

# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-12  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-34; PEM-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0547694443 Long: -78.0868689158 Datum: WGS84  
 Soil Map Unit Name: Romulus silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-34</u>
Remarks: (Explain alternative procedures here or in a separate report)       TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status																																																	
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																																
2. _____	_____	_____	_____																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
5. _____	_____	_____	_____																																																	
6. _____	_____	_____	_____																																																	
7. _____	_____	_____	_____																																																	
	0	= Total Cover		<b>Prevalence Index worksheet:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">25</td> <td></td> <td>x 1 =</td> <td style="text-align: center;">25</td> <td></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">0</td> <td></td> <td>x 2 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td></td> <td>x 3 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">0</td> <td></td> <td>x 4 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td></td> <td>x 5 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">25</td> <td></td> <td>(A)</td> <td style="text-align: center;">25</td> <td>(B)</td> </tr> <tr> <td colspan="6">Prevalence Index = B/A = <u>1</u></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:			OBL species	25		x 1 =	25		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	25		(A)	25	(B)	Prevalence Index = B/A = <u>1</u>					
	Total % Cover of:		Multiply By:																																																	
OBL species	25		x 1 =		25																																															
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Column Totals	25		(A)	25	(B)																																															
Prevalence Index = B/A = <u>1</u>																																																				
				<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup> _____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																																
1. _____	_____	_____	_____																																																	
2. _____	_____	_____	_____																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
5. _____	_____	_____	_____																																																	
6. _____	_____	_____	_____																																																	
	0	= Total Cover		<b>Definitions of Vegetation Strata:</b> <b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. <b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. <b>Woody vines</b> – All woody vines greater than 3.28 ft in height.																																																
				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____																																																
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b> 1. <i>Ranunculus sceleratus</i> 15 Yes OBL 2. <i>Eleocharis obtusa</i> 10 Yes OBL 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____ 11. _____ 12. _____ _____ 25 = Total Cover																																																				
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b> 1. _____ 2. _____ 3. _____ 4. _____ _____ 0 = Total Cover																																																				

**Remarks: (Include photo numbers here or on a separate sheet.)**

Active agricultural field

## SOIL

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

[illegible]

Hydrology Photos



Vegetation Photos





Soil Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-30  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-09; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Toe slope Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0736946 Long: -78.0917053 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation ☒ Soil \_\_\_\_ or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-09</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC covertype is PEM. Area is wetland, all three wetland parameters are present. Circumstances are not normal due to agricultural activities		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>4</u> (includes capillary fringe)			<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   					
Remarks:       A positive indication of wetland hydrology was observed (primary and secondary indicators were present).					



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

Tree Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
<u>0</u>		= Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
<u>0</u>		= Total Cover			
Herb Stratum (Plot size: <u>5 ft</u> )					
1.	<i>Typha angustifolia</i>	65	Yes	OBL	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
<u>65</u>		= Total Cover			
Woody Vine Stratum (Plot size: <u>30 ft</u> )					
1.					
2.					
3.					
4.					
<u>0</u>		= Total Cover			

**Remarks: (Include photo numbers here or on a separate sheet.)**

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 ≤ 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

Dominance Test worksheet:			
Number of Dominant Species That Are OBL, FACW, or FAC:	<u>1</u>	(A)	
Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)	
Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u>	(A/B)	
Prevalence Index worksheet:			
<b>Total % Cover of:</b>	<b>Multiply By:</b>		
OBL species <u>65</u>	x 1 =	<u>65</u>	
FACW species <u>0</u>	x 2 =	<u>0</u>	
FAC species <u>0</u>	x 3 =	<u>0</u>	
FACU species <u>0</u>	x 4 =	<u>0</u>	
UPL species <u>0</u>	x 5 =	<u>0</u>	
Column Totals <u>65</u>	(A)	<u>65</u>	(B)
Prevalence Index = B/A =		<u>1</u>	
Hydrophytic Vegetation Indicators:			
<input checked="" type="checkbox"/> 1- Rapid Test for Hydrophytic Vegetation			
<input checked="" type="checkbox"/> 2 - Dominance Test is >50%			
<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>			
<u>      </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
<u>      </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
Definitions of Vegetation Strata:			
<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <u>      </u>			

## SOIL

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

[illegible]

Vegetation Photos



Soil Photos





Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Elba, Genesee Sampling Date: 2019-June-06  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-20; UPL-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 10-20  
 Subregion (LRR or MLRA): LRR R Lat: 43.0462484435 Long: -78.1089931168 Datum: WGS84  
 Soil Map Unit Name: Romulus silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ☒  
 Are Vegetation ☒ Soil ☒ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coverype is UPL. Active agriculture field		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

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

**Remarks: (Include photo numbers here or on a separate sheet.)**

Active agricultural field

## SOIL

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

[illegible]



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 percent slopes NWI classification: PUB  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ☒ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil ☒, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JJB-17</u>
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is PUB. Wetter than average year</p>		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators (minimum of one is required; check all that apply)</b>			<b>Secondary Indicators (minimum of two required)</b>		
<input checked="" type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Surface Soil Cracks (B6)		
<input type="checkbox"/> High Water Table (A2)	<input checked="" type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Drainage Patterns (B10)		
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)		<input type="checkbox"/> Moss Trim Lines (B16)		
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)		<input type="checkbox"/> Dry-Season Water Table (C2)		
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)		<input type="checkbox"/> Crayfish Burrows (C8)		
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)		
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)		<input type="checkbox"/> Stunted or Stressed Plants (D1)		
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)		<input type="checkbox"/> Geomorphic Position (D2)		
<input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)		<input type="checkbox"/> Shallow Aquitard (D3)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)			<input type="checkbox"/> Microtopographic Relief (D4)		
			<input checked="" type="checkbox"/> FAC-Neutral Test (D5)		
<b>Field Observations:</b> Surface Water Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>36</u> Water Table Present? Yes ____ No ____ Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>0</u> (includes capillary fringe)			<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Pond					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Populus deltoides</i>	10	Yes	FAC
2.	<i>Salix nigra</i>	5	Yes	OBL
3.				
4.				
5.				
6.				
7.				
		15	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		0	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )				
1.				
2.				
3.				
4.				
		0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>5</u>	x 1 =	<u>5</u>
FACW species	<u>0</u>	x 2 =	<u>0</u>
FAC species	<u>10</u>	x 3 =	<u>30</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>15</u>	(A)	<u>35</u> (B)
Prevalence Index = B/A = <u>2.3</u>			

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No

Remarks: (Include photo numbers here or on a separate sheet.)



## SOIL

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

[illegible]

## Hydrology Photos



Vegetation Photos



Photo of Sample Plot



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-12  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-35; UPL-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0545562087 Long: -78.0927187298 Datum: WGS84  
 Soil Map Unit Name: Lamson very fine sandy loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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



VEGETATION -- Use scientific names of plants.

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

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

## SOIL

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

[illegible]

## Vegetation Photos





# 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; PUB-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0783363386 Long: -78.0761044566 Datum: WGS84  
 Soil Map Unit Name: Alden mucky silt loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil ☒, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-22
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is PUB. Wetter than average year			

## HYDROLOGY

<b>Wetland Hydrology Indicators:</b>			
<b>Primary Indicators (minimum of one is required; check all that apply)</b>		<b>Secondary Indicators (minimum of two required)</b>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)	
<input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)	
		<input type="checkbox"/> FAC-Neutral Test (D5)	
<b>Field Observations:</b>			
Surface Water Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>36</u>
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
(includes capillary fringe)		<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			
Unusually clear water			

VEGETATION -- Use scientific names of plants.

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

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

**Remarks: (Include photo numbers here or on a separate sheet.)**

Pond, aquatic veg present

## SOIL

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

[illegible]



## Hydrology Photos



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-08; UPL-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0863 Long: -78.0920641 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is UPL. Circumstances are not normal due to agricultural activities</p>		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	0	(A/B)		
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>				
5. _____	_____	_____	_____	<b>Total % Cover of:</b>		<b>Multiply By:</b>		
6. _____	_____	_____	_____	OBL species	0	x 1 =	0	
7. _____	_____	_____	_____	FACW species	0	x 2 =	0	
	0	= Total Cover			FAC species	0	x 3 =	0
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )	_____	_____	_____	FACU species	8	x 4 =	32	
1. _____	_____	_____	_____	UPL species	20	x 5 =	100	
2. _____	_____	_____	_____	Column Totals	28	(A)	132 (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>4.7</u>				
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>				
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	____ 2 - Dominance Test is > 50%				
7. _____	_____	_____	_____	____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>				
	0	= Total Cover			____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )	_____	_____	_____	____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
1. <i>Zea mays</i>	20	Yes	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Dactylis glomerata</i>	8	Yes	FACU	<b>Definitions of Vegetation Strata:</b>				
3. _____	_____	_____	_____	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.				
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>				
8. _____	_____	_____	_____					
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	28	= Total Cover						
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )	_____	_____	_____					
1. _____	_____	_____	_____					
2. _____	_____	_____	_____					
3. _____	_____	_____	_____					
4. _____	_____	_____	_____					
	0	= Total Cover						

**Remarks: (Include photo numbers here or on a separate sheet.)**

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).



## SOIL

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

[illegible]

Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-11  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-30; PEM-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0549999886 Long: -78.0850004219 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-30</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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



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

Tree Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Ranunculus sceleratus</i>		15	Yes	OBL
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			15	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

**Dominance Test worksheet:**

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 Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species 15	x 1 = 15
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 15	(A) 15 (B)

Prevalence Index = B/A = 1

**Hydrophytic Vegetation Indicators:**

☒ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes ☒ No ☐

## SOIL

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

[illegible]

## Hydrology Photos



Vegetation Photos





Soil Photos



Photo of Sample Plot









# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-07; PSS-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Flood Plain Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0865886 Long: -78.0924515 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: please verify  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-07</u>
Remarks: (Explain alternative procedures here or in a separate report)       TRC coverype is PSS. Area is wetland, all three wetland parameters are present.		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>9</u> Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>2</u> (includes capillary fringe)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   					
Remarks:    A positive indication of wetland hydrology was observed (primary and secondary indicators were present).					



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: 30 ft )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1.				Number of Dominant Species That Are OBL, FACW, or FAC:	3 (A)
2.				Total Number of Dominant Species Across All Strata:	3 (B)
3.				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4.				<b>Prevalence Index worksheet:</b>	
5.				<b>Total % Cover of:</b>	<b>Multiply By:</b>
6.				OBL species	16 x 1 = 16
7.				FACW species	75 x 2 = 150
	0	= Total Cover		FAC species	20 x 3 = 60
<b>Sapling/Shrub Stratum (Plot size: 15 ft )</b>				FACU species	0 x 4 = 0
1. <i>Cornus amomum</i>	35	Yes	FACW	UPL species	0 x 5 = 0
2. <i>Frangula alnus</i>	15	Yes	FAC	Column Totals	111 (A) 226 (B)
3. <i>Salix nigra</i>	8	No	OBL	Prevalence Index = B/A = 2	
4.				<b>Hydrophytic Vegetation Indicators:</b>	
5.				1- Rapid Test for Hydrophytic Vegetation	
6.				2 - Dominance Test is >50%	
7.				3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	
	58	= Total Cover		4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
<b>Herb Stratum (Plot size: 5 ft )</b>				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <i>Phalaris arundinacea</i>	30	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Vernonia noveboracensis</i>	10	No	FACW	<b>Definitions of Vegetation Strata:</b>	
3. <i>Asclepias incarnata</i>	8	No	OBL	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. <i>Echinochloa crus-galli</i>	5	No	FAC	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
5.				<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
6.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
7.				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
8.					
9.					
10.					
11.					
12.					
	53	= Total Cover			
<b>Woody Vine Stratum (Plot size: 30 ft )</b>					
1.					
2.					
3.					
4.					
	0	= Total Cover			

Remarks: (Include photo numbers here or on a separate sheet.)

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 ≤ 3.00).

