Total Cov	er	✓ 3 - Prevalence Inc			
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological		(Provide	sunnortin
. <u>Poa palustris</u>	20	Yes	FACW	data in Remarks or on			supportin
2. <u>Echinochloa crus-galli</u>	20	Yes	FAC	Problematic Hydr	•		xplain)
3. Juncus effusus	15	Yes	OBL	<sup>1</sup> Indicators of hydric sc	1 9 0		
4. Juncus tenuis	15	Yes	FAC	present, unless disturb		-	ob)
5. Rumex crispus	8	No	FAC	Definitions of Vegetation			
5. Taraxacum ceratophorum	5	No	FAC	Tree – Woody plants 3		more in	i diameter a
7.		······································		breast height (DBH), re			
3.				Sapling/shrub - Woody	-	•	DBH and
				greater than or equal t			
		·		Herb – All herbaceous			egardless o
10		·		size, and woody plants			-
11				Woody vines - All wood	dy vines great	er than 3	3.28 ft in
2		= Total Cov		height.			
	83		er	Hydrophytic Vegetatio	n Present? Y	′es 🖌	No
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )							
1							
2		· ·					
3							
4							
	0	= Total Cov	er				

	Matrix Color (moist)	%	Redox Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup> Text	ure	Remarks
(inches) 0 - 5	10YR 5/2	100			турс	Silty		Remarks
5 - 14	10YR 5/2	90	7.5YR 4/4	10	С	M Clay L		
5 14	1011(3/2		7.511.4					
				·				
<sup>1</sup> Type: $C = 0$	Concentration. D =	Depleti	on. RM = Reduced	d Mat	rix. MS =	Masked Sand Grains.	<sup>2</sup> l ocation: PL =	Pore Lining, M = Matrix.
	Indicators:	Depicti		amac	1,0,1113			or Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Re	Nole	urface (S	8) (LRR R, MLRA 149B)		
	pipedon (A2)		Thin Dark Su				2 cm w	uck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck					rairie Redox (A16) <b>(LRR K, L, R)</b> ucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
Hydrog	en Sulfide (A4)		Loamy Gleye	ed Ma	trix (F2)			irface (S7) <b>(LRR K, L)</b>
	ed Layers (A5)		_✔ Depleted Ma					Je Below Surface (S8) (LRR K, L)
	ed Below Dark Surf	ace (A11						rk Surface (S9) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da					inganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depre	essior	IS (F8)			nt Floodplain Soils (F19) <b>(MLRA 149B)</b>
-	Gleyed Matrix (S4)						Mesic S	podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	Redox (S5)						Red Par	ent Material (F21)
	d Matrix (S6) Jrface (S7) <b>(LRR R, l</b>						Very Sh	allow Dark Surface (TF12)
			90)				Other (I	Explain in Remarks)
Dark Sl						procent unloss dist	بمرجا ومرور برجام والمر	
	of hydrophytic ve	getation	and wetland hyd	rolog	y must be	e present, uniess distu	ribed or problem	natic.
<sup>3</sup> Indicators			and wetland hyd	rolog	y must be	present, unless distu	rbed or problem	natic.
<sup>3</sup> Indicators	of hydrophytic veg		and wetland hyd None	rolog	y must be	Hydric Soil Present?	•	es _ ✓_ No
<sup>3</sup> Indicators	of hydrophytic ve Layer (if observed)		-	rolog	y must be		•	
<sup>3</sup> Indicators	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	rolog	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	rolog	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>rolog</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	rolog	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>rolog</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>rolog</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>rolog</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>rolog</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>-</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	<u>-</u>	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	-	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	rolog	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	rolog	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	-	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	-	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	-	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	-	y must be		•	
<sup>3</sup> Indicators Restrictive	of hydrophytic ve <sub>i</sub> <b>Layer (if observed</b> ) Type:		-	-	y must be		•	

Soil Photos



Photo of Sample Plot



Northcentral and Northeast Region -- Version 2.0 Adapted by TRC





Project/Site: Excelsior	City/County: Byron, Genesee	Sampling Date: 2019-May-30						
Applicant/Owner: NextEra	State: NY	Sampling Point: W-JJB-05; PSS-1						
Investigator(s): Jake Brillo, Rebecca Cosgrov	e Section, Township, Range:							
Landform (hillslope, terrace, etc.): Depres	sion Local relief (concave, convex, none):	Concave Slope (%): 1-10						
Subregion (LRR or MLRA): LRR L	Lat: 43.072991157 Long	-78.056350574 Datum: WGS84						
Soil Map Unit Name: Canandaigua silt loan	, 0 to 2 percent slopes	NWI classification:						
Are climatic/hydrologic conditions on the site typical for this time of year? Yes 🖌 No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydro	ogy significantly disturbed? Are "Normal Circums	stances" present? Yes 🟒 No						
Are Vegetation, Soil, or Hydro	ogy naturally problematic? (If needed, explain a	ny 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	Is the Sampled Area within a Wetland?	Yes 🯒 No _						
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-JJB-05						
Remarks: (Explain alternative procedures he	Remarks: (Explain alternative procedures here or in a separate report)								
TRC covertype is PSS. Maintained power line	ROW								

✓ Surface Water (A1)       ✓ Water-Stained Leaves (B9)       _ Surface S         ✓ High Water Table (A2)       _ Aquatic Fauna (B13)       _ Drainage         ✓ Saturation (A3)       _ Marl Deposits (B15)       _ Moss Trir         Water Marks (B1)       _ Hydrogen Sulfide Odor (C1)       _ Dry-Sease         _ Sediment Deposits (B2)       _ Oxidized Rhizospheres on Living Roots (C3)       _ Crayfish I         _ Drift Deposits (B3)       _ Presence of Reduced Iron (C4)       _ Stunted of C4         _ Algal Mat or Crust (B4)       _ Recent Iron Reduction in Tilled Soils (C6)       _ Geomorphile	n Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Yuder Statured Educes (BS)	Patterns (B10) m Lines (B16) on Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2)
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted of C4         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic C6	or Stressed Plants (D1) bhic Position (D2)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Aquitard (D3) Iographic Relief (D4) tral Test (D5)
Field Observations:	
Surface Water Present? Yes 🖌 No Depth (inches): 1	
Water Table Present? Yes 🧹 No Depth (inches): 4 Wetland Hyd	drology Present? Yes 🟒 No
Saturation Present? Yes 🖌 No Depth (inches): 0	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:           Remarks:	

Sampling Point: W-JJB-05; PSS-1

ree Stratum (Plot size: <u>30 ft</u> )	Absolute	Dominant	Indicator	Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	5	(A)
				Total Number of Dominant Species		
				- Across All Strata:	5	(B)
				Percent of Dominant Species That		
·				- Are OBL, FACW, or FAC:	100	(A/B)
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	Multiply E	<u>By:</u>
				- OBL species 40	x 1 =	40
	0	= Total Cov	er	FACW species 83	x 2 =	166
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
Cornus amomum	45	Yes	FACW	– FACU species 0	x 4 =	0
Salix nigra	20	Yes	OBL	- UPL species 0	x 5 =	0
Acer saccharinum	8	No	FACW	– Column Totals 123	(A)	206 (B
				Prevalence Index = B/A =		200 (B
				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic	vegetation	
	73	= Total Cov	er	<ul> <li>✓ 2 - Dominance Test is &gt;50%</li> <li>✓ 2 - Dominance Indexia = 2.01</li> </ul>		
<u>erb Stratum</u> (Plot size: <u>5 ft</u> )		-		$\checkmark$ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	-1 (Dury isla	
Typha angustifolia	20	Yes	OBL	4 - Morphological Adaptations		upportin
. Onoclea sensibilis	15	Yes	FACW	<ul> <li>data in Remarks or on a separate s</li> <li> Problematic Hydrophytic Veget</li> </ul>		alain)
. Lysimachia nummularia	15	Yes	FACW	<ul> <li>Indicators of hydric soil and wetland</li> </ul>		
·				present, unless disturbed or proble		y must b
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) c	or more in d	iameter :
				breast height (DBH), regardless of l		
				Sapling/shrub – Woody plants less	-	BH and
				greater than or equal to 3.28 ft (1 n		Briana
				- Herb – All herbaceous (non-woody		ardless o
0				size, and woody plants less than 3.		
1				Woody vines – All woody vines grea	ater than 3.2	28 ft in
2		- Total Cau		height.		
	50	= Total Cov	er	Hydrophytic Vegetation Present?	Yes 🖌 No	C
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )						
·				-		
				-		
·				-		
				-		
	0	= Total Cov	er			

	-	to the c	-			ndicator	or confirm the a	bsence of indicators	5.)
Depth	Matrix		Redox				_		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text		Remarks
0 - 3	10YR 2/1	100					Mucky S		
3 - 20	10YR 5/2	70	7.5YR 5/6	20	С	M	Clay I	Loam	
3 - 20			10YR 3/1	10	D	M	Clay I	Loam	
<sup>1</sup> Type: C = C	Concentration, D =	Depleti	on, RM = Reduced	l Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> L	ocation: PL = Pore L	ining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Pro	blematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Be	low S	urface (S	8) (LRR F	R, MLRA 149B)	2 cm Muck (A	10) <b>(LRR K, L, MLRA 149B)</b>
	oipedon (A2)		Thin Dark Su					Coast Prairie I	Redox (A16) <b>(LRR K, L, R)</b>
	istic (A3)		Loamy Muck	-		(LRR K, L	_)	5 cm Mucky P	eat or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye					Dark Surface (	(S7) (LRR K, L)
	d Layers (A5) d Below Dark Surf	ace (A1	Depleted Ma						ow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da						face (S9) <b>(LRR K, L)</b>
	/lucky Mineral (S1)		Redox Depre						ese Masses (F12) <b>(LRR K, L, R)</b>
Sandy O	Gleyed Matrix (S4)								odplain Soils (F19) <b>(MLRA 149B)</b>
Sandy F	Redox (S5)								(TA6) <b>(MLRA 144A, 145, 149B)</b>
Strippe	d Matrix (S6)							Red Parent M	Dark Surface (TF12)
Dark Su	irface (S7) <b>(LRR R, M</b>	/LRA 14	19B)					Other (Explain	
21	- 6 h						t	•	in ternetics,
-	of hydrophytic veg Layer (if observed)		and wetland hyd	rolog	/ must be	e presen	t, uniess disturbe	d or problematic.	
	Type:	•	None			Hydric	Soil Present?	,	Yes 🟒 No
	Depth (inches):		Hone			liyane	Son Present.		
Remarks:	Deptil (illelies).								
Remarks.									

Hydrology Photos



Vegetation Photos



#### Soil Photos





Project/Site: Excelsior	City/County: Byron,	Genesee County		Sampling Date: 2	2019-May-28				
Applicant/Owner: NextEra		State:	New York	Sampling Point: W-	JDV-03; UPL-1				
Investigator(s):Jeff Vandeveer, IBP		Section, Town	ship, Range:						
Landform (hillslope, terrace, etc.):	Agricultural Field Lo	cal relief (concave,	convex, none):	None	Slope (%): 1-10				
Subregion (LRR or MLRA): LRR L		Lat: 43.08050	56 Long:	-78.0450984	Datum: WGS84				
Soil Map Unit Name: Ontario loam,	, 3 to 8 percent slopes			NWI classificat	tion:				
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)									
Are Vegetation, Soil, c	or Hydrology significantly distu	rbed? Are "N	lormal Circums	tances" present?	Yes No 🟒				
Are Vegetation, Soil, o	or Hydrology naturally problen	natic? (If nee	eded, explain ar	ny answers in Remar	ks.)				

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No 🟒								
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒						
Wetland Hydrology Present?	Yes No	lf 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 mowing o	of vegetation							

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	<u>e is required; check all that apply)</u>	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li>Stunted or Stressed Plants (D1)</li> <li> Geomorphic Position (D2)</li> <li> Shallow Aquitard (D3)</li> <li> Microtopographic Relief (D4)</li> <li> FAC-Neutral Test (D5)</li> </ul>
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)		-
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspections), if a	available:

Sampling Point: W-JDV-03; UPL-1

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant	Indicator	Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That	: 0	(A)
l				Are OBL, FACW, or FAC:		
<u> </u>				Total Number of Dominant Species Across All Strata:	2	(B)
3				Percent of Dominant Species That		
4				- Are OBL, FACW, or FAC:	0	(A/B)
				Prevalence Index worksheet:		
				- Total % Cover of:	Multiply	Bv:
·				– OBL species 0	x 1 =	0
	0	= Total Cov	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
				- FACU species 113	x 4 =	452
2				- UPL species 0	x 5 =	0
3				- Column Totals 113	 (A)	452 (B)
				Prevalence Index = B/A =		732 (D
5.						
				Hydrophytic Vegetation Indicators		
7				1- Rapid Test for Hydrophytic	vegetation	
	0	= Total Cov	er	2 - Dominance Test is > 50%		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )		_		$3 - Prevalence Index is \le 3.0^{1}$		cupportin
. Phleum pratense	30	Yes	FACU	4 - Morphological Adaptation data in Remarks or on a separate		supportin
2. Poa pratensis	30	Yes	FACU	<ul> <li>Problematic Hydrophytic Veg</li> </ul>		nlain)
3. Trifolium pratense	20	No	FACU	Indicators of hydric soil and wetla		
4. <i>Viola pedatifida</i>	10	No	FACU	present, unless disturbed or probl		by mast b
5. Taraxacum officinale	10	No	FACU	Definitions of Vegetation Strata:		
5. Plantago lanceolata	8	No	FACU	Tree – Woody plants 3 in. (7.6 cm)	or more in (	diameter a
7. Fragaria virginiana	5	No	FACU	breast height (DBH), regardless of		
<u></u>				Sapling/shrub – Woody plants less	than 3 in. [	OBH and
Э.				greater than or equal to 3.28 ft (1)	m) tall.	
10				Herb – All herbaceous (non-woody	) plants, re	gardless o
11				size, and woody plants less than 3	.28 ft tall.	
12.				Woody vines – All woody vines gre	ater than 3.	.28 ft in
	113	= Total Cov	er	- height.		
Woody Vine Stratum (Plot size: <u>30 ft</u> )			-	Hydrophytic Vegetation Present?	Yes N	lo 🖌
1.						
2.				-		
3.				-		
4.				-		
*	0	- Total Cav	o.r.	-		
	0	= Total Cov	ei			

Sampling Point: W-JDV-03; UPL-1

(inches)	Matrix Color (moist)	%	Color (moist)		res Type¹	Loc <sup>2</sup>	Texture	Remarks
0 - 12	10YR 4/4	100		<u> </u>	<u>., her</u>		ilty Clay Loam	Remarks
0.12	10YR 4/3							
		·				··		
		·						
		·						
ype: C = (	Concentration, D =	Depletio	n, RM = Reduced	Matrix	, MS = I	Masked Sand Grair	ns. <sup>2</sup> Location: PL = Pore	Lining, M = Matrix.
/dric Soil	Indicators:						Indicators for P	roblematic Hydric Soils <sup>3</sup> :
_ Histoso						3) (LRR R, MLRA 14	9B) 2 cm Muck (	A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2)		Thin Dark Su					e Redox (A16) <b>(LRR K, L, R)</b>
	istic (A3)		Loamy Mucky			LRR K, L)	5 cm Mucky	Peat or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Mat				Dark Surfac	
	d Below Dark Surfa	ace (A11)						elow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Dar					urface (S9) <b>(LRR K, L)</b>
_ Sandy N	/lucky Mineral (S1)		Redox Depre				•	nese Masses (F12) <b>(LRR K, L, R)</b>
_ Sandy (	Gleyed Matrix (S4)							oodplain Soils (F19) <b>(MLRA 149B)</b> c (TA6) <b>(MLRA 144A, 145, 149B)</b>
_ Sandy F	Redox (S5)						Red Parent	
Strippe	d Matrix (S6)							v Dark Surface (TF12)
_ Dark Su	irface (S7) <b>(LRR R, N</b>	ILRA 149	9B)				Other (Expla	
ndicators	of hydrophytic yea	etation :	and wetland bydr	ology r	must he	nresent unless di	sturbed or problematic.	
	Layer (if observed):		and wettand hydr	ologyi	nust be		starbed of problematic.	
contente	Type:		Rocks			Hydric Soil Preser	nt?	Yes No 🟒
	Depth (inches):		12					
emarks:		-	12	·				
.marks.								

