





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Cato, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-14; PFO-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR or MLRA): LRR L Lat: 43.150627051 Long: -76.6232360279 Datum: WGS84
 Soil Map Unit Name: Ontario fine sandy loam, 8 to 15 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 ____	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-NSD-14
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverytype is PFO. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input checked="" type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)					
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)						
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)						
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)						
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
Field Observations: 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 <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-NSD-14; PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Acer rubrum</i>	60	Yes	FAC
2.	<i>Fraxinus pennsylvanica</i>	25	Yes	FACW
3.	<i>Populus deltoides</i>	10	No	FAC
4.				
5.				
6.				
7.				
		95	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Rhamnus cathartica</i>	5	Yes	FAC
2.				
3.				
4.				
5.				
6.				
7.				
		5	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Onoclea sensibilis</i>	40	Yes	FACW
2.	<i>Fraxinus pennsylvanica</i>	15	Yes	FACW
3.	<i>Acer rubrum</i>	12	No	FAC
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		67	= 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: 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 <u>0</u>	x 1 = <u>0</u>
FACW species <u>80</u>	x 2 = <u>160</u>
FAC species <u>87</u>	x 3 = <u>261</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>167</u>	(A) <u>421</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 ≤ 3.0¹

 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

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

SOIL

Sampling Point: W-NSD-14; PFO-1

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Cato, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-14; UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow 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: 43.151607709 Long: -76.6233085749 Datum: WGS84
 Soil Map Unit Name: Ontario loam, 8 to 15 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 coertype is UPL. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> FAC-Neutral Test (D5)					
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)						
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)						
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)						
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
Field Observations: 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:							

Sampling Point: W-NSD-14; 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>Zea mays</i>		30	Yes	UPL
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.)

SOIL

Sampling Point: W-NSD-14; UPL-1

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Cato, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-15; PEM-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1-10
 Subregion (LRR or MLRA): LRR L Lat: 43.1468055655 Long: -76.6267856794 Datum: WGS84
 Soil Map Unit Name: Hilton 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 ____	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-NSD-15
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coertype is PEM. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)	
<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 checked="" 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)			
Field Observations:					
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):	5		
(includes capillary fringe)				Wetland Hydrology Present? Yes <u>✓</u> No ____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

Sampling Point: W-NSD-15; 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>		80	Yes	OBL
2.	<i>Lythrum salicaria</i>		10	No	OBL
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			90	= 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: 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 90	x 1 = 90
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 90	(A) 90 (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 ¹

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 ☐

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

SOIL

Sampling Point: W-NSD-15; PEM-1

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Cato, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-15; UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow 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: 43.1415974955 Long: -76.6295604688 Datum: WGS84
 Soil Map Unit Name: Hilton 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)			
<p>TRC coertype is UPL. Drought</p>			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> FAC-Neutral Test (D5)					
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)						
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)						
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)						
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
Field Observations: 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:							

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-15; 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.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Herb Stratum (Plot size: <u>5 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Glycine max</i>	50	Yes	NI
2.				
3.				
4.				
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: 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	0 x 5 = 0
Column Totals	0 (A) 0 (B)

Prevalence Index = B/A = _____

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

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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-NSD-15; UPL-1

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Port Byron, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-16; PFO-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR or MLRA): LRR L Lat: 43.1345698983 Long: -76.6328289081 Datum: WGS84
 Soil Map Unit Name: Palmyra Howard, and Alton soils, 25 to 40 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 ____	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-NSD-16
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coertype is PFO. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)	
<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 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 checked="" 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)			
Field Observations:					
Surface Water Present?	Yes ____ No <u>✓</u>	Depth (inches):			
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	Wetland Hydrology Present? Yes <u>✓</u> No ____		
Saturation Present?	Yes <u>✓</u> No ____	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-NSD-16; PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Acer rubrum</i>	40	Yes	FAC
2.	<i>Fraxinus pennsylvanica</i>	33	Yes	FACW
3.	<i>Betula alleghaniensis</i>	10	No	FAC
4.				
5.				
6.				
7.				
		83	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= 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: 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>0</u>	x 1 = <u>0</u>
FACW species <u>33</u>	x 2 = <u>66</u>
FAC species <u>50</u>	x 3 = <u>150</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>83</u>	(A) <u>216</u> (B)
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

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

SOIL

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

[illegible]

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot







WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Port Byron, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-16; UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 10-20
 Subregion (LRR or MLRA): LRR L Lat: 43.1344971853 Long: -76.6335349996 Datum: WGS84
 Soil Map Unit Name: Palmyra Howard, and Alton soils, 25 to 40 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 coverytype is UPL. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> FAC-Neutral Test (D5)					
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)						
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)						
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)						
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
Field Observations: 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:							

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-16; 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>Prunus serotina</i>	25	Yes	FACU
3.				
4.				
5.				
6.				
7.				
		85	= Total Cover	
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	
Herb Stratum (Plot size: <u>5 ft</u>)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Arisaema triphyllum</i>	5	Yes	FAC
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		5	= 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>5</u>	x 3 = <u>15</u>
FACU species <u>85</u>	x 4 = <u>340</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals <u>90</u>	(A) <u>355</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 ≤ 3.0¹

 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 ✓

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

SOIL

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

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Port Byron, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-17; PFO-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR or MLRA): LRR L Lat: 43.1348887459 Long: -76.6335536913 Datum: WGS84
 Soil Map Unit Name: Palmyra Howard, and Alton soils, 25 to 40 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 ____	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-NSD-17
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coertype is PFO. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)	
<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 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 checked="" 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)			
Field Observations:					
Surface Water Present?	Yes ____ No <u>✓</u>	Depth (inches):			
Water Table Present?	Yes <u>✓</u> No ____	Depth (inches):	Wetland Hydrology Present? Yes <u>✓</u> No ____		
Saturation Present?	Yes <u>✓</u> No ____	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-NSD-17; PFO-1

Tree Stratum (Plot size: <u>30 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Fraxinus pennsylvanica</i>		50	Yes	FACW
2.	<i>Acer rubrum</i>		20	Yes	FAC
3.	<i>Ulmus americana</i>		15	No	FACW
4.					
5.					
6.					
7.					
			85	= Total Cover	

Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			0	= 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: 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	0	x 1 = 0
FACW species	65	x 2 = 130
FAC species	20	x 3 = 60
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals	85	(A) 190 (B)
Prevalence Index = B/A =		<u>2.2</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 ☐