## SOIL

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

[illegible]

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-13  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-31; PAB-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Stream Channel Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0519612972 Long: -78.0884445459 Datum: WGS84  
 Soil Map Unit Name: Wakeville silt loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-31</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PAB. Beaver impacts, wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>	
<u>✓</u> Surface Water (A1)	<u>✓</u> Water-Stained Leaves (B9)	<u>  </u> Surface Soil Cracks (B6)			
<u>✓</u> High Water Table (A2)	<u>✓</u> Aquatic Fauna (B13)	<u>  </u> Drainage Patterns (B10)			
<u>✓</u> Saturation (A3)	<u>  </u> Marl Deposits (B15)	<u>  </u> Moss Trim Lines (B16)			
<u>✓</u> Water Marks (B1)	<u>✓</u> Hydrogen Sulfide Odor (C1)	<u>  </u> Dry-Season Water Table (C2)			
<u>  </u> Sediment Deposits (B2)	<u>  </u> Oxidized Rhizospheres on Living Roots (C3)	<u>  </u> Crayfish Burrows (C8)			
<u>  </u> Drift Deposits (B3)	<u>  </u> Presence of Reduced Iron (C4)	<u>  </u> Saturation Visible on Aerial Imagery (C9)			
<u>✓</u> Algal Mat or Crust (B4)	<u>  </u> Recent Iron Reduction in Tilled Soils (C6)	<u>  </u> Stunted or Stressed Plants (D1)			
<u>  </u> Iron Deposits (B5)	<u>  </u> Thin Muck Surface (C7)	<u>✓</u> Geomorphic Position (D2)			
<u>✓</u> Inundation Visible on Aerial Imagery (B7)	<u>  </u> Other (Explain in Remarks)	<u>  </u> Shallow Aquitard (D3)			
<u>  </u> Sparsely Vegetated Concave Surface (B8)		<u>  </u> Microtopographic Relief (D4)			
		<u>✓</u> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>36</u>	Wetland Hydrology Present? Yes <u>✓</u> No ____	
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
Saturation Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Typha angustifolia</i>		5	Yes	OBL
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			5	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Inundated beaver impoundment

**Dominance Test worksheet:**

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 Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species 5	x 1 = 5
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 5	(A) 5 (B)

Prevalence Index = B/A = 1

**Hydrophytic Vegetation Indicators:**

☒ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

☒ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes ☒ No ☐

## SOIL

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

[illegible]



Hydrology Photos



Photo of Sample Plot









# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-12  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-34; UPL-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.054794129 Long: -78.0874068663 Datum: WGS84  
 Soil Map Unit Name: Romulus silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average		

## **HYDROLOGY**

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



VEGETATION -- Use scientific names of plants.

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

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

## SOIL

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

[illegible]

Vegetation Photos



Soil Photos





Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-01; UPL-1  
 Investigator(s): Jake Brillo, Rebecca Cosgrove Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.083366612 Long: -78.0505046994 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coverype is UPL.		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Acer saccharum</i>	60	Yes	FACU
2.	<i>Tilia americana</i>	10	No	FACU
3.				
4.				
5.				
6.				
7.				
		70	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Prunus serotina</i>	8	Yes	FACU
2.	<i>Fraxinus pennsylvanica</i>	5	Yes	FACW
3.				
4.				
5.				
6.				
7.				
		13	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Toxicodendron radicans</i>	30	Yes	FAC
2.	<i>Parthenocissus quinquefolia</i>	18	Yes	FACU
3.	<i>Podophyllum peltatum</i>	10	No	FACU
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		58	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

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 By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>5</u>	x 2 = <u>10</u>
FAC species <u>30</u>	x 3 = <u>90</u>
FACU species <u>106</u>	x 4 = <u>424</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>141</u>	(A) <u>524</u> (B)
Prevalence Index = B/A = <u>3.7</u>	

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

     2 - Dominance Test is > 50%

     3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes      No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-07; UPL-2  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Toe slope Local relief (concave, convex, none): Convex Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0862349 Long: -78.092087 Datum: WGS84  
 Soil Map Unit Name: Wakeville silt loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coertype is UPL.		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Cornus amomum</i>		10	Yes	FACW
2.					
3.					
4.					
5.					
6.					
7.					
			10	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Solidago canadensis</i>		25	Yes	FACU
2.	<i>Hesperis matronalis</i>		20	Yes	FACU
3.	<i>Alliaria petiolata</i>		15	No	FACU
4.	<i>Allium cernuum</i>		10	No	FACU
5.	<i>Parthenocissus quinquefolia</i>		5	No	FACU
6.	<i>Toxicodendron radicans</i>		3	No	FAC
7.					
8.					
9.					
10.					
11.					
12.					
			78	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>10</u>	x 2 =	<u>20</u>
FAC species	<u>3</u>	x 3 =	<u>9</u>
FACU species	<u>75</u>	x 4 =	<u>300</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>88</u>	(A)	<u>329</u> (B)
Prevalence Index = B/A = <u>3.7</u>			

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

     2 - Dominance Test is > 50%

     3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes      No ✓

**Remarks: (Include photo numbers here or on a separate sheet.)**

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).

## SOIL

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

[illegible]



Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-13  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-31; UPL-3  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0519487663 Long: -78.0884737988 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover		<b>Prevalence Index worksheet:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: left;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: left;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>OBL species</td><td><u>0</u></td><td>x 1 =</td><td><u>0</u></td><td></td></tr> <tr><td>FACW species</td><td><u>0</u></td><td>x 2 =</td><td><u>0</u></td><td></td></tr> <tr><td>FAC species</td><td><u>0</u></td><td>x 3 =</td><td><u>0</u></td><td></td></tr> <tr><td>FACU species</td><td><u>0</u></td><td>x 4 =</td><td><u>0</u></td><td></td></tr> <tr><td>UPL species</td><td><u>15</u></td><td>x 5 =</td><td><u>75</u></td><td></td></tr> <tr><td>Column Totals</td><td><u>15</u></td><td>(A)</td><td><u>75</u></td><td>(B)</td></tr> <tr><td colspan="5">Prevalence Index = B/A = <u>5</u></td></tr> </tbody> </table>	Total % Cover of:		Multiply By:			OBL species	<u>0</u>	x 1 =	<u>0</u>		FACW species	<u>0</u>	x 2 =	<u>0</u>		FAC species	<u>0</u>	x 3 =	<u>0</u>		FACU species	<u>0</u>	x 4 =	<u>0</u>		UPL species	<u>15</u>	x 5 =	<u>75</u>		Column Totals	<u>15</u>	(A)	<u>75</u>	(B)	Prevalence Index = B/A = <u>5</u>				
Total % Cover of:		Multiply By:																																										
OBL species	<u>0</u>	x 1 =	<u>0</u>																																									
FACW species	<u>0</u>	x 2 =	<u>0</u>																																									
FAC species	<u>0</u>	x 3 =	<u>0</u>																																									
FACU species	<u>0</u>	x 4 =	<u>0</u>																																									
UPL species	<u>15</u>	x 5 =	<u>75</u>																																									
Column Totals	<u>15</u>	(A)	<u>75</u>	(B)																																								
Prevalence Index = B/A = <u>5</u>																																												
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )																																												
1. <i>Zea mays</i>	<u>15</u>	<u>Yes</u>	<u>UPL</u>																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
	<u>15</u>	= Total Cover																																										
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
<b>Remarks: (Include photo numbers here or on a separate sheet.)</b>																																												



## SOIL

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

[illegible]

Vegetation Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-28  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-04; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0822943 Long: -78.0476371 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: R4SBC  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)  
 Are Vegetation ☐ Soil ☒ or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐  
 Are Vegetation ☐ Soil ☐ or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID: <u>W-JDV-04</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PEM. rock/gravel soil restriction at 8 inches due to agricultural ditch installation		

## **HYDROLOGY**

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

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

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

## SOIL

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

[illegible]

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-13  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-31; UPL-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0486098574 Long: -78.0884722557 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Wetter than average year		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:				
5. _____	_____	_____	_____	<u>Total % Cover of:</u>		<u>Multiply By:</u>		
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>	
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>	
	<u>0</u>	= Total Cover			FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FACU species	<u>95</u>	x 4 =	<u>380</u>	
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>	
2. _____	_____	_____	_____	Column Totals	<u>95</u>	(A)	<u>380</u> (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>4</u>				
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:				
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	____ 2 - Dominance Test is > 50%				
7. _____	_____	_____	_____	____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>				
	<u>0</u>	= Total Cover			____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: <u>5 ft</u> )				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
1. <i>Dactylis glomerata</i>	<u>55</u>	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Lotus corniculatus</i>	<u>25</u>	Yes	FACU	Definitions of Vegetation Strata:				
3. <i>Taraxacum officinale</i>	<u>15</u>	No	FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.				
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>				
8. _____	_____	_____	_____					
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	<u>95</u>	= Total Cover						
Woody Vine Stratum (Plot size: <u>30 ft</u> )								
1. _____	_____	_____	_____					
2. _____	_____	_____	_____					
3. _____	_____	_____	_____					
4. _____	_____	_____	_____					
	<u>0</u>	= Total Cover						
Remarks: (Include photo numbers here or on a separate sheet.)								

## SOIL

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

[illegible]



Vegetation Photos





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-03  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-13; PEM-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0604506145 Long: -78.0542838481 Datum: WGS84  
 Soil Map Unit Name: Ontario loam, 8 to 15 percent slopes NWI classification: PUBFh  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation ✓, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland?	Yes <u>✓</u> No ____
Hydric Soil Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID:	W-JJB-13
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year			

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators (minimum of one is required; check all that apply)</b>				<b>Secondary Indicators (minimum of two required)</b>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Surface Soil Cracks (B6)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>3</u>	Wetland Hydrology Present? Yes <u>✓</u> No ____	
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>6</u>		
Saturation Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	0	= Total Cover		<b>Prevalence Index worksheet:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>OBL species</td><td style="text-align: center;">0</td><td>x 1 =</td><td style="text-align: center;">0</td><td></td></tr> <tr><td>FACW species</td><td style="text-align: center;">0</td><td>x 2 =</td><td style="text-align: center;">0</td><td></td></tr> <tr><td>FAC species</td><td style="text-align: center;">5</td><td>x 3 =</td><td style="text-align: center;">15</td><td></td></tr> <tr><td>FACU species</td><td style="text-align: center;">0</td><td>x 4 =</td><td style="text-align: center;">0</td><td></td></tr> <tr><td>UPL species</td><td style="text-align: center;">0</td><td>x 5 =</td><td style="text-align: center;">0</td><td></td></tr> <tr><td>Column Totals</td><td style="text-align: center;">5</td><td>(A)</td><td style="text-align: center;">15</td><td>(B)</td></tr> <tr><td colspan="5">Prevalence Index = B/A = <u>3</u></td></tr> </tbody> </table>	Total % Cover of:		Multiply By:			OBL species	0	x 1 =	0		FACW species	0	x 2 =	0		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 = <u>3</u>				
Total % Cover of:		Multiply By:																																										
OBL species	0	x 1 =	0																																									
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Column Totals	5	(A)	15	(B)																																								
Prevalence Index = B/A = <u>3</u>																																												
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	0	= Total Cover																																										
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )																																												
1. <i>Solidago sp.</i>	20	Yes	NI																																									
2. <i>Rumex crispus</i>	5	Yes	FAC																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
	25	= Total Cover																																										
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
	0	= Total Cover																																										

**Hydrophytic Vegetation Indicators:**  
 \_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation  
 \_\_\_\_ 2 - Dominance Test is > 50%  
☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>  
 \_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
☒ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**  
**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No \_\_\_\_

**Remarks: (Include photo numbers here or on a separate sheet.)**

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.



## SOIL

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

[illegible]

## Hydrology Photos





Vegetation Photos





Soil Photos



Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-08; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0875948 Long: -78.0966817 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-08</u>
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is PEM. Circumstances are not normal due to agricultural activities</p>		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b>		
<b>Primary Indicators (minimum of one is required; check all that apply)</b>		<b>Secondary Indicators (minimum of two required)</b>
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<b>Field Observations:</b>		
Surface Water Present?	Yes ____ No <input checked="" type="checkbox"/>	<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	
(includes capillary fringe)		
Depth (inches): _____ Depth (inches): <u>6</u> Depth (inches): <u>1</u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:  <p>A positive indication of wetland hydrology was observed (at least one primary indicator).</p>		



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )				
1. <i>Typha angustifolia</i>	25	Yes	OBL	
2. <i>Taraxacum ceratophorum</i>	10	Yes	FAC	
3. <i>Persicaria pensylvanica</i>	5	No	FACW	
4. <i>Alliaria petiolata</i>	5	No	FACU	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	45	= Total Cover		
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
	0	= Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:	
OBL species	25	x 1 = 25
FACW species	5	x 2 = 10
FAC species	10	x 3 = 30
FACU species	5	x 4 = 20
UPL species	0	x 5 = 0
Column Totals	45	(A) 85 (B)
Prevalence Index = B/A = 1.9		

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No \_\_\_\_

**Remarks: (Include photo numbers here or on a separate sheet.)**

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 ≤ 3.00).