Soil Photos





Photo of Sample Plot Sketch



Project/Site: Excelsior		City	/County: Byron, G	enesee			Sampling Date	2019-June-10	
Applicant/Owner: Ne	extEra				State: NY		Sampling Point:	W-JJB-25; UPL-2	
Investigator(s): Jake B	Brillo, Isaac Pa	llant		Sectio	n, Township, Ra	ange:			
Landform (hillslope, terr	race, etc.):	Agricultural Field	Loca	al relief (o	oncave, convex	, none):	Flat	Slope (%):	0-1
Subregion (LRR or MLRA	A): LRR L			Lat:4	3.0626512412	Long:	-78.0796613172	Datum: W	GS84
Soil Map Unit Name:	Lakemont sil	ty clay loam					NWI classifi	cation: None	
Are climatic/hydrologic	conditions on	the site typical for	this time of year?		Yes No	🖌 (lf no	, explain in Remar	ks.)	
Are Vegetation,	Soil,	or Hydrology s	ignificantly disturb	ed?	Are "Normal	Circums	tances" present?	Yes No	_/
Are Vegetation,	Soil,	or Hydrology r	naturally problemat	tic?	(If needed, ex	kplain ar	ny answers in Rem	arks.)	

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No 🟒		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No _	lf yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures he	re or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wet year	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Sur</li> </ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspections), if	available:

Sampling Point: W-JJB-25; UPL-2

<u> </u>		Dominant		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Th Are OBL, FACW, or FAC:	at 0	(A)
·				Total Number of Dominant Spec	es	
· · · · · · · · · · · · · · · · · · ·				Across All Strata:	1	(B)
				Percent of Dominant Species Th	at 0	(A (D)
4 5				Are OBL, FACW, or FAC:	0	(A/B)
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	<u>Multiply</u>	<u>' By:</u>
7		- Tatal Cau		OBL species 0	x 1 =	0
	0	= Total Cov	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
				- FACU species 0	x 4 =	0
2				- UPL species 15	x 5 =	75
3				- Column Totals 15	(A)	75 (B)
4				Prevalence Index = B/A		
5				Hydrophytic Vegetation Indicato		
5				- 1- Rapid Test for Hydrophy		2
7				, , , , , ,	0	1
	0	= Total Cov	er	2 - Dominance Test is > 509		
<u>Herb Stratum (</u> Plot size: <u>5 ft</u> )		-		3 - Prevalence Index is $\leq$ 3.		
1. Zea mays	15	Yes	UPL	4 - Morphological Adaptatio		supporting
2.				- data in Remarks or on a separat		
				Problematic Hydrophytic V	-	
				<ul> <li>Indicators of hydric soil and we</li> </ul>	5	ogy must be
···				present, unless disturbed or pro	olematic	
				Definitions of Vegetation Strata:		
5				Tree – Woody plants 3 in. (7.6 cm		diameter a
7				breast height (DBH), regardless of		
3				Sapling/shrub - Woody plants le		DBH and
9				greater than or equal to 3.28 ft (		
10				Herb – All herbaceous (non-woo		gardless of
11				size, and woody plants less than		
12				Woody vines – All woody vines g	reater than 3	3.28 ft in
	15	= Total Cov	er	height.		
Woody Vine Stratum (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetation Present	? Yes	No 🟒
1.						
2.				-		
				-		
۸				-		
4		Table		-		
	0	= Total Cov	er			

Profile Des Depth	cription: (Describe Matrix	to the de	epth needed to d Redox			indicato	r or confirm the a	bsence of in	idicators.)
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	2	Remarks
0 - 8	10YR 4/3	100					Clay Loa		
		·							
		·				·			
		·				·		<u> </u>	
		·			·	·			
		·		- —		·			
		·							
		·				·			
		·				·		<u> </u>	
		·			·	·			-
						·			
		Depletic	on, RM = Reduced	l Mat	rıx, MS =	Masked	Sand Grains. <sup>2</sup> L		= Pore Lining, M = Matrix.
-	Indicators:							Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Be					2 cm N	/luck (A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2) istic (A3)		Thin Dark Su					Coast	Prairie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Muck	-		(LRR K,	L)	5 cm N	/lucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	ed Layers (A5)		Depleted Ma						Surface (S7) <b>(LRR K, L)</b>
	ed Below Dark Surfa	ace (A11							lue Below Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da			)			ark Surface (S9) <b>(LRR K, L)</b>
	Mucky Mineral (S1)		Redox Depre			,			langanese Masses (F12) <b>(LRR K, L, R)</b>
-	Gleyed Matrix (S4)				. ,				ont Floodplain Soils (F19) <b>(MLRA 149B)</b>
-	Redox (S5)								Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	d Matrix (S6)								arent Material (F21)
	urface (S7) <b>(LRR R, N</b>	1LRA 149	9B)					-	hallow Dark Surface (TF12)
									(Explain in Remarks)
	of hydrophytic veg		and wetland hydi	rolog	y must b	e preser	nt, unless disturbe	d or proble	matic.
Restrictive	Layer (if observed):						<b>C</b> (1) <b>D</b> (2)		<b>X N</b> <i>Z</i>
	Туре:		lay hardpan	-		Hydric	Soil Present?		Yes No 🟒
	Depth (inches):		8						
Remarks:									

Photo of Sample Plot



Project/Site: Excelsior	City/County: Byron, Genesee County	Sampling Date: 2019-May-31
Applicant/Owner: NextEra	State: New York	Sampling Point: W-JDV-14; PSS-1
Investigator(s):Jeff Vandeveer, IBP	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Flood Pla	n Local relief (concave, convex, none):	Floodplain Slope (%): 0-1
Subregion (LRR or MLRA): LRR L	Lat: 43.0717922 Long	-78.1102778 Datum: WGS84
Soil Map Unit Name: Wakeville silt loam		NWI classification: PEM1E, PSS1E
Are climatic/hydrologic conditions on the site type	ical for this time of year? Yes _∠_ No (If n	o, explain in Remarks.)
Are Vegetation, Soil, or Hydrolog	y 🟒 significantly disturbed? Are "Normal Circums	stances" present? Yes 🟒 No
Are Vegetation, Soil, or Hydrolog	y naturally problematic? (If needed, explain a	ny 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	Is the Sampled Area within a Wetland?	Yes 🟒 No _
Wetland Hydrology Present?	Yes 🟒 No	lf yes, optional Wetland Site ID:	W-JDV-14
Remarks: (Explain alternative procedures he	re or in a separate report	)	
TRC covertype is PSS. Area is wetland, all thr	ee wetland parameters a	re present. Beaver activity on spring creek has altered	I hydrology

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>Marl Deposits (B15)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living Rod</li> </ul>	<ul> <li> Surface Soil Cracks (B6)</li> <li> Drainage Patterns (B10)</li> <li> Moss Trim Lines (B16)</li> <li> Dry-Season Water Table (C2)</li> <li>ots (C3)</li> <li> Crayfish Burrows (C8)</li> <li> Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sui		Stunted or Stressed Plants (D1)
Field Observations:		
Surface Water Present?	Yes No Depth (inches):	
Water Table Present?	Yes 🖌 No Depth (inches):	9 Wetland Hydrology Present? Yes 🟒 No
Saturation Present?	Yes 🖌 No Depth (inches):	2
(includes capillary fringe)	_	
	nuge, monitoring well, aerial photos, previous inspect	ions), if available:
Remarks: A positive indication of wetland hyd	frology was observed (primary and secondary indicat	tors were present).

Sampling Point: W-JDV-14; PSS-1

Free Stratum (Plot size: <u>30 ft</u> )		Dominant		<b>Dominance Test worksheet:</b> Number of Dominant Species That		
		Species?	Status	Are OBL, FACW, or FAC:	4	(A)
				Total Number of Dominant Species	4	(B)
				Percent of Dominant Species That		
i.				Are OBL, FACW, or FAC:	100	(A/B)
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	Multiply I	By:
7				OBL species 60	x 1 =	60
	0	= Total Cov	er	FACW species 35	x 2 =	70
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 10	x 3 =	30
. Salix nigra	55	Yes	OBL	FACU species 0	x 4 =	0
<u></u>				UPL species 0	x 5 =	0
3.				Column Totals 105	(A)	160 (B)
4				Prevalence Index = B/A =		100 (D)
				Hydrophytic Vegetation Indicators:		
5				1- Rapid Test for Hydrophytic	Vegetation	
7				$\sim$ 2 - Dominance Test is >50%	- egetation	
	55	= Total Cov	er	$\checkmark$ 3 - Prevalence Index is $\leq 3.0^{1}$		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptations	1 (Provide s	supporting
. Poa palustris	25	Yes	FACW	- data in Remarks or on a separate sl	-	sapporting
2. Impatiens capensis	10	Yes	FACW	Problematic Hydrophytic Vege	-	plain)
3. Acer rubrum	10	Yes	FAC	<sup>1</sup> Indicators of hydric soil and wetlar		
4. Epilobium strictum	5	No	OBL	present, unless disturbed or proble	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
5				Definitions of Vegetation Strata:		
5				Tree – Woody plants 3 in. (7.6 cm) o	r more in c	liameter a
7				breast height (DBH), regardless of h		
3				Sapling/shrub – Woody plants less t	han 3 in. D	BH and
9				greater than or equal to 3.28 ft (1 m	n) tall.	
10.				Herb – All herbaceous (non-woody)	plants, reg	ardless of
11				size, and woody plants less than 3.2	28 ft tall.	
12.				Woody vines – All woody vines grea	ter than 3.	28 ft in
	50	= Total Cov	er	height.		
Noody Vine Stratum (Plot size: <u>30 ft</u> )			-	Hydrophytic Vegetation Present?	Yes 🟒 N	0
1.						
2.				-		
<u>-</u>				-		
۰				-		
4		- Tetal C		-		
	0	= Total Cov	er			

	-	to the c	-			indicato	or or confirm th	ne absence of indicators.)
Depth	Matrix		Redox			12	<b>T</b>	Descenter
(inches) 0 - 12	Color (moist) 10YR 4/1	<u>%</u> 93	Color (moist) 10YR 5/3	<u>%</u> 7	Type <sup>1</sup> C	Loc <sup>2</sup>	Texture	Remarks
0-12	101R 4/1	95	1018 5/5	<u>/</u> 			Silty Clay	Significant tree roots impeding excavation
				_				
		- <u> </u>						
		·		_				
				_				
		Depleti	on, RM = Reduced	d Mat	trix, MS =	Masked	l Sand Grains.	<sup>2</sup> Location: PL = Pore Lining, M = Matrix.
Hydric Soil I Histosol			Polyvalue Be					Indicators for Problematic Hydric Soils <sup>3</sup> :
Black Hi Hydroge Stratifier Deplete Thick Da Sandy M Sandy G Sandy R Sandy R Stripped	en Sulfide (A4) d Layers (A5) d Below Dark Surfa ark Surface (A12) lucky Mineral (S1) ileyed Matrix (S4)		Depleted Da Redox Depre	ed Ma itrix ( Surfa rk Su	atrix (F2) F3) ce (F6) rface (F7)		L)	<ul> <li>Coast Prairie Redox (A16) (LRR K, L, R)</li> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, L, R)</li> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
			and wetland hyd	rolog	gy must b	e presei	nt, unless distu	irbed or problematic.
	_ayer (if observed): 							
	Type:		None			Hydric	Soil Present?	Yes 🖌 No
Remarks:	Depth (inches):							
A positive ir	ndication of hydric	soil wa	s observed.					