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

SOIL

Sampling Point: W-NSD-17; PFO-1

[illegible]

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot







WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Port Byron, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-17; UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range:
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 10-20
 Subregion (LRR or MLRA): LRR L Lat: 43.1348235347 Long: -76.6335933377 Datum: WGS84
 Soil Map Unit Name: Palmyra Howard, and Alton soils, 25 to 40 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"/>	Is the Sampled Area within a Wetland? Yes ___ No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes ___ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____
Wetland Hydrology Present? Yes ___ No <input checked="" type="checkbox"/>	
Remarks: (Explain alternative procedures here or in a separate report)	
TRC coverytype is UPL. Drought	

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply) ___ Surface Water (A1) ___ Water-Stained Leaves (B9) ___ High Water Table (A2) ___ Aquatic Fauna (B13) ___ Saturation (A3) ___ Marl Deposits (B15) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks) ___ Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) ___ Surface Soil Cracks (B6) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) ___ FAC-Neutral Test (D5)
Field Observations: 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)	Wetland Hydrology Present? 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-NSD-17; UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																	
1. <i>Acer saccharum</i>	80	Yes	FACU	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>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)																																																
2. <i>Prunus serotina</i>	25	Yes	FACU																																																	
3. _____	_____	_____	_____																																																	
4. _____	_____	_____	_____																																																	
5. _____	_____	_____	_____																																																	
6. _____	_____	_____	_____																																																	
7. _____	_____	_____	_____																																																	
	105	= Total Cover		Prevalence Index worksheet: <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> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td>0</td> <td>x 1 =</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>FACW species</td> <td>0</td> <td>x 2 =</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>FAC species</td> <td>0</td> <td>x 3 =</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>FACU species</td> <td>120</td> <td>x 4 =</td> <td>480</td> <td></td> <td></td> </tr> <tr> <td>UPL species</td> <td>0</td> <td>x 5 =</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Column Totals</td> <td>120</td> <td>(A)</td> <td>480</td> <td>(B)</td> <td></td> </tr> <tr> <td colspan="3">Prevalence Index = B/A =</td> <td><u>4</u></td> <td colspan="2"></td> </tr> </tbody> </table>	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	120	x 4 =	480			UPL species	0	x 5 =	0			Column Totals	120	(A)	480	(B)		Prevalence Index = B/A =			<u>4</u>		
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	120	x 4 =	480																																																	
UPL species	0	x 5 =	0																																																	
Column Totals	120	(A)	480	(B)																																																
Prevalence Index = B/A =			<u>4</u>																																																	
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>Polystichum acrostichoides</i>	10	Yes	FACU	Hydrophytic Vegetation Indicators: ____ 1- Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is > 50% ____ 3 - Prevalence Index is ≤ 3.0 ¹ ____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic																																																
2. <i>Acer saccharum</i>	5	Yes	FACU																																																	
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																																																		
Remarks: (Include photo numbers here or on a separate sheet.)																																																				

SOIL

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

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Port Byron, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-18; PEM-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR or MLRA): LRR L Lat: 43.1348438608 Long: -76.633569114 Datum: WGS84
 Soil Map Unit Name: Lamson mucky 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 ____	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-NSD-18
Wetland Hydrology Present?	Yes <u>✓</u> No ____		
Remarks: (Explain alternative procedures here or in a separate report)			
TRC coverytype is PEM. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)	
<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 checked="" 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)			
Field Observations:					
Surface Water Present?	Yes ____ No <u>✓</u>	Depth (inches):	Wetland Hydrology Present? Yes <u>✓</u> No ____		
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:					

Sampling Point: W-NSD-18; PEM-1

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.				2			(A)
2.				Total Number of Dominant Species Across All Strata:			
3.				2			(B)
4.				Percent of Dominant Species That Are OBL, FACW, or FAC:			
5.				100			(A/B)
6.				Prevalence Index worksheet:			
7.				Total % Cover of:		Multiply By:	
	0	= Total Cover		OBL species	28	x 1 =	28
Sapling/Shrub Stratum (Plot size: 15 ft)				FACW species	15	x 2 =	30
1.				FAC species	52	x 3 =	156
2.				FACU species	10	x 4 =	40
3.				UPL species	0	x 5 =	0
4.				Column Totals	105	(A)	254 (B)
5.				Prevalence Index = B/A = 2.4			
6.				Hydrophytic Vegetation Indicators:			
7.				1 - Rapid Test for Hydrophytic Vegetation			
	0	= Total Cover		✓ 2 - Dominance Test is >50%			
Herb Stratum (Plot size: 5 ft)				✓ 3 - Prevalence Index is ≤ 3.0 ¹			
1. <i>Apocynum cannabinum</i>	40	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
2. <i>Carex lupulina</i>	20	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
3. <i>Eupatorium perfoliatum</i>	15	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic			
4. <i>Equisetum arvense</i>	12	No	FAC	Definitions of Vegetation Strata:			
5. <i>Cirsium arvense</i>	10	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
6. <i>Lythrum salicaria</i>	8	No	OBL	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
7.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
8.				Woody vines – All woody vines greater than 3.28 ft in height.			
9.				Hydrophytic Vegetation Present? Yes ✓ No			
10.							
11.							
12.							
	105	= 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.)

SOIL

Sampling Point: W-NSD-18; PEM-1

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Garnet City/County: Port Byron, Cayuga Sampling Date: 2020-June-23
 Applicant/Owner: NextEra State: NY Sampling Point: W-NSD-18; UPL-1
 Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 2-5
 Subregion (LRR or MLRA): LRR L Lat: 43.1353521394 Long: -76.6309969594 Datum: WGS84
 Soil Map Unit Name: Lamson mucky 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 coverytype is UPL. Drought			

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)		<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Moss Trim Lines (B16)		<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Crayfish Burrows (C8)		<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Stunted or Stressed Plants (D1)		<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Shallow Aquitard (D3)		<input type="checkbox"/> Microtopographic Relief (D4)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> FAC-Neutral Test (D5)					
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)						
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)						
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)						
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
Field Observations: 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:							

VEGETATION -- Use scientific names of plants.