## SOIL

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

[illegible]

Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-May-30  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-05; UPL-2  
 Investigator(s): Jake Brillo, Rebecca Cosgrove Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0727394484 Long: -78.0567182881 Datum: WGS84  
 Soil Map Unit Name: Canandaigua silt loam, 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ☒  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		<u>0</u>	= Total Cover	

  

Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		<u>0</u>	= Total Cover	

  

Herb Stratum (Plot size: <u>5 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Poa pratensis</i>	10	Yes	FACU
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		<u>10</u>	= Total Cover	

  

Woody Vine Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		<u>0</u>	= Total Cover	

  

Remarks: (Include photo numbers here or on a separate sheet.)  
  
 Agriculture field



## SOIL

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

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Elba, Genesee County Sampling Date: 2019-May-31  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-15; UPL-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Levee Local relief (concave, convex, none): Convex Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0703133 Long: -78.1135671 Datum: WGS84  
 Soil Map Unit Name: Wakeville silt loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is UPL. Area is upland, not all three wetland parameters are present.</p>		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Fraxinus americana</i>	20	Yes	FACU
2. <i>Juglans nigra</i>	20	Yes	FACU
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	40	= Total Cover	
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>			
1. <i>Juglans nigra</i>	15	Yes	FACU
2. <i>Ligustrum vulgare</i>	10	Yes	FACU
3. <i>Rosa multiflora</i>	10	Yes	FACU
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	35	= Total Cover	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>			
1. <i>Urtica dioica</i>	15	Yes	FAC
2. <i>Arctium minus</i>	12	Yes	FACU
3. <i>Hesperis matronalis</i>	10	No	FACU
4. <i>Tussilago farfara</i>	10	No	FACU
5. <i>Agrimonia parviflora</i>	5	No	FAC
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	52	= Total Cover	
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 14.3 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>20</u>	x 3 = <u>60</u>
FACU species <u>107</u>	x 4 = <u>428</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>127</u>	(A) <u>488</u> (B)

Prevalence Index = B/A = 3.8

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

\_\_\_\_ 2 - Dominance Test is > 50%

\_\_\_\_ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes \_\_\_\_ No ✓

**Remarks: (Include photo numbers here or on a separate sheet.)**

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).

## SOIL

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

[illegible]



Photo of Sample Plot



# **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; UPL-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0631221366 Long: -78.0986768381 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: \_\_\_\_\_  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coverype is UPL. Wetter than average year		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer saccharum</i>	60	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)
2. <i>Carya ovata</i>	25	Yes	FACU	Total Number of Dominant Species Across All Strata:	4 (B)
3. <i>Carya cordiformis</i>	18	No	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC:	25 (A/B)
4. <i>Ostrya virginiana</i>	8	No	FACU		
5. _____					
6. _____					
7. _____					
	111	= Total Cover		Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				<b>Total % Cover of:</b> <b>Multiply By:</b>	
1. _____				OBL species	0 x 1 = 0
2. _____				FACW species	0 x 2 = 0
3. _____				FAC species	33 x 3 = 99
4. _____				FACU species	106 x 4 = 424
5. _____				UPL species	0 x 5 = 0
6. _____				Column Totals	139 (A) 523 (B)
7. _____				Prevalence Index = B/A = <u>3.8</u>	
	0	= Total Cover		Hydrophytic Vegetation Indicators:	
Herb Stratum (Plot size: <u>5 ft</u> )				____ 1- Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is > 50% ____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup> ____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <i>Carya cordiformis</i>	15	Yes	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Fraxinus americana</i>	8	Yes	FACU	Definitions of Vegetation Strata:	
3. <i>Maianthemum racemosum</i>	5	No	FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. <b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. <b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
4. _____				Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>	
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
12. _____					
	28	= Total Cover			
Woody Vine Stratum (Plot size: <u>30 ft</u> )					
1. _____					
2. _____					
3. _____					
4. _____					
	0	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					



## SOIL

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

[illegible]

Vegetation Photos



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-10  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-26; PEM-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0602941243 Long: -78.0792673678 Datum: WGS84  
 Soil Map Unit Name: Lakemont silty clay loam NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-26</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators (minimum of one is required; check all that apply)</b>				<b>Secondary Indicators (minimum of two required)</b>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input checked="" type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>2</u>	Wetland Hydrology Present? Yes <u>✓</u> No ____	
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>6</u>		
Saturation Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)		
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>				
5. _____	_____	_____	_____	<b>Total % Cover of:</b>		<b>Multiply By:</b>		
6. _____	_____	_____	_____	OBL species	90	x 1 =	90	
7. _____	_____	_____	_____	FACW species	0	x 2 =	0	
	0	= Total Cover			FAC species	0	x 3 =	0
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )	_____	_____	_____	FACU species	0	x 4 =	0	
1. _____	_____	_____	_____	UPL species	0	x 5 =	0	
2. _____	_____	_____	_____	Column Totals	90	(A)	90 (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>1</u>				
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>				
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%				
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>				
	0	= Total Cover			<input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
1. <i>Ranunculus sceleratus</i>	45	Yes	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Rorippa palustris</i>	30	Yes	OBL					
3. <i>Alisma subcordatum</i>	15	No	OBL					
4. _____	_____	_____	_____	<b>Definitions of Vegetation Strata:</b>				
5. _____	_____	_____	_____	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
6. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
7. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
8. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.				
9. _____	_____	_____	_____	<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	90	= Total Cover						
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )	_____	_____	_____					
1. _____	_____	_____	_____					
2. _____	_____	_____	_____					
3. _____	_____	_____	_____					
4. _____	_____	_____	_____					
	0	= Total Cover						
Remarks: (Include photo numbers here or on a separate sheet.)								

## SOIL

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

[illegible]



Hydrology Photos



Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-10  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-25; PEM-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0642218003 Long: -78.0802245811 Datum: WGS84  
 Soil Map Unit Name: Lakemont silty clay loam NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-25</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>	
<u>✓</u> Surface Water (A1)	<u>✓</u> Water-Stained Leaves (B9)	<u>✓</u> Surface Soil Cracks (B6)			
<u>✓</u> High Water Table (A2)	____ Aquatic Fauna (B13)	____ Drainage Patterns (B10)			
<u>✓</u> Saturation (A3)	____ Marl Deposits (B15)	____ Moss Trim Lines (B16)			
____ Water Marks (B1)	____ Hydrogen Sulfide Odor (C1)	____ Dry-Season Water Table (C2)			
____ Sediment Deposits (B2)	____ Oxidized Rhizospheres on Living Roots (C3)	____ Crayfish Burrows (C8)			
____ Drift Deposits (B3)	____ Presence of Reduced Iron (C4)	____ Saturation Visible on Aerial Imagery (C9)			
____ Algal Mat or Crust (B4)	____ Recent Iron Reduction in Tilled Soils (C6)	____ Stunted or Stressed Plants (D1)			
____ Iron Deposits (B5)	____ Thin Muck Surface (C7)	<u>✓</u> Geomorphic Position (D2)			
____ Inundation Visible on Aerial Imagery (B7)	____ Other (Explain in Remarks)	____ Shallow Aquitard (D3)			
<u>✓</u> Sparsely Vegetated Concave Surface (B8)		____ Microtopographic Relief (D4)			
		<u>✓</u> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>1</u>	Wetland Hydrology Present? Yes <u>✓</u> No ____	
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>2</u>		
Saturation Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	2 (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	2 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>	
5. _____	_____	_____	_____	<b>Total % Cover of:</b>	<b>Multiply By:</b>
6. _____	_____	_____	_____	OBL species	58 x 1 = 58
7. _____	_____	_____	_____	FACW species	22 x 2 = 44
	0 = Total Cover			FAC species	0 x 3 = 0
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				FACU species	0 x 4 = 0
1. _____	_____	_____	_____	UPL species	0 x 5 = 0
2. _____	_____	_____	_____	Column Totals	80 (A) 102 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = 1.3	
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>	
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	
	0 = Total Cover			____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <i>Eleocharis obtusa</i>	35	Yes	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Bidens frondosa</i>	22	Yes	FACW	<b>Definitions of Vegetation Strata:</b>	
3. <i>Glyceria striata</i>	15	No	OBL	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. <i>Ranunculus sceleratus</i>	8	No	OBL	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	80 = Total Cover				
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0 = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)					

## SOIL

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

[illegible]

Hydrology Photos



Vegetation Photos





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.): Depression 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 typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-22</u>
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is PEM. Wetter than average year</p>		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b>													
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>											
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)											
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)											
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)											
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)											
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)											
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)											
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)											
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)											
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)											
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)											
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)											
<b>Field Observations:</b>													
Surface Water Present?	Yes ____ No <u>✓</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Depth (inches):</td> <td style="width:33%;"></td> <td style="width:33%;"></td> </tr> <tr> <td>Water Table Present?</td> <td>Yes <u>✓</u> No ____</td> <td rowspan="2"> <b>Wetland Hydrology Present?</b> Yes <u>✓</u> No ____             </td> </tr> <tr> <td>Saturation Present?</td> <td>Yes <u>✓</u> No ____</td> </tr> <tr> <td colspan="3">(includes capillary fringe)</td> </tr> </table>	Depth (inches):			Water Table Present?	Yes <u>✓</u> No ____	<b>Wetland Hydrology Present?</b> Yes <u>✓</u> No ____	Saturation Present?	Yes <u>✓</u> No ____	(includes capillary fringe)		
Depth (inches):													
Water Table Present?	Yes <u>✓</u> No ____		<b>Wetland Hydrology Present?</b> Yes <u>✓</u> No ____										
Saturation Present?	Yes <u>✓</u> No ____												
(includes capillary fringe)													
Water Table Present?	Yes <u>✓</u> No ____												
Saturation Present?	Yes <u>✓</u> No ____												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Remarks:													

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )				
1.	<i>Typha latifolia</i>	85	Yes	OBL
2.	<i>Solanum dulcamara</i>	5	No	FAC
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		90	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )				
1.				
2.				
3.				
4.				
		0	= Total Cover	

**Dominance Test worksheet:**

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 Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>85</u>	x 1 =	<u>85</u>
FACW species	<u>0</u>	x 2 =	<u>0</u>
FAC species	<u>5</u>	x 3 =	<u>15</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>90</u>	(A)	<u>100</u> (B)
Prevalence Index = B/A =		<u>1.1</u>	

**Hydrophytic Vegetation Indicators:**

☒ 1 - Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No

Remarks: (Include photo numbers here or on a separate sheet.)



## SOIL

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

[illegible]

Hydrology Photos



Vegetation Photos





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-03  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-11; PSS-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 2-5  
 Subregion (LRR or MLRA): LRR L Lat: 43.0740287528 Long: -78.0688717124 Datum: WGS84  
 Soil Map Unit Name: Wayland silt loam NWI classification: PSS1/EM1C  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-11</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PSS. Wetter than average year		

## **HYDROLOGY**

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



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: 30 ft )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	0 = Total Cover		
<b>Sapling/Shrub Stratum (Plot size: 15 ft )</b>			
1. <i>Cornus racemosa</i>	30	Yes	FAC
2. <i>Salix bebbiana</i>	15	Yes	FACW
3. <i>Rosa multiflora</i>	5	No	FACU
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	50 = Total Cover		
<b>Herb Stratum (Plot size: 5 ft )</b>			
1. <i>Solidago gigantea</i>	3	Yes	FACW
2. <i>Lysimachia nummularia</i>	40	Percent cover cannot be greater than a previous species	FACW
3. <i>Anemone canadensis</i>	45	Percent cover cannot be greater than a previous species	FACW
4. <i>Verbena hastata</i>	3	No	FACW
5. <i>Dactylis glomerata</i>	5	Percent cover cannot be greater than a previous species	FACU
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	96 = Total Cover		
<b>Woody Vine Stratum (Plot size: 30 ft )</b>			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	0 = Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>106</u>	x 2 =	<u>212</u>
FAC species	<u>30</u>	x 3 =	<u>90</u>
FACU species	<u>10</u>	x 4 =	<u>40</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>146</u>	(A)	<u>342</u> (B)
Prevalence Index = B/A = <u>2.3</u>			

**Hydrophytic Vegetation Indicators:**

☐ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

☐ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

☐ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)



## SOIL

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

[illegible]



Vegetation Photos



Soil Photos





Photo of Sample Plot



# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsior City/County: Elba, Genesee Sampling Date: 2019-June-06  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-20; UPL-2  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR R Lat: 43.0466058059 Long: -78.1096425467 Datum: WGS84  
 Soil Map Unit Name: Cazenovia silt loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland?	Yes ____ No <u>✓</u>
Hydric Soil Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes ____ No <u>✓</u>		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year			

## HYDROLOGY

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



VEGETATION -- Use scientific names of plants.