Vegetation Photos



Photo of Sample Plot





Project/Site: Excelsion		City	/County: Byron, Ger	iesee			Sampling Date:	2019-June-13
Applicant/Owner: N	lextEra			State:	NY		Sampling Point:	W-JJB-31; UPL-2
Investigator(s): Jake	Brillo, Isaac Pa	allant		Section, Town	ship, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local	relief (concave,	convex,	none):	Flat	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR I	-		Lat: 43.05281	72572	Long:	-78.0875804555	Datum: WGS84
Soil Map Unit Name:	Ovid silt loar	n, 3 to 8 percent slop	pes				NWI classifi	cation:
Are climatic/hydrologic	c conditions or	the site typical for t	this time of year?	Yes	_ No	(If no	, explain in Remar	ˈks.)
Are Vegetation,	Soil,	or Hydrology s	ignificantly disturbed	d? Are "N	lormal C	ircums	tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology n	naturally problematio	? (If nee	ded, exp	olain ar	y answers in Rem	arks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JJB-31; UPL-2

Tree Stratum (Plot size: <u>30 ft</u> )	% Cover	Dominant Species?	Indicator Status	Dominance Test works Number of Dominant Are OBL, FACW, or FAC	Species That	0	(A)
 				Total Number of Domi Across All Strata:		1	(B)
3 4				Percent of Dominant S Are OBL, FACW, or FAC		0	(A/B)
5				Prevalence Index work			
5		<u> </u>		Total % Cover	of:	<b>Multiply</b>	By:
7		<u> </u>		OBL species	0	x 1 =	0
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x 3 =	0
l				FACU species	0	x 4 =	0
2				UPL species	15	x 5 =	75
3				Column Totals	15	(A)	75 (B)
1				Prevalence li	ndex = B/A =	-	
5							
5				Hydrophytic Vegetatio		(	
7				1- Rapid Test for		regetation	
	0	= Total Cove	er	2 - Dominance Te 3 - Prevalence Inc			
<u>Herb Stratum (</u> Plot size: <u>5 ft</u> )		-				1 (Duraviala	
1. Zea mays	15	Yes	UPL	4 - Morphologica data in Remarks or on			supporting
2.				Problematic Hydi	•		(niclar
3.				-			
				<sup>1</sup> Indicators of hydric so present, unless disturb		-	gy must be
* 5.		<u> </u>		3		matic	
6.				Definitions of Vegetation			
7		<u> </u>		Tree – Woody plants 3 breast height (DBH), re			diameter a
					-	-	DLLand
3		<u> </u>		greater than or equal t			лы апа
9				Herb – All herbaceous			tardlass of
10				size, and woody plants			gai uless of
11				Woody vines – All woo			28 ft in
12				height.	uy vines grea		2010111
	15	= Total Cove	er	·	<b>D</b> (2)		
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetatic	on Present?	res r	10 _
I							
2							
 D							
2.							
4.				•			
 4	0	= Total Cove	er				

ydric Soil Indicators:       Indicators:	PL = Pore Lining, M = Matrix. tors for Problematic Hydric Soils <sup>3</sup> : m Muck (A10) (LRR K, L, MLRA 149B)
Addric Soil Indicators:       Indicators:         _ Histosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       _2         _ Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       _2         _ Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       _5         _ Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Do         _ Stratified Layers (A5)       Depleted Matrix (F3)       Pol         _ Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)       Thick Dark Surface (A12)       Depleted Dark Surface (F7)         _ Thick Dark Surface (A12)       Depleted Dark Surface (F7)       Irr         _ Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Redox         _ Stripped Matrix (S4)       Mineral (S6)       Redox         _ Dark Surface (S7) (LRR R, MLRA 149B)       O       O         indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or prostrictive Layer (if observed):       O         Type:       Rocks       Hydric Soil Present?         Depth (inches):       7	tors for Problematic Hydric Soils <sup>3</sup> :
dric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Cord         Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      S         Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      DD         Stratified Layers (A5)      Depleted Matrix (F3)      Poi         Depleted Below Dark Surface (A11)      Redox Dark Surface (F6)      Thick Dark Surface (A12)      Depleted Dark Surface (F7)      Irr         Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Redox (F8)      Redox (F8)         Sandy Redox (S5)      Depleted Matrix (S6)      Redox (F7)      Irr        Dark Surface (S7) (LRR R, MLRA 149B)      O      O	tors for Problematic Hydric Soils <sup>3</sup> :
dric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Co	tors for Problematic Hydric Soils <sup>3</sup> :
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common	tors for Problematic Hydric Soils <sup>3</sup> :
Iric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common	tors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common	tors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Commo	tors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common	tors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Commo	tors for Problematic Hydric Soils <sup>3</sup> :
ric Soil Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common	tors for Problematic Hydric Soils <sup>3</sup> :
Indicators:       Indicators:         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Commo	tors for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)      2         Histic Epipedon (A2)      Thin Dark Surface (S9) (LRR R, MLRA 149B)      Ca         Black Histic (A3)      Loamy Mucky Mineral (F1) (LRR K, L)      5         Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      Da         Stratified Layers (A5)      Depleted Matrix (F3)      Po         Depleted Below Dark Surface (A11) Redox Dark Surface (F6)      Thin      Thin         Thick Dark Surface (A12)      Depleted Dark Surface (F7)      Irr         Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Redox Depressions (F8)      Redox Cepressions (F8)      Redox Cepressions (F8)      Redox Cepressions (F8)	-
Histic Epipedon (A2)	
Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       D         Stratified Layers (A5)       Depleted Matrix (F3)       Pc         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)       T         Thick Dark Surface (A12)       Depleted Dark Surface (F7)       Inv         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Pi         Sandy Gleyed Matrix (S4)       M       Redox (S5)       M         Stripped Matrix (S6)       Va       O       O         Dark Surface (S7) (LRR R, MLRA 149B)       O       O       O         licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pr       pr         Type:       Rocks       Hydric Soil Present?         Depth (inches):       7       D       D	ast Prairie Redox (A16) (LRR K, L, R)
Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      D         Stratified Layers (A5)      Depleted Matrix (F3)      P         Depleted Below Dark Surface (A11) Redox Dark Surface (F6)      T         Thick Dark Surface (A12)      Depleted Dark Surface (F7)      T         Sandy Mucky Mineral (S1)      Redox Depressions (F8)      P         Sandy Gleyed Matrix (S4)       P         Sandy Redox (S5)           Stripped Matrix (S6)	m Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)       — Tr         Thick Dark Surface (A12)       _ Depleted Dark Surface (F7)       _ Irr         Sandy Mucky Mineral (S1)       _ Redox Depressions (F8)       _ Pi         Sandy Gleyed Matrix (S4)       _ M       _ M         Sandy Redox (S5)       _ Re       _ Ve         Stripped Matrix (S6)       _ Ve       _ O         Dark Surface (S7) (LRR R, MLRA 149B)       _ O       _ O         licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pr       _ O         trictive Layer (if observed):       _ Type:       _ Rocks         _ Depth (inches):       7       _ Hydric Soil Present?	rk Surface (S7) <b>(LRR K, L)</b>
Thick Dark Surface (A12)	lyvalue Below Surface (S8) <b>(LRR K, L)</b>
Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Irr         Sandy Gleyed Matrix (S4)      Pi         Sandy Redox (S5)      M         Stripped Matrix (S6)      Vé         Dark Surface (S7) (LRR R, MLRA 149B)      O         licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pr         trictive Layer (if observed):	in Dark Surface (S9) <b>(LRR K, L)</b>
Sandy Gleyed Matrix (S4) Pi Sandy Redox (S5) M Stripped Matrix (S6) Ve Dark Surface (S7) (LRR R, MLRA 149B) O licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pre- trictive Layer (if observed): Type: Rocks Depth (inches): 7	n-Manganese Masses (F12) <b>(LRR K, L, R)</b>
Sandy Redox (S5) MI Stripped Matrix (S6) Ve Dark Surface (S7) (LRR R, MLRA 149B) O licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or pr trictive Layer (if observed): Type: Rocks Depth (inches): 7 T	dmont Floodplain Soils (F19) <b>(MLRA 149B)</b>
Stripped Matrix (S6)      r         Dark Surface (S7) (LRR R, MLRA 149B)      O         licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or present;      O         licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or present;      O         Type:      Rocks	esic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Dark Surface (S7) (LRR R, MLRA 149B)	d Parent Material (F21)
dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or present contractive Layer (if observed): Type: Rocks Depth (inches): 7	ry Shallow Dark Surface (TF12) her (Explain in Remarks)
Strictive Layer (if observed):     Rocks       Type:     Rocks       Depth (inches):     7	•
Type:     Rocks     Hydric Soil Present?       Depth (inches):     7	Siematic.
Depth (inches): 7	Yes No 🟒

Vegetation Photos



Soil Photos







Photo of Sample Plot Sketch

Project/Site: Excelsior	City/County:_B	yron, Genesee	Sampling Date: 2019-June-12		
Applicant/Owner: NextEra		State: NY	Sampling Point: W-JJB	-33; PUB-1	
Investigator(s): Jake Brillo, Is	aac Pallant	Section, Township, Range:			
Landform (hillslope, terrace, et	tc.): Agricultural Field	Local relief (concave, convex, none):	Concave	Slope (%): 0-1	
Subregion (LRR or MLRA):	LRR L	Lat: 43.0568598072 Long:	-78.0894015916	Datum: WGS84	
Soil Map Unit Name: Lamso	n very fine sandy loam		NWI classification	ו:	
Are climatic/hydrologic conditi	ons 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 Circums	tances" present?	Yes No _🖌	
Are Vegetation, Soil	_, or Hydrology naturally pro	oblematic? (If needed, explain ar	ny 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	Is the Sampled Area within a Wetland?	Yes 🯒 No
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-JJB-33
Remarks: (Explain alternative procedures he	re or in a separate report	)	
TRC covertype is PUB. Circumstances are no	t normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:				
Primary Indicators (minimum of or	ne is required; check all	that apply)		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl I Hydro	Stained Leaves (B9) cic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living	g Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li> Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Image Sparsely Vegetated Concave Su</li> </ul>	Recer Thin M agery (B7) Other	nce of Reduced Iron (C4) at Iron Reduction in Tilled S Muck Surface (C7) (Explain in Remarks)	Goils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	24	
Water Table Present?	Yes 🟒 No	Depth (inches):	0	Wetland Hydrology Present?   Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	_
(includes capillary fringe)				
Describe Recorded Data (stream g	auge, monitoring well,	aerial photos, previous ins	pections), if	available:

Sampling Point: W-JJB-33; PUB-1

	Yes Yes	OBL FACW	Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata:	2	(A) (B)
		-	-	2	(B)
			<ul><li>Percent of Dominant Species That</li><li>Are OBL, FACW, or FAC:</li></ul>	100	(A/B)
			Prevalence Index worksheet:		
				Multiply By	<i>.</i> -
					<u>.</u> 12
17	= Total Cove	er	· · · · · · · · · · · · · · · · · · ·		10
					0
			· · · · · · · · · · · · · · · · · · ·		0
					0
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					22 (B)
				1.3	
			Hydrophytic Vegetation Indicators:		
				Vegetation	
0	= Total Cov	er			
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				iter than 5.20	/ TC III
0	= Total Cove	er			
			Hydrophytic Vegetation Present?	Yes 🟒 No	
0	= Total Cov	er			
	17 0 0	17 = Total Cov	17 = Total Cover	Instruction for the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the forma	Total % Cover of:Multiply By17= Total Cover $FAC species$ 12x 1 =FAC species5x 2 =FAC species0x 3 =FAC species0x 4 =UPL species0x 5 =Column Totals17(A)Prevalence Index = B/A =1.3Hydrophytic Vegetation Indicators: $\checkmark$ 1 - Rapid Test for Hydrophytic Vegetation $\checkmark$ 2 - Dominance Test is >50% $\checkmark$ 3 - Prevalence Index is $\leq 3.0^1$ $\checkmark$ 4 - Morphological Adaptations1 (Provide su data in Remarks or on a separate sheet) $\_$ Problematic Hydrophytic Vegetation1 (Explain 1 Indicators of hydric soil and wetland hydrology present, unless disturbed or problematicDefinitions of Vegetation Strata:Tree - Woody plants 3 in. (7.6 cm) or more in dia breast height (DBH), regardless of height.Sapling/shrub - Woody plants less than 3 in. DBI greater than or equal to 3.28 ft (1 m) tall.Herb - All herbaceous (non-woody) plants, regar size, and woody plants less than 3.28 ft tall.0= Total CoverHydrophytic Vegetation Present? Yes _No

nches) Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	- — -						
			- —				·
	- — -						
			- —				
			- —				
			- —				
pe: C = Concentration, D = D	)epleti	on. RM = Reduce	d Ma	trix. MS =	Masked Sa	and Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix.
Iric Soil Indicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Polyvalue Be	elow s	Surface (S	8) (LRR R, I	MLRA 149B)	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Epipedon (A2)		Thin Dark Su			-	49B)	Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>
Black Histic (A3)		Loamy Muck	-		(LRR K, L)		5 cm Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
Hydrogen Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRR K, L)
Stratified Layers (A5) Depleted Below Dark Surfac	co (A11	Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
Thick Dark Surface (A12)	26 (711	Depleted Da					Thin Dark Surface (S9) (LRR K, L)
mick Bank Samace (M2)		Depicted Do					Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1)		Redox Depr	essio	ns (F8)			
		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5)		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) <b>(MLRA 149B)</b> Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5)		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) <b>(MLRA 149B)</b> Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b> Red Parent Material (F21)
_ Sandy Gleyed Matrix (S4)	LRA 14		essio	ns (F8)			<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> </ul>
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> I		19B)			e present	unless disturbe	<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> i dicators of hydrophytic vege		19B)			e present,	unless disturbe	<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> dicators of hydrophytic vege strictive Layer (if observed):		<b>19B)</b> and wetland hyc			ľ		<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> <li>ed or problematic.</li> </ul>
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Hydrology Photos



Vegetation Photos

Photo of Sample Plot



Project/Site: Excelsion		City/County: E	3yron, Genese	e County		Sampling Date: 2	019-May-30
Applicant/Owner: N	lextEra			State: 1	New York	Sampling Point: W-	JDV-12; PEM-1
Investigator(s): Jeff	/andeveer, IBF	)	Se	ction, Townsh	nip, Range:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relie	ef (concave, co	onvex, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR	L	Lat	: 43.0490571	Long:	-78.112081	Datum: WGS84
Soil Map Unit Name:	Ovid silt loar	n, 0 to 3 percent slopes				NWI classificat	ion: None
Are climatic/hydrologic	c conditions o	n the site typical for this time of	f year?	Yes 🟒	No (If no	o, explain in Remarks	5.)
Are Vegetation 🟒,		or Hydrology 🟒 significantly	•			tances" present?	Yes No 🟒
Are Vegetation,	Soil,	or Hydrology naturally pr	oblematic?	(If neede	ed, explain an	y answers in Remarl	ks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-12
Remarks: (Explain alternative procedur	es here or in a separate rep	ort)	
		rs are present. Circumstances are not normal due	to agricultural activities,
Landowner has installed drainage ditch	ies and severely disturbed t	he wetland.	

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	ie is required; check all the	at apply)	Secondary Indicators (min	imum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquatic I Marl Dep Hydroge	ained Leaves (B9) Fauna (B13) posits (B15) n Sulfide Odor (C1) I Rhizospheres on Living Roots (C	<ul> <li>Surface Soil Cracks (B6</li> <li>Drainage Patterns (B10</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Tab</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on A</li> </ul>	0) le (C2)
<ul> <li> Drift Deposits (B3)</li> <li>✓ Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Ima</li> <li> Sparsely Vegetated Concave Su</li> </ul>	Stunted or Stressed Pl. Geomorphic Position ( Shallow Aquitard (D3) Microtopographic Relio FAC-Neutral Test (D5)	D2)		
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches): 1		
Water Table Present?	Yes 🟒 No	Depth (inches): 0	Wetland Hydrology Prese	nt? Yes 🟒 No
Saturation Present?	Yes 🟒 No	Depth (inches): 0		
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monitoring well, aer	ial photos, previous inspections)	if available:	
Remarks:				
A positive indication of wetland hyd	drology was observed (pri	mary and secondary indicators v	vere present).	