Sampling Point: W-NSD-18; UPL-1

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																									
1. _____	_____	_____	_____	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)																																								
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
	<u>0</u>	= Total Cover		Prevalence Index worksheet: <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 style="text-align: center;"><u>0</u></td><td>x 1 =</td><td style="text-align: center;"><u>0</u></td><td></td></tr> <tr><td>FACW species</td><td style="text-align: center;"><u>0</u></td><td>x 2 =</td><td style="text-align: center;"><u>0</u></td><td></td></tr> <tr><td>FAC species</td><td style="text-align: center;"><u>0</u></td><td>x 3 =</td><td style="text-align: center;"><u>0</u></td><td></td></tr> <tr><td>FACU species</td><td style="text-align: center;"><u>0</u></td><td>x 4 =</td><td style="text-align: center;"><u>0</u></td><td></td></tr> <tr><td>UPL species</td><td style="text-align: center;"><u>0</u></td><td>x 5 =</td><td style="text-align: center;"><u>0</u></td><td></td></tr> <tr><td>Column Totals</td><td style="text-align: center;"><u>0</u></td><td>(A)</td><td style="text-align: center;"><u>0</u></td><td>(B)</td></tr> <tr><td colspan="5">Prevalence Index = B/A = _____</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>0</u>	x 5 =	<u>0</u>		Column Totals	<u>0</u>	(A)	<u>0</u>	(B)	Prevalence Index = B/A = _____				
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>0</u>	x 5 =	<u>0</u>																																									
Column Totals	<u>0</u>	(A)	<u>0</u>	(B)																																								
Prevalence Index = B/A = _____																																												
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>Glycine max</i>	30	Yes	NI																																									
2. _____	_____	_____	_____																																									
3. _____	_____	_____	_____																																									
4. _____	_____	_____	_____																																									
5. _____	_____	_____	_____																																									
6. _____	_____	_____	_____																																									
7. _____	_____	_____	_____																																									
8. _____	_____	_____	_____																																									
9. _____	_____	_____	_____																																									
10. _____	_____	_____	_____																																									
11. _____	_____	_____	_____																																									
12. _____	_____	_____	_____																																									
	<u>30</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-NSD-18; UPL-1

[illegible]

Vegetation Photos



Soil Photos



Photo of Sample Plot





Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/15/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38 Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S1</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>W/NW</u> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>2-6</u> ft. Water Width <u>2-4</u> ft. Bank to Bank <u>2-6</u> ft. Bankfull Width: <u>6</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input checked="" type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input checked="" type="checkbox"/> Fish <u>Blacknose Dace</u> <input type="checkbox"/> Turtles _____ <input checked="" type="checkbox"/> Frogs <u>Bullfrogs, green frogs</u> <input type="checkbox"/> Invertebrates <u>Water Gliders</u> <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Emergent Marsh, Forested wetlands, field crops, row crops

Dominant Vegetative Species: _____

Trees: Green ash, red maple, black locust, black cherry, eastern cottonwood

Shrubs: Japanese honeysuckle, common buckthorn, multiflora rose, northern spicebush, nannyberry

Herbaceous: Sensitive fern, skunk cabbage, soft rush, spotted jewelweed

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S1 is a Class C perennial stream that flow west/southwest through Wetlands BF-W1, BF-W7 and BF-W10.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/16/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38 Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S2</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>South</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>4</u> ft. Water Width <u>2</u> ft. Bank to Bank <u>4</u> ft. Bankfull Width: <u>4</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. Continued

Adjacent Community Type: Emergent Marsh, Forested wetlands, field crops, row crops

Dominant Vegetative Species:

Trees: Green ash, red maple, black cherry, sugar maple

Shrubs: Green ash, multiflora rose, northern spicebush, nannyberry

Herbaceous: Sensitive fern, skunk cabbage, stinging nettle, spotted jewelweed

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No

☐ Yes (identify)

Regulatory Status

☐ State Protected

☒ Corps Jurisdictional

Notes:

Stream BF-S2 is short length intermittent stream that originates from a drainage tile outlet and flows south through Wetland BF-W1 and connects to Stream BF-S3.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/16/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38 Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S3</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>West</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>3</u> ft. Water Width <u>2</u> ft. Bank to Bank <u>3</u> ft. Bankfull Width: <u>3</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. Continued

Adjacent Community Type: Emergent Marsh, Forested wetlands, field crops, row crops

Dominant Vegetative Species:

Trees: Green ash, red maple, black cherry, sugar maple

Shrubs: Green ash, multiflora rose, northern spicebush, nannyberry

Herbaceous: Sensitive fern, skunk cabbage, stinging nettle, spotted jewelweed

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No

☐ Yes (identify)

Regulatory Status

☐ State Protected

☒ Corps Jurisdictional

Notes:

Stream BF-S3 is short length intermittent stream approximately 1" deep that originates within Wetland BF-W1, connects to Stream BF-S2 and dissipates shortly thereafter.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/16/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38 Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S4</u> Perceptible Flow: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Direction of Flow: <u>Southwest</u> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input checked="" type="checkbox"/>		Stream Width: <u>4</u> ft. Water Width <u>0</u> ft. Bank to Bank <u>4</u> ft. Bankfull Width: <u>5</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input type="checkbox"/> Gentle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Deciduous upland forest, row crops

Dominant Vegetative Species: _____

Trees: Green ash, sugar maple, black cherry

Shrubs: Green ash, witch hazel

Herbaceous: Garlic mustard

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☒ 51-75% ☐ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S4 is short length man-made ephemeral stream that originates from a relic gravel pit, crosses a farm access route and abruptly end between two converging slopes.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/17/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38 Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S5</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>West</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>2</u> ft. Water Width <u>2</u> ft. Bank to Bank <u>2</u> ft. Bankfull Width: <u>2</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, shallow emergent march, forested wetland

Dominant Vegetative Species: _____

Trees: Green ash

Shrubs: Multiflora rose

Herbaceous: Cattails, reed canary grass, garlic mustard

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☒ 51-75% ☐ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S5 is short length intermittent stream that originates from drainage tile and flows through Wetland BF-W8.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/17/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Lake Road, Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S6</u> Perceptible Flow: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Direction of Flow: <u>North</u> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input checked="" type="checkbox"/>		Stream Width: <u>3</u> ft. Water Width <u>0</u> ft. Bank to Bank <u>3</u> ft. Bankfull Width: <u>3</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, shallow emergent marsh, apple orchard

Dominant Vegetative Species: _____

Trees: Black locust, black cherry

Shrubs: Multiflora rose, honeysuckle

Herbaceous: Garlic mustard, soybean, Canada goldenrod

Estimated % of canopy closure over stream channel:

☐ 0-25% ☒ 26-50% ☒ 51-75% ☐ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S6 is short length man-made ephemeral stream that originates from a culvert under Lake Road and flows north into Wetland BF-W10.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/17/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38, Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S7</u> Perceptible Flow: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Direction of Flow: <u>South</u> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input checked="" type="checkbox"/>		Stream Width: <u>4</u> ft. Water Width <u>0</u> ft. Bank to Bank <u>4</u> ft. Bankfull Width: <u>4</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input checked="" type="checkbox"/> Organic	Observed Water Quality <input type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input checked="" type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input checked="" type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input type="checkbox"/> Gentle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, shallow emergent marsh, apple orchard

Dominant Vegetative Species: _____

Trees: Eastern cottonwood, red maple, green ash, American elm

Shrubs: Sumac, buckthorn

Herbaceous: Garlic mustard, Virginia creeper, cattails

Estimated % of canopy closure over stream channel:

☐ 0-25% ☒ 26-50% ☐ 51-75% ☐ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S7 is long and very straight man-made ephemeral stream that originates in Wetland BF-W-11, flow south through Wetland BF-W-15 and end at Stream BF-S-1.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/18/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Route 38, Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S8</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>Northwest</u> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>6</u> ft. Water Width <u>5</u> ft. Bank to Bank <u>6</u> ft. Bankfull Width: <u>6</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input checked="" type="checkbox"/> Cobble Riffles <input checked="" type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input checked="" type="checkbox"/> Invertebrates <u>Water gliders</u> <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input checked="" type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input checked="" type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input checked="" type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> High	Gradient <input type="checkbox"/> Gentle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, forested wetland, upland forest

Dominant Vegetative Species: _____

Trees: Sugar maple, American elm, red maple, white pine, bitternut hickory

Shrubs: Common buckthorn, multiflora rose, honeysuckle

Herbaceous: Spotted jewelweed, burdock, Canada goldenrod, summer grape

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S8 is a perennial stream that originates from a large culvert under Route 38, flows northwest through Wetland BF-W-12 and extends offsite.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/18/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Cooper Street, Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S9</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>Northeast</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>4</u> ft. Water Width <u>2.5</u> ft. Bank to Bank <u>4</u> ft. Bankfull Width: <u>4</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input checked="" type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input checked="" type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input checked="" type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Forested wetland, upland forest

Dominant Vegetative Species: _____

Trees: Tuliptree, sugar maple, black cherry, green ash, hemlock, yellow birch

Shrubs: Witch hazel, serviceberry

Herbaceous: Spotted jewelweed, skunk cabbage

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected ☒ Corps Jurisdictional

Notes:

Stream BF-S9 is an intermittent stream that originates within Wetland BF-W-17 and eventually intersects with Stream BF-S10

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/18/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Cooper Street, Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S10</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>Southeast</u> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>5</u> ft. Water Width <u>2.5</u> ft. Bank to Bank <u>5</u> ft. Bankfull Width: <u>5</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input checked="" type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input checked="" type="checkbox"/> Cobble Riffles <input checked="" type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input checked="" type="checkbox"/> Fish <u>Blacknose Dace</u> <input checked="" type="checkbox"/> Turtles <u>Snapping Turtle</u> <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input checked="" type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> High	Gradient <input type="checkbox"/> Gentle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Forested wetland, upland forest

Dominant Vegetative Species: _____

Trees: Red maple, green ash, American hornbeam

Shrubs: American hornbeam, northern spicebush

Herbaceous: Spotted jewelweed, skunk cabbage, interrupted fern

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Stream BF-S10 is a perennial stream that originates at the northern boundary of the Project Site and flows southeast and becomes stream NSD-S9 to the east of Cooper Street.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>BF/RS</u> Date: <u>6/18/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Cooper Street, Conquest, NY</u>	
Stream Information			
Stream Name: <u>BF-S11</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>Southeast</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>3</u> ft. Water Width <u>1.5</u> ft. Bank to Bank <u>3</u> ft. Bankfull Width: <u>3</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates _____ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. Continued

Adjacent Community Type: Forested wetland, upland forest, shallow emergent marsh

Dominant Vegetative Species: _____

Trees: Red maple, green ash, American elm

Shrubs: Northern spicebush

Herbaceous: Skunk cabbage, spotted jewelweed, cattails, purple loosestrife

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____

Regulatory Status

☐ State Protected

☒ Corps Jurisdictional

Notes:

Stream BF-S11 is an intermittent stream that originates in the northern portion of Wetland BF-W-18 and flows south off of the Project Site.

Sketch:

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>JJB</u> Date: <u>6/18/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Slayton Rd, Conquest, NY</u>	
Stream Information			
Stream Name: <u>JJB-S1</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>Southeast</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>5</u> ft. Water Width <u>3</u> ft. Bank to Bank <u>6</u> ft. Bankfull Width: <u>6</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates __ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input checked="" type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input type="checkbox"/> 0-20% (0-11°) <input checked="" type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input checked="" type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input checked="" type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> High	Gradient <input type="checkbox"/> Gentle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, forested wetland, upland forest

Dominant Vegetative Species: _____

Trees: Sugar maple, red maple,

Shrubs: Common buckthorn, multiflora rose, honeysuckle

Herbaceous: Spotted jewelweed, burdock, Canada goldenrod, summer grape

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Extends offsite.

Sketch:.

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>JJB</u> Date: <u>6/18/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Slayton Rd, Conquest, NY</u>	
Stream Information			
Stream Name: <u>JJB-S2</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>North</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>4</u> ft. Water Width <u>2</u> ft. Bank to Bank <u>5</u> ft. Bankfull Width: <u>6</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates __ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input checked="" type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input checked="" type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input type="checkbox"/> Gentle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, upland forest

Dominant Vegetative Species: _____

Trees: Sugar maple, red maple,

Shrubs: Common buckthorn, multiflora rose, honeysuckle

Herbaceous: Spotted jewelweed, burdock, Canada goldenrod, summer grape

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Extends offsite.

Sketch:.

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>JJB</u> Date: <u>11/15/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Emerson Rd, Conquest, NY</u>	
Stream Information			
Stream Name: <u>JJB-S3</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>SouthEast</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>5</u> ft. Water Width <u>2</u> ft. Bank to Bank <u>5</u> ft. Bankfull Width: <u>6</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates __ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input checked="" type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input checked="" type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. ContinuedAdjacent Community Type: Field crops, forested wetland, upland forest

Dominant Vegetative Species: _____

Trees: Sugar maple, red maple, eastern hemlock

Shrubs: Common buckthorn, multiflora rose

Herbaceous: Spotted jewelweed, burdock, Canada goldenrod, summer grape

Estimated % of canopy closure over stream channel:

☐ 0-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Presence of threatened/endangered species (fish, reptiles, or amphibians)?