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

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

## SOIL

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

[illegible]

## Vegetation Photos





## 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; UPL-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.079206422 Long: -78.0762808957 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: \_\_\_\_\_  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland?	Yes ____ No <u>✓</u>
Hydric Soil Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
<p>TRC coertype is UPL. Area is upland, not all three wetland parameters are present. Circumstances are not normal due to agricultural activities, Wetter than average year</p>			

## HYDROLOGY

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



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				
1. <i>Poa pratensis</i>	85	Yes	FACU	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	85	= Total Cover		
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
	0	= Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <span style="float: right;">0</span>	x 1 = <span style="float: right;">0</span>
FACW species <span style="float: right;">0</span>	x 2 = <span style="float: right;">0</span>
FAC species <span style="float: right;">0</span>	x 3 = <span style="float: right;">0</span>
FACU species <span style="float: right;">85</span>	x 4 = <span style="float: right;">340</span>
UPL species <span style="float: right;">0</span>	x 5 = <span style="float: right;">0</span>
Column Totals <span style="float: right;">85</span>	(A) <span style="float: right;">340</span> (B)

Prevalence Index = B/A = 4

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

\_\_\_\_ 2 - Dominance Test is > 50%

\_\_\_\_ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes \_\_\_\_ No ☒

**Remarks: (Include photo numbers here or on a separate sheet.)**

Active agricultural field

## SOIL

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

[illegible]

Vegetation Photos



Soil Photos





Photo of Sample Plot



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-03; UPL-1  
 Investigator(s): Jake Brillo, Rebecca Cosgrove Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 2-5  
 Subregion (LRR or MLRA): LRR L Lat: 43.0706295558 Long: -78.0512513594 Datum: WGS84  
 Soil Map Unit Name: Lima silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is UPL.</p>		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Carya cordiformis</i>		35	Yes	FAC
2.	<i>Acer saccharum</i>		12	Yes	FACU
3.	<i>Fraxinus americana</i>		6	No	FACU
4.					
5.					
6.					
7.					
			53	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )					
1.	<i>Fraxinus pennsylvanica</i>		15	Yes	FACW
2.					
3.					
4.					
5.					
6.					
7.					
			15	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )					
1.	<i>Fraxinus americana</i>		15	Yes	FACU
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			15	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )					
1.					
2.					
3.					
4.					
			0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>15</u>	x 2 =	<u>30</u>
FAC species	<u>35</u>	x 3 =	<u>105</u>
FACU species	<u>33</u>	x 4 =	<u>132</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>83</u>	(A)	<u>267</u> (B)
Prevalence Index = B/A = <u>3.2</u>			

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

     2 - Dominance Test is > 50%

     3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes      No ✓

Remarks: (Include photo numbers here or on a separate sheet.)



## SOIL

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

[illegible]

Vegetation Photos



## Soil Photos





# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-10  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-24; PEM-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0668067793 Long: -78.0762686581 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-24</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Surface Soil Cracks (B6)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input checked="" type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>1</u>	Wetland Hydrology Present? Yes <u>✓</u> No ____	
Water Table Present?	Yes ____ No <u>✓</u>	Depth (inches):			
Saturation Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

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

## SOIL

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

[illegible]



Hydrology Photos



Vegetation Photos



## 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-10  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-24; UPL-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0667843158 Long: -78.0761891977 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland?	Yes ____ No <u>✓</u>
Hydric Soil Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes ____ No <u>✓</u>		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year			

## HYDROLOGY

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

**VEGETATION** -- Use scientific names of plants.

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

Tree Stratum (Plot size: 30 ft )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

  

Sapling/Shrub Stratum (Plot size: 15 ft )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

  

Herb Stratum (Plot size: 5 ft )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Triticum aestivum</i>	85	Yes	UPL
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		85	= Total Cover	

  

Woody Vine Stratum (Plot size: 30 ft )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

  

### Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

### Prevalence Index worksheet:

Total % Cover of:	Multiply By:
OBL species	0 x 1 = 0
FACW species	0 x 2 = 0
FAC species	0 x 3 = 0
FACU species	0 x 4 = 0
UPL species	85 x 5 = 425
Column Totals	85 (A) 425 (B)
Prevalence Index = B/A = 5	

### Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is > 50%

3 - Prevalence Index is ≤ 3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

### Definitions of Vegetation Strata:

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No ☒

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]



Vegetation Photos



Photo of Sample Plot



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

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 Vandever, 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 percent slopes NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation ☒ Soil \_\_\_\_ or Hydrology ☒ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-16</u>
Remarks: (Explain alternative procedures here or in a separate report)		
<p>TRC coverype is PFO. Area is wetland, all three wetland parameters are present. Circumstances are not normal due to agricultural activities</p>		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b>			
<b>Primary Indicators (minimum of one is required; check all that apply)</b>		<b>Secondary Indicators (minimum of two required)</b>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input checked="" type="checkbox"/> High Water Table (A2)	<input checked="" type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)	
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input checked="" type="checkbox"/> Microtopographic Relief (D4)	
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<b>Field Observations:</b>			
Surface Water Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>1</u>
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
(includes capillary fringe)			
<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
<p>Remarks:</p> <p>A positive indication of wetland hydrology was observed (primary and secondary indicators were present).</p>			

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

<u><b>Tree Stratum</b></u> (Plot size: <u>  30 ft   </u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Fraxinus pennsylvanica</i>	20	Yes	FACW
2.	<i>Acer rubrum</i>	12	Yes	FAC
3.	<i>Juglans nigra</i>	10	Yes	FACU
4.	<i>Quercus alba</i>	8	No	FACU
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
		<u>      50      </u>	= Total Cover	
<u><b>Sapling/Shrub Stratum</b></u> (Plot size: <u>  15 ft   </u> )				
1.	<i>Sambucus nigra</i>	10	Yes	FACW
2.	<i>Cornus amomum</i>	10	Yes	FACW
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
		<u>      20      </u>	= Total Cover	
<u><b>Herb Stratum</b></u> (Plot size: <u>   5 ft   </u> )				
1.	<i>Fraxinus pennsylvanica</i>	15	Yes	FACW
2.	<i>Acer rubrum</i>	5	Yes	FAC
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
8.	_____	_____	_____	_____
9.	_____	_____	_____	_____
10.	_____	_____	_____	_____
11.	_____	_____	_____	_____
12.	_____	_____	_____	_____
		<u>      20      </u>	= Total Cover	
<u><b>Woody Vine Stratum</b></u> (Plot size: <u>  30 ft   </u> )				
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
		<u>            0        </u>	= Total Cover	

**Remarks:** (Include photo numbers here or on a separate sheet.)

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**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC:       6       (A)

Total Number of Dominant Species Across All Strata:       7       (B)

Percent of Dominant Species That Are OBL, FACW, or FAC:      85.7       (A/B)

**Prevalence Index worksheet:**

<u>Total % Cover of:</u>		<u>Multiply By:</u>	
OBL species	<u>      0      </u>	x 1 =	<u>      0      </u>
FACW species	<u>     55      </u>	x 2 =	<u>     110      </u>
FAC species	<u>     17      </u>	x 3 =	<u>      51      </u>
FACU species	<u>     18      </u>	x 4 =	<u>      72      </u>
UPL species	<u>      0      </u>	x 5 =	<u>       0      </u>
Column Totals	<u>      90      </u>	(A) x (B)	<u>     233      </u>
Prevalence Index = B/A = <u>      2.6      </u>			

**Hydrophytic Vegetation Indicators:**

- \_\_\_       1- Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is ≤ 3.0¹
- \_\_\_       4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- \_\_\_       Problematic Hydrophytic Vegetation¹ (Explain)  
\_\_\_\_\_  
\_\_\_\_\_

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes ✓ No \_\_\_\_\_



## SOIL

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

[illegible]

Photo of Sample Plot









# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

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 loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland?	Yes ____ No <u>✓</u>
Hydric Soil Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____	
Wetland Hydrology Present?	Yes ____ No <u>✓</u>		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is UPL. Wetter than average year			

## HYDROLOGY

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)		
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>				
5. _____	_____	_____	_____	<b>Total % Cover of:</b>		<b>Multiply By:</b>		
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>	
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>	
	<u>0</u>	= Total Cover			FAC species	<u>0</u>	x 3 =	<u>0</u>
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )	_____	_____	_____	FACU species	<u>80</u>	x 4 =	<u>320</u>	
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>	
2. _____	_____	_____	_____	Column Totals	<u>80</u>	(A)	<u>320</u> (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>4</u>				
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>				
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	____ 2 - Dominance Test is > 50%				
7. _____	_____	_____	_____	____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>				
	<u>0</u>	= Total Cover			____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )	_____	_____	_____	____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
1. <i>Arctium minus</i>	<u>45</u>	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Galium aparine</i>	<u>20</u>	Yes	FACU	<b>Definitions of Vegetation Strata:</b>				
3. <i>Cirsium arvense</i>	<u>15</u>	No	FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.				
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>				
8. _____	_____	_____	_____					
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	<u>80</u>	= Total Cover						
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )	_____	_____	_____					
1. _____	_____	_____	_____					
2. _____	_____	_____	_____					
3. _____	_____	_____	_____					
4. _____	_____	_____	_____					
	<u>0</u>	= Total Cover						
Remarks: (Include photo numbers here or on a separate sheet.)								

## SOIL

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

[illegible]



Vegetation Photos



Photo of Sample Plot



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-07; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0864856 Long: -78.0923369 Datum: WGS84  
 Soil Map Unit Name: Wakeville silt loam NWI classification: PSS  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation ☒ Soil \_\_\_\_ or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-07</u>
Remarks: (Explain alternative procedures here or in a separate report)       TRC coverype is PEM. Circumstances are not normal due to agricultural activities		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input checked="" type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>8</u> (includes capillary fringe)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   					
Remarks:     A positive indication of wetland hydrology was observed (primary and secondary indicators were present).					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )				
1. <i>Phragmites australis</i>	55	Yes	FACW	
2. <i>Hesperis matronalis</i>	20	Yes	FACU	
3. <i>Eupatorium perfoliatum</i>	5	No	FACW	
4. <i>Alliaria petiolata</i>	5	No	FACU	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	85	= Total Cover		
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
	0	= Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <span style="float: right;">0</span>	x 1 = <span style="float: right;">0</span>
FACW species <span style="float: right;">60</span>	x 2 = <span style="float: right;">120</span>
FAC species <span style="float: right;">0</span>	x 3 = <span style="float: right;">0</span>
FACU species <span style="float: right;">25</span>	x 4 = <span style="float: right;">100</span>
UPL species <span style="float: right;">0</span>	x 5 = <span style="float: right;">0</span>
Column Totals <span style="float: right;">85</span>	(A) <span style="float: right;">220</span> (B)

Prevalence Index = B/A = 2.6

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

\_\_\_\_ 2 - Dominance Test is > 50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

☒ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)



## SOIL

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

[illegible]

Vegetation Photos



Photo of Sample Plot











# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

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.): Depression 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 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JJB-03
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is PFO.			