Sampling Point: W-JDV-12; PEM-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant S			
		<u> </u>		Are OBL, FACW, or FAC	•	1	(A)
·				Total Number of Domir			
		<u> </u>		Across All Strata:		1	(B)
		·		Percent of Dominant S	pecies That	400	
4				Are OBL, FACW, or FAC		100	(A/B)
5		·		Prevalence Index works	sheet:		
5		·		Total % Cover	<u>of:</u>	Multiply B	<u>y:</u>
7				OBL species	30	x 1 =	30
	0	= Total Cov	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x 3 =	0
I				FACU species	0	x 4 =	0
2				UPL species	0	x 5 =	0
3				Column Totals	30	(A)	30 (B)
4						· · ·	30 (B)
5.				Prevalence Ir		1	
5.		······································		Hydrophytic Vegetation			
7.				1- Rapid Test for H		egetation	
	0	= Total Cov	er	2 - Dominance Te	st is >50%		
<u>Herb Stratum (Plot size: _5 ft</u> )				3 - Prevalence Ind	ex is $\leq 3.0^1$		
1. Typha angustifolia	30	Yes	OBL	4 - Morphological	Adaptations <sup>1</sup>	(Provide su	upporting
2.		103	ODL	data in Remarks or on	a separate sh	eet)	
				Problematic Hydr			
3		·		<sup>1</sup> Indicators of hydric so		, 0,	/ must be
4		<u> </u>		present, unless disturb		matic	
		·		Definitions of Vegetation	on Strata:		
5				Tree – Woody plants 3 i			ameter a
7		<u> </u>		breast height (DBH), re		-	
3				Sapling/shrub – Woody	•		BH and
Э				greater than or equal to			
10				Herb – All herbaceous			rdless of
11				size, and woody plants			
12.				Woody vines – All wood	ly vines great	er than 3.2	8 ft in
	30	= Total Cov	er	height.			
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )		•		Hydrophytic Vegetatio	n Present?	′es 🟒 No	
2.		· ·					
3.							
4.							
т	0	= Total Cov	or				
	0		ei				

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation). Vegetation is severely disturbed due to landowner ditch installation.

inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 8	10YR 4/2	95	10YR 5/6	5	С	Μ	Silty Clay	
8 - 16	10YR 5/1	90	10YR 4/4	10	C		Clay	
				·				
·		· —		·				
·		·		·				
				·				
		Deplet	ion, RM = Reduce	d Mat	rix, MS =	Masked Sa	nd Grains. <sup>2</sup> Lc	cation: PL = Pore Lining, M = Matrix.
ydric Soil II Histosol			Polyvalue Be	C	·			Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) (LRR K, L, MLRA 149B)
Stratified Depleted Thick Da Sandy M Sandy G Sandy Re	n Sulfide (A4) I Layers (A5) I Below Dark Surfa rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6)		Depleted Da Redox Depr	ed Ma atrix ( Surfa ark Su	itrix (F2) F3) ce (F6) rface (F7)			<ul> <li>5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</li> <li>Dark Surface (S7) (LRR K, L)</li> <li>Polyvalue Below Surface (S8) (LRR K, L)</li> <li>Thin Dark Surface (S9) (LRR K, L)</li> <li>Iron-Manganese Masses (F12) (LRR K, L, R)</li> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> <li>Other (Explain in Remarks)</li> </ul>
_ Dark Sur	face (S7) <b>(LRR R, N</b>							
ndicators c	of hydrophytic veg	etation	and wetland hyc	Irolog	y must be	e present,	unless disturbed	d or problematic.
ndicators c <b>estrictive L</b>	of hydrophytic veg ayer (if observed):	etation		Irolog	y must be			
ndicators c estrictive L	of hydrophytic veg	etation	n and wetland hyc	Irolog	y must be		unless disturbed	l or problematic. Yes _∠_ No

Vegetation Photos



Soil Photos

Photo of Sample Plot





Project/Site: Excelsion			City/County: B	yron, Genes	see County		Sampling Date	: 2019-May-31
Applicant/Owner: N	extEra				State:	New York	Sampling Point:	W-JDV-16; UPL-1
Investigator(s):	/andeveer, IBF	<b>b</b>		S	ection, Towns	ship, Range:		
Landform (hillslope, te	rrace, etc.):	Depression		Local rel	ief (concave,	convex, none	: None	Slope (%): 10-20
Subregion (LRR or MLF	RA): LRR	L		Lä	at: 43.07460	71 Long	<b>:</b> -78.1028243	Datum: WGS84
Soil Map Unit Name:	Ovid silt loar	n, 3 to 8 percent	slopes				NWI classifi	cation: None
Are climatic/hydrologic	c conditions o	n the site typical	for this time of	year?	Yes 🟒	_ No (If i	no, explain in Rema	arks.)
Are Vegetation,	Soil,	or Hydrology		disturbed?	Are "N	ormal Circum	stances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally pro	oblematic?	(If nee	ded, explain a	iny answers in Rem	iarks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No 🟒		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No	lf yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Area is upland, not all t	hree wetland parameter	s are present.	

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is	s required; check all that apply)	Secondary Indicators (minimum of two required)		
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	<ul> <li>Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>Marl Deposits (B15)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living Roots (C3)</li> </ul>	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>		
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Images Sparsely Vegetated Concave Surfac		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>		
Field Observations:				
Water Table Present? Ye	es No _ ✓ Depth (inches): es No _ ✓ Depth (inches): es No _ ✓ Depth (inches):	 Wetland Hydrology Present? Yes №		
(includes capillary fringe)		-		
	e, monitoring well, aerial photos, previous inspections), if	available:		
Remarks: No positive indication of wetland hydr	ology was observed.			

Sampling Point: W-JDV-16; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	<b>Dominance Test workshe</b> Number of Dominant Spe		0	(A)
. Quercus alba	65	Yes	FACU	Are OBL, FACW, or FAC:			(~)
. Crataegus crus-galli	15	No	FAC	Total Number of Domina Across All Strata:	nt Species	4	(B)
3 				Percent of Dominant Spe Are OBL, FACW, or FAC:	cies That	0	(A/B)
5				Prevalence Index worksh	oot:		
				- <u>Total % Cover of</u>		Multiply	D.c.
<u>.                                    </u>				- OBL species	<u>.</u> 0	x 1 =	<u>ру.</u> О
	80	= Total Cov	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )		_		FAC species		_	
. Malus sp.	10	Yes	NI	- FACU species	15	x 3 =	45
2 3 4 5				· · · ·	158	x 4 =	632
				- UPL species	0	x 5 = _	0
				- Column Totals	173	(A)	677 (B)
				Prevalence Inde	ex = B/A =	3.9	
				Hydrophytic Vegetation I	ndicators:		
				1- Rapid Test for Hy	drophytic \	/egetation	
7		Tabal Car		2 - Dominance Test	is > 50%		
	10	= Total Cov	er	3 - Prevalence Index	$i s \leq 3.0^1$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )			EA CL	4 - Morphological A	daptations	<sup>1</sup> (Provide	supporting
. Podophyllum peltatum		Yes	FACU	- data in Remarks or on a s	separate sh	neet)	
2. Parthenocissus quinquefolia	5	No	FACU	Problematic Hydrop	ohytic Vege	tation <sup>1</sup> (Ex	plain)
3				<sup>1</sup> Indicators of hydric soil a	and wetlan	d hydrolo	gy must be
ł				present, unless disturbed	d or proble	matic	
				Definitions of Vegetation	Strata:		
5				Tree – Woody plants 3 in.	(7.6 cm) o	r more in o	diameter a
7				breast height (DBH), rega	rdless of h	eight.	
3.				Sapling/shrub – Woody p	lants less t	han 3 in. [	OBH and
).				greater than or equal to 3	3.28 ft (1 m	) tall.	
0.				Herb – All herbaceous (no	on-woody)	plants, reg	gardless of
11				size, and woody plants le	ss than 3.2	8 ft tall.	
2				Woody vines – All woody	vines grea	ter than 3.	.28 ft in
	85	= Total Cov	or	height.			
		-	CI	Hydrophytic Vegetation	Present?	resN	lo 🖌
Noody Vine Stratum (Plot size: 20 ft )		Yes	FACU				
-	0	ies	FACU	-			
. Vitis aestivalis	8						
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> ) . <u>Vitis aestivalis</u>	8			-			
. Vitis aestivalis	8 			-			
. <u>Vitis aestivalis</u>	8 	= Total Cov		-			

Sampling Point: W-JDV-16; UPL-1

(inches)	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup> Tex	xture	Remarks
0 - 12	10YR 4/3	100			Silty C	lay Loam	
•		Depletio	n, RM = Reduced	Matrix, MS =	Masked Sand Grains. <sup>2</sup>	Location: PL = Pore L	*
	ndicators:					Indicators for Pro	blematic Hydric Soils <sup>3</sup> :
_ Histosol			•		8) (LRR R, MLRA 149B)	2 cm Muck (A1	0) (LRR K, L, MLRA 149B)
	oipedon (A2)				R, MLRA 149B)	Coast Prairie F	Redox (A16) <b>(LRR K, L, R)</b>
Black Hi	en Sulfide (A4)		Loamy Gleye	y Mineral (F1) d Matrix (F2)	(LKK N, L)		eat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Mat			Dark Surface (	
	d Below Dark Surf						w Surface (S8) <b>(LRR K, L)</b>
Thick Da	ark Surface (A12)		Depleted Dar	rk Surface (F7)	1		ace (S9) <b>(LRR K, L)</b> se Masses (F12) <b>(LRR K, L, R)</b>
_ Sandy N	lucky Mineral (S1)		Redox Depre	ssions (F8)		0	odplain Soils (F19) (MLRA 149B)
	ileyed Matrix (S4)						TA6) (MLRA 144A, 145, 149B)
-	edox (S5)					Red Parent Ma	
Strinner	l Matrix (S6)						Dark Surface (TF12)
	rface (S7) <b>(LRR R, N</b>	MLRA 149	9B)			Other (Explain	in Kennarksj
_ Dark Su				ology must be	e present, unless disturb		in Kentarksy
_ Dark Su	of hydrophytic veg	getation a		ology must be	e present, unless disturb		
_ Dark Su dicators strictive I	of hydrophytic veg .ayer (if observed)	getation a		ology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	ology must be	e present, unless disturb Hydric Soil Present?	ed or problematic.	/es No _∠_
Dark Su dicators strictive I	of hydrophytic veg .ayer (if observed)	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I marks:	of hydrophytic veg .ayer (if observed) Type: Depth (inches):	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I marks:	of hydrophytic veg . <b>ayer (if observed)</b> Type:	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su dicators strictive I marks:	of hydrophytic veg .ayer (if observed) Type: Depth (inches):	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su ndicators estrictive I emarks:	of hydrophytic veg .ayer (if observed) Type: Depth (inches):	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su ndicators estrictive I	of hydrophytic veg .ayer (if observed) Type: Depth (inches):	getation a	and wetland hydr	rology must be		ed or problematic.	
_ Dark Su ndicators estrictive I	of hydrophytic veg .ayer (if observed) Type: Depth (inches):	getation a	and wetland hydr	rology must be		ed or problematic.	
Dark Su dicators strictive I	of hydrophytic veg .ayer (if observed) Type: Depth (inches):	getation a	and wetland hydr	rology must be		ed or problematic.	





Project/Site: Excelsior	City/County: Byron, Genesee	Sampling Date: 2019-June-04
Applicant/Owner: NextEra	State: NY	Sampling Point: W-JJB-14; PEM-1
Investigator(s): Jake Brillo, Nick DeJohn	Section, Township, Range:	
Landform (hillslope, terrace, etc.): Swale	Local relief (concave, convex, none):	Flat Slope (%): 0-1
Subregion (LRR or MLRA): LRR L	Lat: 43.0554224784 Long:	-78.0454206561 Datum: WGS84
Soil Map Unit Name: Lyons silt loam, 0 to 3 p	ercent slopes	NWI classification: R4SB
Are climatic/hydrologic conditions on the site ty	pical for this time of year? Yes No _∠ (If no	, explain in Remarks.)
Are Vegetation, Soil, or Hydrolo	gy significantly disturbed? Are "Normal Circums	tances" present? Yes No 🟒
Are Vegetation, Soil, or Hydrolo	gy naturally problematic?     (If needed, explain an	y 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	Is the Sampled Area within a Wetland?	Yes 🯒 No _
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-JJB-14
Remarks: (Explain alternative procedures h	ere or in a separate repo	rt)	
TRC covertype is PEM. Circumstances are r	ot normal due to agricult	ural activities, Wetter than average year	

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	e is required; check all t	hat apply)		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquatio Marl D Hydrog	Stained Leaves (B9) c Fauna (B13) eposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Living	Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li>_ Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Ima</li> <li> Sparsely Vegetated Concave Su</li> </ul>	Recent Thin M agery (B7) Other (	ce of Reduced Iron (C4) Iron Reduction in Tilled So uck Surface (C7) Explain in Remarks)	oils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	3	
Water Table Present?	Yes 🖌 No	Depth (inches):	1	- Wetland Hydrology Present? Yes _∠_ No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	-
(includes capillary fringe)				-
Describe Recorded Data (stream ga	auge, monitoring well, a	erial photos, previous insp	ections), if	available:
Remarks: Agriculture drainage swale				

Sampling Point: W-JJB-14; PEM-1

<u>Free Stratum</u> (Plot size: <u>30 ft</u> )	Absolute	Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Tha	t 1	(A)
·				Total Number of Dominant Specie	s	
				Across All Strata:	ິ 1	(B)
		·		Percent of Dominant Species That	100	(4 (D)
				Are OBL, FACW, or FAC:	100	(A/B)
		·		Prevalence Index worksheet:		
		·		Total % Cover of:	Multiply I	<u>By:</u>
·				OBL species 80	x 1 =	80
	0	= Total Cov	er	FACW species 0	x 2 =	0
<u>apling/Shrub Stratum</u> (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
·				FACU species 0	x 4 =	0
				UPL species 0	x 5 =	0
				Column Totals 80	(A)	80 (B)
				Prevalence Index = B/A	_ `` _	
				Hydrophytic Vegetation Indicators		
				- 1- Rapid Test for Hydrophytic		
				2 - Dominance Test is >50%	, vegetation	
	0	= Total Cov	er	✓ 3 - Prevalence Index is $\leq$ 3.0	1	
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptation		supportin
. Typha latifolia	55	Yes	OBL	- data in Remarks or on a separate		supportin
. Ranunculus sceleratus	15	No	OBL	<ul> <li>Problematic Hydrophytic Veg</li> </ul>		nlain)
3. Eleocharis obtusa	10	No	OBL	Indicators of hydric soil and wetla	-	
ł.				present, unless disturbed or prob		Sy mase S
				Definitions of Vegetation Strata:		
j				Tree – Woody plants 3 in. (7.6 cm)	or more in c	liameter a
7.				breast height (DBH), regardless of		
				Sapling/shrub – Woody plants less		OBH and
· · · · · · · · · · · · · · · · · · ·				greater than or equal to 3.28 ft (1		
				Herb – All herbaceous (non-wood	/) plants, reg	gardless o
0				size, and woody plants less than 3		
11		·		Woody vines – All woody vines gre	ater than 3.	28 ft in
2	80	= Total Cov	or	height.		
Noody Vine Stratum (Plot size: <u>30 ft</u> )	00			Hydrophytic Vegetation Present?	Yes _ 🖌 N	lo
				, , , , , , , , , , , , , , , , , , , ,		
		·		-		
		<u> </u>		-		
۶				-		
1		<u> </u>		-		
	0	= Total Cov	er			