☐ Unknown ☒ No ☐ Yes (identify) _____**Regulatory Status**☐ State Protected☒ Corps Jurisdictional

Notes:

Extends offsite.

Sketch:.

Stream Inventory Data Form

Project Name: <u>Garnet Energy Center</u> Project Number: _____ Map Sheet No.: _____ GPS Point No(s): _____ Associated Data Sheet No(s): _____		Observer Name: <u>JJB</u> Date: <u>11/15/2020</u> State/County: <u>NY/Cayuga</u> Weather: <u>Clear</u> Stream Location (address, nearest road, structure etc.) <u>Emerson Rd, Conquest, NY</u>	
Stream Information			
Stream Name: <u>JJB-S4</u> Perceptible Flow: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Direction of Flow: <u>South</u> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/>		Stream Width: <u>4</u> ft. Water Width <u>1</u> ft. Bank to Bank <u>4</u> ft. Bankfull Width: <u>5</u> ft.	
Probed Stream Depth <input checked="" type="checkbox"/> 0-6" <input type="checkbox"/> 7-12" <input type="checkbox"/> 13-24" <input type="checkbox"/> 25-36" <input type="checkbox"/> >36"	Channel Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Bedrock <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Organic	Observed Water Quality <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Turbid <input type="checkbox"/> Very Turbid	
Aquatic Habitat <input type="checkbox"/> Sand Bar <input type="checkbox"/> Sand/Gravel Beach Bar <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging <input checked="" type="checkbox"/> Trees/Shrubs <input type="checkbox"/> Cobble Riffles <input type="checkbox"/> Deep Ponds/Holes <input checked="" type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Other _____	Wildlife Observed (Species) <input type="checkbox"/> Waterfowl _____ <input checked="" type="checkbox"/> Fish _____ <input type="checkbox"/> Turtles _____ <input type="checkbox"/> Frogs _____ <input type="checkbox"/> Invertebrates __ <input type="checkbox"/> Salamanders _____ <input type="checkbox"/> Other: _____		Observed Use <input type="checkbox"/> Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Boating <input type="checkbox"/> Other: _____
Left Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input checked="" type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)		Right Bank* Height and Slope <input checked="" type="checkbox"/> 0-3' <input checked="" type="checkbox"/> 0-20% (0-11°) <input type="checkbox"/> 3-6' <input type="checkbox"/> 21-50% (12-27°) <input type="checkbox"/> 6-+ <input type="checkbox"/> 51-100% (28-45°)	
* Direction when facing downstream			
Bank Substrate <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Organic	Erosion Potential <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	Meander <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	Gradient <input checked="" type="checkbox"/> Gentle <input type="checkbox"/> Moderate <input type="checkbox"/> Steep

Stream Info. Continued
Adjacent Community Type: <u>Field crops, forested wetland, upland forest</u>
Dominant Vegetative Species: _____
Trees: Sugar maple, red maple, elm
Shrubs: Common buckthorn, multiflora rose
Herbaceous: Spotted jewelweed, burdock, Canada goldenrod, summer grape
Estimated % of canopy closure over stream channel: <input type="checkbox"/> 0-25% <input type="checkbox"/> 26-50% <input checked="" type="checkbox"/> 51-75% <input checked="" type="checkbox"/> 76-100%
Presence of threatened/endangered species (fish, reptiles, or amphibians)? <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (identify) _____
Regulatory Status <input type="checkbox"/> State Protected <input checked="" type="checkbox"/> Corps Jurisdictional
Notes: Extends offsite.
Sketch:.



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/17/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Montana Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>WEEDSPORT</u>			
Stream Delineation ID <u>S-NSD-1</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>East of Montana Road</u>			
Presumed Regulatory Authority _____			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>E</u> Average Depth <u>1</u>	Width (ft.) across Existing Water <u>1.5</u> Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>3</u> Width (ft.) across Ordinary High Water Mark* <u>2</u> <u>*Ordinary High Water Mark Indicators</u> <input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input type="checkbox"/> <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Water Quality</u> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid Comments _____	
<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____		<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping <u>.X</u> <u>X</u> 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping _____ 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____	
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<u>Bank Height (ft.)</u> Left* <u>.5</u> Right* <u>.5</u> * Direction when facing downstream	<u>Bank Erosion Potential</u> Left* Right* Low <u>X</u> <u>X</u> Moderate _____ High _____
<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<u>Estimated Canopy Closure</u> <input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input checked="" type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/17/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Montana Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>WEEDSPORT</u>			
Stream Delineation ID <u>S-NSD-2</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>East of Montana Road</u>			
Presumed Regulatory Authority _____			
<input type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Low <input type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>N</u> Average Depth <u>0</u>	Width (ft.) across Existing Water <u>0</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>3.5</u> Width (ft.) across Ordinary High Water Mark* <u>2</u> <u>*Ordinary High Water Mark Indicators</u> <input type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input checked="" type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input type="checkbox"/> <2% (<1°) Gentle <input checked="" type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping _____ 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping _____ 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		Left* _____ Right* _____ _____ X _____ X _____ _____ _____ _____ _____ _____	<u>Bank Height (ft.)</u> Left* <u>3</u> Right* <u>1</u> * Direction when facing downstream
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____		<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	<u>Estimated Canopy Closure</u> <input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input checked="" type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/18/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Montana Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>WEEDSPORT</u>			
Stream Delineation ID <u>S-NSD-3</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>West of Montana Road</u>			
Presumed Regulatory Authority _____			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>S</u> Average Depth <u>2</u>	Width (ft.) across Existing Water <u>2</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>5</u> Width (ft.) across Ordinary High Water Mark* <u>3</u> <u>*Ordinary High Water Mark Indicators</u> <input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input checked="" type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping 8 - 15% (5 - 9°) Moderately Sloping <u>X</u> 15 - 25% (9 - 14°) Steeply Sloping 25 - 35% (14 - 20°) Steep >35% (>20°) Very Steep		Left* _____ Right* _____ Left* <u>2.5</u> Right* <u>2</u> * Direction when facing downstream	<u>Bank Erosion Potential</u> Left* _____ Right* _____ Low _____ Moderate <u>X</u> <u>X</u> High _____
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input checked="" type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Stream Delineation ID