## HYDROLOGY

<b>Wetland Hydrology Indicators:</b>		
<b>Primary Indicators (minimum of one is required; check all that apply)</b>		<b>Secondary Indicators (minimum of two required)</b>
<input checked="" type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<b>Field Observations:</b>		
Surface Water Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>1</u>
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>2</u>
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>0</u>
(includes capillary fringe)		Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Carya cordiformis</i>	25	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	6 (A)
2. <i>Fraxinus pennsylvanica</i>	10	Yes	FACW	Total Number of Dominant Species Across All Strata:	6 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>	
5. _____	_____	_____	_____	<b>Total % Cover of:</b>	<b>Multiply By:</b>
6. _____	_____	_____	_____	OBL species	0 x 1 = 0
7. _____	_____	_____	_____	FACW species	43 x 2 = 86
	35 = Total Cover			FAC species	52 x 3 = 156
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				FACU species	0 x 4 = 0
1. <i>Ulmus americana</i>	15	Yes	FACW	UPL species	0 x 5 = 0
2. <i>Staphylea trifolia</i>	12	Yes	FAC	Column Totals	95 (A) 242 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>2.5</u>	
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>	
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	
	27 = Total Cover			____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <i>Fraxinus pennsylvanica</i>	18	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Geum aleppicum</i>	15	Yes	FAC	<b>Definitions of Vegetation Strata:</b>	
3. <i>Poaceae</i>	0	No	NI	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	33 = Total Cover				
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0 = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)					



## SOIL

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

[illegible]

Hydrology Photos



Vegetation Photos



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-06; PSS-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0859266 Long: -78.0910932 Datum: WGS84  
 Soil Map Unit Name: Wakeville silt loam NWI classification: PUB  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-06</u>
Remarks: (Explain alternative procedures here or in a separate report)       TRC coertype is PSS.		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input checked="" type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>9</u> Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>4</u> (includes capillary fringe)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Cornus amomum</i>	75	Yes	FACW
2.	<i>Salix nigra</i>	15	No	OBL
3.	<i>Frangula alnus</i>	8	No	FAC
4.				
5.				
6.				
7.				
		98	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		0	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
		0	= Total Cover	

**Dominance Test worksheet:**

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 Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>15</u>	x 1 =	<u>15</u>
FACW species	<u>75</u>	x 2 =	<u>150</u>
FAC species	<u>8</u>	x 3 =	<u>24</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>98</u>	(A)	<u>189</u> (B)
Prevalence Index = B/A =		<u>1.9</u>	

**Hydrophytic Vegetation Indicators:**

☒ 1 - Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]

Soil Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Elba, Genesee Sampling Date: 2019-June-05  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-19; PFO-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Swamp Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0585273868 Long: -78.1040480454 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: PFO1B  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-19</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PFO. Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<u>✓</u> Surface Water (A1)	<u>✓</u> Water-Stained Leaves (B9)		<u>   </u> Surface Soil Cracks (B6)		
<u>✓</u> High Water Table (A2)	<u>✓</u> Aquatic Fauna (B13)		<u>   </u> Drainage Patterns (B10)		
<u>✓</u> Saturation (A3)	<u>   </u> Marl Deposits (B15)		<u>✓</u> Moss Trim Lines (B16)		
<u>✓</u> Water Marks (B1)	<u>   </u> Hydrogen Sulfide Odor (C1)		<u>   </u> Dry-Season Water Table (C2)		
<u>   </u> Sediment Deposits (B2)	<u>   </u> Oxidized Rhizospheres on Living Roots (C3)		<u>   </u> Crayfish Burrows (C8)		
<u>   </u> Drift Deposits (B3)	<u>   </u> Presence of Reduced Iron (C4)		<u>   </u> Saturation Visible on Aerial Imagery (C9)		
<u>   </u> Algal Mat or Crust (B4)	<u>   </u> Recent Iron Reduction in Tilled Soils (C6)		<u>   </u> Stunted or Stressed Plants (D1)		
<u>   </u> Iron Deposits (B5)	<u>   </u> Thin Muck Surface (C7)		<u>✓</u> Geomorphic Position (D2)		
<u>✓</u> Inundation Visible on Aerial Imagery (B7)	<u>   </u> Other (Explain in Remarks)		<u>   </u> Shallow Aquitard (D3)		
<u>✓</u> Sparsely Vegetated Concave Surface (B8)			<u>✓</u> Microtopographic Relief (D4)		
			<u>✓</u> FAC-Neutral Test (D5)		
<b>Field Observations:</b> Surface Water Present? Yes <u>✓</u> No ____ Depth (inches): <u>3</u> Water Table Present? Yes <u>✓</u> No ____ Depth (inches): <u>8</u> Saturation Present? Yes <u>✓</u> No ____ Depth (inches): <u>0</u> (includes capillary fringe)			Wetland Hydrology Present? Yes <u>✓</u> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer saccharinum</i>	45	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	7 (A)
2. <i>Acer rubrum</i>	30	Yes	FAC	Total Number of Dominant Species Across All Strata:	7 (B)
3. <i>Ulmus americana</i>	25	Yes	FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>	
5. _____	_____	_____	_____	<b>Total % Cover of:</b>	<b>Multiply By:</b>
6. _____	_____	_____	_____	OBL species	20 x 1 = 20
7. _____	_____	_____	_____	FACW species	85 x 2 = 170
	100	= Total Cover		FAC species	55 x 3 = 165
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				FACU species	0 x 4 = 0
1. <i>Fraxinus pennsylvanica</i>	15	Yes	FACW	UPL species	0 x 5 = 0
2. _____	_____	_____	_____	Column Totals	160 (A) 355 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>2.2</u>	
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>	
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	
	15	= Total Cover		____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <i>Glyceria striata</i>	20	Yes	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Persicaria virginiana</i>	15	Yes	FAC	<b>Definitions of Vegetation Strata:</b>	
3. <i>Toxicodendron radicans</i>	10	Yes	FAC	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	45	= Total Cover			
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

## SOIL

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

[illegible]

## Hydrology Photos





Soil Photos



Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-31  
 Applicant/Owner: NextEra State: New York Sampling Point: WJDV-13; UPL-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0681671 Long: -78.1112122 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: please check this

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)  
 Are Vegetation ☐ Soil ☐ or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐  
 Are Vegetation ☐ Soil ☐ or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coverytype is UPL. Area is upland, not all three wetland parameters are present.		

## **HYDROLOGY**

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





VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Populus deltoides</i>		8	Yes	FAC
2.					
3.					
4.					
5.					
6.					
7.					
			8	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Dactylis glomerata</i>		50	Yes	FACU
2.	<i>Dipsacus fullonum</i>		25	Yes	FACU
3.	<i>Alliaria petiolata</i>		10	No	FACU
4.	<i>Solidago canadensis</i>		10	No	FACU
5.	<i>Arctium minus</i>		5	No	FACU
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			100	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>0</u>	x 2 =	<u>0</u>
FAC species	<u>8</u>	x 3 =	<u>24</u>
FACU species	<u>100</u>	x 4 =	<u>400</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>108</u>	(A)	<u>424</u> (B)
Prevalence Index = B/A = <u>3.9</u>			

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

     2 - Dominance Test is > 50%

     3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes      No ✓

**Remarks: (Include photo numbers here or on a separate sheet.)**

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).

## SOIL

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

[illegible]



Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-12  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-33; UPL-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0569898105 Long: -78.0894565769 Datum: WGS84  
 Soil Map Unit Name: Lamson very fine sandy loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:				
5. _____	_____	_____	_____	<u>Total % Cover of:</u>		<u>Multiply By:</u>		
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>	
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>	
	<u>0</u>	= Total Cover			FAC species	<u>0</u>	x 3 =	<u>0</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FACU species	<u>105</u>	x 4 =	<u>420</u>	
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>	
2. _____	_____	_____	_____	Column Totals	<u>105</u>	(A)	<u>420</u> (B)	
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>4</u>				
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:				
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation				
6. _____	_____	_____	_____	____ 2 - Dominance Test is > 50%				
7. _____	_____	_____	_____	____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>				
	<u>0</u>	= Total Cover			____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: <u>5 ft</u> )				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
1. <i>Plantago major</i>	<u>60</u>	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
2. <i>Poa pratensis</i>	<u>45</u>	Yes	FACU	Definitions of Vegetation Strata:				
3. _____	_____	_____	_____	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.				
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>				
8. _____	_____	_____	_____					
9. _____	_____	_____	_____					
10. _____	_____	_____	_____					
11. _____	_____	_____	_____					
12. _____	_____	_____	_____					
	<u>105</u>	= Total Cover						
Woody Vine Stratum (Plot size: <u>30 ft</u> )								
1. _____	_____	_____	_____					
2. _____	_____	_____	_____					
3. _____	_____	_____	_____					
4. _____	_____	_____	_____					
	<u>0</u>	= Total Cover						
Remarks: (Include photo numbers here or on a separate sheet.)								

## SOIL

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

[illegible]

Vegetation Photos



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-05  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-17; UPL-2  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, 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 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
____ Surface Water (A1) ____ High Water Table (A2) ____ Saturation (A3) ____ Water Marks (B1) ____ Sediment Deposits (B2)  ____ Drift Deposits (B3) ____ Algal Mat or Crust (B4) ____ Iron Deposits (B5) ____ Inundation Visible on Aerial Imagery (B7) ____ Sparsely Vegetated Concave Surface (B8)	____ Water-Stained Leaves (B9) ____ Aquatic Fauna (B13) ____ Marl Deposits (B15) ____ Hydrogen Sulfide Odor (C1) ____ Oxidized Rhizospheres on Living Roots (C3)  ____ Presence of Reduced Iron (C4) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Thin Muck Surface (C7) ____ Other (Explain in Remarks)	____ 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)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <u>✓</u> Depth (inches): _____ Water Table Present? Yes ____ No <u>✓</u> Depth (inches): _____ Saturation Present? Yes ____ No <u>✓</u> Depth (inches): _____ (includes capillary fringe)			<b>Wetland Hydrology Present?</b> Yes ____ No <u>✓</u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
	0	= Total Cover			
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	0	= Total Cover			
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)

---

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <span style="float: right;">0</span>	x 1 = <span style="float: right;">0</span>
FACW species <span style="float: right;">0</span>	x 2 = <span style="float: right;">0</span>
FAC species <span style="float: right;">0</span>	x 3 = <span style="float: right;">0</span>
FACU species <span style="float: right;">0</span>	x 4 = <span style="float: right;">0</span>
UPL species <span style="float: right;">0</span>	x 5 = <span style="float: right;">0</span>
Column Totals <span style="float: right;">0</span>	(A) <span style="float: right;">0</span> (B)

Prevalence Index = B/A = \_\_\_\_\_

---

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

\_\_\_\_ 2 - Dominance Test is > 50%

\_\_\_\_ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

---

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

---

Hydrophytic Vegetation Present? Yes \_\_\_\_ No ✓

**Remarks: (Include photo numbers here or on a separate sheet.)**

Active agricultural field



## SOIL

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

[illegible]

Vegetation Photos



Soil Photos





Photo of Sample Plot





# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-05; PFO-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0871764 Long: -78.0835607 Datum: WGS84  
 Soil Map Unit Name: Lakemont silty clay loam NWI classification: PFO  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JDV-05
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coertype is PFO.			