(inches)	Matrix		Redox	Feat	ures			
<u> </u>	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 9	10YR 5/2	85	10YR 7/6	8	С	. <u> </u>	Silty Clay	
0 - 9	2.5Y 6/1		2.5Y 6/1	7	D	М		
/pe: C = C	oncentration, D = I	Depleti	on, RM = Reduced	d Mat	rix, MS =	Masked Sa	and Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix.
	ndicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be	low S	Surface (S	58) <b>(LRR R,</b>	MLRA 149B)	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
-	ipedon (A2)		Thin Dark Su					Coast Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Loamy Muck	y Mir	neral (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 Ma					Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ice (A1						Thin Dark Surface (S9) (LRR K, L)
_	rk Surface (A12)		_ ∠ Depleted Da			)		Iron-Manganese Masses (F12) <b>(LRR K, L, R)</b>
	lucky Mineral (S1)		Redox Depre	essior	1S (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	leyed Matrix (S4)							Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
	POOX (55)							Red Parent Material (F21)
_ Sandy R								
_ Stripped	l Matrix (S6)							Very Shallow Dark Surface (TF12)
_ Stripped		ILRA 14	9B)					Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
_ Strippec _ Dark Su	l Matrix (S6)			rolog	y must b	e present,	unless disturbe	Other (Explain in Remarks)
_ Stripped _ Dark Sun	l Matrix (S6) rface (S7) <b>(LRR R, N</b>	etation		rolog	y must b	e present,	unless disturbe	Other (Explain in Remarks)
_ Stripped _ Dark Sun idicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, N</b> of hydrophytic veg	etation		rolog	y must b		unless disturbe bil Present?	Other (Explain in Remarks)
Stripped Dark Sun dicators d strictive L	l Matrix (S6) rface (S7) <b>(LRR R, N</b> of hydrophytic veg <b>ayer (if observed):</b>	etation	and wetland hyd	rolog	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Strippec Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Strippec Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Strippec Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Strippec Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Strippec Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	-	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog -	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog	y must b			Other (Explain in Remarks) ed or problematic.
Stripped Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	-	y must b			Other (Explain in Remarks) ed or problematic.
_ Stripped _ Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	-	y must b			Other (Explain in Remarks) ed or problematic.
_ Stripped _ Dark Sun ndicators o estrictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog	y must b			Other (Explain in Remarks) ed or problematic.
_ Stripped _ Dark Sun ndicators of estrictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	-	y must b			Other (Explain in Remarks) ed or problematic.
_ Stripped _ Dark Sun ndicators o estrictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	-	y must b			Other (Explain in Remarks) ed or problematic.
_ Stripped _ Dark Sun ndicators o estrictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog	y must b			Other (Explain in Remarks) ed or problematic.
_ Strippec _ Dark Sun dicators of strictive L	l Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg a <b>yer (if observed):</b> Type:	etation	and wetland hyd Rocks	rolog	y must b			Other (Explain in Remarks) ed or problematic.

Hydrology Photos



#### Soil Photos





Project/Site: Excelsion		City/County: E	Byron, Genesee	e County		Sampling Date:	2019-May-30
Applicant/Owner: N	lextEra			State:	New York	Sampling Point:	W-JDV-10; PEM-1
Investigator(s): Jeff	/andeveer, IBI	0	Sec	tion, Towns	hip, Range:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relie	f (concave, c	onvex, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR	L	Lat:	43.073610	2 Long:	-78.1026795	Datum: WGS84
Soil Map Unit Name:	Ontario loar	n, 3 to 8 percent slopes				NWI classifi	cation: None
Are climatic/hydrologi	c conditions o	n the site typical for this time o	of year?	Yes 🖌	No (If no	o, explain in Rema	arks.)
•	Soil, Soil,	or Hydrology significantly or Hydrology naturally pr	-			tances" present? ly answers in Rem	

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JDV-10
Remarks: (Explain alternative procedures h	ere or in a separate report	)	
TRC covertype is PEM. Area is wetland, all the	nree wetland parameters a	are present. Circumstances are not normal due to ag	ricultural activities

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	<u>e is required; check all t</u>	<u>hat apply)</u>		Secondary Indicators (minimum of two required)
<ul> <li>✓ Surface Water (A1)</li> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquatio Marl D Hydrog	Stained Leaves (B9) c Fauna (B13) eposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Living	Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li> Drift Deposits (B3)</li> <li>_ Algal Mat or Crust (B4)</li> <li> Iron Deposits (B5)</li> <li> Inundation Visible on Aerial Ima</li> <li> Sparsely Vegetated Concave Su</li> </ul>		oils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>	
Field Observations:				
Surface Water Present?	Yes 🟒 No	Depth (inches):	1	
Water Table Present?	Yes 🟒 No	Depth (inches):	0	- Wetland Hydrology Present? Yes _∠_ No
Saturation Present?	Yes 🟒 No	Depth (inches):	0	
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monitoring well, a	erial photos, previous insļ	pections), if	available:
A positive indication of wetland hyd	drology was observed (p	rimary and secondary inc	licators wer	e present).

Sampling Point: W-JDV-10; PEM-1

Tree Stratum (Plot size: <u>30 ft</u> )		e Dominant		Dominance Test work			
	% Cover	Species?	Status	Number of Dominant Are OBL, FACW, or FA	•	1	(A)
·				Total Number of Dom			
				Across All Strata:	iniant species	1	(B)
		·		Percent of Dominant	Species That	100	(A (D)
ł 5.		. <u> </u>		Are OBL, FACW, or FA	C:	100	(A/B)
		·		Prevalence Index wor	ksheet:		
·				Total % Cove	<u>er of:</u>	Multiply By	<u>/:</u>
		= Total Cov	or	OBL species	35	x 1 =	35
apling/Shrub Stratum (Plot size: <u>15 ft</u> )	0		ei	FACW species	0	x 2 =	0
				FAC species	0	x 3 =	0
				FACU species	0	x 4 =	0
				UPL species	0	x 5 =	0
	·	·		Column Totals	35	(A)	35 (B)
				Prevalence	Index = B/A =	1	
5	·			Hydrophytic Vegetati	on Indicators:		
·		<u> </u>		1- Rapid Test for		egetation	
7				2 - Dominance 1	Fest is >50%	•	
	0	= Total Cov	er	3 - Prevalence Ir	ndex is $\leq 3.0^1$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphologic	al Adaptations <sup>1</sup>	(Provide su	pportin
	35	Yes	OBL	data in Remarks or o			
<u> </u>				Problematic Hy	drophytic Vege	tation <sup>1</sup> (Exp	lain)
3				<sup>1</sup> Indicators of hydric s	soil and wetlan	d hydrology	must b
ł				present, unless distu	rbed or probler	matic	
				Definitions of Vegeta	tion Strata:		
				Tree – Woody plants	3 in. (7.6 cm) or	more in dia	ameter a
7				breast height (DBH),	regardless of h	eight.	
3				Sapling/shrub - Woo	dy plants less tl	han 3 in. DE	BH and
)				greater than or equa			
0				Herb – All herbaceou			rdless o
1.				size, and woody plan			
2				Woody vines – All wo	ody vines great	er than 3.2	8 ft in
	35	= Total Cov	er	height.			
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetat	ion Present?	/es 🟒 No	
·							
· · · · · · · · · · · · · · · · · · ·							
3.		·		·			
1.				•			
···	0	= Total Cov	er	•			

A positive indication of hydrophytic vegetation was observed (>50% of dominant species indexed as OBL, FACW, or FAC). A positive indication of hydrophytic vegetation was observed (Prevalence Index is  $\leq$  3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

## Sampling Point: W-JDV-10; PEM-1

inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 10	10YR 4/3	95	10YR 5/6	5	С	M Sil	ty Clay Loam	
	10YR 4/2		2.5Y 2.5/1					
pe: C = C	Concentration, D = D	Pepletio	on, RM = Reduced	Mat	rix, MS =	Masked Sand Grain	s. <sup>2</sup> Location: PL = Po	re Lining, M = Matrix.
dric Soil	Indicators:						Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histosol			,			8) (LRR R, MLRA 149	B) 2 cm Muck	(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)					R, MLRA 149B)	Coast Prai	rie Redox (A16) <b>(LRR K, L, R)</b>
	stic (A3) en Sulfide (A4)		Loamy Muck	-		(LRR K, L)	5 cm Muck	ky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma					ace (S7) <b>(LRR K, L)</b>
	d Below Dark Surfa	ce (A11						Below Surface (S8) (LRR K, L)
•					rfaco (E7)		Thin Dark	Surface (S9) <b>(LRR K, L)</b>
Thick Da	ark Surface (A12)		Depleted Dat	rk Su	nace (F7)		luce Meno	
	ark Surface (A12) Iucky Mineral (S1)		Depleted Dat Redox Depre				0	anese Masses (F12) <b>(LRR K, L, R)</b>
Sandy N	· · ·		•				Piedmont	Floodplain Soils (F19) <b>(MLRA 149B)</b>
Sandy N Sandy O	lucky Mineral (S1)		•				Piedmont Mesic Spoo	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy N Sandy G Sandy R	lucky Mineral (S1) Gleyed Matrix (S4)		•				Piedmont Mesic Spor Red Paren	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21)
Sandy M Sandy G Sandy R Sandy R	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)	LRA 14	Redox Depre				Piedmont Mesic Spor Red Paren Very Shallo	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy M Sandy G Sandy R Stripped Dark Su	Mucky Mineral (S1) Gleyed Matrix (S4) Gledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b>		Redox Depre	essior	ns (F8)		Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks)
Sandy M Sandy G Sandy R Stripped Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Gledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege		Redox Depre	essior	ns (F8)		Piedmont Mesic Spor Red Paren Very Shallo	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks)
Sandy M Sandy G Sandy R Stripped Dark Su dicators strictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed):		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)		Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks)
Sandy M Sandy G Sandy R Strippec Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Ledox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed):		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Strippec Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su icators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Strippec Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su <u>dicators</u> <b>trictive I</b>	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su <u>dicators</u> <b>trictive I</b>	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Strippec Dark Su licators trictive I	Mucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type:		Redox Depre 19B) and wetland hydr Gravel	essior	ns (F8)	e present, unless dis	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I	Aucky Mineral (S1) Gleyed Matrix (S4) Eedox (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):		Redox Depre	rolog	y must be	e present, unless dis Hydric Soil Presen	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (TF12) blain in Remarks) c. Yes/_ No
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I marks:	Mucky Mineral (S1) Gleyed Matrix (S4) (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):	soil was	Redox Depre	rolog 	y must be	e present, unless dis Hydric Soil Presen to agricultural activi	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (TF12) blain in Remarks) c. Yes/_ No
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I narks:	Mucky Mineral (S1) Gleyed Matrix (S4) (S5) d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):	soil was	Redox Depre	rolog 	y must be	e present, unless dis Hydric Soil Presen	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (TF12) blain in Remarks) c. Yes/_ No
Sandy M Sandy G Sandy R Stripped Dark Su dicators trictive I narks:	Mucky Mineral (S1) Gleyed Matrix (S4) (S5) Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):	soil was	Redox Depre	rolog 	y must be	e present, unless dis Hydric Soil Presen to agricultural activi	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (TF12) blain in Remarks) c. Yes/_ No
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I narks:	Mucky Mineral (S1) Gleyed Matrix (S4) (S5) Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):	soil was	Redox Depre	rolog 	y must be	e present, unless dis Hydric Soil Presen to agricultural activi	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (TF12) blain in Remarks) c. Yes/_ No
Sandy M Sandy G Sandy R Stripped Dark Su dicators trictive I narks:	Mucky Mineral (S1) Gleyed Matrix (S4) (S5) Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):	soil was	Redox Depre	rolog 	y must be	e present, unless dis Hydric Soil Presen to agricultural activi	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) <b>(MLRA 149B)</b> dic (TA6) <b>(MLRA 144A, 145, 149B)</b> t Material (F21) ow Dark Surface (TF12) olain in Remarks) c.
Sandy M Sandy G Sandy R Stripped Dark Su licators trictive I marks:	Mucky Mineral (S1) Gleyed Matrix (S4) (S5) Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic vege Layer (if observed): Type: Depth (inches):	soil was	Redox Depre	rolog 	y must be	e present, unless dis Hydric Soil Presen to agricultural activi	Piedmont Mesic Spor Red Paren Very Shallo Other (Exp sturbed or problemati	Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (TF12) blain in Remarks) c. Yes/_ No

Soil Photos



Photo of Sample Plot







Project/Site: Excelsion			City/County: Byron, Ge	enesee Cou	inty			Sampling Date:	2019-May-29
Applicant/Owner: N	lextEra				State:	New Yor	k	Sampling Point: \	W-JDV-05; UPL-1
Investigator(s): Jeff	/andeveer, IBI	þ		Section,	Towns	hip, Rang	ge:		
Landform (hillslope, te	rrace, etc.):	Plain	Local	l relief (con	icave, c	convex, n	one):	Flat	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR	L		Lat: 43.0	087305	57 I	ong:	-78.0834567	Datum: WGS84
Soil Map Unit Name:	Lakemont si	lty clay loam						NWI classific	ation: PFO
Are climatic/hydrologic	c conditions o	n the site typical	for this time of year?	Ye	es 🖌	No	(If no	, explain in Rema	rks.)
-			significantly disturbe naturally problemati					ances" present? y answers in Rem	Yes 🟒 No arks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No	lf yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Area is upland, not all t	hree wetland parameter	s are present.	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	<u>e is required; check all that apply)</u>	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Livi	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		Stunted or Stressed Plants (D1)
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)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous i	ispections), if available:

## Sampling Point: W-JDV-05; UPL-1

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	2	(4)
1. Quercus bicolor	45	Yes	FACW	Are OBL, FACW, or FAC:	Z	(A)
2. Quercus alba	25	Yes	FACU	Total Number of Dominant Species	; 6	(B)
3. Fraxinus americana	15	No	FACU	Across All Strata:		
4. <i>Betula papyrifera</i>	10	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC:	33.3	(A/B)
5				Prevalence Index worksheet:		
				Total % Cover of:	Multiply I	<u>By:</u>
7		<u> </u>		OBL species 0	x 1 =	0
	95	= Total Cov	er	FACW species 65	x 2 =	130
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 5	x 3 =	15
	15	Yes	FACU	FACU species 133	x 4 =	532
2				UPL species 0	x 5 =	0
3				Column Totals 203	(A)	677 (B)
				Prevalence Index = B/A =		
j				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic		
				2 - Dominance Test is > 50%	vegetation	
	15	= Total Cov	er	$3 - Prevalence Index is \le 3.0^1$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptation	c1 (Drovida	supporting
. Tussilago farfara	40	Yes	FACU	data in Remarks or on a separate s		supporting
2. Quercus bicolor	20	Yes	FACW	Problematic Hydrophytic Veg	-	nlain)
3. <i>Fraxinus americana</i>	12	No	FACU	<sup>1</sup> Indicators of hydric soil and wetla	-	
4. Hesperis matronalis	8	No	FACU	present, unless disturbed or proble	, ,	, <b>y</b> ase a
5. Toxicodendron radicans	5	No	FAC	Definitions of Vegetation Strata:		
5.				Tree – Woody plants 3 in. (7.6 cm) of	or more in c	liameter a
7.				breast height (DBH), regardless of		
3.				Sapling/shrub – Woody plants less	than 3 in. D	BH and
).				greater than or equal to 3.28 ft (1 r	n) tall.	
10.				Herb – All herbaceous (non-woody	) plants, reg	ardless of
11				size, and woody plants less than 3.	28 ft tall.	
12.				Woody vines – All woody vines grea	ater than 3.	28 ft in
	85	= Total Cov	er	height.		
Noody Vine Stratum (Plot size: <u>30 ft</u> )		10001 000		Hydrophytic Vegetation Present?	Yes N	∘_∕_
1. Vitis aestivalis	8	Yes	FACU			
2.	0	103	17.00	•		
2 3.						
4						
	8	= Total Cov	er			