Adjacent Community Type <u>Forest/Agriculture</u>	
<u>Percent Cover</u>	<u>Dominant Species</u>
Trees <u>10</u>	<u>Green ash</u>
Shrubs _____	_____
Herbaceous <u>40</u>	<u>sensitive fern, corn</u>
Woody Vines _____	_____
Bare Soil/Rock _____	<u>Type</u> _____
Impervious _____	<u>Type</u> _____

<u>Observed Fauna</u>				
<input type="checkbox"/> Waterfowl	<input type="checkbox"/> Fish	<input type="checkbox"/> Salamanders	<input type="checkbox"/> Mink	<input type="checkbox"/> Other _____
<input type="checkbox"/> Snakes	<input type="checkbox"/> Frogs	<input type="checkbox"/> Beaver	<input type="checkbox"/> Otter	_____
<input type="checkbox"/> Turtles	<input type="checkbox"/> Toads	<input type="checkbox"/> Muskrat	<input type="checkbox"/> Invertebrates	_____

<u>Presence of Rare, Threatened, or Endangered Species</u>	
<input type="checkbox"/> No	<input type="checkbox"/> Yes <u>Species & Evidence</u> _____
<input checked="" type="checkbox"/> Undetermined _____	

<u>Notes (include weather, site access issues, culverts, etc.)</u>	
<u>Sunny and 90 degrees</u>	

Sketch (Optional)	



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/18/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Slayton Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>CATO</u>			
Stream Delineation ID <u>S-NSD-4</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>South of Slayton Road</u>			
<u>Presumed Regulatory Authority</u>			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	Width (ft.) across Existing Water <u>3.5</u>	
<input type="checkbox"/> Perennial	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate	Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____	
<input checked="" type="checkbox"/> Intermittent	Stage <input type="checkbox"/> High <input type="checkbox"/> Flood	Present? <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>15</u>	
<input type="checkbox"/> Ephemeral	Flow Direction <u>S</u>	Width (ft.) across Ordinary High Water Mark* <u>5</u>	
<input type="checkbox"/> Undetermined	Average Depth <u>4</u>	<u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand	<input checked="" type="checkbox"/> <2% (<1°) Gentle	<input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining	
<input type="checkbox"/> Bedrock <input type="checkbox"/> Organic	<input type="checkbox"/> 2 - 4% (1 - 2°) Moderate	<input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving	
<input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel	<input type="checkbox"/> 4 - 10% (2 - 6°) Steep	<input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks	
<input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay	<input type="checkbox"/> >10% (>6°) Very Steep	<input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris	
<input type="checkbox"/> Other _____		<input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting	
<u>Observed Use</u>		<input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation		<u>Water Quality</u>	
<input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture		<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid	
<input type="checkbox"/> Other _____		Comments _____	
<u>Bank Slope</u>	Left* Right*	<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>
0 - 8% (0 - 5°) Nearly Level - Gently Sloping		Left* <u>3.5</u>	Left* Right*
8 - 15% (5 - 9°) Moderately Sloping	X X	Right* <u>8</u>	Low _____
15 - 25% (9 - 14°) Steeply Sloping		<i>* Direction when facing downstream</i>	Moderate X _____
25 - 35% (14 - 20°) Steep			High _____ X
>35% (>20°) Very Steep			
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar		<input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60%
<input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic	<input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar		<input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70%
<input type="checkbox"/> Other _____	<input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool		<input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80%
Comments _____	<input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools		<input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90%
	<input type="checkbox"/> Other _____		<input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/18/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Spool Woods Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>WEEDSPORT</u>			
Stream Delineation ID <u>S-NSD-5</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>West of Spook Woods Road</u>			
Presumed Regulatory Authority _____			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>S</u> Average Depth <u>2</u>	Width (ft.) across Existing Water <u>4</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>10</u> Width (ft.) across Ordinary High Water Mark* <u>5</u> <u>*Ordinary High Water Mark Indicators</u> <input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input checked="" type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input type="checkbox"/> Silt <input type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input checked="" type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping _____ 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping <u>X</u> 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		Left* _____ Right* _____ _____ _____ _____ _____	<u>Bank Height (ft.)</u> Left* <u>4</u> Right* <u>4</u> _____ _____ _____ _____ _____ _____
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____ _____		<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/18/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Spool Woods Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>MONTEZUMA</u>			
Stream Delineation ID <u>S-NSD-6</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>West of Spook Woods Road</u>			
Presumed Regulatory Authority _____			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>S</u> Average Depth <u>4</u>	Width (ft.) across Existing Water <u>3</u> <u>Flood Plain Present?</u> <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u> Width (ft.) across Ordinary High Water Mark* <u>3.5</u> <u>*Ordinary High Water Mark Indicators</u> <input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input checked="" type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping _____ 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping <u>X</u> 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		<u>Bank Height (ft.)</u> Left* <u>2</u> Right* <u>3</u> * Direction when facing downstream	<u>Bank Erosion Potential</u> Left* _____ Right* _____ Low _____ Moderate <u>X</u> High _____
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input checked="" type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Stream Delineation ID

Adjacent Community Type <u>Agriculture</u>	
<u>Percent Cover</u>	<u>Dominant Species</u>
Trees _____	_____
Shrubs _____	_____
Herbaceous <u>60</u>	<u>goldenrod, horsetail, phragmites, sumac</u>
Woody Vines _____	_____
Bare Soil/Rock _____	<u>Type</u> _____
Impervious _____	<u>Type</u> _____

<u>Observed Fauna</u>				
<input type="checkbox"/> Waterfowl	<input type="checkbox"/> Fish	<input type="checkbox"/> Salamanders	<input type="checkbox"/> Mink	<input type="checkbox"/> Other _____
<input type="checkbox"/> Snakes	<input type="checkbox"/> Frogs	<input type="checkbox"/> Beaver	<input type="checkbox"/> Otter	_____
<input type="checkbox"/> Turtles	<input type="checkbox"/> Toads	<input type="checkbox"/> Muskrat	<input type="checkbox"/> Invertebrates	_____

<u>Presence of Rare, Threatened, or Endangered Species</u>	
<input type="checkbox"/> No	<input type="checkbox"/> Yes <u>Species & Evidence</u> _____
<input checked="" type="checkbox"/> Undetermined _____	

<u>Notes (include weather, site access issues, culverts, etc.)</u>
Sunny and 90 degrees. Stream originates from drain tiles.