## HYDROLOGY

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Quercus bicolor</i>	35	Yes	FACW
2. <i>Fraxinus americana</i>	20	Yes	FACU
3. <i>Acer rubrum</i>	15	No	FAC
4. <i>Fraxinus pennsylvanica</i>	15	No	FACW
5. <i>Ulmus americana</i>	12	No	FACW
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	97	= Total Cover	
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>			
1. <i>Frangula alnus</i>	15	Yes	FAC
2. <i>Fraxinus pennsylvanica</i>	12	Yes	FACW
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	27	= Total Cover	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>			
1. <i>Persicaria arifolia</i>	8	Yes	OBL
2. <i>Toxicodendron radicans</i>	5	Yes	FAC
3. <i>Carex stipata</i>	3	No	OBL
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	16	= Total Cover	
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <u>11</u>	x 1 = <u>11</u>
FACW species <u>74</u>	x 2 = <u>148</u>
FAC species <u>35</u>	x 3 = <u>105</u>
FACU species <u>20</u>	x 4 = <u>80</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>140</u>	(A) <u>344</u> (B)
Prevalence Index = B/A = <u>2.5</u>	

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No \_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]



Soil Photos



Photo of Sample Plot













# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-05; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0915637 Long: -78.0765702 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: 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 disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JDV-05
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is PEM. Circumstances are not normal due to agricultural activities			

## HYDROLOGY

<b>Wetland Hydrology Indicators:</b>		
<b>Primary Indicators (minimum of one is required; check all that apply)</b>		<b>Secondary Indicators (minimum of two required)</b>
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input checked="" type="checkbox"/> Microtopographic Relief (D4)
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<b>Field Observations:</b>		
Surface Water Present?	Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present?	Yes ____ No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches): <u>6</u>
(includes capillary fringe)		
<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Cornus amomum</i>		8	Yes	FACW
2.	<i>Salix nigra</i>		5	Yes	OBL
3.					
4.					
5.					
6.					
7.					
			13	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Poa palustris</i>		20	Yes	FACW
2.	<i>Echinochloa crus-galli</i>		20	Yes	FAC
3.	<i>Juncus effusus</i>		15	Yes	OBL
4.	<i>Juncus tenuis</i>		15	Yes	FAC
5.	<i>Rumex crispus</i>		8	No	FAC
6.	<i>Taraxacum ceratophorum</i>		5	No	FAC
7.					
8.					
9.					
10.					
11.					
12.					
			83	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>20</u>	x 1 =	<u>20</u>
FACW species	<u>28</u>	x 2 =	<u>56</u>
FAC species	<u>48</u>	x 3 =	<u>144</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>96</u>	(A)	<u>220</u> (B)
Prevalence Index = B/A = <u>2.3</u>			

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]



## Soil Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

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 Cosgrove Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.072991157 Long: -78.056350574 Datum: WGS84  
 Soil Map Unit Name: Canandaigua silt loam, 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JJB-05</u>
Remarks: (Explain alternative procedures here or in a separate report)       TRC coverype is PSS. Maintained power line ROW		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>			
<input checked="" type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)					
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)					
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)					
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)					
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)					
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)					
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)					
<input checked="" type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)					
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)					
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)					
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)					
<b>Field Observations:</b> Surface Water Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>1</u> Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>4</u> Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>0</u> (includes capillary fringe)				Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   							
Remarks:      							

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

Tree Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Cornus amomum</i>		45	Yes	FACW
2.	<i>Salix nigra</i>		20	Yes	OBL
3.	<i>Acer saccharinum</i>		8	No	FACW
4.					
5.					
6.					
7.					
			73	= Total Cover	
Herb Stratum (Plot size: 5 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Typha angustifolia</i>		20	Yes	OBL
2.	<i>Onoclea sensibilis</i>		15	Yes	FACW
3.	<i>Lysimachia nummularia</i>		15	Yes	FACW
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			50	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

**Dominance Test worksheet:**

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:**

Total % Cover of:	Multiply By:
OBL species 40	x 1 = 40
FACW species 83	x 2 = 166
FAC species 0	x 3 = 0
FACU species 0	x 4 = 0
UPL species 0	x 5 = 0
Column Totals 123	(A) 206 (B)
Prevalence Index = B/A = 1.7	

**Hydrophytic Vegetation Indicators:**

☒ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes ☒ No ☐

## SOIL

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

[illegible]



Hydrology Photos



Vegetation Photos



Soil Photos





Photo of Sample Plot





# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-28  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-03; UPL-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): None Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0805056 Long: -78.0450984 Datum: WGS84  
 Soil Map Unit Name: Ontario loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coverype is UPL. Circumstances are not normal due to mowing of vegetation		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>			
5. _____	_____	_____	_____	<b>Total % Cover of:</b>		<b>Multiply By:</b>	
6. _____	_____	_____	_____	OBL species	<u>0</u>	x 1 =	<u>0</u>
7. _____	_____	_____	_____	FACW species	<u>0</u>	x 2 =	<u>0</u>
	<u>0</u>	= Total Cover		FAC species	<u>0</u>	x 3 =	<u>0</u>
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )	_____	_____	_____	FACU species	<u>113</u>	x 4 =	<u>452</u>
1. _____	_____	_____	_____	UPL species	<u>0</u>	x 5 =	<u>0</u>
2. _____	_____	_____	_____	Column Totals	<u>113</u>	(A)	<u>452</u> (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>4</u>			
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>			
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation			
6. _____	_____	_____	_____	____ 2 - Dominance Test is > 50%			
7. _____	_____	_____	_____	____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>			
	<u>0</u>	= Total Cover		____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )	_____	_____	_____	____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
1. <i>Phleum pratense</i>	<u>30</u>	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. <i>Poa pratensis</i>	<u>30</u>	Yes	FACU	<b>Definitions of Vegetation Strata:</b>			
3. <i>Trifolium pratense</i>	<u>20</u>	No	FACU	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
4. <i>Viola pedatifida</i>	<u>10</u>	No	FACU	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
5. <i>Taraxacum officinale</i>	<u>10</u>	No	FACU	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
6. <i>Plantago lanceolata</i>	<u>8</u>	No	FACU	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
7. <i>Fragaria virginiana</i>	<u>5</u>	No	FACU	<b>Hydrophytic Vegetation Present?</b> Yes ____ No <u>✓</u>			
8. _____	_____	_____	_____				
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
12. _____	_____	_____	_____				
	<u>113</u>	= Total Cover					
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )	_____	_____	_____				
1. _____	_____	_____	_____				
2. _____	_____	_____	_____				
3. _____	_____	_____	_____				
4. _____	_____	_____	_____				
	<u>0</u>	= Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)							

## SOIL

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

[illegible]



## Soil Photos



Photo of Sample Plot





Photo of Sample Plot  
Sketch





# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-10  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-25; UPL-2  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0626512412 Long: -78.0796613172 Datum: WGS84  
 Soil Map Unit Name: Lakemont silty clay loam NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wet year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
____ Surface Water (A1) ____ High Water Table (A2) ____ Saturation (A3) ____ Water Marks (B1) ____ Sediment Deposits (B2)  ____ Drift Deposits (B3) ____ Algal Mat or Crust (B4) ____ Iron Deposits (B5) ____ Inundation Visible on Aerial Imagery (B7) ____ Sparsely Vegetated Concave Surface (B8)	____ Water-Stained Leaves (B9) ____ Aquatic Fauna (B13) ____ Marl Deposits (B15) ____ Hydrogen Sulfide Odor (C1) ____ Oxidized Rhizospheres on Living Roots (C3)  ____ Presence of Reduced Iron (C4) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Thin Muck Surface (C7) ____ Other (Explain in Remarks)	____ 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)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <u>✓</u> Depth (inches): _____ Water Table Present? Yes ____ No <u>✓</u> Depth (inches): _____ Saturation Present? Yes ____ No <u>✓</u> Depth (inches): _____ (includes capillary fringe)			<b>Wetland Hydrology Present?</b> Yes ____ No <u>✓</u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover		<b>Prevalence Index worksheet:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: left;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>OBL species</td><td><u>0</u></td><td>x 1 =</td><td><u>0</u></td><td></td></tr> <tr><td>FACW species</td><td><u>0</u></td><td>x 2 =</td><td><u>0</u></td><td></td></tr> <tr><td>FAC species</td><td><u>0</u></td><td>x 3 =</td><td><u>0</u></td><td></td></tr> <tr><td>FACU species</td><td><u>0</u></td><td>x 4 =</td><td><u>0</u></td><td></td></tr> <tr><td>UPL species</td><td><u>15</u></td><td>x 5 =</td><td><u>75</u></td><td></td></tr> <tr><td>Column Totals</td><td><u>15</u></td><td>(A)</td><td><u>75</u></td><td>(B)</td></tr> <tr><td colspan="5">Prevalence Index = B/A = <u>5</u></td></tr> </tbody> </table>	Total % Cover of:		Multiply By:			OBL species	<u>0</u>	x 1 =	<u>0</u>		FACW species	<u>0</u>	x 2 =	<u>0</u>		FAC species	<u>0</u>	x 3 =	<u>0</u>		FACU species	<u>0</u>	x 4 =	<u>0</u>		UPL species	<u>15</u>	x 5 =	<u>75</u>		Column Totals	<u>15</u>	(A)	<u>75</u>	(B)	Prevalence Index = B/A = <u>5</u>				
Total % Cover of:		Multiply By:																																										
OBL species	<u>0</u>	x 1 =	<u>0</u>																																									
FACW species	<u>0</u>	x 2 =	<u>0</u>																																									
FAC species	<u>0</u>	x 3 =	<u>0</u>																																									
FACU species	<u>0</u>	x 4 =	<u>0</u>																																									
UPL species	<u>15</u>	x 5 =	<u>75</u>																																									
Column Totals	<u>15</u>	(A)	<u>75</u>	(B)																																								
Prevalence Index = B/A = <u>5</u>																																												
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15 ft</u> )																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
<b>Herb Stratum</b> (Plot size: <u>5 ft</u> )																																												
1. <i>Zea mays</i>	<u>15</u>	<u>Yes</u>	<u>UPL</u>																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
	<u>15</u>	= Total Cover																																										
<b>Woody Vine Stratum</b> (Plot size: <u>30 ft</u> )																																												
1. _____	_____	_____	_____																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover																																										
<b>Remarks: (Include photo numbers here or on a separate sheet.)</b>																																												

## SOIL

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

[illegible]



Photo of Sample Plot



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

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 Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Flood Plain 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 typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology ☒ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: W-JDV-14
Remarks: (Explain alternative procedures here or in a separate report)       TRC coverype is PSS. Area is wetland, all three wetland parameters are present. Beaver activity on spring creek has altered hydrology		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Salix nigra</i>		55	Yes	OBL
2.					
3.					
4.					
5.					
6.					
7.					
			55	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Poa palustris</i>		25	Yes	FACW
2.	<i>Impatiens capensis</i>		10	Yes	FACW
3.	<i>Acer rubrum</i>		10	Yes	FAC
4.	<i>Epilobium strictum</i>		5	No	OBL
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			50	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:		Multiply By:	
OBL species	<u>60</u>	x 1 =	<u>60</u>
FACW species	<u>35</u>	x 2 =	<u>70</u>
FAC species	<u>10</u>	x 3 =	<u>30</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column Totals	<u>105</u>	(A)	<u>160</u> (B)
Prevalence Index = B/A =		<u>1.5</u>	

**Hydrophytic Vegetation Indicators:**

     1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No

**Remarks: (Include photo numbers here or on a separate sheet.)**

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 ≤ 3.00).



## SOIL

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

[illegible]

Vegetation Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-13  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-31; UPL-2  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0528172572 Long: -78.0875804555 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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

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

Tree Stratum (Plot size: <u>30 ft</u> )		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		<u>0</u>	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		<u>0</u>	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u> )				
1.	<i>Zea mays</i>	15	Yes	UPL
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		<u>15</u>	= Total Cover	
Woody Vine Stratum (Plot size: <u>30 ft</u> )				
1.				
2.				
3.				
4.				
		<u>0</u>	= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Active agricultural field

Dominance Test worksheet:			
Number of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A)	
Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)	
Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>0</u>	(A/B)	
Prevalence Index worksheet:			
Total % Cover of:	Multiply By:		
OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>0</u>	x 2 =	<u>0</u>
FAC species	<u>0</u>	x 3 =	<u>0</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>15</u>	x 5 =	<u>75</u>
Column Totals	<u>15</u>	(A)	<u>75</u> (B)
Prevalence Index = B/A =		<u>5</u>	
Hydrophytic Vegetation Indicators:			
<u>    </u> 1- Rapid Test for Hydrophytic Vegetation			
<u>    </u> 2 - Dominance Test is > 50%			
<u>    </u> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>			
<u>    </u> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
<u>    </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
Definitions of Vegetation Strata:			
<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
Hydrophytic Vegetation Present? Yes <u>    </u> No <u>✓</u>			



## SOIL

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

[illegible]