Sampling Point: W-JDV-05; UPL-1

20       10YR 4/3       100
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Stratified Layers of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Stratified Layers of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Stratified Layers of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Stratified Layers of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         Depleted Matrix (F3)       Depleted Matrix (F3)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Gandy Mucky Mineral (S1)       Redox Depressions (F8)         Sandy Gleyed Matrix (S4)       Mesic Spodic (TA6) (MLRA 1449B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Startace of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         Depleted Matrix (F3)       Depleted Matrix (F3)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Gandy Mucky Mineral (S1)       Redox Depressions (F8)         Sandy Gleyed Matrix (S4)       Mesic Spodic (TA6) (MLRA 1449B)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Startace of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
ric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>2</sup> :         distosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         distic 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)         'hick Dark Surface (A12)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Stratified Layers of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
Istic 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)         Istratified Layers (A5)       Depleted Matrix (F3)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)         Thin Dark Surface (A12)       Depleted Dark Surface (F7)         Gandy Gleyed Matrix (S4)       Redox Depressions (F8)         Sandy Redox (S5)       Red Parent Material (F21)         Stripped Matrix (S6)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Red Parent Material (F21)         Oark Surface (S7) (LRR R, MLRA 149B)       Other (Explain in Remarks)         Icators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)
Type: None Hydric Soil Present? Yes No ∡ Depth (inches):

Soil Photos



Photo of Sample Plot

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC





Project/Site: Excelsion		Ci	ty/County: Byr	on, Genesee			Sampling Date:	2019-May-30
Applicant/Owner: N	extEra				State: NY		Sampling Point: \	N-JJB-06; PFO-6
Investigator(s): Jake	Brillo, Rebecca	Cosgrove		Sect	ion, Township, Ra	inge:		
Landform (hillslope, te	rrace, etc.):	Depression		Local relief	(concave, convex,	, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLR	RA): LRR L			Lat:	43.0760870548	Long:	-78.0540085026	Datum: WGS84
Soil Map Unit Name:	Newstead silt	loam, 0 to 3 perc	ent slopes				NWI classific	ation:
Are climatic/hydrologic	conditions on	the site typical fo	r this time of ye	ear?	Yes 🟒 No 🔄	(If n	o, explain in Remai	rks.)
Are Vegetation,	Soil, o	or Hydrology	_ significantly d	isturbed?	Are "Normal (	Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil, o	or Hydrology	_ naturally prob	olematic?	(If needed, ex	plain ar	y answers in Rema	arks.)

## SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes 🟒 No Yes 🏒 No	Is the Sampled Area within a Wetland?	Yes 🧹 No
Wetland Hydrology Present?	Yes _ No	If yes, optional Wetland Site ID:	W-JJB-06
Remarks: (Explain alternative procedur	es here or in a separate re	port)	
TRC covertype is PFO.			

Primary Indicators (minimum of one is required; check all that apply)       Secondary Indicators (minimum of two required)	Wetland Hydrology Indicators:					
High Water Table (A2)	Primary Indicators (minimum of c	one is required; o	heck all that ap	oply)		Secondary Indicators (minimum of two required)
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)	<ul> <li>✓ High Water Table (A2)</li> <li>✓ Saturation (A3)</li> <li>Water Marks (B1)</li> </ul>	-	Aquatic Faun Marl Deposit Hydrogen Su	a (B13) s (B15) lfide Odor (C1)	g Roots (C3)	<ul> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> </ul>
Field Observations:   Surface Water Present?   Yes No   Water Table Present?   Yes No   Depth (inches):   12   Wetland Hydrology Present?   Yes No   Saturation Present?   Yes No   Depth (inches):   0   (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In	– – nagery (B7)	_ Recent Iron F _ Thin Muck Su	Reduction in Tilled urface (C7)	Soils (C6)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> </ul>
Water Table Present? Yes _   Yes _ No   Saturation Present? Yes _   Yes _ No   Depth (inches): 0   (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Saturation Present?       Yes No Depth (inches):       0         (includes capillary fringe)       0         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Present?	Yes No _	🖌 D	epth (inches):		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table Present?	Yes 🟒 No _	D	epth (inches):	12	- Wetland Hydrology Present? Yes _∠_ No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Saturation Present?	Yes 🟒 No _	D	epth (inches):	0	-
	(includes capillary fringe)					-
		gauge, monitorir	ng well, aerial p	hotos, previous ins	spections), if	available:

Sampling Point: W-JJB-06; PFO-6

1. Acer rubrum     20       2. Tilia americana     10       3.		FAC FACU	Are OBL, FACW, or FAC Total Number of Domi	-	5	(A)
3.		FACU		nant Species		
4			Across All Strata:	nanc species	6	(B)
5			Percent of Dominant S Are OBL, FACW, or FAC		83.3	3 (A/B)
5			Prevalence Index work			
·			Total % Cover		Multiply	/ Bv:
			OBL species	0	x 1 =	 0
=	Total Cover		FACW species	40	x 2 =	80
apling/Shrub Stratum (Plot size: <u>15 ft</u> )			FAC species	55	x 3 =	165
. Lindera benzoin 30	Yes	FACW	FACU species	60	x 4 =	240
. Carpinus caroliniana 15	Yes	FAC	UPL species	0	x 5 =	0
3			Column Totals	-		
			-	155	(A)	485 (B)
j				ndex = B/A =	3.1	<u> </u>
			Hydrophytic Vegetation			
			1- Rapid Test for I	5 1 5	egetatio	n
	Total Cover		2 - Dominance Te	st is >50%		
lerb Stratum (Plot size: 5 ft)			3 - Prevalence Inc	dex is $\leq 3.0^1$		
. Onoclea sensibilis 10	Yes	FACW	4 - Morphological			supporting
	Percent cover	FACI	data in Remarks or on	•		
,	cannot be greater		Problematic Hydr	1 2 0	-	
2. Parthenocissus guinguetolia 5()	than a previous	FACU	<sup>1</sup> Indicators of hydric so			ogy must be
	species		present, unless disturb	ed or problen	natic	
3. Toxicodendron radicans 20	Yes	FAC	Definitions of Vegetation	on Strata:		
		Inc	Tree – Woody plants 3			diameter a
k i.			breast height (DBH), re		-	
			Sapling/shrub – Woody			DBH and
			greater than or equal t			
7			Herb – All herbaceous			gardless of
3			size, and woody plants			
)			Woody vines – All woo	dy vines great	er than 3	3.28 ft in
0			height.			
			Hydrophytic Vegetatic	on Present? Y	es 🟒	No
2.						
	Total Cover		1			
<u> </u>						
1.						
· · · · · · · · · · · · · · · · · · ·			·			
			·			
3			•			
4	Total Cover					

Depth (inches)	Matrix	to the d	-	locum k Feati		indicator or	confirm the al	bsence of indicators.)
	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 5	10YR 3/1	100			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Loam	
5 - 16	10YR 5/2	80	7.5YR 5/6	20	С	M	Clay Loar	n
5 10	1011(3)2		7.511(5)0				Cidy Loui	····
					·	<u> </u>		
					. <u> </u>	<u> </u>		
	Concentration, D =	Depleti	on, RM = Reduce	d Matr	ix, MS =	Masked Sar	nd Grains. <sup>2</sup> Le	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil								Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be					2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Ep Black Hi	pipedon (A2)		Thin Dark Su				19B)	Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye	-		(LKK K, L)		5 cm Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Ma					Dark Surface (S7) <b>(LRR K, L)</b>
	d Below Dark Surf	ace (A11						Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted Da			)		Thin Dark Surface (S9) (LRR K, L)
Sandy N	/lucky Mineral (S1)		Redox Depr					Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy G	Gleyed Matrix (S4)							Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)							Red Parent Material (F21)
	irface (S7) (LRR R, I	MLRA 14	l9B)					Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
	of hydrophytic veg Layer (if observed)	-	and wetland hyd	rology	must be	e present, u	nless disturbe	d or problematic.
	-	•	Nono			Hydric Soi	Drocont?	Yes 🟒 No
	Type:		None	-		Figuric 30	rresent	
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
Remarks:	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							
	Depth (inches):							

Project/Site: Excelsion	City/Cou	nty: Byron, Genese	2		Sampling Date: 2019-June-03			
Applicant/Owner: N	pplicant/Owner: NextEra					Sampling Point: W-JJB-13; UPL-1		
Investigator(s): Jake	Brillo, Nick De	John	Sec	tion, Township, Ra	ange:			
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relie	(concave, convex	, none):	Convex	Slope (%): 2-5	
Subregion (LRR or MLF	RA): LRR I	-	Lat:	43.060680572	Long:	-78.0541544315	Datum: WGS84	
Soil Map Unit Name:	Appleton silt	loam, 0 to 3 percent slop	pes			NWI classific	ation:	
Are climatic/hydrologi	c conditions or	the site typical for this t	time of year?	Yes No	🖌 (lf no,	explain in Remark	(S.)	
Are Vegetation,	Soil,	or Hydrology signif	icantly disturbed?	Are "Normal	Circums	tances" present?	Yes No 🟒	
Are Vegetation,	Soil,	or Hydrology natur	ally problematic?	(If needed, e>	kplain an	y answers in Rema	arks.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	
Remarks: (Explain alternative procedures her	e or in a separate report	)	
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year	

Wetland Hydrology Indicators:		
Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Ima</li> <li>Sparsely Vegetated Concave Sur</li> </ul>		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspections), if	available:

Sampling Point: W-JJB-13; UPL-1

				Densionen Testendul	4.		
Tree Stratum (Plot size: <u>30 ft</u> )		Dominant		Dominance Test works			
	% Cover	Species?	Status	Number of Dominant S	•	0	(A)
1				Are OBL, FACW, or FAC			
2				Total Number of Domir	ant Species	1	(B)
3.				Across All Strata:			
4.				Percent of Dominant S		0	(A/B)
5.				Are OBL, FACW, or FAC			
6.				Prevalence Index works			
7.				<u>Total % Cover</u>	<u>of:</u>	<u>Multiply</u>	<u>By:</u>
/		Tabal Cause		OBL species	0	x 1 =	0
	0	= Total Cove	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x 3 =	0
1				FACU species	85	x 4 =	340
2				UPL species	0	x 5 =	0
3				Column Totals	85	(A)	340 (B)
4.				-			340 (B)
5.				Prevalence Ir		4	
6.				Hydrophytic Vegetation			
7.				1- Rapid Test for H	lydrophytic V	egetatior/	ו
/		- Tatal Caus		2 - Dominance Te	st is > 50%		
	0	= Total Cove	er	3 - Prevalence Ind	ex is $\leq 3.0^1$		
Herb Stratum (Plot size: <u>5 ft</u> )				4 - Morphological	Adaptations <sup>1</sup>	(Provide	supporting
1. <i>Dactylis glomerata</i>	85	Yes	FACU	data in Remarks or on			
2				Problematic Hydr	ophytic Veget	tation <sup>1</sup> (E	kplain)
3				<sup>1</sup> Indicators of hydric so			•
4.				present, unless disturb		-	0,
5.				Definitions of Vegetation			
6.				Tree – Woody plants 3 i		more in	diameter at
7.				breast height (DBH), re			didificter de
8.				Sapling/shrub – Woody	-	-	DBH and
				greater than or equal to			DDITAILO
9				Herb – All herbaceous (			gardless of
10				size, and woody plants			garaiess of
11				Woody vines – All wood			28 ft in
12				height.	ly villes great		.2010111
	85	= Total Cove	er				
Woody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetatio	n Present? Y	/es l	No _
1.							
2.							
3.							
4.							
···	0	= Total Cove	r				
Remarks: (Include photo numbers here or on a separat	e sheet.)						
Active agricultural field							
0							

with the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco	nches) Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histosol (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 Redox (S5)      Depleted Matrix (S4)         Sandy Redox (S5)      Red Parent Material (F21)         Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         trictive Layer (if observed):	0 - 5 10YR 4/2	100					Loam		
Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histosol (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 Redox (S5)      Depleted Matrix (S4)         Sandy Redox (S5)      Red Parent Material (F21)         Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         trictive Layer (if observed):				·					
Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)      Polyvalue Below Surface (S8) (LRR R, MLRA 149B)         Histosol (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 Redox (S5)      Depleted Matrix (S4)         Sandy Redox (S5)      Red Parent Material (F21)         Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         trictive Layer (if observed):				· —					
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ric 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) 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) Standy Mucky Mineral (S1)Redox Depressions (F8) Stripped Matrix (S4) Standy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type:Rocks Depth (inches):5									
ric 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) 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) Standy Mucky Mineral (S1)Redox Depressions (F8) Stripped Matrix (S4) Standy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type:Rocks Depth (inches):5				· —					
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Histic Epipedon (A2)								Indicators f	or Problematic Hydric Soils <sup>3</sup> :
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 (S6) Piedmont Floodplain Soils (F19) (MLRA 1449B)   Stripped Matrix (S6) Red Parent Material (F21)   Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks)   icators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.   Type: Rocks   Depth (inches): 5								2 cm Mi	uck (A10) <b>(LRR K, L, MLRA 149B)</b>
Hydrogen Sulfide (A4)      Loamy Gleyed Matrix (F2)      S Cff Mucky Peat Of Peat (S3) (LRK K, L, K)         Stratified Layers (A5)      Depleted Matrix (F3)      Dark Surface (S7) (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)      Inon-Manganese Masses (F12) (LRR K, L, R)         Sandy Mucky Mineral (S1)      Redox Depressions (F8)      Piedmont Floodplain Soils (F19) (MLRA 149B)         Sandy Redox (S5)									
Stratified Layers (A5)						(, _	· /		-
Depleted Below Dark Surface (A11) Redox Dark Surface (F6)									
Inick Dark Surface (A12)	1	•	/		. ,			-	
Sandy Gleyed Matrix (S4)									
Sandy Redox (S5)			Redox Depre	ssior	is (F8)			Piedmo	nt Floodplain Soils (F19) <b>(MLRA 149B)</b>
Stripped Matrix (S6)	Sandy Gleved Matrix (S4)							Mesic S	podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Dark Surface (S7) (LRR R, MLRA 149B)									
Licators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         trictive Layer (if observed):         Type:       Rocks         Depth (inches):       5	Sandy Redox (S5)							Red Par	ent Material (F21)
trictive Layer (if observed): Type:	Sandy Redox (S5) Stripped Matrix (S6)		) B					Very Sha	allow Dark Surface (TF12)
Type:     Rocks     Hydric Soil Present?     Yes No _✓       Depth (inches):     5	Sandy Redox (S5) Stripped Matrix (S6)	LRA 14	9B)					Very Sha	allow Dark Surface (TF12)
Depth (inches): 5	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> licators of hydrophytic vege			olog	y must b	e presen	t, unless disturbe	Very Sha Other (E	allow Dark Surface (TF12) Explain in Remarks)
	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> dicators of hydrophytic vege <b>trictive Layer (if observed):</b>		and wetland hydr	olog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
harks:	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>licators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type:		and wetland hydr Rocks	olog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>licators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks	olog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>icators of hydrophytic vege</u> trictive Layer (if observed): Type: Depth (inches):		and wetland hydr Rocks	rolog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
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	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>cators of hydrophytic vege</u> <b>rictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks	olog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
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	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>cators of hydrophytic vege</u> <b>rictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks	-olog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
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	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>licators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks	- 	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
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	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>licators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks	rolog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>icators of hydrophytic vege</u> trictive Layer (if observed): Type: Depth (inches):		and wetland hydr Rocks	- -	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
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	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>licators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks	olog	y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
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	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> dicators of hydrophytic vege trictive Layer (if observed): Type:		and wetland hydr Rocks	rolog	y must bi	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>dicators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks		y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.
	Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) <b>(LRR R, M</b> <u>licators of hydrophytic vege</u> <b>trictive Layer (if observed):</b> Type: Depth (inches):		and wetland hydr Rocks		y must b	ĺ		Very Sha Other (E ed or problem	allow Dark Surface (TF12) Explain in Remarks) natic.