Sketch (Optional)



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/22/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Slayton Road Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>VICTORY</u>			
Stream Delineation ID <u>S-NSD-7</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>North of Slayton Road</u>			
<u>Presumed Regulatory Authority</u>			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>N</u> Average Depth <u>4</u>	Width (ft.) across Existing Water <u>3</u> Flood Plain Present? <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>12</u> Width (ft.) across Ordinary High Water Mark* <u>4</u> <u>*Ordinary High Water Mark Indicators</u> <input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input checked="" type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping _____ 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping <u>X</u> <u>X</u> 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		<u>Bank Height (ft.)</u> Left* <u>3</u> Right* <u>4</u> * Direction when facing downstream	<u>Bank Erosion Potential</u> Left* _____ Right* _____ Low _____ Moderate <u>X</u> <u>X</u> High _____
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input checked="" type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____		<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%

Stream Inventory Data Form

Stream Delineation ID

Adjacent Community Type <u>Agriculture</u>	
<u>Percent Cover</u> <div style="margin-top: 10px;">Trees _____</div> <div style="margin-top: 10px;">Shrubs _____</div> <div style="margin-top: 10px;">Herbaceous <u>60</u></div> <div style="margin-top: 10px;">Woody Vines _____</div> <div style="margin-top: 10px;">Bare Soil/Rock _____</div> <div style="margin-top: 10px;">Impervious _____</div>	<u>Dominant Species</u> <div style="margin-top: 10px;"><u>goldenrod, horsetail, phragmites, sumac, rubus</u></div> <div style="margin-top: 10px;"><u>Type</u> _____</div> <div style="margin-top: 10px;"><u>Type</u> _____</div>
<u>Observed Fauna</u>	
<input type="checkbox"/> Waterfowl <input type="checkbox"/> Snakes <input type="checkbox"/> Turtles	<input type="checkbox"/> Fish <input type="checkbox"/> Frogs <input type="checkbox"/> Toads
<input type="checkbox"/> Salamanders <input type="checkbox"/> Beaver <input type="checkbox"/> Muskrat	<input type="checkbox"/> Mink <input type="checkbox"/> Otter <input type="checkbox"/> Invertebrates
<input type="checkbox"/> Other _____	
<u>Presence of Rare, Threatened, or Endangered Species</u> <input type="checkbox"/> No <input type="checkbox"/> Yes <i>Species & Evidence</i> _____ <input checked="" type="checkbox"/> Undetermined	
<u>Notes (include weather, site access issues, culverts, etc.)</u> Sunny and 90 degrees. Stream originates from drain tiles.	
_____ _____ _____	
<u>Sketch (Optional)</u>	



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/22/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Cooper St Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>VICTORY</u>			
Stream Delineation ID <u>S-NSD-8</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>East of Cooper Street</u>			
<u>Presumed Regulatory Authority</u>			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u>	<u>Observed Hydrology</u>	Width (ft.) across Existing Water <u>3.5</u>	
<input type="checkbox"/> Perennial	Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate	<input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____	
<input checked="" type="checkbox"/> Intermittent	Stage <input type="checkbox"/> High <input type="checkbox"/> Flood	Flood Plain Present? <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u>	
<input type="checkbox"/> Ephemeral	Flow Direction <u>SW</u>	Width (ft.) across Ordinary High Water Mark* <u>5</u>	
<input type="checkbox"/> Undetermined	Average Depth <u>6</u>	<u>*Ordinary High Water Mark Indicators</u>	
<u>Streambed Substrate</u>	<u>Channel Gradient</u>	<input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack	
<input type="checkbox"/> Shale <input type="checkbox"/> Sand	<input checked="" type="checkbox"/> <2% (<1°) Gentle	<input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining	
<input type="checkbox"/> Bedrock <input type="checkbox"/> Organic	<input type="checkbox"/> 2 - 4% (1 - 2°) Moderate	<input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving	
<input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel	<input type="checkbox"/> 4 - 10% (2 - 6°) Steep	<input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks	
<input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay	<input type="checkbox"/> >10% (>6°) Very Steep	<input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris	
<input type="checkbox"/> Other _____		<input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting	
<u>Observed Use</u>		<input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation		<u>Water Quality</u>	
<input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture		<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid <input type="checkbox"/> Very Turbid	
<input type="checkbox"/> Other _____		Comments _____	
<u>Bank Slope</u>	Left* Right*	<u>Bank Height (ft.)</u>	<u>Bank Erosion Potential</u>
0 - 8% (0 - 5°) Nearly Level - Gently Sloping	_____	Left* <u>2</u>	Left* Right*
8 - 15% (5 - 9°) Moderately Sloping	_____	Right* <u>2</u>	Low _____
15 - 25% (9 - 14°) Steeply Sloping	X X	* Direction when facing downstream	Moderate X X
25 - 35% (14 - 20°) Steep	_____		High _____
>35% (>20°) Very Steep	_____		
<u>Bank Substrate</u>	<u>Aquatic Habitat</u>		<u>Estimated Canopy Closure</u>
<input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble	<input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar		<input type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60%
<input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic	<input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar		<input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70%
<input type="checkbox"/> Other _____	<input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool		<input type="checkbox"/> 20 - 30% <input checked="" type="checkbox"/> 70 - 80%
Comments _____	<input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools		<input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90%
_____	<input type="checkbox"/> Other _____		<input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%



Stream Inventory Data Form

Stream Delineation ID

Adjacent Community Type Forestland	
<u>Percent Cover</u> Trees <u>70</u> Shrubs _____ Herbaceous <u>50</u> Woody Vines _____ Bare Soil/Rock _____ Impervious _____	<u>Dominant Species</u> red maple, green ash _____ _____ jewelweed, skunk cabbage _____ _____ Type _____ Type _____
<u>Observed Fauna</u>	
<input type="checkbox"/> Waterfowl <input type="checkbox"/> Fish <input type="checkbox"/> Salamanders <input type="checkbox"/> Mink <input type="checkbox"/> Other _____ <input type="checkbox"/> Snakes <input checked="" type="checkbox"/> Frogs <input type="checkbox"/> Beaver <input type="checkbox"/> Otter _____ <input type="checkbox"/> Turtles <input type="checkbox"/> Toads <input type="checkbox"/> Muskrat <input type="checkbox"/> Invertebrates _____	
<u>Presence of Rare, Threatened, or Endangered Species</u>	
<input type="checkbox"/> No <input type="checkbox"/> Yes <i>Species & Evidence</i> _____ <input checked="" type="checkbox"/> Undetermined	
<u>Notes (include weather, site access issues, culverts, etc.)</u>	
Sunny and 90 degrees.	
Sketch (Optional)	



Stream Inventory Data Form

Project Name <u>NextEra Garnet</u>		Date <u>6/22/2020</u>	
Project Number _____		Evaluated By <u>Nick DeJohn</u>	
Address <u>Cooper St Conquest, NY 13166</u>			
USGS Quadrangle(s): <u>VICTORY</u>			
Stream Delineation ID <u>S-NSD-9</u>		Stream Name _____	
Stream Location _____			
(e.g. nearest road, structure) <u>East of Cooper Street</u>			
Presumed Regulatory Authority _____			
<input checked="" type="checkbox"/> U.S. Army Corps <input type="checkbox"/> State		Rationale: _____	
<u>Stream Class</u> <input type="checkbox"/> Perennial <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Undetermined	<u>Observed Hydrology</u> Flow <input type="checkbox"/> Dry <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate Stage <input type="checkbox"/> High <input type="checkbox"/> Flood Flow Direction <u>SE</u> Average Depth <u>6</u>	Width (ft.) across Existing Water <u>4</u> Flood Plain <input type="checkbox"/> Yes, Measure Bankfull Width (ft.) _____ Present? <input checked="" type="checkbox"/> No, Measure Top of Bank Width (ft.) <u>6</u> Width (ft.) across Ordinary High Water Mark* <u>5</u> <u>*Ordinary High Water Mark Indicators</u> <input checked="" type="checkbox"/> Natural Line Impressed on Bank <input type="checkbox"/> Scour <input type="checkbox"/> Wrack <input type="checkbox"/> Matted, bent, or Absent Vegetation <input type="checkbox"/> Water Staining <input type="checkbox"/> Soil Character Change <input type="checkbox"/> Shelving <input type="checkbox"/> Terrestrial Vegetation Destroyed <input checked="" type="checkbox"/> Bed & Banks <input type="checkbox"/> Disturbed/Washed-away Leaf Litter <input type="checkbox"/> Litter & Debris <input type="checkbox"/> Plant Community Change <input type="checkbox"/> Sediment Sorting <input type="checkbox"/> Multiple Observed Flow Events <input type="checkbox"/> Deposition	
<u>Streambed Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Sand <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic <input type="checkbox"/> Boulders <input type="checkbox"/> Cobble/Gravel <input checked="" type="checkbox"/> Silt <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Other _____	<u>Channel Gradient</u> <input checked="" type="checkbox"/> <2% (<1°) Gentle <input type="checkbox"/> 2 - 4% (1 - 2°) Moderate <input type="checkbox"/> 4 - 10% (2 - 6°) Steep <input type="checkbox"/> >10% (>6°) Very Steep	<u>Observed Use</u> <input type="checkbox"/> Boating <input type="checkbox"/> Shellfishing <input type="checkbox"/> Swimming <input type="checkbox"/> Irrigation <input type="checkbox"/> Fishing <input checked="" type="checkbox"/> Drainage <input type="checkbox"/> Drinking <input type="checkbox"/> Aquaculture <input type="checkbox"/> Other _____	
<u>Bank Slope</u> 0 - 8% (0 - 5°) Nearly Level - Gently Sloping _____ 8 - 15% (5 - 9°) Moderately Sloping _____ 15 - 25% (9 - 14°) Steeply Sloping <u>X</u> 25 - 35% (14 - 20°) Steep _____ >35% (>20°) Very Steep _____		<u>Bank Height (ft.)</u> Left* <u>3</u> Right* <u>3</u> * Direction when facing downstream	<u>Bank Erosion Potential</u> Left* _____ Right* _____ Low _____ Moderate <u>X</u> High _____
<u>Bank Substrate</u> <input type="checkbox"/> Shale <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Silt/Clay <input type="checkbox"/> Cobble <input type="checkbox"/> Bedrock <input type="checkbox"/> Sand <input type="checkbox"/> Riprap <input type="checkbox"/> Organic <input type="checkbox"/> Other _____ Comments _____	<u>Aquatic Habitat</u> <input type="checkbox"/> Aquatic Vegetation <input type="checkbox"/> Mud Bar <input checked="" type="checkbox"/> Overhanging Vegetation <input type="checkbox"/> Sand Bar <input type="checkbox"/> Undercut Banks <input type="checkbox"/> Riffle - Pool <input type="checkbox"/> Gravel Bar <input type="checkbox"/> Plunge Pools <input type="checkbox"/> Other _____	<u>Estimated Canopy Closure</u> <input checked="" type="checkbox"/> 0 - 10% <input type="checkbox"/> 50 - 60% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 60 - 70% <input type="checkbox"/> 20 - 30% <input type="checkbox"/> 70 - 80% <input type="checkbox"/> 30 - 40% <input type="checkbox"/> 80 - 90% <input type="checkbox"/> 40 - 50% <input type="checkbox"/> 90 - 100%	



Stream Inventory Data Form

Stream Delineation ID

Adjacent Community Type <u>Agriculture/Old field</u>	
<u>Percent Cover</u>	<u>Dominant Species</u>
Trees _____	_____
Shrubs _____	_____
Herbaceous <u>70</u>	<u>Corn, goldenrod, rubus</u>
Woody Vines _____	_____
Bare Soil/Rock _____	<u>Type</u> _____
Impervious _____	<u>Type</u> _____

<u>Observed Fauna</u>				
<input type="checkbox"/> Waterfowl	<input type="checkbox"/> Fish	<input type="checkbox"/> Salamanders	<input type="checkbox"/> Mink	<input type="checkbox"/> Other _____
<input type="checkbox"/> Snakes	<input checked="" type="checkbox"/> Frogs	<input type="checkbox"/> Beaver	<input type="checkbox"/> Otter	_____
<input type="checkbox"/> Turtles	<input type="checkbox"/> Toads	<input type="checkbox"/> Muskrat	<input type="checkbox"/> Invertebrates	_____

<u>Presence of Rare, Threatened, or Endangered Species</u>	
<input type="checkbox"/> No	<input type="checkbox"/> Yes <u>Species & Evidence</u> _____
<input checked="" type="checkbox"/> Undetermined _____	

<u>Notes (include weather, site access issues, culverts, etc.)</u>	
Sunny and 90 degrees.	

Sketch (Optional)	