Vegetation Photos



Soil Photos





Photo of Sample Plot







Photo of Sample Plot  
Sketch



# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-12  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-33; PUB-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): 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: Lamson very fine sandy loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-33</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PUB. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<u>✓</u> Surface Water (A1)	<u>✓</u> Water-Stained Leaves (B9)		<u>   </u> Surface Soil Cracks (B6)		
<u>✓</u> High Water Table (A2)	<u>✓</u> Aquatic Fauna (B13)		<u>   </u> Drainage Patterns (B10)		
<u>✓</u> Saturation (A3)	<u>   </u> Marl Deposits (B15)		<u>   </u> Moss Trim Lines (B16)		
<u>   </u> Water Marks (B1)	<u>   </u> Hydrogen Sulfide Odor (C1)		<u>   </u> Dry-Season Water Table (C2)		
<u>   </u> Sediment Deposits (B2)	<u>   </u> Oxidized Rhizospheres on Living Roots (C3)		<u>   </u> Crayfish Burrows (C8)		
<u>   </u> Drift Deposits (B3)	<u>   </u> Presence of Reduced Iron (C4)		<u>   </u> Saturation Visible on Aerial Imagery (C9)		
<u>   </u> Algal Mat or Crust (B4)	<u>   </u> Recent Iron Reduction in Tilled Soils (C6)		<u>   </u> Stunted or Stressed Plants (D1)		
<u>   </u> Iron Deposits (B5)	<u>   </u> Thin Muck Surface (C7)		<u>✓</u> Geomorphic Position (D2)		
<u>✓</u> Inundation Visible on Aerial Imagery (B7)	<u>   </u> Other (Explain in Remarks)		<u>   </u> Shallow Aquitard (D3)		
<u>   </u> Sparsely Vegetated Concave Surface (B8)			<u>   </u> Microtopographic Relief (D4)		
			<u>✓</u> FAC-Neutral Test (D5)		
<b>Field Observations:</b> Surface Water Present? Yes <u>✓</u> No ____ Depth (inches): <u>24</u> Water Table Present? Yes <u>✓</u> No ____ Depth (inches): <u>0</u> Saturation Present? Yes <u>✓</u> No ____ Depth (inches): <u>0</u> (includes capillary fringe)			Wetland Hydrology Present? Yes <u>✓</u> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:			
	Absolute % Cover	Dominant Species?	Indicator Status				
1. <i>Salix nigra</i>	12	Yes	OBL	Number of Dominant Species That Are OBL, FACW, or FAC:			2 (A)
2. <i>Fraxinus pennsylvanica</i>	5	Yes	FACW	Total Number of Dominant Species Across All Strata:			2 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:			100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:			
5. _____	_____	_____	_____	Total % Cover of:		Multiply By:	
6. _____	_____	_____	_____	OBL species	12	x 1 =	12
7. _____	_____	_____	_____	FACW species	5	x 2 =	10
	17	= Total Cover		FAC species	0	x 3 =	0
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FACU species	0	x 4 =	0
1. _____	_____	_____	_____	UPL species	0	x 5 =	0
2. _____	_____	_____	_____	Column Totals	17	(A)	22 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>1.3</u>			
4. _____	_____	_____	_____	Hydrophytic Vegetation Indicators:			
5. _____	_____	_____	_____	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation			
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%			
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>			
	0	= Total Cover		____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
Herb Stratum (Plot size: <u>5 ft</u> )				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
1. _____	_____	_____	_____	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
2. _____	_____	_____	_____	Definitions of Vegetation Strata:			
3. _____	_____	_____	_____	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____			
8. _____	_____	_____	_____				
9. _____	_____	_____	_____				
10. _____	_____	_____	_____				
11. _____	_____	_____	_____				
12. _____	_____	_____	_____				
	0	= Total Cover					
Woody Vine Stratum (Plot size: <u>30 ft</u> )							
1. _____	_____	_____	_____				
2. _____	_____	_____	_____				
3. _____	_____	_____	_____				
4. _____	_____	_____	_____				
	0	= Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)							



## SOIL

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

[illegible]

Hydrology Photos



Vegetation Photos



Photo of Sample Plot





# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-30  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-12; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0490571 Long: -78.112081 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 0 to 3 percent slopes NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation ☒ Soil ☒ or Hydrology ☒ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ☒  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JDV-12</u>
Remarks: (Explain alternative procedures here or in a separate report)   TRC coverytype is PEM. Area is wetland, all three wetland parameters are present. Circumstances are not normal due to agricultural activities, Landowner has installed drainage ditches and severely disturbed the wetland.		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators (minimum of one is required; check all that apply)</b>				<b>Secondary Indicators (minimum of two required)</b>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Surface Soil Cracks (B6)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input checked="" type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>1</u>	<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____	
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>		
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					
A positive indication of wetland hydrology was observed (primary and secondary indicators were present).					

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

Tree Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= Total Cover	
Herb Stratum (Plot size: 5 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Typha angustifolia</i>		30	Yes	OBL
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			30	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft )			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
			0	= Total Cover	

**Remarks:** (Include photo numbers here or on a separate sheet.)

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 ≤ 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation). Vegetation is severely disturbed due to landowner ditch installation.

**Dominance Test worksheet:**

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 Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species 30	x 1 = 30
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 30	(A) 30 (B)

Prevalence Index = B/A = 1

**Hydrophytic Vegetation Indicators:**

☒ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?** Yes ☒ No ☐

## SOIL

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

[illegible]



Vegetation Photos



Soil Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-31  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-16; UPL-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): None Slope (%): 10-20  
 Subregion (LRR or MLRA): LRR L Lat: 43.0746071 Long: -78.1028243 Datum: WGS84  
 Soil Map Unit Name: Ovid silt loam, 3 to 8 percent slopes NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Area is upland, not all three wetland parameters are present.		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Quercus alba</i>	65	Yes	FACU
2. <i>Crataegus crus-galli</i>	15	No	FAC
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	80 = Total Cover		
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>			
1. <i>Malus sp.</i>	10	Yes	NI
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	10 = Total Cover		
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>			
1. <i>Podophyllum peltatum</i>	80	Yes	FACU
2. <i>Parthenocissus quinquefolia</i>	5	No	FACU
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	85 = Total Cover		
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>			
1. <i>Vitis aestivalis</i>	8	Yes	FACU
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	8 = Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>15</u>	x 3 = <u>45</u>
FACU species <u>158</u>	x 4 = <u>632</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>173</u>	(A) <u>677</u> (B)

Prevalence Index = B/A = 3.9

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

\_\_\_\_ 2 - Dominance Test is > 50%

\_\_\_\_ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes \_\_\_\_ No ✓

**Remarks: (Include photo numbers here or on a separate sheet.)**

No positive indication of hydrophytic vegetation was observed (≥50% of dominant species indexed as FAC– or drier).

## SOIL

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

[illegible]



Photo of Sample Plot







# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

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 percent slopes NWI classification: R4SB  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-14</u>
Remarks: (Explain alternative procedures here or in a separate report)		
TRC coverype is PEM. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>	
<u>✓</u> Surface Water (A1)	<u>✓</u> Water-Stained Leaves (B9)	<u>  </u> Surface Soil Cracks (B6)			
<u>✓</u> High Water Table (A2)	<u>✓</u> Aquatic Fauna (B13)	<u>  </u> Drainage Patterns (B10)			
<u>✓</u> Saturation (A3)	<u>  </u> Marl Deposits (B15)	<u>  </u> Moss Trim Lines (B16)			
<u>  </u> Water Marks (B1)	<u>✓</u> Hydrogen Sulfide Odor (C1)	<u>  </u> Dry-Season Water Table (C2)			
<u>  </u> Sediment Deposits (B2)	<u>  </u> Oxidized Rhizospheres on Living Roots (C3)	<u>  </u> Crayfish Burrows (C8)			
<u>  </u> Drift Deposits (B3)	<u>  </u> Presence of Reduced Iron (C4)	<u>  </u> Saturation Visible on Aerial Imagery (C9)			
<u>✓</u> Algal Mat or Crust (B4)	<u>  </u> Recent Iron Reduction in Tilled Soils (C6)	<u>  </u> Stunted or Stressed Plants (D1)			
<u>  </u> Iron Deposits (B5)	<u>  </u> Thin Muck Surface (C7)	<u>✓</u> Geomorphic Position (D2)			
<u>  </u> Inundation Visible on Aerial Imagery (B7)	<u>  </u> Other (Explain in Remarks)	<u>  </u> Shallow Aquitard (D3)			
<u>  </u> Sparsely Vegetated Concave Surface (B8)		<u>  </u> Microtopographic Relief (D4)			
		<u>✓</u> FAC-Neutral Test (D5)			
<b>Field Observations:</b>					
Surface Water Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>3</u>	Wetland Hydrology Present? Yes <u>✓</u> No ____	
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>1</u>		
Saturation Present?	Yes <u>✓</u> No ____	Depth (inches):	<u>0</u>		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:  Agriculture drainage swale					



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				
1. <i>Typha latifolia</i>	55	Yes	OBL	
2. <i>Ranunculus sceleratus</i>	15	No	OBL	
3. <i>Eleocharis obtusa</i>	10	No	OBL	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	80	= Total Cover		
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
	0	= Total Cover		

**Dominance Test worksheet:**

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 Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <span style="float: right;">80</span>	x 1 = <span style="float: right;">80</span>
FACW species <span style="float: right;">0</span>	x 2 = <span style="float: right;">0</span>
FAC species <span style="float: right;">0</span>	x 3 = <span style="float: right;">0</span>
FACU species <span style="float: right;">0</span>	x 4 = <span style="float: right;">0</span>
UPL species <span style="float: right;">0</span>	x 5 = <span style="float: right;">0</span>
Column Totals <span style="float: right;">80</span>	(A) <span style="float: right;">80</span> (B)

Prevalence Index = B/A = 1

**Hydrophytic Vegetation Indicators:**

☒ 1 - Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

☒ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No \_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]

## Hydrology Photos





## Soil Photos



Photo of Sample Plot



# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-30  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-10; PEM-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0736102 Long: -78.1026795 Datum: WGS84  
 Soil Map Unit Name: Ontario loam, 3 to 8 percent slopes NWI classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No \_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation ☒ Soil \_\_\_\_ or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No ____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID:	W-JDV-10
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverype is PEM. Area is wetland, all three wetland parameters are present. Circumstances are not normal due to agricultural activities			

## HYDROLOGY

<b>Wetland Hydrology Indicators:</b>			
<b>Primary Indicators (minimum of one is required; check all that apply)</b>		<b>Secondary Indicators (minimum of two required)</b>	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input checked="" type="checkbox"/> Surface Soil Cracks (B6)	
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input checked="" type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)	
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<b>Field Observations:</b>			
Surface Water Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>1</u>
Water Table Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
Saturation Present?	Yes <input checked="" type="checkbox"/> No ____	Depth (inches):	<u>0</u>
(includes capillary fringe)			
<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No ____			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			
A positive indication of wetland hydrology was observed (primary and secondary indicators were present).			



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status																																																	
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																																
2. _____	_____	_____	_____																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
5. _____	_____	_____	_____																																																	
6. _____	_____	_____	_____																																																	
7. _____	_____	_____	_____																																																	
	0	= Total Cover		<b>Prevalence Index worksheet:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;">Total % Cover of:</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Multiply By:</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;">35</td> <td></td> <td>x 1 =</td> <td style="text-align: center;">35</td> <td></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;">0</td> <td></td> <td>x 2 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;">0</td> <td></td> <td>x 3 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;">0</td> <td></td> <td>x 4 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;">0</td> <td></td> <td>x 5 =</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td>Column Totals</td> <td style="text-align: center;">35</td> <td></td> <td>(A)</td> <td style="text-align: center;">35</td> <td>(B)</td> </tr> <tr> <td colspan="4" style="text-align: right;">Prevalence Index = B/A =</td> <td style="text-align: center;">1</td> <td></td> </tr> </tbody> </table>		Total % Cover of:		Multiply By:			OBL species	35		x 1 =	35		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	
	Total % Cover of:		Multiply By:																																																	
OBL species	35		x 1 =		35																																															
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																																																
				<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup> _____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																																
1. _____	_____	_____	_____																																																	
2. _____	_____	_____	_____																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
5. _____	_____	_____	_____																																																	
6. _____	_____	_____	_____																																																	
	0	= Total Cover		<b>Definitions of Vegetation Strata:</b> <b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. <b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. <b>Woody vines</b> – All woody vines greater than 3.28 ft in height.																																																
				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____																																																
1. _____	_____	_____	_____																																																	
2. _____	_____	_____	_____																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
	35	= Total Cover																																																		
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>																																																				
1. _____	_____	_____	_____																																																	
2. _____	_____	_____	_____																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
	0	= Total Cover																																																		

**Remarks: (Include photo numbers here or on a separate sheet.)**

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 ≤ 3.00). A positive indication of hydrophytic vegetation was observed (Rapid Test for Hydrophytic Vegetation).

## SOIL

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

[illegible]

Soil Photos



Photo of Sample Plot









# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-05; UPL-1  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): Flat Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0873057 Long: -78.0834567 Datum: WGS84  
 Soil Map Unit Name: Lakemont silty clay loam NWI classification: PFO  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)  
 Are Vegetation ☐ Soil ☐ or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐  
 Are Vegetation ☐ Soil ☐ or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Area is upland, not all three wetland parameters are present.		