Soil Photos



Photo of Sample Plot



Project/Site: Excelsion		City/County: E	Byron, Genesee			Sampling Date: 2019-June-14		
Applicant/Owner: N	extEra			State: NY		Sampling Point: W-JJB-36; PFO-1		
Investigator(s): Jake	Brillo, Isaac Pa	illant	Sect	ion, Township, Ra	inge:			
Landform (hillslope, te	rrace, etc.):	Stream Channel	Local relief	(concave, convex,	, none):	Flat	Slope (%): 0-1	
Subregion (LRR or MLR	RA): LRR L		Lat:	43.05395904	Long:	-78.0676427577	Datum: WGS84	
Soil Map Unit Name:	Wakeville silt	loam				NWI classifica	tion: PFO1A	
Are climatic/hydrologic	conditions on	the site typical for this time of	f year?	Yes No	🖊 (lf no,	explain in Remarks	5.)	
Are Vegetation, Are Vegetation,		or Hydrology significantly or Hydrology naturally pr	•			ances" present? v answers in Rema	Yes 🟒 No rks.)	
0		or Hydrology naturally pr	•			y answers in Rema		

# SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:	W-JJB-36
Remarks: (Explain alternative procedures he	ere or in a separate report	)	
TRC covertype is PFO. Wetter than average y	/ear		

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is	Secondary Indicators (minimum of two required)			
Surface Water (A1) High Water Table (A2) _✓ Saturation (A3) _✓ Water Marks (B1) Sediment Deposits (B2)	<ul> <li>✓ Water-Stained Leaves (B9)</li> <li>Aquatic Fauna (B13)</li> <li>Marl Deposits (B15)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres on Living Roots (C3)</li> </ul>			
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial Image</li> <li>Sparsely Vegetated Concave Surface</li> </ul>		Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Ye	s No 🟒 Depth (inches):			
Water Table Present? Ye	s No Depth (inches):	- Wetland Hydrology Present? Yes No		
Saturation Present? Ye	s ∡ No Depth (inches): 0	-		
(includes capillary fringe)		-		
Describe Recorded Data (stream gaug	e, monitoring well, aerial photos, previous inspections), if	available:		

# Sampling Point: W-JJB-36; PFO-1

ree Stratum (Plot size: <u>30 ft</u> )		Absolute Dominant % Cover Species?		<b>Dominance Test worksheet:</b> Number of Dominant Species That	6	
. Salix nigra	25	Yes	OBL	Are OBL, FACW, or FAC:	0	(A)
. Fraxinus pennsylvanica	18	Yes	FACW	Total Number of Dominant Species	6	(B)
. Crataegus crus-galli	15	Yes	FAC	Across All Strata:		(0)
<u></u>				Percent of Dominant Species That	100	(A/B)
				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		
				- <u>Total % Cover of:</u>	Multiply B	
	58	= Total Cov	er	- OBL species 35	x 1 =	35
apling/Shrub Stratum (Plot size: <u>15 ft</u> )		•		FACW species 83	x 2 =	166
. Crataegus crus-galli	15	Yes	FAC	FAC species 50	x 3 =	150
				- FACU species 0	x 4 =	0
				- UPL species 0	x 5 =	0
		·		- Column Totals <u>168</u>		351 (B
		·		Prevalence Index = B/A =	2.1	
		·		Hydrophytic Vegetation Indicators:		
· · · · · · · · · · · · · · · · · · ·				1- Rapid Test for Hydrophytic	Vegetation	
·	15	= Total Cov	er	2 - Dominance Test is >50%		
l <u>erb Stratum</u> (Plot size: <u>5 ft</u> )				$\checkmark$ 3 - Prevalence Index is $\leq 3.0^{1}$		
. Impatiens capensis	65	Yes	FACW	4 - Morphological Adaptations		upportin
. Urtica dioica	20	Yes	FAC	- data in Remarks or on a separate sl		
. Symplocarpus foetidus	10	No	OBL	Problematic Hydrophytic Vege		
			0.02	<ul> <li>Indicators of hydric soil and wetlar</li> </ul>		must b
· · · · · · · · · · · · · · · · · · ·				_ present, unless disturbed or proble	matic	
·				<ul> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) o</li> </ul>	r moro in di	amotor
·				breast height (DBH), regardless of h		ameter
·				Sapling/shrub – Woody plants less t	-	8H and
				greater than or equal to 3.28 ft (1 m		, in and
 0.				- Herb – All herbaceous (non-woody)		rdless o
				size, and woody plants less than 3.2	28 ft tall.	
2.				Woody vines – All woody vines grea	ter than 3.2	8 ft in
	95	= Total Cov	er	height.		
Voody Vine Stratum (Plot size: <u>30 ft</u> )			C1	Hydrophytic Vegetation Present?	Yes 🟒 No	
·				-		
		·		-		
·		·		-		
	0	= Total Cov	or	-		
	0					

	Matrix		Redox			indicator or confirm the	absence of II	
Depth (inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup> Textu	re	Remarks
0 - 12	7.5YR 3/1	75	2.5YR 4/6	25		Clay Lo	am	
ype: C = C	Concentration, D =	Depleti	ion, RM = Reduce	d Mat	rix, MS =	Masked Sand Grains.	<sup>2</sup> Location: PL	= Pore Lining, M = Matrix.
	Indicators:							for Problematic Hydric Soils <sup>3</sup> :
, _ Histosol			Polyvalue B	elow S	Surface (S	58) (LRR R, MLRA 149B)		Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
_ Histic Ep	pipedon (A2)		Thin Dark S	urface	(S9) <b>(LRF</b>	R R, MLRA 149B)		Prairie Redox (A16) (LRR K, L, R)
_ Black Hi			Loamy Muc	-		(LRR K, L)		Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gley					Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted M		-		Polyva	alue Below Surface (S8) <b>(LRR K, L)</b>
	d Below Dark Surfa ark Surface (A12)	ace (Al	<ol> <li>T) Z Redox Dark</li> <li> Depleted Dark</li> </ol>			)	Thin D	0ark Surface (S9) <b>(LRR K, L)</b>
	lucky Mineral (S1)		Redox Depr			)	Iron-N	1anganese Masses (F12) <b>(LRR K, L, R)</b>
	leyed Matrix (S4)			035101	13 (10)			iont Floodplain Soils (F19) <b>(MLRA 149B)</b>
-	-							Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy R							Red Pa	arent Material (F21)
Sandy R Stripped								
Stripped	d Matrix (S6)	1LRA 14	49B)				-	hallow Dark Surface (TF12)
_ Stripped _ Dark Su	d Matrix (S6) rface (S7) <b>(LRR R, M</b>						Other	(Explain in Remarks)
_ Stripped _ Dark Su	d Matrix (S6) rface (S7) <b>(LRR R, M</b> of hydrophytic veg	etatior		irolog	y must b	e present, unless disturl	Other	(Explain in Remarks)
Stripped Dark Sundicators ( estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b>	etatior	and wetland hyd	lrolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior		1rolog	y must b	e present, unless disturl Hydric Soil Present?	Other	(Explain in Remarks)
Stripped Dark Su ndicators d estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> of hydrophytic veg L <b>ayer (if observed):</b>	etatior	and wetland hyd	drolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Su ndicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	lrolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	drolog 	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	łrolog -	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	drolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	łrolog -	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	drolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	drolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	drolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	lrolog	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
Stripped Dark Su ndicators d estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
Stripped Dark Su ndicators d estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	- -	<u>y must b</u>		Other	(Explain in Remarks) matic.
Stripped Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
Stripped Dark Su ndicators d estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Su ndicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.
_ Stripped _ Dark Sundicators of estrictive L	d Matrix (S6) rface (S7) <b>(LRR R, N</b> <u>of hydrophytic veg</u> Layer (if observed): Type:	etatior	and wetland hyd	-	y must b		Other	(Explain in Remarks) matic.

Vegetation Photos



Soil Photos



US Army Corps of Engineers

Photo of Sample Plot





Project/Site: Excelsior			/County: Byron, Gen	esee		Sampling Date: 2019-June-04			
Applicant/Owner: N	pplicant/Owner: NextEra				NY		Sampling Point: W-JJB-15; UPL-2		
Investigator(s): Jake	Brillo, Nick De	John		Section, Town	ship, Rar	nge:			
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local r	elief (concave,	convex,	none):	Flat	Slope (%): 0-1	
Subregion (LRR or MLF		Lat: 43.05430	47097	Long:	-78.0479466264	Datum: WGS84			
Soil Map Unit Name:	Ontario loar	n, 3 to 8 percent slop	bes				NWI classific	ation:	
Are climatic/hydrologi	c conditions o	n the site typical for t	his time of year?	Yes	_ No _🖌	(If no	, explain in Remark	<s.)< td=""></s.)<>	
Are Vegetation,	Soil,	or Hydrology s	ignificantly disturbed	? Are "N	lormal C	ircums	tances" present?	Yes No 🟒	
Are Vegetation,	Soil,	or Hydrology n	aturally problematic	? (If nee	ded, exp	olain an	y answers in Rema	arks.)	

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:				
Remarks: (Explain alternative procedures here or in a separate report)						
TRC covertype is UPL. Circumstances are not	normal due to agricultur	al activities, Wetter than average year				

Wetland Hydrology Indicators:			
Primary Indicators (minimum of on	e is required; check all that apply)	Secondary Indicators (minimum of two required)	
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>✓ Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>	
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li> Stunted or Stressed Plants (D1)</li> <li> Geomorphic Position (D2)</li> <li> Shallow Aquitard (D3)</li> <li> Microtopographic Relief (D4)</li> <li> FAC-Neutral Test (D5)</li> </ul>	
Field Observations:			
Surface Water Present?	Yes No Depth (inches):		
Water Table Present?	Yes No Depth (inches):	- Wetland Hydrology Present? Yes №	
Saturation Present?	Yes No Depth (inches):	-	
(includes capillary fringe)		-	
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspections), if a	available:	

Sampling Point: W-JJB-15; UPL-2

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test works Number of Dominant 9	Species That	0	(A)
1				Are OBL, FACW, or FAC			
2				Total Number of Domi Across All Strata:	nant species	0	(B)
3				<ul> <li>Percent of Dominant S</li> </ul>	nocios That		
4				- Are OBL, FACW, or FAC			(A/B)
5				Prevalence Index work			
6				Total % Cover		Multiply	Bv <i>r</i>
7.				– OBL species		x 1 =	<u>ру.</u> О
	0	= Total Cover		FACW species	0	-	0
Sapling/Shrub Stratum (Plot size: 15 ft	)			· ·	0	x 2 =	-
1				FAC species	0	x 3 =	0
2				– FACU species	0	x 4 =	0
3.				<ul> <li>UPL species</li> </ul>	0	x 5 =	0
4.				<ul> <li>Column Totals</li> </ul>	0	(A)	0 (B)
		·		Prevalence In	ndex = B/A =		
5				<ul> <li>Hydrophytic Vegetation</li> </ul>	n Indicators:		
6				1- Rapid Test for I		egetation	
7				2 - Dominance Te		0	
	0	= Total Cover		3 - Prevalence Inc	lex is $\leq 3.0^1$		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological		Provide	supporting
1				<ul> <li>data in Remarks or on</li> </ul>			supporting
2				Problematic Hydr			plain)
3				<ul> <li>Indicators of hydric sc</li> </ul>	1 2 0	-	
4.				present, unless disturb			by must be
5.				Definitions of Vegetation		liacie	
6.				_ Tree – Woody plants 3		r more in c	liameter at
7.				breast height (DBH), re			
8.				Sapling/shrub – Woody			BH and
9.				greater than or equal t			
				Herb – All herbaceous			ardless of
10				size, and woody plants			
11				- Woody vines - All wood			28 ft in
12				height.	ay vines great	ter than 5.	2010111
	0	= Total Cover			m Duranamt2 )	(a.a	
Woody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetatic	in Present?	res N	0
1				_			
2				_			
3							
4.							
	0	= Total Cover		-			
Remarks: (Include photo numbers here of Active agricultural field	r on a separat	e sheet.)					