## **HYDROLOGY**

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



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Quercus bicolor</i>	45	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	2 (A)
2. <i>Quercus alba</i>	25	Yes	FACU	Total Number of Dominant Species Across All Strata:	6 (B)
3. <i>Fraxinus americana</i>	15	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC:	33.3 (A/B)
4. <i>Betula papyrifera</i>	10	No	FACU		
5. _____					
6. _____					
7. _____					
	95	= Total Cover		Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				<b>Total % Cover of:</b> <b>Multiply By:</b>	
1. <i>Fraxinus americana</i>	15	Yes	FACU	OBL species	0 x 1 = 0
2. _____				FACW species	65 x 2 = 130
3. _____				FAC species	5 x 3 = 15
4. _____				FACU species	133 x 4 = 532
5. _____				UPL species	0 x 5 = 0
6. _____				Column Totals	203 (A) 677 (B)
7. _____				Prevalence Index = B/A = <u>3.3</u>	
	15	= Total Cover		Hydrophytic Vegetation Indicators:	
Herb Stratum (Plot size: <u>5 ft</u> )				_____ 1- Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is > 50% _____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup> _____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
1. <i>Tussilago farfara</i>	40	Yes	FACU	Definitions of Vegetation Strata:	
2. <i>Quercus bicolor</i>	20	Yes	FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. <b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. <b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
3. <i>Fraxinus americana</i>	12	No	FACU	Hydrophytic Vegetation Present? Yes _____ No <u>✓</u>	
4. <i>Hesperis matronalis</i>	8	No	FACU		
5. <i>Toxicodendron radicans</i>	5	No	FAC		
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
12. _____					
	85	= Total Cover			
Woody Vine Stratum (Plot size: <u>30 ft</u> )					
1. <i>Vitis aestivalis</i>	8	Yes	FACU		
2. _____					
3. _____					
4. _____					
	8	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

## SOIL

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

[illegible]

Soil Photos



Photo of Sample Plot











# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-May-30  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-06; PFO-6  
 Investigator(s): Jake Brillo, Rebecca Cosgrove Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0760870548 Long: -78.0540085026 Datum: WGS84  
 Soil Map Unit Name: Newstead silt loam, 0 to 3 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No ____	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No ____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No ____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No ____	If yes, optional Wetland Site ID: <u>W-JJB-06</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coertype is PFO.		

## **HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u>			<u>Secondary Indicators (minimum of two required)</u>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)			
		<input checked="" type="checkbox"/> FAC-Neutral Test (D5)			
<b>Field Observations:</b> Surface Water Present? Yes ____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>12</u> Saturation Present? Yes <input checked="" type="checkbox"/> No ____ Depth (inches): <u>0</u> (includes capillary fringe)			Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:    					
Remarks:          					



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <i>Acer rubrum</i>	20	Yes	FAC
2. <i>Tilia americana</i>	10	Yes	FACU
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	30	= Total Cover	
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>			
1. <i>Lindera benzoin</i>	30	Yes	FACW
2. <i>Carpinus caroliniana</i>	15	Yes	FAC
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	45	= Total Cover	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>			
1. <i>Onoclea sensibilis</i>	10	Yes	FACW
2. <i>Parthenocissus quinquefolia</i>	50	Percent cover cannot be greater than a previous species	FACU
3. <i>Toxicodendron radicans</i>	20	Yes	FAC
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	80	= Total Cover	
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	0	= Total Cover	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>40</u>	x 2 = <u>80</u>
FAC species <u>55</u>	x 3 = <u>165</u>
FACU species <u>60</u>	x 4 = <u>240</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>155</u>	(A) <u>485</u> (B)
Prevalence Index = B/A = <u>3.1</u>	

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

☒ 2 - Dominance Test is >50%

\_\_\_\_ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ☒ No \_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

## SOIL

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

[illegible]

# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee Sampling Date: 2019-June-03  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-13; UPL-1  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Convex Slope (%): 2-5  
 Subregion (LRR or MLRA): LRR L Lat: 43.060680572 Long: -78.0541544315 Datum: WGS84  
 Soil Map Unit Name: Appleton silt loam, 0 to 3 percent slopes NWI classification: \_\_\_\_\_  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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



VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
	0	= Total Cover		
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				
1. <i>Dactylis glomerata</i>	85	Yes	FACU	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
	85	= Total Cover		
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
	0	= Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply By:
OBL species <span style="float: right;">0</span>	x 1 = <span style="float: right;">0</span>
FACW species <span style="float: right;">0</span>	x 2 = <span style="float: right;">0</span>
FAC species <span style="float: right;">0</span>	x 3 = <span style="float: right;">0</span>
FACU species <span style="float: right;">85</span>	x 4 = <span style="float: right;">340</span>
UPL species <span style="float: right;">0</span>	x 5 = <span style="float: right;">0</span>
Column Totals <span style="float: right;">85</span>	(A) <span style="float: right;">340</span> (B)

Prevalence Index = B/A = 4

**Hydrophytic Vegetation Indicators:**

\_\_\_\_ 1- Rapid Test for Hydrophytic Vegetation

\_\_\_\_ 2 - Dominance Test is > 50%

\_\_\_\_ 3 - Prevalence Index is ≤ 3.0<sup>1</sup>

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

\_\_\_\_ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody vines** – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes \_\_\_\_ No ✓

**Remarks: (Include photo numbers here or on a separate sheet.)**

Active agricultural field

## SOIL

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

[illegible]

Vegetation Photos



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-14  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-36; PFO-1  
 Investigator(s): Jake Brillo, Isaac Pallant Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Stream Channel Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.05395904 Long: -78.0676427577 Datum: WGS84  
 Soil Map Unit Name: Wakeville silt loam NWI classification: PFO1A

Are climatic/hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_ No ✓ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No \_\_\_\_  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes <u>✓</u> No ____	
Hydric Soil Present?	Yes <u>✓</u> No ____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No ____
Wetland Hydrology Present?	Yes <u>✓</u> No ____	If yes, optional Wetland Site ID: <u>W-JJB-36</u>
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is PFO. Wetter than average year		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:	
	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Salix nigra</i>	25	Yes	OBL	Number of Dominant Species That Are OBL, FACW, or FAC:	6 (A)
2. <i>Fraxinus pennsylvanica</i>	18	Yes	FACW	Total Number of Dominant Species Across All Strata:	6 (B)
3. <i>Crataegus crus-galli</i>	15	Yes	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>	
5. _____	_____	_____	_____	<b>Total % Cover of:</b>	<b>Multiply By:</b>
6. _____	_____	_____	_____	OBL species	35 x 1 = 35
7. _____	_____	_____	_____	FACW species	83 x 2 = 166
	58	= Total Cover		FAC species	50 x 3 = 150
<b>Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )</b>				FACU species	0 x 4 = 0
1. <i>Crataegus crus-galli</i>	15	Yes	FAC	UPL species	0 x 5 = 0
2. _____	_____	_____	_____	Column Totals	168 (A) 351 (B)
3. _____	_____	_____	_____	Prevalence Index = B/A = <u>2.1</u>	
4. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>	
5. _____	_____	_____	_____	____ 1- Rapid Test for Hydrophytic Vegetation	
6. _____	_____	_____	_____	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%	
7. _____	_____	_____	_____	<input checked="" type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>	
	15	= Total Cover		____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
<b>Herb Stratum (Plot size: <u>5 ft</u> )</b>				____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <i>Impatiens capensis</i>	65	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
2. <i>Urtica dioica</i>	20	Yes	FAC	<b>Definitions of Vegetation Strata:</b>	
3. <i>Symplocarpus foetidus</i>	10	No	OBL	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
5. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
6. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.	
7. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
12. _____	_____	_____	_____		
	95	= Total Cover			
<b>Woody Vine Stratum (Plot size: <u>30 ft</u> )</b>					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
	0	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					



## SOIL

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

[illegible]

Vegetation Photos



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-04  
 Applicant/Owner: NextEra State: NY Sampling Point: W-JJB-15; UPL-2  
 Investigator(s): Jake Brillo, Nick DeJohn Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0543047097 Long: -78.0479466264 Datum: WGS84  
 Soil Map Unit Name: Ontario loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities, Wetter than average year		

## **HYDROLOGY**

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

**VEGETATION** -- Use scientific names of plants.

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

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

Remarks: (Include photo numbers here or on a separate sheet.)

Active agricultural field



## SOIL

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

[illegible]

## Vegetation Photos



Soil Photos



Photo of Sample Plot





# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-29  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-05; UPL-2  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): Flat Slope (%): 0-1  
 Subregion (LRR or MLRA): LRR L Lat: 43.0865485 Long: -78.0820365 Datum: WGS84  
 Soil Map Unit Name: Lakemont silty clay loam 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No \_\_\_\_  
 Are Vegetation \_\_\_\_ Soil \_\_\_\_ or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <input checked="" type="checkbox"/>	
Hydric Soil Present?	Yes ____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes ____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes ____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to agricultural activities		

## **HYDROLOGY**

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

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

Northcentral and Northeast Region -- Version 2.0 Adapted by TRC

## SOIL

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

[illegible]



Vegetation Photos



Soil Photos





Photo of Sample Plot









# **WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region**

Project/Site: Excelsior City/County: Byron, Genesee County Sampling Date: 2019-May-28  
 Applicant/Owner: NextEra State: New York Sampling Point: W-JDV-03; UPL-2  
 Investigator(s): Jeff Vandever, IBP Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Agricultural Field Local relief (concave, convex, none): None Slope (%): 1-10  
 Subregion (LRR or MLRA): LRR L Lat: 43.0806987 Long: -78.0457638 Datum: WGS84  
 Soil Map Unit Name: Ontario loam, 3 to 8 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 Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_ No ✓  
 Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____ No <u>✓</u>	
Hydric Soil Present?	Yes ____ No <u>✓</u>	Is the Sampled Area within a Wetland? Yes ____ No <u>✓</u>
Wetland Hydrology Present?	Yes ____ No <u>✓</u>	If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report)          TRC coverype is UPL. Circumstances are not normal due to mowing of vegetation		

## **HYDROLOGY**

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

VEGETATION -- Use scientific names of plants.

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

Tree Stratum (Plot size: <u>30 ft</u> )				Dominance Test worksheet:			
	Absolute % Cover	Dominant Species?	Indicator Status				
1. <i>Juglans nigra</i>	15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:			0 (A)
2. <i>Hamamelis virginiana</i>	10	Yes	FACU	Total Number of Dominant Species Across All Strata:			5 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:			0 (A/B)
4. _____	_____	_____	_____				
5. _____	_____	_____	_____				
6. _____	_____	_____	_____				
7. _____	_____	_____	_____				
	25	= Total Cover					
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				Prevalence Index worksheet:			
				Total % Cover of:		Multiply By:	
1. _____	_____	_____	_____	OBL species	0	x 1 =	0
2. _____	_____	_____	_____	FACW species	0	x 2 =	0
3. _____	_____	_____	_____	FAC species	0	x 3 =	0
4. _____	_____	_____	_____	FACU species	130	x 4 =	520
5. _____	_____	_____	_____	UPL species	3	x 5 =	15
6. _____	_____	_____	_____	Column Totals	133	(A)	535 (B)
7. _____	_____	_____	_____	Prevalence Index = B/A = <u>4</u>			
	0	= Total Cover					
Herb Stratum (Plot size: <u>5 ft</u> )				Hydrophytic Vegetation Indicators:			
1. <i>Phleum pratense</i>	30	Yes	FACU	____ 1- Rapid Test for Hydrophytic Vegetation			
2. <i>Poa pratensis</i>	30	Yes	FACU	____ 2 - Dominance Test is > 50%			
3. <i>Trifolium pratense</i>	25	Yes	FACU	____ 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>			
4. <i>Taraxacum officinale</i>	10	No	FACU	____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
5. <i>Trifolium repens</i>	5	No	FACU	____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
6. <i>Plantago lanceolata</i>	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
7. <i>Agrostis canina</i>	3	No	UPL				
8. _____	_____	_____	_____	Definitions of Vegetation Strata:			
9. _____	_____	_____	_____	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10. _____	_____	_____	_____	<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
11. _____	_____	_____	_____	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
12. _____	_____	_____	_____	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
	108	= Total Cover		Hydrophytic Vegetation Present? Yes ____ No <u>✓</u>			
Woody Vine Stratum (Plot size: <u>30 ft</u> )							
1. _____	_____	_____	_____				
2. _____	_____	_____	_____				
3. _____	_____	_____	_____				
4. _____	_____	_____	_____				
	0	= Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)							

## SOIL

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

[illegible]



Photo of Sample Plot