(inches) Color (moist)	Redox	<pre>K Features</pre>		absence of indicator	
	% Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup> Texture	·	Remarks
0 - 8 10YR 4/3	100		Silt Loar	n	
<u> </u>			·		
			·		
			·		
· ·			· ·		
· ·					
			·		
			·		
· .			· ·	·	
· · · .			·		
		Matrix MC -	Masked Sand Grains 2	ocation: DL - Doro L	ining M - Matrix
Гуре: C = Concentration, D = De lydric Soil Indicators:	בטופטטו, אוא = אפטעכפט	i ividu ix, ivis =	iviaskeu sahu Grains. 2	_ocation: PL = Pore L	blematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Po	low Surface (	58) (LRR R, MLRA 149B)		2
Histic Epipedon (A2)	Thin Dark Su				0) (LRR K, L, MLRA 149B)
Black Histic (A3)	Loamy Muck				Redox (A16) <b>(LRR K, L, R)</b> eat or Peat (S3) <b>(LRR K, L, R)</b>
Hydrogen Sulfide (A4)	Loamy Gleye	d Matrix (F2)		Dark Surface (	
Stratified Layers (A5)	Depleted Ma				w Surface (S8) (LRR K, L)
Depleted Below Dark Surface			<b>N</b>	•	face (S9) <b>(LRR K, L)</b>
_ Thick Dark Surface (A12) _ Sandy Mucky Mineral (S1)	Depleted Dai Redox Depre		)	Iron-Mangane	se Masses (F12) <b>(LRR K, L, R)</b>
Sandy Gleyed Matrix (S4)		5510115 (FO)		Piedmont Floo	odplain Soils (F19) <b>(MLRA 149B)</b>
Sandy Redox (S5)					TA6) <b>(MLRA 144A, 145, 149B)</b>
Stripped Matrix (S6)				Red Parent M	
Dark Surface (S7) (LRR R, ML	.RA 149B)			Very Shallow I Other (Explair	Dark Surface (TF12)
					in Kenta Kaj
ndicators of hydrophytic veget	ation and wetland hydi	rology must b	e present, unless disturb	ed or problematic.	
estrictive Layer (if observed): Type:	Hard pan		Hydric Soil Present?	Yes	No (
Depth (inches):	8	-	riyune son riesent:	ies	
	0				
emarks:					

#### Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Excelsior		Cit	y/County: Byro	n, Genesee	County		Sampling Date:	2019-May-29
Applicant/Owner: N	extEra				State:	New York	Sampling Point:	W-JDV-05; UPL-2
Investigator(s): Jeff V	/andeveer, IBF			Sect	tion, Towns	hip, Range:		
Landform (hillslope, ter	rrace, etc.):	Agricultural Field	Ŀ	Local relief	(concave, c	onvex, none):	Flat	Slope (%): 0-1
Subregion (LRR or MLR	A): LRR I	-		Lat:	43.086548	5 Long:	-78.0820365	Datum: WGS84
Soil Map Unit Name:	Lakemont si	ty clay loam					NWI classifi	cation:
Are climatic/hydrologic	conditions or	the site typical for	this time of yea	ar?	Yes 🖌	_No (If n	o, explain in Rema	ırks.)
Are Vegetation 🟒,	Soil 🟒,	or Hydrology	significantly dis	sturbed?	Are "No	ormal Circums	stances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally proble	ematic?	(If need	ded, explain ai	ny answers in Rem	iarks.)

# SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	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 ID:				
Remarks: (Explain alternative procedures here or in a separate report)						
TRC covertype is UPL. Circumstances are not	TRC covertype is UPL. Circumstances are not normal due to agricultural activities					

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	that apply)	Secondary Indicators (minimum of two required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	Aquat Marl [ Hydro	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) gen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Inundation Visible on Aerial I</li> <li>Sparsely Vegetated Concave</li> </ul>	Recen Thin M magery (B7) Other	nce of Reduced Iron (C4) t Iron Reduction in Tilled Soils (C6) ⁄luck Surface (C7) (Explain in Remarks)	<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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)			-
Remarks:	i gauge, monitoring well, a	aerial photos, previous inspections), if a	available:

Sampling Point: W-JDV-05; UPL-2

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:			
		Species?	Status	Number of Dominant Species Are OBL, FACW, or FAC:	s That	0	(A)
·		·		Total Number of Dominant Sp Across All Strata:	pecies	1	(B)
3 1				<ul> <li>Percent of Dominant Species</li> <li>Are OBL, FACW, or FAC:</li> </ul>	That	0	_ (A/B)
5				Prevalence Index worksheet:			-
6				- <u>Total % Cover of:</u>	Mult	tiply By:	
7				- OBL species 0			0
	0	= Total Cov	er	FACW species 0			0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0			0
l				- FACU species 0			0
2				- UPL species 0			0
3				- Column Totals 0			(B)
1				Prevalence Index =	( )	0	(0)
5						-	
5.				Hydrophytic Vegetation Indic			
7.				1- Rapid Test for Hydrop		ation	
	0	= Total Cov	er	2 - Dominance Test is >			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )		-		3 - Prevalence Index is ≤			
. Glycine max	20	Yes	NI	4 - Morphological Adapt		vide supp	portin
2.				- data in Remarks or on a sepa			
				Problematic Hydrophyti	•		
				<sup>1</sup> Indicators of hydric soil and			nust b
				present, unless disturbed or			
				Definitions of Vegetation Stra			
5				Tree – Woody plants 3 in. (7.6	-		neter a
7				breast height (DBH), regardle	-		
8				Sapling/shrub - Woody plants		in. DBH	and
9				greater than or equal to 3.28			
10				Herb – All herbaceous (non-w size, and woody plants less th			less o
11							tin
12				<ul> <li>Woody vines – All woody vine</li> <li>height.</li> </ul>	s greater th	dii 3.20 i	U IN
	20	= Total Cov	er				
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Pres	ent? Yes	No	
1.							
2.							
3.							
4.				-			
	0	= Total Cov	er	-			
		10001 001	CI .				

Sampling Point: W-JDV-05; UPL-2

nches) Color (moist)	% Color (moist)	% Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
0 - 14 10YR 5/3	100		Silty Clay Lo	am
	·			
	·			
	·			
	·			
	· ·			
	·			
pe: C = Concentration, D =	Depletion, RM = Reduce	d Matrix, MS = Masked	Sand Grains. <sup>2</sup> Locat	on: PL = Pore Lining, M = Matrix.
dric Soil Indicators:				licators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surfa Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, M dicators of hydrophytic veg	Thin Dark S Loamy Muc Loamy Gley Depleted M ace (A11) Redox Dark Depleted D Redox Depl	atrix (F3) . Surface (F6) ark Surface (F7) ressions (F8)	A 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) problematic.
strictive Layer (if observed):	:			
	Rocks/gravel	Hydric	Soil Present?	Yes No 🟒
Туре:	RUCKS/graver			
Type: Depth (inches): marks:	14			

Vegetation Photos



Soil Photos





City/County: Byron, Gene	see County	Sampling Date: 20	19-May-28
	State: New York	Sampling Point: W-JD	V-03; UPL-2
	Section, Township, Range:		
Agricultural Field Local re	lief (concave, convex, none):	None	Slope (%): 1-10
L	.at: 43.0806987 Long:	-78.0457638	Datum: WGS84
3 to 8 percent slopes		NWI classificatio	n:
the site typical for this time of year?	Yes No 🟒 (If no	, explain in Remarks.)	
, , , ,		1	Yes No
	Agricultural Field Local re 1 3 to 8 percent slopes the site typical for this time of year? r Hydrology significantly disturbed?	Agricultural Field       Section, Township, Range:         Agricultural Field       Local relief (concave, convex, none):         Lat:       43.0806987       Long:         3 to 8 percent slopes       Lat:       43.0806987       Long:         the site typical for this time of year?       Yes No (If no r         r Hydrology       significantly disturbed?       Are "Normal Circums"	State:       New York       Sampling Point:       W-JC         Section, Township, Range:       Section, Township, Range:       None         Agricultural Field       Local relief (concave, convex, none):       None         Lat:       43.0806987       Long:       -78.0457638         3 to 8 percent slopes       NWI classification         the site typical for this time of year?       Yes No _✓ (If no, explain 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 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒			
Wetland Hydrology Present?	Yes No _	lf 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 mowing o	of vegetation				

Wetland Hydrology Indicators:		
Primary Indicators (minimum of or	ne is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Drainage Patterns (B10)</li> <li>Moss Trim Lines (B16)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su		<ul> <li>Stunted or Stressed Plants (D1)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>Microtopographic Relief (D4)</li> <li>FAC-Neutral Test (D5)</li> </ul>
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 g	auge, monitoring well, aerial photos, previous inspections), i	f available:

Sampling Point: W-JDV-03; UPL-2

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	0	
. Juglans nigra	15	Yes	FACU	Are OBL, FACW, or FAC:		(A)
. Hamamelis virginiana	10	Yes	FACU	Total Number of Dominant Species Across All Strata:	<sup>5</sup> 5	(B)
				Percent of Dominant Species That		
ł				Are OBL, FACW, or FAC:	0	(A/B)
				Prevalence Index worksheet:		
		·		Total % Cover of:	<b>Multiply</b>	<u>By:</u>
		·		OBL species 0	x 1 =	0
	25	= Total Cov	er	FACW species 0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 0	x 3 =	0
				FACU species 130	x 4 =	520
				UPL species 3	x 5 =	15
3				Column Totals 133	(A)	535 (B)
ł				Prevalence Index = B/A =		555 (D)
				Hydrophytic Vegetation Indicators:		
i				1- Rapid Test for Hydrophytic		
				2 - Dominance Test is > 50%	Vegetation	
	0	= Total Cov	er	$3 - Prevalence Index is \le 3.0^{1}$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptation	s1 (Provide	supportin
. Phleum pratense	30	Yes	FACU	- data in Remarks or on a separate s		supportin
2. Poa pratensis	30	Yes	FACU	Problematic Hydrophytic Veg		nlain)
8. Trifolium pratense	25	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetla		
. Taraxacum officinale	10	No	FACU	present, unless disturbed or proble		59 111030 0
5. Trifolium repens	5	No	FACU	Definitions of Vegetation Strata:		
5. Plantago lanceolata	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) of	or more in o	diameter a
. Agrostis canina	3	No	UPL	breast height (DBH), regardless of		
<u></u>				Sapling/shrub – Woody plants less	-	OBH and
).				greater than or equal to 3.28 ft (1 r		
0.				Herb – All herbaceous (non-woody	) plants, reg	gardless o
		· ·		size, and woody plants less than 3.	28 ft tall.	
12.		·		Woody vines – All woody vines grea	ater than 3.	28 ft in
	108	= Total Cov	er	height.		
Noody Vine Stratum (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetation Present?	Yes N	lo 🟒
				_		
·		·		•		
3.		·		•		
· · · · · · · · · · · · · · · · · · ·		·		•		
1		- Total Cru	or			
	0	= Total Cov	еі			

# Sampling Point: W-JDV-03; UPL-2

(inches)       Color (moist)       %       Color (moist)       %       Type'       Loc2       Texture       Remar         0 -12       10YR 4/4       100	e of indicators.)	confirm the absence of indicat	ndicator			n needed to do Redox	o the de	Matrix	Depth
10YR 4/3	Remarks	Texture	Loc <sup>2</sup>	Type <sup>1</sup>	%	Color (moist)	%	Color (moist)	· -
10YR 4/3	 m	Silty Clay Loam				<u> </u>	100		
Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. <sup>2</sup> Location: PL = Pore Lining, M = Matrix.         Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 cm Muck (A10) (LRR K, L, MLRA 149B)         Histosol (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       2 cm Muck (A10) (LRR K, L, MLRA 149B)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dopleted Surface (S8) (LRR K, L)         Stratified Layers (A5)       Depleted Dark Surface (F6)       Thin Dark Surface (S8) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Dark Surface (F7)       Thin Dark Surface (S8) (LRR K, L)         Sandy Gleyed Matrix (S4)       Mesic Spodic (TA6) (MLRA 144A, 1         Sandy Redox (S5)       Depleted Dark Surface (F7)       Thin Dark Surface (T12)         Stripped Matrix (S6)       Peledmont Floodplain Soils (F19) (M         Mesic Spodic (TA6) (MLRA 144BB)       Very Shallow Dark Surface (T12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (If observed):       Type:       Rocks         Type:       Rocks       Hydric Soil Present?       Yes No _ <td></td> <td></td> <td></td> <td>·</td> <td></td> <td></td> <td></td> <td></td> <td></td>				·					
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Thic Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers							·		
Aydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Muck yeat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Thic Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         testrictive Layer (if observed):       Type:         Type:       Rocks         Depth (inches):       12					·				·
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Thic Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers	·						<u> </u>		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Thic Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers					-				
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)       2 com Muck (A10) (LRR K, L, MLRA 149B)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (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)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers	<u> </u>				· —				
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)       2 com Muck (A10) (LRR K, L, MLRA 149B)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (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)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers					·		<u> </u>		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)       2 com Muck (A10) (LRR K, L, MLRA 149B)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (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)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers					-				
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)       2 com Muck (A10) (LRR K, L, MLRA 149B)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (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)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers					·		<u> </u>		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)       2 cost Prairie Redox (A16) (LRR K, L)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Depleted Below Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       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:       Rocks         Depth (inches):       12					·				·
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Thic Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers									
Hydric Soil Indicators:       Indicators for Problematic Hydric Soil         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)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (LRR K, L)         Thic Dark Surface (A11)       Redox Dark Surface (F6)       Thin Dark Surface (S9) (LRR K, L)         Sandy Mucky Mineral (S1)       Redox Depressions (F8)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Red Parent Material (F21)         Dark Surface (S7) (LRR R, MLRA 149B)       Very Shallow Dark Surface (TF12)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Vers									
Histosol (A1)       Polyvalue Below Surface (S8) (LRR R, MLRA 149B)       2 cm Muck (A10) (LRR K, L MLRA 1         Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       Coast Prairie Redox (A16) (LRR K, I         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       Dark Surface (S7) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S9) (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)       Iron-Manganese Masses (F12) (LR         Sandy Redox (S5)       Stripped Matrix (S6)       Mesic Spodic (TA6) (MLRA 144A, 149B)         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Very Shallow Dark Surface (TF12)         Type:       Rocks       Hydric Soil Present?       Yes No _         Type:       Rocks       Hydric Soil Present?       Yes			Masked	ix, MS =	Matr	RM = Reduced	epletio		
Histic Epipedon (A2)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       2 cm Mudck (A16) (LRR K, L)         Black Histic (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)       5 cm Mucky Peat or Peat (S3) (LRR K, L)         Stratified Layers (A5)       Depleted Matrix (F3)       Dark Surface (S7) (LRR K, L)	cators for Problematic Hydric Soils <sup>3</sup> :	Indicators for I							-
	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>								
Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)	Coast Prairie Redox (A16) <b>(LRR K, L, R)</b>	9B) Coast Prair							
	5 cm Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>	5 cm Muck	(LRR K, L						
	Dark Surface (S7) <b>(LRR K, L)</b>	Dark Surfa							
	Polyvalue Below Surface (S8) (LRR K, L)	Polyvalue E							
	Thin Dark Surface (S9) <b>(LRR K, L)</b>	Thin Dark S					Le (ATT)		
	Iron-Manganese Masses (F12) <b>(LRR K, L, R)</b>	Iron-Manga				•			
	Piedmont Floodplain Soils (F19) (MLRA 149B)	Piedmont F		5(10)	551011			-	-
Stripped Matrix (S6)	Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>	Mesic Spoo							-
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: Rocks Hydric Soil Present? Yes No Depth (inches): 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12									-
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if observed):         Type:       Rocks         Depth (inches):       12									
Restrictive Layer (if observed):       Kocks       Hydric Soil Present?       Yes No         Type:       Rocks       Hydric Soil Present?       Yes No         Depth (inches):       12       12	Other (Explain in Remarks)	Other (Exp					LKA 145	(27) <b>(LKK K, W</b>	Dark Sui
Type:     Rocks     Hydric Soil Present?     YesNo✓       Depth (inches):     12	problematic.	nless disturbed or problemation	e presen	must be	ology	l wetland hydr	tation a		
Depth (inches): 12								er (if observed):	Restrictive L
	Yes No 🟒	Present?	Hydric			Rocks		pe:	
Remarks:						12		pth (inches):	
									Remarks:





