



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 typic	al for this time of year? Yes No _∠ (If no	, explain in Remarks.)
	significantly disturbed? Are "Normal Circums naturally problematic? (If needed, explain ar	stances" present? Yes 🟒 No ny answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes 🟒 No		
Hydric Soil Present?	Yes 🟒 No	Is the Sampled Area within a Wetland?	Yes 🯒 No
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-NSD-14
Remarks: (Explain alternative procedures he	ere or in a separate report)	
TRC covertype is PFO. Drought			

Wetland Hydrology Indicators:			
Primary Indicators (minimum	of one is required; check all	<u>that apply)</u>	Secondary Indicators (minimum of two required)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Concav 	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 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 🟒	Depth (inches):	
Water Table Present?	Yes No 🟒	Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present?	Yes No 🟒	Depth (inches):	
(includes capillary fringe)			
Describe Recorded Data (strea	m gauge, monitoring well, a	aerial photos, previous inspections), if	available:

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

ree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	5	(• •
. Acer rubrum	60	Yes	FAC	Are OBL, FACW, or FAC:		(A)
. Fraxinus pennsylvanica	25	Yes	FACW	Total Number of Dominant Species	5	(B)
B. Populus deltoides	10	No	FAC	Across All Strata:		(0)
				Percent of Dominant Species That	100	(A/I
5.				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:		_
				- <u>Total % Cover of:</u>	Multiply I	-
	95	= Total Cov	er	OBL species 0	x 1 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)		-		FACW species 80	x 2 =	160
. Rhamnus cathartica	5	Yes	FAC	FAC species 87	x 3 =	261
				- FACU species 0	x 4 =	0
··		·		- UPL species 0	x 5 =	0
		·		- Column Totals 167	(A)	421 (
		·		Prevalence Index = B/A =	2.5	
				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic	Vegetation	
·	5	= Total Cov	or.	2 - Dominance Test is >50%		
		- 10tal COV	er	$_{✓}$ 3 - Prevalence Index is $\leq 3.0^{1}$		
lerb Stratum (Plot size: <u>5 ft</u>) . <i>Onoclea sensibilis</i>	40	Vac	FACW	4 - Morphological Adaptations	¹ (Provide s	supporti
. Fraxinus pennsylvanica	<u>40</u>	Yes		- data in Remarks or on a separate s		
	15	Yes	FACW	 Problematic Hydrophytic Vege 		
3. Acer rubrum	12	No	FAC	¹ Indicators of hydric soil and wetlar		gy must
ŀ		·		_ present, unless disturbed or proble	matic	
		·		Definitions of Vegetation Strata:		
		·		Tree – Woody plants 3 in. (7.6 cm) o		liameter
·		·		breast height (DBH), regardless of h	-	
		·		Sapling/shrub – Woody plants less t greater than or equal to 3.28 ft (1 m		BH and
		·		Herb – All herbaceous (non-woody)		ardlocc
0		·		size, and woody plants less than 3.2		aruless
1		·		Woody vines – All woody vines grea		28 ft in
2				- height.		
	67	= Total Cov	er	Hydrophytic Vegetation Present?		0
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u>)					ies _ / _ N	·
				-		
). 				-		
3				-		
ł				-		
	0	= Total Cov	er			

nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
- 18	10YR 3/2	95	10YR 5/6	5	С	<u>M</u>	andy Clay Loam	
·		· ·		·				
·				· · ·				
be: C = C	oncentration, D = [Depletio	on, RM = Reduced	l Mat	rix, MS =	Masked Sand Gra	ns. ² Location: PL = Pore	Lining, M = Matrix.
	ndicators:							oblematic Hydric Soils ³ :
Black His Hydroge Stratified Depleted Fhick Da Sandy M Sandy G Sandy Re Stripped	ipedon (A2) stic (A3) n Sulfide (A4) l Layers (A5) l Below Dark Surfa rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7) (LRR R, M		Depleted Da Redox Depre	y Mir d Ma trix (l Surfa rk Su	eral (F1) trix (F2) F3) ce (F6) rface (F7)	(LRR K, L)	Coast Prairie 5 cm Mucky Dark Surface Polyvalue Be Thin Dark Su Iron-Mangar Piedmont Fl Mesic Spodio Red Parent N	elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) hese Masses (F12) (LRR K, L, R) oodplain Soils (F19) (MLRA 149B) c (TA6) (MLRA 144A, 145, 149B) Material (F21) y Dark Surface (TF12)
icators o	of hydrophytic vege	etation	and wetland hyd	rolog	y must be	e present, unless o	listurbed or problematic.	
	ayer (if observed): Type: Depth (inches):		None	-		Hydric Soil Prese	nt?	Yes 🟒 No
narks:								

Vegetation Photos



Soil Photos





Project/Site: Garnet		City/County: Cato, Cayuga				Sampling Date: 2020-June-23		
Applicant/Owner: N	lextEra		State: NY		Sampling Point: W-	NSD-14; UPL-1		
Investigator(s): Nick	DeJohn, Ryan	Snow	Sect	ion, Township, Ra	ange:			
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relief	(concave, convex	, none):	Convex	Slope (%): 2-5	
Subregion (LRR or MLF	RA): LRR L		Lat:	43.151607709	Long:	-76.6233085749	Datum: WGS84	
Soil Map Unit Name:	Ontario loam	n, 8 to 15 percent slopes				NWI classificat	ion:	
Are climatic/hydrologic	c conditions or	the site typical for this time of	year?	Yes No	🖌 (lf no,	explain in Remarks.)	
Are Vegetation, Are Vegetation,		or Hydrology significantly or Hydrology naturally pro				tances" present? ly answers in Remarl	Yes 🟒 No ‹s.)	

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

Hydrophytic Vegetation Present?	Yes No 🟒		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No 🟒	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedure	es here or in a separate repo	rt)	
TRC covertype is UPL. Drought			

Wetland Hydrology Indicators:					
Primary Indicators (minimum of or	e is requi	Secondary Indicators (minimum of two required)			
Surface Water (A1) Water-Stained Leaves (B9) Aquatic Fauna (B13) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Grift Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Iron Deposits (B5) Share Marks (B1) Deposits (B5) Crust (B4) Saturation (C4) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)					 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 🖌	Depth (inches):		
Water Table Present?	Yes	_ No 🟒	Depth (inches):		Wetland Hydrology Present? Yes No
Saturation Present?	Yes	No 🖌	Depth (inches):		-
(includes capillary fringe)					-
Describe Recorded Data (stream g	auge, mon	litoring well,	aerial photos, previous inspe	ctions), if	available:

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

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Tha Are OBL, FACW, or FAC:	t 0	(A)
				Total Number of Dominant Specie	s 1	(B)
·				Percent of Dominant Species That	0	(A/B)
5				Are OBL, FACW, or FAC: Prevalence Index worksheet:		
j				- <u>Total % Cover of:</u>	Multiply	Bur
				- OBL species 0	x 1 =	<u>ру.</u> О
	0	= Total Cov	er	FACW species 0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)		_		FAC species 0		0
				· · · · ·	_ x 3 = _	-
				FACU species 0	_ × 4 =	0
				- UPL species <u>30</u>	x 5 =	150
		·		- Column Totals <u>30</u>	(A)	150 (B)
				Prevalence Index = B/A	=	
		·		Hydrophytic Vegetation Indicators	:	
		·		1- Rapid Test for Hydrophytic	: Vegetatior	n
	0	= Total Cov	or	2 - Dominance Test is > 50%		
	0		er	3 - Prevalence Index is $\leq 3.0^{\circ}$		
l <u>erb Stratum</u> (Plot size: <u>5 ft</u>)	20			4 - Morphological Adaptatior	ns¹ (Provide	supporting
. Zea mays	30	Yes	UPL	data in Remarks or on a separate	sheet)	
<u> </u>				Problematic Hydrophytic Veg	getation ¹ (Ex	(plain)
3				¹ Indicators of hydric soil and wetla	nd hydrolo	gy must be
ł				present, unless disturbed or prob	ematic	
				Definitions of Vegetation Strata:		
5.				Tree – Woody plants 3 in. (7.6 cm)	or more in	diameter a
7.				breast height (DBH), regardless of		
3.		·		Sapling/shrub – Woody plants less	-	OBH and
). 				greater than or equal to 3.28 ft (1		
0.				Herb – All herbaceous (non-wood	/) plants, re	gardless of
1				size, and woody plants less than 3	.28 ft tall.	-
2.		·		- Woody vines – All woody vines gre	ater than 3	.28 ft in
Z		- Total Cau		height.		
	30	= Total Cov	er	Hydrophytic Vegetation Present?	Yes N	lo ./
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u>)						
				-		
2				-		
3				-		
4				-		
	0	= Total Cov	er			

Depth	Matrix					<u> </u>	-	
nches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 20	10YR 3/4	100					Silt Loam	
						<u> </u>		
·								
	Concentration D =		n RM = Reduced	Matri	iv MS = I	Masked Sand G	ains 21 ocatio	
	Indicators:	Depietie	n, nivi – Neudceu	matri	1, 1015 - 1			ators for Problematic Hydric Soils ³ :
Histoso			Debaratus De		infaco (C)		1 400)	
	pipedon (A2)					8) (LRR R, MLRA R, MLRA 149B)	2	cm Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck					oast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					cm Mucky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					oark Surface (S7) (LRR K, L)
	d Below Dark Surfa	ace (A11	-					olyvalue Below Surface (S8) (LRR K, L)
•								hin Dark Surface (S9) (LRR K, L)
THICK D	ark Surface (A12)		Depleted Dal					
	ark Surface (A12) /lucky Mineral (S1)		Depleted Dar Redox Depre					ron-Manganese Masses (F12) (LRR K, L, R)
Sandy N	/ucky Mineral (S1)		Redox Depre				F	iedmont Floodplain Soils (F19) (MLRA 149B)
Sandy N Sandy C	Aucky Mineral (S1) Gleyed Matrix (S4)						F N	iedmont Floodplain Soils (F19) (MLRA 149B) Jesic Spodic (TA6) (MLRA 144A, 145, 149B)
_ Sandy N _ Sandy C _ Sandy F	Aucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)						F N F	iedmont Floodplain Soils (F19) (MLRA 149B) Aesic Spodic (TA6) (MLRA 144A, 145, 149B) Aed Parent Material (F21)
Sandy N Sandy C Sandy F Sandy F	Aucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6)	1LRA 149	Redox Depre				F M F N	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12)
Sandy N Sandy C Sandy F Stripped Dark Su	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, N		Redox Depre	ssions	s (F8)		F M F V	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Ied Parent Material (F21) 'ery Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy N Sandy C Sandy F Strippe Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg	etation	Redox Depre	ssions	s (F8)		F M F V	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Ied Parent Material (F21) 'ery Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy M Sandy C Sandy F Strippe Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, N	etation	Redox Depre	ssions	s (F8)		F N F \	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripped Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg	etation	Redox Depre	ssions	s (F8)		F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Ied Parent Material (F21) 'ery Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy N Sandy C Sandy F Strippe Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed) :	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripper Dark Su dicators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
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Sandy N Sandy C Sandy F Stripper Dark Su Dark Su <u>licators</u> trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Strippe Dark Su Dark Su licators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Strippe Dark Su Dark Su licators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
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Sandy N Sandy C Sandy F Strippe Dark Su Dark Su licators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripper Dark Su licators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Strippe Dark Su <u>licators</u> trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
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Sandy N Sandy C Sandy F Strippe Dark Su Dark Su licators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripper Dark Su licators trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
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Sandy N Sandy C Sandy F Stripper Dark Su dicators strictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Strippe Dark Su dicators	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripper Dark Su dicators strictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripper Dark Su dicators strictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.
Sandy N Sandy C Sandy F Stripper Dark Su Dark Su <u>licators</u> trictive	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Irface (S7) (LRR R, M of hydrophytic veg Layer (if observed): Type:	etation	Redox Depre	ssions	s (F8)	e present, unless	F N V C s disturbed or p	iedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Med Parent Material (F21) Yery Shallow Dark Surface (TF12) Other (Explain in Remarks) roblematic.

Vegetation Photos



Soil Photos





Project/Site: Garnet		Cit	ty/County: Cato, Ca	ayuga			Sampling Date:	2020-June-23
Applicant/Owner: N	lextEra				State: NY		Sampling Point: V	V-NSD-15; PEM-1
Investigator(s): Nick	DeJohn, Ryan	Snow		Sect	ion, Township, Ra	inge:		
Landform (hillslope, te	rrace, etc.):	Depression	Lo	cal relief	(concave, convex	, none):	Concave	Slope (%): 1-10
Subregion (LRR or MLF	RA): LRR	-		Lat:	43.1468055655	Long:	-76.6267856794	Datum: WGS84
Soil Map Unit Name:	Hilton loam,	3 to 8 percent slop	pes				NWI classifica	ation:
Are climatic/hydrologie	c conditions o	h the site typical fo	r this time of year?		Yes No	🟒 (lf no	, explain in Remark	s.)
Are Vegetation, Are Vegetation,			_ significantly distur _ naturally problem				tances" present? ny answers in Rema	Yes 🟒 No arks.)

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

Hydrophytic Vegetation Present?	Yes 🟒 No		
Hydric Soil Present?	Yes 🟒 No	Is the Sampled Area within a Wetland?	Yes 🯒 No
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-NSD-15
Remarks: (Explain alternative procedures he	ere or in a separate report)	
TRC covertype is PEM. Drought			

Wetland Hydrology Indicators:			
Primary Indicators (minimum of	one is required; check all	<u>that apply)</u>	Secondary Indicators (minimum of two required)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial I Sparsely Vegetated Concave 	Aquat Marl E Hydro Oxidiz Preser Recen Thin M magery (B7) Other	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3) nce of Reduced Iron (C4) it Iron Reduction in Tilled Soils (C6) Auck Surface (C7) (Explain in Remarks)	 Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present?	Yes No 🟒	Depth (inches):	
Water Table Present?	Yes No 🟒	Depth (inches):	Wetland Hydrology Present? Yes _ No
Saturation Present?	Yes 🟒 No	Depth (inches): 5	
(includes capillary fringe)			
Remarks:	n gauge, monitoring well, a	aerial photos, previous inspections), if	available:

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

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
· 2				Total Number of Dominant Species Across All Strata:	1	(B)
3 		<u> </u>		Percent of Dominant Species That	100	 (A/B)
5.				Are OBL, FACW, or FAC:		
5.				Prevalence Index worksheet:	Madelandar D	
·				- <u>Total % Cover of:</u> - OBL species 90	Multiply By	
	0	= Total Cov	er	- OBL species 90 FACW species 0	x1=	90
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)		-		-	x 2 =	0
· · ·				FAC species 0	x 3 =	0
2.				FACU species 0	x 4 =	0
3.		·		UPL species 0	x 5 =	0
 1.		<u> </u>		Column Totals 90	(A)	90 (B)
·		·		Prevalence Index = B/A =	1	
		·		Hydrophytic Vegetation Indicators:		
··· <u> </u>		<u> </u>		1- Rapid Test for Hydrophytic	Vegetation	
·	0	= Total Cov	er	∠ 2 - Dominance Test is >50%		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u>)	0	- 10001 COV	CI	$_{_}$ 3 - Prevalence Index is ≤ 3.0 ¹		
. Typha angustifolia	80	Yes	OBL	4 - Morphological Adaptations	s¹ (Provide su	pportin
				- data in Remarks or on a separate s	heet)	
2. Lythrum salicaria	10	No	OBL	Problematic Hydrophytic Vege	etation ¹ (Exp	lain)
3		·		¹ Indicators of hydric soil and wetlar	nd hydrology	must be
4				present, unless disturbed or proble	ematic	
5				Definitions of Vegetation Strata:		
5				Tree – Woody plants 3 in. (7.6 cm) c	or more in di	ameter a
7				breast height (DBH), regardless of l	neight.	
3.				Sapling/shrub – Woody plants less		H and
Э.				greater than or equal to 3.28 ft (1 n	n) tall.	
10.				Herb – All herbaceous (non-woody)		rdless of
11		·		size, and woody plants less than 3.	28 ft tall.	
12.				Woody vines – All woody vines grea	ater than 3.2	8 ft in
	90	= Total Cov	er	height.		
Noody Vine Stratum (Plot size: <u>30 ft</u>)		-		Hydrophytic Vegetation Present?	Yes 🟒 No	
1.						
		<u> </u>		-		
2		·		-		
3		<u> </u>		-		
4				-		
	0	= Total Cov	er			

Output Notest Function Notest Function Notest Function Texture Remarks 0-18 10YR 3/2 95 7.5YR 3/4 5 C M Sandy Clay Loam 0-18 10YR 3/2 95 7.5YR 3/4 5 C M Sandy Clay Loam 0-18 10YR 3/2 95 7.5YR 3/4 5 C M Sandy Clay Loam 0 0 0 0 0 0 0 0 0 yper C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. *Location: PL = Pore Lining, M = Matrix. Indicators for Problematic Hydric Salis. Yper C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. *Location: PL = Pore Lining, M = Matrix. Yper C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. *Location: PL = Pore Lining, M = Matrix. Yper C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. *Location: PL = Pore Lining, M = Matrix. Yper C = Concentration, D = Depletion, RM = Reduced Matrix (MS = Masked Sand Grains. *Location: PL = Pore Lining, M = Matrix. Histic Eppedion (A2)	Depth	Matrix	o ule u	Redox			indicator or confirm th		n ə.j
0 - 18 10YR 3/2 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 7.5YR 3/4 5 C M Sandy Clay Loam 9 95 95 9	· -		%					Texture	Remarks
ype: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. ?Location: PL = Pore Lining, M = Matrix. indicators: Indicators for Problematic Hydric Soils* Histosol (A1) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Histosol (A1) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sufface (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F7) Shandy Medox (S5) Depleted Dark Surface (F7) Sandy Medox (S5) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8) Sandy Redox (S5) Red Parent Material (F21) Dark Surface (S7) (LRR R, MLRA 149B) Neeid Parent Material (F21) Dark Surface (S7) (LRR R, MLRA 149B) Wery Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Red Parent Material (F21) Sandy Medox (S5) Red Parent Material (F21) Surface (S7) (LRR R, MLRA 149B) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) udicators of hydrophytic vegetation and wetland hydrology must be presen									Kentarks
dric Soil Indicators: Indicators is Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histos (A1)		101110/2		,1011(0,1					
dric Soil Indicators: Indicators: Indicators for Problematic Hydric Soils ² : Histos (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)									
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6)									
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6)	<u> </u>								
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6) Noucky Mineral (S1) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8)									
dric Soil Indicators: Indicators is Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histos (A1)	<u> </u>								
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6) Nin Dark Surface (F7) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6)									
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6) Noucky Mineral (S1) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8)									
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6) Noucky Mineral (S1) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8)									
dric Soil Indicators: Indicators is Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histos (A1)									
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6)									
dric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6) Noucky Mineral (S1) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8)									
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR K, L, MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Cother (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Yes _ No Type: None Hydric Soil Present? Yes _ No Depth (inches): Hydric Soil Present? Yes _ No	pe: C = C	oncentration, D = [Depleti	on, RM = Reduced	l Mat	rix, MS =	Masked Sand Grains.	² Location: PL = Pore	Lining, M = Matrix.
Histic Epipedon (A2)	dric Soil I	ndicators:						Indicators for Pr	oblematic Hydric Soils ³ :
Histic Epipedon (A2)								2 cm Muck (#	A10) (LRR K, L, MLRA 149B)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Dark Surface (S7) (LRR K, L) Depleted Below Dark Surface (A11) / Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, L) Sandy Mucky Mineral (S1) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR K, L, L) Sandy Redox (S5) Redox Depressions (F8) Nesion Floodplain Soils (F19) (MLRA 1445, 145, 145) Sandy Redox (S5)									
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S3) (LRR K, L) Depleted Below Dark Surface (A11) ✓ Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Redox Depressions (F8) Nesses (F12) (LRR K, L4, 145, 148) Sandy Redox (S5)							(LRR K, L)		
Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Polyvalue Below Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 1 Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. None Type: None Hydric Soil Present? Yes No Depth (inches):								-	
Thick Dark Surface (A12)			(Polyvalue Be	low Surface (S8) (LRR K, L)
Sandy Mucky Mineral (S1)	•		ce (A I				1	Thin Dark Su	ırface (S9) (LRR K, L)
Sandy Gleyed Matrix (S4)		, ,)	Iron-Mangar	nese Masses (F12) (LRR K, L, R)
				Redux Depre	:55101	IS (FO)		Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
Stripped Matrix (S6)	-	-						Mesic Spodie	c (TA6) (MLRA 144A, 145, 149B)
	-							Red Parent N	Material (F21)
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Instrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present?				0.01				Very Shallow	/ Dark Surface (TF12)
strictive Layer (if observed): Hydric Soil Present? Yes _ < No Type: None Hydric Soil Present? Yes _ < No	_ Dark Su	(1111) (LKK K, W		.96)				Other (Expla	in in Remarks)
Type: None Hydric Soil Present? Yes _ No Depth (inches):	dicators	of hydrophytic vege	etation	and wetland hyd	rolog	y must be	e present, unless distu	rbed or problematic.	
Depth (inches):	strictive L	ayer (if observed):							
		Туре:		None			Hydric Soil Present?		Yes 🟒 No
		Depth (inches):			-				
	narna.								

Vegetation Photos



Soil Photos





Project/Site: Garnet	ato, Cayuga			Sampling Date: 2	.020-June-23		
Applicant/Owner: N	lextEra			State: NY		Sampling Point: W-	NSD-15; UPL-1
Investigator(s): Nick	DeJohn, Ryan	Snow	Secti	ion, Township, Ra	nge:		
Landform (hillslope, te	rrace, etc.):	Agricultural Field	Local relief	(concave, convex,	, none):	Convex	Slope (%): 2-5
Subregion (LRR or MLF	RA): LRR I	-	Lat:	43.1415974955	Long:	-76.6295604688	Datum: WGS84
Soil Map Unit Name:	Hilton loam,	3 to 8 percent slopes				NWI classificat	ion:
Are climatic/hydrologie	c conditions or	the site typical for this time of	year?	Yes No	∠ (If no,	, explain in Remarks)
Are Vegetation, Are Vegetation,		or Hydrology significantly or Hydrology naturally pro				tances" present? ly answers in Remar	Yes 🟒 No ks.)

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

Hydrophytic Vegetation Present?	Yes No 🟒		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No 🟒	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedure	es here or in a separate repo	rt)	
TRC covertype is UPL. Drought			

Wetland Hydrology Indicators:					
Primary Indicators (minimum of or	e is requi	red; check all	<u>l that apply)</u>		Secondary Indicators (minimum of two required)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su 	0,,,,	Aqua Marl Hydro Oxidi Prese Recer Thin I Other	r-Stained Leaves (B9) tic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living R ence of Reduced Iron (C4) nt Iron Reduction in Tilled Soi Muck Surface (C7) r (Explain in Remarks)		 Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:					
Surface Water Present?	Yes	No 🖌	Depth (inches):		
Water Table Present?	Yes	_ No 🟒	Depth (inches):		Wetland Hydrology Present? Yes No _
Saturation Present?	Yes	No 🖌	Depth (inches):		-
(includes capillary fringe)					-
Describe Recorded Data (stream g	auge, mon	litoring well,	aerial photos, previous inspe	ctions), if	available:

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

<u> </u>		Dominant	Indicator	Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
				Total Number of Dominant Species	1	(B)
·				 Percent of Dominant Species That Are OBL, FACW, or FAC: 	0	(A/B)
				- Prevalence Index worksheet:		<u> </u>
j				- <u>Total % Cover of:</u>	Multiply E	hr
				- OBL species 0	x 1 =	. <u></u> 0
	0	= Total Cov	er	FACW species 0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species 0	x3=	0
				· · · ·	· –	0
				· · · · · · · · · · · · · · · · · · ·	x 4 =	-
				UPL species 0	x 5 =	0
·				- Column Totals 0	(A)	0 (B)
·				Prevalence Index = B/A =	<u> </u>	
				Hydrophytic Vegetation Indicators:		
·				1- Rapid Test for Hydrophytic	Vegetation	
·	0	= Total Cov	er	2 - Dominance Test is > 50%		
lerb Stratum (Plot size: <u>5 ft</u>)				$_$ 3 - Prevalence Index is $\le 3.0^1$		
. Glycine max	50	Yes	NI	4 - Morphological Adaptations		upporting
		165	INI	- data in Remarks or on a separate s		
		·		Problematic Hydrophytic Veg		-
		·		Indicators of hydric soil and wetlan	nd hydrolog	y must be
ł				present, unless disturbed or proble	ematic	
5				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) o	or more in d	iameter a
7				breast height (DBH), regardless of l	neight.	
3				Sapling/shrub – Woody plants less	than 3 in. D	BH and
Э.				greater than or equal to 3.28 ft (1 n	n) tall.	
0.				Herb – All herbaceous (non-woody		ardless of
11.				size, and woody plants less than 3.	28 ft tall.	
2				Woody vines – All woody vines grea	ater than 3.2	28 ft in
	50	= Total Cov	er	height.		
<u>Noody Vine Stratum</u> (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present?	Yes No	⊃_ ∕_
I.						
		·		-		
				-		
3.		<u> </u>		-		
4		<u> </u>		-		
	0	= Total Cov	er			

nches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Textu	re Remarks
0 - 18	10YR 3/4	100				Sandy L	oam
		·			 		
pe: C = C	oncentration, D = I	Depletio	n, RM = Reduced	Matrix, MS	= Masked Sa	nd Grains. ² L	ocation: PL = Pore Lining, M = Matrix.
Histosol Histic Ep Black Hi Hydroge Stratifier Depleter Thick Da Sandy M Sandy G Sandy R Stripped	vipedon (A2)	ice (A11)	Depleted Dar Redox Depre	rface (S9) (LF / Mineral (F1 d Matrix (F2) trix (F3) Gurface (F6) k Surface (F	RR R, MLRA 1) (LRR K, L)		Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B Mesic Spodic (TA6) (MLRA 144A, 145, 149B Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
dicators	of hydrophytic veg	etation a	and wetland hydr	ology must	be present, ι	nless disturbe	•
	. ayer (if observed): Type: Depth (inches):		None		Hydric So	l Present?	Yes No
marks:							

Vegetation Photos

Soil Photos







Project/Site: Garnet		City	//County: Port Byron	, Cayı	ıga		Sampling Date:	: 2020-June-23
Applicant/Owner: N	lextEra				State: NY		Sampling Point:	W-NSD-16; PFO-1
Investigator(s): Nick	DeJohn, Ryan	Snow		Sect	ion, Township, Ra	inge:		
Landform (hillslope, te	rrace, etc.):	Depression	Local ı	relief	(concave, convex,	, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLF	RA): LRR L			Lat:	43.1345698983	Long:	-76.6328289081	Datum: WGS84
Soil Map Unit Name:	Palmyra How	ard, and Alton soils	s, 25 to 40 percent slo	pes			NWI classifi	cation:
Are climatic/hydrologie	c conditions on	the site typical for	this time of year?		Yes No	∠ (If no	, explain in Remar	rks.)
Are Vegetation,	Soil,	or Hydrology	significantly disturbed	d?	Are "Normal (Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	naturally problematic	?	(If needed, ex	plain ar	ny answers in Rem	narks.)

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

Hydrophytic Vegetation Present?	Yes 🟒 No		
Hydric Soil Present?	Yes 🟒 No	Is the Sampled Area within a Wetland?	Yes 🟒 No _
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-NSD-16
Remarks: (Explain alternative procedures he	ere or in a separate report)	
TRC covertype is PFO. Drought			

Wetland Hydrology Indicators			
Primary Indicators (minimum	of one is required; check all	that apply)	Secondary Indicators (minimum of two required)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Concastant 	Aquat Marl I Hydro Oxidi: Prese Recer Thin I al Imagery (B7) Other	r-Stained Leaves (B9) tic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living Roots ence of Reduced Iron (C4) nt Iron Reduction in Tilled Soils (C6 Muck Surface (C7) • (Explain in Remarks)	✓ Saturation Visible on Aerial Imagery (C9)
Field Observations:			
Surface Water Present?	Yes No 🟒	Depth (inches):	
Water Table Present?	Yes 🖌 No	Depth (inches):	5 Wetland Hydrology Present? Yes No
Saturation Present?	Yes 🟒 No	Depth (inches):	0
(includes capillary fringe)			
Describe Recorded Data (stre	am gauge, monitoring well,	aerial photos, previous inspection	ons), if available:

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

ree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	2	(4)
. Acer rubrum	40	Yes	FAC	Are OBL, FACW, or FAC:	Z	(A)
. Fraxinus pennsylvanica	33	Yes	FACW	Total Number of Dominant Species	2	(B)
. Betula alleghaniensis	10	No	FAC	Across All Strata:		(0)
				 Percent of Dominant Species That Are OBL, FACW, or FAC: 	100	(A/B)
				Prevalence Index worksheet:		
				Total % Cover of:	<u>Multiply</u>	Bv:
				- OBL species 0	x 1 =	 0
	83	= Total Cov	er	FACW species 33	x 2 =	66
apling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species 50	x 3 =	150
				- FACU species 0	x 4 =	0
				UPL species 0	-	0
				· · · · · · · · · · · · · · · · · · ·	× 5 = _	
				Column Totals 83	(A) _	216 (B)
				Prevalence Index = B/A =	2.6	
				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic	Vegetation	I
	0	= Total Cov	er	2 - Dominance Test is >50%		
<u>erb Stratum</u> (Plot size: <u>5 ft</u>)		-		\checkmark 3 - Prevalence Index is $\leq 3.0^{1}$		
				4 - Morphological Adaptations		supporting
				data in Remarks or on a separate sl		
·				Problematic Hydrophytic Vege		-
				¹ Indicators of hydric soil and wetlan	d hydrolog	gy must be
				present, unless disturbed or proble	matic	
·				Definitions of Vegetation Strata:		
·				Tree – Woody plants 3 in. (7.6 cm) o		diameter a
				breast height (DBH), regardless of h	-	
				Sapling/shrub – Woody plants less t		OBH and
·				greater than or equal to 3.28 ft (1 m		
0				Herb – All herbaceous (non-woody)		gardless of
1				size, and woody plants less than 3.2		
2.				Woody vines – All woody vines grea	ter than 3.	.28 ft in
		= Total Cov	er	height.		
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u>)		-		Hydrophytic Vegetation Present?	Yes 🟒 N	lo
				•		
				·		
		Tabal Car				
	0	= Total Cov	er			

iches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Те	exture	Remarks
- 20	10YR 2/2	95	7.5YR 5/4	5	С	M	Sandy	Clay Loam	
 				·					
				·					
pe: C = Con	centration, D = D	epletic	on, RM = Reduced	Mat	rix, MS =	Masked Sand	Grains. ²	Location: PL = Pore l	ining, M = Matrix.
lric Soil Ind	icators:		Polyvalue Be					Indicators for Pro	blematic Hydric Soils ³ :
Stratified L Depleted E Thick Dark Sandy Muc Sandy Gley Sandy Red Stripped M	: (A3) Sulfide (A4) ayers (A5) ielow Dark Surfac Surface (A12) ky Mineral (S1) ved Matrix (S4) ox (S5)	ce (A11	Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma) ✓ Redox Dark S Depleted Dar Redox Depre	y Min d Ma trix (F Surfac rk Sur	eral (F1) trix (F2) -3) ce (F6) rface (F7)	(LRR K, L)	,	5 cm Mucky P Dark Surface Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Flo Mesic Spodic Red Parent M	ow Surface (S8) (LRR K, L) face (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) aterial (F21) Dark Surface (TF12)
licators of	nydrophytic vege	tation	and wetland hydr	rolog	y must be	e present, unle	ss disturk	ed or problematic.	
-	er (if observed): pe:		None			Hydric Soil Pi	esent?		Yes 🟒 No
	pth (inches):								
narks:									

Hydrology Photos



Vegetation Photos

Soil Photos







Project/Site: Garnet			i ty/County: Port Byr	on, Cay	uga	Sampling Date:	2020-June-23	
Applicant/Owner: N	lextEra				State: NY		Sampling Point:	W-NSD-16; UPL-1
Investigator(s): Nick	DeJohn, Ryan	Snow	Section, Township, Range:					
Landform (hillslope, te	rrace, etc.):	Hillslope	Loc	al relief	(concave, convex	, none):	Convex	Slope (%): 10-20
Subregion (LRR or MLF	RA): LRR L			Lat:	43.1344971853	Long:	-76.6335349996	Datum: WGS84
Soil Map Unit Name:	Palmyra How	ard, and Alton so	ils, 25 to 40 percent	slopes			NWI classifi	cation:
Are climatic/hydrologie	c conditions on	the site typical fo	or this time of year?		Yes No	🖊 (lf no	, explain in Remar	ˈks.)
Are Vegetation,	Soil,	or Hydrology	_ significantly disturl	bed?	Are "Normal (Circums	tances" present?	Yes 🟒 No
Are Vegetation,	Soil,	or Hydrology	_ naturally problema	atic?	(If needed, ex	plain ar	ny answers in Rem	arks.)

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

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

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	<u>e is require</u>	d; check all tha	<u>t apply)</u>	Secondary Indicators (minimum of two required)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sur 	0,1	Aquatic F Marl Dep Hydroger Oxidized Presence Recent Iro Thin Muc	ained Leaves (B9) auna (B13) osits (B15) o Sulfide Odor (C1) Rhizospheres on Living Roots (C3 of Reduced Iron (C4) on Reduction in Tilled Soils (C6) k Surface (C7) plain in Remarks)	 Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:				
Surface Water Present?	Yes	No 🟒	Depth (inches):	
Water Table Present?	Yes	No 🟒	Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present?	Yes	No 🟒	Depth (inches):	
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monit	oring well, aeri	al photos, previous inspections),	if available:

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

	Dominant		Dominance Test worksheet:		
	. <u> </u>		-	1	(A)
		FACU	Across All Strata:	°3	(B)
				33.3	(A/B)
				Multiply F	D.e.
					<u>əy.</u> 0
	= Total Cov	er			0
	-				-
			· · ·		15
					340
					0
	•				355 (B)
			, , , , ,		
	·			Vegetation	
0	= Total Cov	er			
	_				
5	Yes	FAC			upportin
			-		y must b
	·			ematic	
	·		-		
	·				iameter a
				-	
					BH and
			-		ardless o
				ater than 3.2	28 ft in
5	= Total Cov	er			
	-		Hydrophytic Vegetation Present?	Yes N	∘_∕_
			-		
			·		
	·		•		
0	= Total Cov	or	-		
			60 Yes FACU 25 Yes FACU 85 = Total Cover 0 = Total Cover 5 Yes FAC 25 Yes FAC	60 Yes FACU 25 Yes FACU 25 Yes FACU 7 Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: 7 Total % Cover of: 085 0 85 = Total Cover 86 0 7 FACU species 0 = Total Cover 7 FACU species 0 = Total Cover 1 Rapid Test for Hydrophytic 90 Prevalence Index is ≤ 3.01 1 Rapid Test for Hydrophytic 2 Dominance Test is > 50% 3 Prevalence Index is ≤ 3.01 1 Rapid Test for Hydrophytic 2 Dominance Test is > 50% 3 Prevalence Index is ≤ 3.01 4 Morphological Adaptation data in Remarks or on a separate se	60 Yes FACU 25 Yes FACU 25 Yes FACU Total Number of Dominant Species That 33.3 Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 Percent of Dominant Species That 33.3 Are OBL, FACW, or FAC: 33.3 Prevalence Index worksheet: 0 0 Total % Cover of: Multiply E 85 = Total Cover 0 x 2 = FAC species 0 x 2 = FAC species 0 x 5 = Column Totals 90 (A) Prevalence Index is < 3.0

nches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0 - 16	10YR 4/2	100				andy Loam	
		<u> </u>					
		<u> </u>		· <u> </u>			
		<u> </u>		·			
				· <u> </u>			
				· <u> </u>			
be: C = C	Concentration, D = [Depletio	n, RM = Reduced	Matrix, MS	= Masked Sand Grai	ns. ² Location: PL =	Pore Lining, M = Matrix.
	Indicators:						or Problematic Hydric Soils ³ :
Histosol			•		(S8) (LRR R, MLRA 14	- 9B) 2 cm Μι	uck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)				RR R, MLRA 149B)	Coast Pr	rairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Mucky			5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleyee Depleted Mat)	Dark Su	rface (S7) (LRR K, L)
	d Below Dark Surfa						ie Below Surface (S8) (LRR K, L)
•	ark Surface (A12)		Depleted Dar		7)		rk Surface (S9) (LRR K, L)
	/lucky Mineral (S1)		Redox Depres		.,		nganese Masses (F12) (LRR K, L, R)
-	Gleyed Matrix (S4)			()			nt Floodplain Soils (F19) (MLRA 149B)
-	Redox (S5)						podic (TA6) (MLRA 144A, 145, 149B)
	d Matrix (S6)						ent Material (F21)
	irface (S7) (LRR R, M	LRA 149)B)				allow Dark Surface (TF12)
_							xplain in Remarks)
	of hydrophytic vege	etation a	and wetland hydr	ology must	be present, unless d	isturbed or problem	atic.
					Lhuduin Cail Dunna	**7	
strictive l	Layer (if observed):				Hydric Soil Prese	nt?	Yes No 🟒
strictive l	Туре:		None	•			
trictive l	-		None				
trictive l	Туре:		None				
trictive l	Туре:		None				
trictive l	Туре:		None				
trictive l	Туре:		None				<u>.</u>
trictive l	Туре:		None				<u>.</u>
trictive l	Туре:		None				<u>.</u>
trictive l	Туре:		None				<u>.</u>
trictive l	Туре:		None	·			<u>.</u>
trictive l	Туре:		None				
narks:	Type: Depth (inches):						
narks:	Туре:	ue to ro					<u> </u>
marks:	Type: Depth (inches):	ue to ro					<u> </u>
strictive I	Type: Depth (inches):	ue to ro					<u> </u>
marks:	Type: Depth (inches):	ue to ro					<u> </u>
strictive I	Type: Depth (inches):	ue to ro					
narks:	Type: Depth (inches):	ue to ro					
trictive l	Type: Depth (inches):	ue to ro					

Vegetation Photos



Soil Photos

Photo of Sample Plot





WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Garnet	City	//County: Port Byron	, Cayı	ıga	Sampling Date	2020-June-23			
Applicant/Owner: N	Owner: NextEra				State: NY		Sampling Point:	W-NSD-17; PFO-1	
Investigator(s): Nick	DeJohn, Ryan	Snow		Sect	ion, Township, Ra	nge:			
Landform (hillslope, te	rrace, etc.):	Depression	Local	relief	(concave, convex	, none):	Concave	Slope (%): 0-	-1
Subregion (LRR or MLF	RA): LRR L			Lat:	43.1348887459	Long:	-76.6335536913	Datum: WGS	84
Soil Map Unit Name:	Palmyra How	ard, and Alton soils	s, 25 to 40 percent slo	opes			NWI classifi	cation:	
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)									
Are Vegetation,	Soil,	or Hydrologys	significantly disturbed	d?	Are "Normal (Circums	tances" present?	Yes 🟒 No 🔄	
Are Vegetation,	Soil,	or Hydrology ı	naturally problematic	?	(If needed, ex	plain ar	ny answers in Rem	narks.)	

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

Hydrophytic Vegetation Present?	Yes 🟒 No		
Hydric Soil Present?	Yes 🟒 No	Is the Sampled Area within a Wetland?	Yes 🟒 No _
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-NSD-17
Remarks: (Explain alternative procedures he	ere or in a separate report)	
TRC covertype is PFO. Drought			

HYDROLOGY

Wetland Hydrology Indicators	:					
Primary Indicators (minimum	of one is required; check all	that apply)		Secondary Indicators (minimum of two required)		
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Conca	Aqua Marl I Hydro Oxidi Prese Recer Thin I al Imagery (B7) Other	r-Stained Leaves (B9) tic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living Roots ence of Reduced Iron (C4) nt Iron Reduction in Tilled Soils (Co Muck Surface (C7) • (Explain in Remarks)	6)	 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 🟒	Depth (inches):				
Water Table Present?	Yes 🖌 No	Depth (inches):	4	Wetland Hydrology Present? Yes No		
Saturation Present?	Yes 🖌 No	Depth (inches):	0			
(includes capillary fringe)						
Remarks:	am gauge, monitoring well,	aerial photos, previous inspectior	ns), if a	vailable:		

VEGETATION -- Use scientific names of plants.

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

	Dominant		Dominance Test worksheet:		
	· · · · · · · · · · · · · · · · · · ·		-	2	(A)
				2	(B)
15	No	FACW			
	·		Are OBL, FACW, or FAC:	100	(A/B)
	·		Prevalence Index worksheet:		
	·		Total % Cover of:	Multiply E	<u>By:</u>
			OBL species 0	x 1 =	0
85	= lotal Cov	er	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 =		
			Hydrophytic Vegetation Indicators		
	·				
				regetation.	
0	= Total Cov	er			
					supportin
					plain)
			-		
			Definitions of Vegetation Strata:		
			Tree – Woody plants 3 in. (7.6 cm)	or more in d	liameter a
			breast height (DBH), regardless of	height.	
			Sapling/shrub – Woody plants less	than 3 in. D	BH and
					ardless o
				ater than 3.2	28 ft in
0	= Total Cov	er	height.		
	-		Hydrophytic Vegetation Present?	Yes 🟒 N	0
			- -		
	·		-		
			-		
0	= Total Cov	er	-		
	% Cover 50 20 15	% Cover Species? 50 Yes 20 Yes 15 No 85 = Total Cov 0 = Total Cov 0 = Total Cov	% Cover Species? Status 50 Yes FACW 20 Yes FAC 15 No FACW 15 No FACW 85 = Total Cover 0 = Total Cover 0 = Total Cover	% Cover Species? Status Number of Dominant Species That 50 Yes FACW 20 Yes FAC 15 No FACW 16 Marce OBL, FACW, or FAC: Prevalence Index worksheet: Intal & Cover of: 0 B5 = Total Cover 10 Column Totals 85 11 Rapid Test for Hydrophytic 12 Column Totals 85 13 Prevalence Index is ≤ 3.01 14 Morphological Adaptation 15 Marce of hydric soil and wetla present, unless disturbed or probl </td <td>% Cover Species? Status Number of Dominant Species That 2 50 Yes FAC Total Number of Dominant Species 2 15 No FACW Percent of Dominant Species That 100 15 No FACW Percent of Dominant Species That 100 15 No FACW Percent of Dominant Species That 100 15 No FACW Percent of Dominant Species That 100 16 Multiply I Percent of Dominant Species That 100 17 Mode Species 0 ×1 = 100 185 = Total Cover FAC Species 0 ×1 = 100 19 FACU Species 0 ×4 = 100 100 100 19 Species 0 ×4 = 100 100 100 100 100 100 19 Species 0 ×5 = 10 ×4 = 100 100 100 100 100 100 100 100 100 100 100 100 100 100 1</td>	% Cover Species? Status Number of Dominant Species That 2 50 Yes FAC Total Number of Dominant Species 2 15 No FACW Percent of Dominant Species That 100 15 No FACW Percent of Dominant Species That 100 15 No FACW Percent of Dominant Species That 100 15 No FACW Percent of Dominant Species That 100 16 Multiply I Percent of Dominant Species That 100 17 Mode Species 0 ×1 = 100 185 = Total Cover FAC Species 0 ×1 = 100 19 FACU Species 0 ×4 = 100 100 100 19 Species 0 ×4 = 100 100 100 100 100 100 19 Species 0 ×5 = 10 ×4 = 100 100 100 100 100 100 100 100 100 100 100 100 100 100 1

SOIL

nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Т	exture	Remarks
- 20	10YR 2/2	95	7.5YR 5/4	5	С		Sandy	/ Clay Loam	
		·							
be: C = C	oncentration, D = D	epletio	on, RM = Reduced	Mat	rix, MS =	Masked Sa	nd Grains.	² Location: PL = Pore l	ining, M = Matrix.
ric Soil I	ndicators:		Polyvalue Be					Indicators for Pro	blematic Hydric Soils ³ :
Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped	ipedon (A2) stic (A3) In Sulfide (A4) I Layers (A5) Below Dark Surfac rk Surface (A12) lucky Mineral (S1) leyed Matrix (S4) edox (S5) I Matrix (S6) rface (S7) (LRR R, MI	·	Depleted Dai	y Mir d Ma trix (l Surfa rk Su	eral (F1) trix (F2) -3) ce (F6) face (F7)	(LRR K, L)	+>U)	5 cm Mucky P Dark Surface Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Flo Mesic Spodic Red Parent M	ow Surface (S8) (LRR K, L) face (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) aterial (F21) Dark Surface (TF12)
licators	of hydrophytic vege	tation	and wetland hydr	olog	y must be	e present, ι	nless distur	bed or problematic.	
	. ayer (if observed): Type:		None			Hydric So	l Present?		Yes 🟒 No
narks:	Depth (inches):								

Hydrology Photos



Vegetation Photos

Soil Photos



Photo of Sample Plot





WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Garnet			ity/County: Port Byr	on, Cay	uga	Sampling Date: 2020-June-23			
Applicant/Owner: N	ant/Owner: NextEra				State: NY		Sampling Point:	W-NSD-17; UPL-1	
Investigator(s): Nick DeJohn, Ryan Snow Section, Township, Range:									
Landform (hillslope, te	rrace, etc.):	Hillslope	Loc	al relief	(concave, convex	, none):	Convex	Slope (%): 10-20	
Subregion (LRR or MLF	RA): LRR L			Lat:	43.1348235347	Long:	-76.6335933377	Datum: WGS84	
Soil Map Unit Name:	Palmyra How	ard, and Alton so	ils, 25 to 40 percent	slopes			NWI classifi	cation:	
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)									
Are Vegetation,	Soil,	or Hydrology	_ significantly disturb	oed?	Are "Normal (Circums	tances" present?	Yes 🟒 No	
Are Vegetation,	Soil,	or Hydrology	_ naturally problema	atic?	(If needed, ex	plain ar	ny answers in Rem	iarks.)	

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

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

HYDROLOGY

Wetland Hydrology Indicators:								
Primary Indicators (minimum of or	e is requi	red; check all	<u>l that apply)</u>		Secondary Indicators (minimum of two required)			
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)			r-Stained Leaves (B9) tic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) zed Rhizospheres on Living R ence of Reduced Iron (C4) nt Iron Reduction in Tilled Soi Muck Surface (C7) r (Explain in Remarks)		 Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) 			
Field Observations:								
Surface Water Present?	Yes	No 🖌	Depth (inches):					
Water Table Present?	Yes	_ No 🟒	Depth (inches):		Wetland Hydrology Present? Yes No _			
Saturation Present?	Yes	No 🖌	Depth (inches):		-			
(includes capillary fringe)					-			
Describe Recorded Data (stream g	auge, mon	litoring well,	aerial photos, previous inspe	ctions), if	available:			

VEGETATION -- Use scientific names of plants.

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

r <u>ee Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test workshe Number of Dominant Spe		0	
Acer saccharum	80	Yes	FACU	Are OBL, FACW, or FAC:		0	(A)
Prunus serotina	25	Yes	FACU	Total Number of Dominal	nt Species	4	(B)
·				Percent of Dominant Spe Are OBL, FACW, or FAC:	cies That	0	(A/B)
				- Prevalence Index workshi	oot:		
				Total % Cover of		Multiply	Dur
				- OBL species	<u>.</u> 0	x 1 =	<u>ру.</u> О
	105	= Total Cov	er	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species	0	x 3 =	0
				- FACU species	120	x 4 =	480
				- UPL species	0	x 5 =	480
				- Column Totals		-	
					120	(A)	480 (B)
				Prevalence Inde		4	,
				Hydrophytic Vegetation Ir			
				- 1- Rapid Test for Hyd		egetatior/	ו
	0	= Total Cov	er	2 - Dominance Test			
<u>erb Stratum</u> (Plot size: <u>5 ft</u>)		-		3 - Prevalence Index			
Polystichum acrostichoides	10	Yes	FACU	4 - Morphological A			supportin
Acer saccharum	5	Yes	FACU	- data in Remarks or on a s	-		
				Problematic Hydrop			-
				- ¹ Indicators of hydric soil a		-	igy must b
				present, unless disturbed		nauc	
				Definitions of Vegetation			
				Tree – Woody plants 3 in.			diameter a
	·	·		breast height (DBH), rega Sapling/shrub – Woody p		-	DBLLand
·		<u> </u>		greater than or equal to 3			DDH anu
		<u> </u>		Herb – All herbaceous (no			gardloss o
0				size, and woody plants le			garaiess o
1		·		Woody vines – All woody			28 ft in
2				height.			201011
	15	= Total Cov	er	Hydrophytic Vegetation	Drocont? \	/05	
<u>/oody Vine Stratum</u> (Plot size: <u>30 ft</u>)				Hydrophytic vegetation	resent	ies i	NU <u>/</u>
				_			
-				-			
				_			
·				_			
	0	= Total Cov	er				

SOIL

inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	ıre	Remarks
0 - 13	10YR 4/2	100					Sandy L	Loam	
		·				·			
						·			
	oncentration, D = I	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. ² l		Pore Lining, M = Matrix.
/ dric Soil Histosol	ndicators:		Polyvalue Bel	ov. C	urface (C	o) <i>(</i> ן חח ר			r Problematic Hydric Soils ³ :
Histic Ep Black Hi Hydroge Stratifie Deplete Thick Da Sandy M Sandy C Sandy R Sandy R Dark Su	hipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surfa rrk Surface (A12) lucky Mineral (S1) leyed Matrix (S4) edox (S5) I Matrix (S6) rface (S7) (LRR R, N	ace (A11) ILRA 149	Thin Dark Sur Loamy Mucky Depleted Mat) Redox Dark S Depleted Dar Redox Depres	rface / Mir d Ma trix (l surfa k Su ssior	(S9) (LRR leral (F1) i trix (F2) ⁷ 3) ce (F6) cface (F7) is (F8)	. R, MLRA	A 149B))	Coast Pr. 5 cm Mu Dark Sur Polyvalu Thin Dar Iron-Mar Piedmon Mesic Sp Red Pare Very Sha Other (E)	ck (A10) (LRR K, L, MLRA 149B) airie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) face (S7) (LRR K, L) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) it Floodplain Soils (F19) (MLRA 149B) odic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) llow Dark Surface (TF12) kplain in Remarks)
	of hydrophytic veg		and wetland hydr	olog	y must be	e presen	t, unless disturb	ed or problema	atic.
	.ayer (if observed): 								X N Z
	Type: Depth (inches):		None			Hydric	Soil Present?		Yes No 🟒
emarks:									
able to d	ig past 13 inches d	ue to ro	ots						

Vegetation Photos



Soil Photos

Photo of Sample Plot





WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Garnet			city/County: Port	t Byron, Cay	uga		Sampling Date:	2020-June-23	
Applicant/Owner: N	nt/Owner: NextEra State: N				State: NY		Sampling Point: W-NSD-18; PEM-1		
Investigator(s): Nick	DeJohn, Ryan	Snow		Sect	ion, Township, Ra	inge:			
Landform (hillslope, ter	rrace, etc.):	Depression		Local relief	(concave, convex	, none):	Concave	Slope (%): 0-1	
Subregion (LRR or MLR	A): LRR L	-		Lat:	43.1348438608	Long:	-76.633569114	Datum: WGS84	
Soil Map Unit Name:	Lamson muc	ky fine sandy loa	m				NWI classifica	ation:	
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)									
0		or Hydrology or Hydrology	_ 0 ,				tances" present? ly answers in Rema	Yes 🟒 No arks.)	

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

Hydrophytic Vegetation Present?	Yes 🟒 No		
Hydric Soil Present?	Yes 🟒 No	Is the Sampled Area within a Wetland?	Yes 🯒 No
Wetland Hydrology Present?	Yes 🟒 No	If yes, optional Wetland Site ID:	W-NSD-18
Remarks: (Explain alternative procedures he	ere or in a separate report)	
TRC covertype is PEM. Drought			

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum	of one is required; check all	Secondary Indicators (minimum of two required)	
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aeria Sparsely Vegetated Concav 	– Aquat Marl E – Hydro – Oxidiz – Preser – Recen – Thin N I Imagery (B7) – Other	-Stained Leaves (B9) ic Fauna (B13) Deposits (B15) ogen Sulfide Odor (C1) red Rhizospheres on Living Roots (C3) nce of Reduced Iron (C4) it Iron Reduction in Tilled Soils (C6) Auck Surface (C7) (Explain in Remarks)	 Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present?	Yes No 🟒	Depth (inches):	
Water Table Present?	Yes No 🟒	Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present?	Yes No 🟒	Depth (inches):	
(includes capillary fringe)			
Describe Recorded Data (strea	m gauge, monitoring well, a	aerial photos, previous inspections), if	available:

VEGETATION -- Use scientific names of plants.

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

<u>Free Stratum (</u> Plot size: <u>30 ft</u>	Absolute	Dominant	Indicator	Dominance Test worksheet			
	% Cover	Species?	Status	Number of Dominant Spec	ies That	2	(A)
·				Are OBL, FACW, or FAC:	Canadian		
·				Total Number of Dominant Across All Strata:	species	2	(B)
				Percent of Dominant Specie	-s That		
		·		Are OBL, FACW, or FAC:		100	(A/B)
·		·		Prevalence Index workshee	:t:		
·				Total % Cover of:		Multiply	By:
·		<u> </u>		- OBL species	28	x 1 =	28
	0	= Total Cov	er	FACW species	15	x 2 =	30
apling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species	52	x 3 =	156
				FACU species	10	x 4 =	40
·				UPL species	0	x 5 =	0
·		·		- Column Totals	105	(A)	254 (B
·				Prevalence Index	= B/A =	2.4	
·		·		Hydrophytic Vegetation Ind			
·				- 1- Rapid Test for Hydr		egetatior	
·				2 - Dominance Test is		-8	
	0	= Total Cov	er	✓ 3 - Prevalence Index is			
lerb Stratum (Plot size: <u>5 ft</u>)				4 - Morphological Ada	ptations ¹	(Provide	supportin
. Apocynum cannabinum	40	Yes	FAC	- data in Remarks or on a se			
. Carex lupulina	20	Yes	OBL	Problematic Hydroph	ytic Veget	ation ¹ (Ex	plain)
. Eupatorium perfoliatum	15	No	FACW	¹ Indicators of hydric soil an	d wetland	d hydrolo	gy must b
. Equisetum arvense	12	No	FAC	present, unless disturbed o	r problen	natic	
. Cirsium arvense	10	No	FACU	Definitions of Vegetation St	rata:		
. Lythrum salicaria	8	No	OBL	Tree – Woody plants 3 in. (7	-		diameter a
·		·		breast height (DBH), regard		-	
		·		Sapling/shrub – Woody pla			OBH and
				greater than or equal to 3.2			
0				Herb – All herbaceous (non size, and woody plants less	2.1		gardiess o
1		·		Woody vines – All woody vi			28 ft in
2		·		height.	nes great		2010111
	105	= Total Cov	er	Hydrophytic Vegetation Pr	ocon+2 \/	ίος / Ν	10
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u>)					esent? Y	cs I	IU
				-			
				-			
3				-			
1				-			
	0	= Total Cov	er				

SOIL

Depth Mati	rix		Features		nfirm the absence of ir	laicator <i>s</i> ,
nches) Color (ma		Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0 - 18 10YR 2/		5YR 3/4	5 C	<u></u>	Sandy Clay Loam	
			<u> </u>			
			<u> </u>			
			<u> </u>			
			. <u> </u>			
			. <u> </u>			
			<u> </u>			
pe: C = Concentration	ı, D = Depleti	on, RM = Reduced	Matrix, MS	= Masked Sand	Grains. ² Location: PL	= Pore Lining, M = Matrix.
lric Soil Indicators:					Indicators	s for Problematic Hydric Soils ³ :
Histosol (A1)				(S8) (LRR R, ML F		Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)		Thin Dark Su	rface (S9) (L	rr r, mlra 1498	•	Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3)		Loamy Muck				Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4		Loamy Gleye)		Surface (S7) (LRR K, L)
Stratified Layers (A5)		Depleted Ma			Polyva	alue Below Surface (S8) (LRR K, L)
Depleted Below Dark					Thin D	Dark Surface (S9) (LRR K, L)
Thick Dark Surface (A	,	Depleted Da		./)		/anganese Masses (F12) (LRR K, L, R)
Sandy Mucky Minera		Redox Depre	SSIONS (F8)		Piedm	nont Floodplain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix	(S4)				Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Redox (S5)					Red P	arent Material (F21)
_Stripped Matrix (S6)					Very S	Shallow Dark Surface (TF12)
_ Dark Surface (S7) (LR	R R, MLRA 14	19B)			Other	(Explain in Remarks)
dicators of hydrophyt	ic vegetation	and wetland hydi	ology must	be present, unle	ss disturbed or proble	matic.
strictive Layer (if obse	-	y	0,			
Type:	,	None		Hydric Soil P	esent?	Yes No
Depth (inche		Hone		ingune son i	esent.	
	5).					· · · · · ·
narks:						

Vegetation Photos



Photo of Sample Plot

Soil Photos





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 l	oam	NWI classification:
Are climatic/hydrologic conditions on the site typica	ll for this time of year? Yes No _∠ (If no,	explain in Remarks.)
	significantly disturbed? Are "Normal Circums naturally problematic? (If needed, explain an	tances" present? Yes _✔ No y answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes No 🟒		
Hydric Soil Present?	Yes No 🟒	Is the Sampled Area within a Wetland?	Yes No 🟒
Wetland Hydrology Present?	Yes No 🟒	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedure	es here or in a separate repo	rt)	
TRC covertype is UPL. Drought			

HYDROLOGY

Wetland Hydrology Indicators:				
Primary Indicators (minimum of on	<u>e is requi</u>	Secondary Indicators (minimum of two required)		
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Su 	0)	— Ac M O; O; Pr Re Th Ot	ater-Stained Leaves (B9) quatic Fauna (B13) arl Deposits (B15) /drogen Sulfide Odor (C1) kidized Rhizospheres on Living Roots esence of Reduced Iron (C4) ecent Iron Reduction in Tilled Soils (C hin Muck Surface (C7) ther (Explain in Remarks)	Stunted or Stressed Plants (D1)
Field Observations:				
Surface Water Present?	Yes	_ No 🟒	Depth (inches):	
Water Table Present?	Yes	_ No _	Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present?	Yes	No 🟒	Depth (inches):	
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, mor	itoring w	ell, aerial photos, previous inspectio	ons), if available:

VEGETATION -- Use scientific names of plants.

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

1.	<u>Stratum</u> (Plot size: <u>30 ft</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _15 ft_) Image: statum (Plot size: _16 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: _5 ft_) Image: Statum (Plot size: Statum (Plot size) Image: Statum (Plot size) Image: Statum (Plot size) Image: Statum (Plot size) Im				Status		0	(A)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 Prevalence Index worksheet: Total & Gover of: Multiply By; apling/Shrub Stratum (Plot size: _15 ft_) 0 = Total Cover AC species 0 x 1 = FAC species 0 FAC species 0 x 2 = FAC species 0 x 3 = FAC species Multiply By; 0 = Total Cover FAC species 0 x 3 = FAC species Multiply Species 0 x 5 = 0 x 5 = 0 Column Total Score of the species 0 x 5 = 0 x 5 = Column Total Score of the species 0 x 5 = 0 x 5 = Multiply By; 0 = Total Cover - - - Hydrophytic Vegetation Indicators: - - - - - By Chart Bar 30 Yes NI - - - - Glycine max 30 Yes NI - - - - - - - - - - - - - - - <						1	(B)
Are OBL, FACW, or FAC:							
Prevalence index worksheet: Image: transmission of the stratum (Plot size: _15 ft_) Image: transmission of transmissinter of transmission of transmission of transmissinter			·			0	(A/B)
Interface Interface <thinterface< th=""> <thinterface< th=""> <thinterface< th=""></thinterface<></thinterface<></thinterface<>					Prevalence Index worksheet:		
0 = Total Cover OB Pole. Species 0 x 1 = apling/Shrub Stratum (Plot size: _15 ft_)					Total % Cover of:	Multiply I	<u>By:</u>
apling/Shrub Stratum (Plot size: _15 ft_)					OBL species 0	x 1 =	0
A Species 0 X 3 = FACU species 0 X 4 = UPL species 0 X 5 = Column Totals 0 (A) 0 Prevalence Index = B/A =		0	= lotal Cov	er	FACW species 0	x 2 =	0
FACU species 0 x 4 = UPL species 0 x 5 = Column totals 0 (A) 0 Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 1 Hydrophytic Vegetation Indicators: 1 1 1 Rapid Test for Hydrophytic Vegetation Image: Stratum (Plot size: 5 ft_) 0 = Total Cover 3 2 Dominance Test is > 50% 4 Morphological Adaptations' (Provide supplate in Remarks or on a separate sheet) .	ng/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species 0	x 3 =	0
O x 5 = O x 5 = O x 5 = O (A) O Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Image: Stratum (Plot size: _ 5 ft_) 0 = Total Cover Silvcine max 30 Yes NI Givcine max 30 Yes NI Image: Silvcine max 30 Yes Yes Image: Silvcine max Image: Silvcine max Yes Yes Image: Silvcine max Image: Silvc			·		FACU species 0	x 4 =	0
Column Totals 0 (A) 0 Prevalence Index = B/A =					UPL species 0	x 5 =	0
Prevalence Index = B/A =					Column Totals 0		0 (B)
Image: stratum (Plot size:5 ft)			·				0 (D)
					Hydrophytic Vegetation Indicators:		
			·				
0 = Total Cover 3 - Prevalence Index is ≤ 3.01 .							
terb Stratum (Plot size:5 ft) 30YesNI 4 - Morphological Adaptations' (Provide supplication in Remarks or on a separate sheet)		0	= Total Cov	er			
Glycine max 30 Yes NI data in Remarks or on a separate sheet)						s ¹ (Provide s	upportin
	ilycine max	30	Yes	NI			apportin
Indicators of hydric soil and wetland hydrology m Indicators of hydric soll and wetland hydrology m Indicators of hydric soil and wetland hydrology m Indicators of hydroid m Indicators of hydroid m </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>olain)</td>							olain)
5.					5	, ,	5) 111451 5
5. Tree - Woody plants 3 in. (7.6 cm) or more in diambre breast height (DBH), regardless of height. 7					· · · · · ·		
					-	or more in c	liameter a
3.			· ·				
greater than or equal to 3.28 ft (1 m) tall. 0. 1. 2. 30 = Total Cover Woody Vine Stratum (Plot size: _30 ft) 30 30 and an additional and addited addited additional and addited additional and						-	BH and
0.			· ·				
1.			· ·				ardless o
2.			·		size, and woody plants less than 3.	28 ft tall.	
30 = Total Cover height. Woody Vine Stratum (Plot size:30 ft) Hydrophytic Vegetation Present? Yes No .			·		Woody vines – All woody vines grea	ater than 3.	28 ft in
Woody Vine Stratum (Plot size:30 ft)		20	- Total Cav	or	height.		
	dy Vine Stratum (Plot size: 30 ft)	30		er	Hydrophytic Vegetation Present?	Yes N	0_✔
2.	<u>aj mie se deam</u> (1100 sizel <u>- 50 re</u> -)						
3			·				
4					•		
			·				
			- Total Cov	or			
		· · · · ·	- 10tal COV				
Remarks: (Include photo numbers here or on a separate sheet.)	arks: (Include photo numbers here or on a separa	te sheet.)					
Remarks: (include photo numbers here or on a separate sheet.)	arks: (include photo numbers here or on a separa	te sneet.)					

SOIL

inches)	Color (moist)	%	Color (moist) 9	6 Type ¹	Loc ² Text	ure	Remarks
0 - 15	10YR 4/3	100			Sandy	Loam	
		·					
·		· ·		·			
·				·			
	oncentration, D = I ndicators:	Depletio	n, RM = Reduced M	atrix, MS = N	Masked Sand Grains.		Lining, M = Matrix. oblematic Hydric Soils ³ :
_ Black His _ Hydroge _ Stratifiec _ Depletec _ Thick Da _ Sandy M _ Sandy Re _ Sandy Re _ Stripped	ipedon (A2) stic (A3) n Sulfide (A4) l Layers (A5) l Below Dark Surfa rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4)	ace (A11)	Thin Dark Surfa Loamy Mucky M Loamy Gleyed N Depleted Matrix Redox Dark Sur Depleted Dark S Redox Depressi	ce (S9) (LRR lineral (F1) (I Matrix (F2) (F3) face (F6) Surface (F7)		Coast Prairie 5 cm Mucky Dark Surface Polyvalue Be Thin Dark Su Iron-Mangar Piedmont Fle Mesic Spodie Red Parent M Very Shallow	elow Surface (S8) (LRR K, L) Irface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R) podplain Soils (F19) (MLRA 149B) c (TA6) (MLRA 144A, 145, 149B)
			and wetland hydrold	ogy must be	present, unless disturk	ed or problematic.	
	ayer (if observed): Type:		None		Hydric Soil Present?	Ye	s No _
[Depth (inches):						

Vegetation Photos



Soil Photos

Photo of Sample Plot





	am moentory Data 10	
Project Name: Garnet Energy Cen	er Observer Nam	ne: BF/RS
Project Number:	Date:6/2	
Map Sheet No.:	State/County:	NY/Cayuga
GPS Point No(s):	Weather:	Clear
Associated Data Sheet		on (address, nearest road, structure etc.)
No(s):	Koule 3	8 Conquest, NY
	Stream Information	
	Stream Width	: <u>2-6</u> ft.
Stream Name: BF-S1	Water Width	<u> </u>
Perceptible Flow: Yes 🛛 No 🗌		<u> 2-6 ft.</u>
		<u></u> IL.
Direction of Flow: W/NW		th: <u>6</u> ft.
Perennial X Intermittent Eph	emeral	
Probed Stream Depth	Channel Substrate	Observed Water Quality
<u> </u>		
0-6"	Shale	🔀 Clear
7-12"	Bedrock	Slightly Turbid
13-24"	Cobble/Gravel	Turbid
25-36"	Sand	Very Turbid
>36"	Silt/Clay	
	Organic	
A quatia Habitat	Wildlife Observed (Specie	s) Observed Use
Aquatic Habitat	Wildlife Observed (Species	s) Observed Use
Sand Bar	Weterford	
	Waterfowl	Drinking
Sand/Gravel Beach Bar	Fish <u>Blacknose Dace</u>	Irrigation
Mud Bar	Turtles	Swimming
Overhanging	Frogs Bullfrogs, green	<u>n frogs</u>
Trees/Shrubs	Invertebrates <u>Water Gl</u>	<u>iders</u> Drainage
Cobble Riffles	Salamanders	Boating
Deep Ponds/Holes	Other:	Other:
Aquatic Vegetation		
Other		
Left Bank* Height and Slope	Right Bank *	Height and Slope
	_	_
$\square 0-3'$ $\square 0-20\% (0-11^{\circ})$	0-3'	$0-20\% (0-11^{\circ})$
3-6' 21-50% (12-2		21-50% (12-27°)
\Box 6-+ \boxtimes 51-100% (28-45°)		1-100% (28-45°)
	* Direction when facing down	nstream
Bank Substrate	Erosion Pote	ntial Meander Gradient
Shale Sand	🖂 Low	Low Gentle
Bedrock Silt/Clay		
	Moderate	Moderate Moderate
Cobble Organic		High Steep

Data Sheet No.
Stream Info. Continued
Adjacent Community Type: <u>Emergent Marsh, Forested wetlands, field crops, row crops</u>
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:
SKetchi.

		bi y Data i orm		
Project Name: Garnet Energy Cent	ter	Observer Name:	BF/RS	
Project Number:		Date: 6/16/2020		
	-			
Map Sheet No.:		State/County: NY	(/Cayuga	
GPS Point No(s):		Weather: Clear		
Associated Data Sheet		Stream Location (addr	ess nearest road	structure etc.)
			,	· /
No(s):		Route 38 Conqu	est, IN Y	
	Strean	n Information		
		Stream Width: 4	ft.	
Stream Name: BF-S2		Water Width 2	ft	
		$D_1 + D_1 = 4$	11.	
Perceptible Flow: Yes 🛛 No 🗌		Bank to Bank 4	II.	
Direction of Flow: South		Bankfull Width:	<u>4</u> ft.	
Perennial 🗌 Intermittent 🖂 Eph	emeral			
Probed Stream Depth	Channel Sub	nstrata	Observed W	Vater Quality
r robed Stream Depth	Channel Sur	Jsti att	Observed v	atti Quanty
0-6"	Shale		🔀 Clear	
7-12"	Bedrock		Slightly	Turbid
13-24"	Cobble/C	Travel	Turbid	
		haver		1.:.1
25-36"	Sand		🗌 Very Tu	rbia
>36"	Silt/Clay			
	Organic			
A gradia Habitat		(Smaniag)	Observed U	[~ ~
Aquatic Habitat	whame Obs	served (Species)	Observed U	se
			<u> </u>	
Sand Bar	Waterfow	wl	🔄 Drinking	3
Sand/Gravel Beach Bar	Fish		Irrigation	n
Mud Bar	Turtles		Swimmi	
				ng
Overhanging	Frogs		Fishing	
Trees/Shrubs	Invertebr	ates	🛛 Drainage	e
Cobble Riffles	Salaman	ders	Boating	
Deep Ponds/Holes	Other:		Other:	
Aquatic Vegetation				
Other				
Left Bank* Height and Slope		Right Bank* Height a	and Slope	
		- 		
\boxtimes 0-3' \square 0-20% (0-11°)		⊠ 0-3' □ 0-	20% (0-11°)	
3 -6' 21-50% (12-2	/°)		-50% (12-27°)	
$6 - + 51 - 100\% (28 - 45^{\circ})$		6-+ 🛛 51-100% (28-45°)	
	* Direction wh	en facing downstream		
		8		
Bank Substrate		Erosion Potential	Meander	Gradient
Dank Substrate		EI USIUII I UTEIITIAI	witanuti	Graulelli
Shale Sand		🖂 Low	🖂 Low	⊠Gentle
Bedrock Silt/Clay		Moderate	Moderate	Moderate
Cobble Organic		High	High	Steep
				Прись

	Data Sheet No. <u>BF-S2 2 of 2</u>
Stream Info. Continued	
Adjacent Community Type: Emergent	Marsh, Forested wetlands, field crops, row crops
Dominant Vegetative Species:	
Trees: Green ash, red maple, black che	rry, sugar maple
Shrubs: Green ash, multiflora rose, nor	thern spicebush, nannyberry
,,,,,,,,	,, _,, _
Herbaceous: Sensitive fern skunk cabb	bage, stinging nettle, spotted jewelweed
Therbaccous. Sensitive term, skulik cabe	age, stinging nettic, spotted jewerweed
Estimated 0/ of concerns all some over at	
Estimated % of canopy closure over str	
	-75% 76-100%
Presence of threatened/endangered spe	
🗌 Unknown 🛛 No 👘 Ye	es (identify)
Regulatory Status	
$\Box State Protected \Box Co$	orps Jurisdictional
Notes:	
Stream BF-S2 is short length intermitte	ent stream that originates from a drainage tile outlet and flows
south through Wetland BF-W1 and cor	nnects to Stream BF-S3.
Sketch:	

		ny Data I 01 m			
Project Name: Garnet Energy Cen	ter	Observer Name:	BF/RS		
Project Number:		Date: 6/16/2020			
	_				
Map Sheet No.:		State/County: NY			
GPS Point No(s):		Weather: Clear			
Associated Data Sheet		Stream Location (addr		structure etc.)	
		· · · · · · · · · · · · · · · · · · ·	,	· /	
No(s):		Route 38 Conqu	est, IN Y		
Stream Information					
		Stream Width: 3	ft.		
Stream Name: BF-S3		Water Width 2	ft		
		$\frac{1}{2}$	II.		
Perceptible Flow: Yes \boxtimes No \square		Bank to Bank 3	II.		
Direction of Flow: West		Bankfull Width:	<u>3</u> ft.		
Perennial 🗌 Intermittent 🔀 Eph	emeral				
Probed Stream Depth	Channel Sub	stuata	Observed V	Vater Quality	
r robeu Stream Depti	Channel Sub	osti ale	Observed v	valer Quanty	
0-6"	Shale		🔀 Clear		
7-12"	Bedrock		Slightly	Turbid	
13-24"				1.01010	
25-36"	Sand		🗌 Very Tu	rbid	
>36"	Silt/Clay				
	Organic				
				r	
Aquatic Habitat	Wildlife Obs	erved (Species)	Observed U	se	
Sand Bar	Waterfowl Drinking		3		
Sand/Gravel Beach Bar	Fish Irrigation		n		
Mud Bar					
	Turtles Swimming			ng	
Overhanging	Frogs		Fishing		
Trees/Shrubs	Invertebra	ates	🛛 Drainag	e	
Cobble Riffles	Invertebrates Image Salamanders Image				
	Other: Other:				
Deep Ponds/Holes	Other:		Other:		
Aquatic Vegetation					
Other					
Left Bank* Height and Slope		Right Bank* Height a	and Slope		
Lett Dank Height and Stope		Mont Dank Height	ina prope		
\boxtimes 0-3' \square 0-20% (0-11°)		⊠ 0-3' □ 0-	20% (0-11°)		
3 -6' 21 -50% (12-2	⁷⁰)		-50% (12-27°)		
$6 - + \times 51 - 100\% (28 - 45^{\circ})$		$6 - + \times 51 - 100\%$	(28-45°)		
` /	* Direction wh	en facing downstream	. ,		
	Direction with				
Dank Substrate		Erosion Potential	Moondor	Gradient	
Bank Substrate		Erosion Potential	Meander	Graulent	
			— -		
Shale Sand		Low	Low	⊠Gentle	
Bedrock Silt/Clay		Moderate	Moderate	Moderate	
		—	=		
Cobble Organic		High	High	Steep	

Data Sheet No. <u>BF-S3 2 of 2</u>				
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				
Therbaccous. Sensitive term, skulik eabbage, stilliging nettic, spotted jewerweed				
Estimated 0/ of concern all one of the set o				
Estimated % of canopy closure over stream channel:				
$ \boxed{\begin{array}{c cccccccccccccccccccccccccccccccccc$				
Presence of threatened/endangered species (fish, reptiles, or amphibians)?				
Unknown No Ves (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:				

	am moentory Data P				
Project Name: Garnet Energy Cent	ter Observer Nan	ne: BF/RS			
Project Number:	Date:6/				
	- Date. $0/$				
Map Sheet No.:	State/County:	NY/Cayuga			
GPS Point No(s):	Weather:	Clear			
Associated Data Sheet		on (address, nearest road, structure etc.)			
No(s):	Route 3	8 Conquest, NY			
Stream Information					
	Stream Width	: <u>4</u> ft.			
Stream Name: BF-S4		<u> </u>			
	Deuls to Deuls	$\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$			
Perceptible Flow: Yes 🗌 No 🕅	Balik to Balik	Bank to Bank <u>4</u> ft.			
Direction of Flow: Southwest		Bankfull Width: 5 ft.			
Perennial Intermittent Eph	emeral 🔀				
Probed Stream Depth	Channel Substrate	Observed Water Quality			
		- 0			
⊠ 0-6"	Shale	Clear			
7-12"	Bedrock	Slightly Turbid			
13-24"	Cobble/Gravel Turbid				
25-36"	Sand	Very Turbid			
>36"					
	Silt/Clay				
	Organic Organic				
Aquatic Habitat	Wildlife Observed (Specie	s) Observed Use			
A quarte matrice	(speele				
		$\square \mathbb{D}^{-1}$			
Sand Bar	Waterfowl Drinking				
Sand/Gravel Beach Bar	Fish Irrigation				
Mud Bar	Turtles Swimming				
Overhanging					
	Frogs Fishing				
Trees/Shrubs	Invertebrates Drainage				
Cobble Riffles	Salamanders Boating				
Deep Ponds/Holes					
Aquatic Vegetation					
Other					
Left Bank* Height and Slope	Right Bank*	Height and Slope			
\boxtimes 0-3' \square 0-20% (0-11°)	0-3'	0-20% (0-11°)			
□ 3-6' □ 21-50% (12-2'		21-50% (12-27°)			
$\Box \ 6+\boxtimes \ 51-100\% \ (28-45^{\circ}) \qquad \Box \ 6+\boxtimes \ 51-100\% \ (28-45^{\circ})$					
	* Direction when facing down	nstream			
	-				
Bank Substrate	Erosion Pote	ntial Meander Gradient			
Dunk Substrate		num munut Ofauluit			
	— -				
Shale Sand	Low	Low Gentle			
Bedrock Silt/Clay	Moderate	Moderate Moderate			
Cobble Organic	High	High Steep			

Data Sheet No. <u>BF-S4 2 of 2</u>
Stream Info. Continued
Adjacent 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:
$\Box 0-25\%$ $\Box 26-50\%$ $\boxtimes 51-75\%$ $\Box 76-100\%$
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
\Box Unknown \boxtimes No \Box Yes (identify)
Regulatory Status
State Protected Corps Jurisdictional
Notes:
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:

		ny Data I 01111		
Project Name: Garnet Energy Cen	ter	Observer Name:	BF/RS	
Project Number:		Date: 6/17/2020		
	- [
Map Sheet No.:		State/County: NY		
GPS Point No(s):		Weather: Clear		
Associated Data Sheet		Stream Location (addr		structure etc.)
			,	· /
No(s):		Route 38 Conqu	est, NY	
	Stream	Information		
		Stream Width: 2	ft.	
Stream Name: BF-S5		Water Width 2	ft	
		$\mathbf{D} = 1 + \mathbf{D} = 1 + 2$	II.	
Perceptible Flow: Yes \boxtimes No \square		Bank to Bank 2	It.	
Direction of Flow: West		Bankfull Width:	<u>2</u> ft.	
Perennial 🗌 Intermittent 🔀 Eph	emeral 🗌			
Ducked Stucene Denth	Channal Sub		Oh a surve of U	
Probed Stream Depth	Channel Sub	ostrate	Ubserved w	Vater Quality
⊠ 0-6"	Shale		🔀 Clear	
7-12"	Bedrock		Slightly	Turbid
		Surger 1		1 ui olu
13-24"	Cobble/G	ravel	🗌 Turbid	
25-36"	Sand		🗌 Very Tu	rbid
>36"	Silt/Clay			
	Organic			
				r
Aquatic Habitat	Wildlife Obs	erved (Species)	Observed U	se
Sand Bar	Waterfow	v1	Drinking	3
Sand/Gravel Beach Bar	🗌 Fish		Irrigation	n
Mud Bar	Turtlag		Swimmi	
				ng
Overhanging	Frogs		Fishing	
Trees/Shrubs	Invertebra	ates	🛛 Drainage	e
Cobble Riffles	Salamand	lers	Boating	
Deep Ponds/Holes	Other:		U Other:	
Aquatic Vegetation				
Other				
Left Bank* Height and Slope		Right Bank* Height a	and Slong	
		Mgnt Dank Height	ing stope	
\boxtimes 0-3' \square 0-20% (0-11°)		⊠ 0-3' □ 0-	20% (0-11°)	
3-6' 21-50% (12-2	⁷)		-50% (12-27°)	
$6 - + \times 51 - 100\% (28 - 45^{\circ})$		$6 - + \times 51 - 100\%$	(28-45°)	
	* Direction wh	en facing downstream	. /	
Dank Substrate		Exection Detential	Maandar	Cradient
Bank Substrate		Erosion Potential	Meander	Gradient
			— -	
Shale Sand		Low	Low	⊠Gentle
Bedrock Silt/Clay		Moderate	Moderate	Moderate
			=	
Cobble Organic		High	High	Steep
1				

Stream Info. Continued
Adjacent Community Type: <u>Field crops, shallow emergent march, forested wetland</u>
Dominant Vegetative Species:
Trees: Green ash
Shrubs: Multiflora rose
Herbaceous: Cattails, reed canary grass, garlic mustard
, , , , , , , , , , , , , , , , , , , ,
Estimated % of canopy closure over stream channel:
$\square 0-25\% \square 26-50\% \boxtimes 51-75\% \square 76-100\%$
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
\square Unknown \square No \square Yes (identify)
Regulatory Status
State Protected Corps Jurisdictional
Notes:
noles:
Stream BF-S5 is short length intermittent stream that originates from drainage tile and flows through Wetland BF-W8.
Sketch:

		ny Data Porm		
Project Name: Garnet Energy Cent	er	Observer Name:	BF/RS	
Project Number:		Date: 6/17/2020		
	-			
Map Sheet No.:		State/County: N		
GPS Point No(s):	_	Weather: Clear		
Associated Data Sheet		Stream Location (add	ess nearest road	structure etc.)
No(s):		Lake Road, Cor	iquest, NY	
	Stream	Information		
		Stream Width: 3	ft.	
Stream Name: BF-S6		Water Width 0	ft	
		Deulet Middin 0	II.	
Perceptible Flow: Yes 🗌 No 🔀		Bank to Bank <u>3</u>	II.	
Direction of Flow: North		Bankfull Width:	<u>3</u> ft.	
Perennial Intermittent Eph	emeral 🖂			
Probed Stream Depth	Channel Sub	strate	Observed V	Vater Quality
⊠ 0-6"	Shale		Clear	
7-12"				Truchid
	Bedrock		Slightly	Turbia
13-24"	Cobble/G	ravel	🗌 Turbid	
25-36"	Sand		🗌 Very Tu	rbid
>36"	Silt/Clay			1014
	Organic			
Aquatic Habitat	Wildlife Obs	erved (Species)	Observed U	se
	—			
Sand Bar	Waterfow	/1	Drinking	5
Sand/Gravel Beach Bar	Fish		🗌 Irrigatio	n
Mud Bar	Turtles		Swimmi	
				ing
Overhanging	Frogs		Fishing	
Trees/Shrubs	Invertebra	ates	🛛 Drainag	e
Cobble Riffles	Salamand	lers	Boating	
Deep Ponds/Holes	Uther:		Other:	
Aquatic Vegetation				
Other				
L oft Dank's Hoight and Sland		Dight Dank's Haight	and flong	
Left Bank* Height and Slope		Right Bank* Height	and Slope	
\boxtimes 0-3' \square 0-20% (0-11°)		⊠ 0-3' □ 0-	-20% (0-11°)	
3 -6' 21 -50% (12-2	/~)		1-50% (12-27°)	
$6 - + \times 51 - 100\% (28 - 45^{\circ})$		6-+ 51-100%	(28-45°)	
	* Direction who	en facing downstream		
	Direction with			
Develo Sechertere te		E	M 1	C 4
Bank Substrate		Erosion Potential	Meander	Gradient
		<u></u>		<u> </u>
Shale Sand		🛛 Low	🛛 Low	Gentle
Shale Sand				
☐ Shale ☐ Sand ☐ Bedrock ⊠ Silt/Clay		Moderate	Moderate	Moderate
Shale Sand				

Data Sheet No. <u>BF-S6 2 of 2</u>
Stream Info. Continued
Adjacent 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:
\Box 0-25% \boxtimes 26-50% \boxtimes 51-75% \Box 76-100%
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
Unknown No Ves (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.
Shatah
Sketch:

	am mychtory Da			
Project Name: Garnet Energy Cent	er Observ	ver Name: Bl	F/RS	
Project Number:	Data	6/17/2020		
			~	
Map Sheet No.:	State/C	County: NY/C	Jayuga	
GPS Point No(s):	Weath	er: Clear		
Associated Data Sheet		Location (address	nearest road	structure etc.)
No(s):		Route 38, Conques	St, NY	
	Stream Inform			
	Stream	n Width: 4	ft.	
Stream Name: BF-S7	Water	Width 0	ft	
Perceptible Flow: Yes No	Ponle t	o Bank <u>4</u>	f	
		$0 \text{ Dallk} \underline{4}$	II.	
Direction of Flow: <u>South</u>		all Width: 4	ft.	
Perennial Intermittent Eph	emeral 🖂			
	-			
Probed Stream Depth	Channel Substrate		Observed W	ater Quality
⊠ 0-6"	Shale		Clear	
7-12"	Bedrock		Slightly	Furbid
				luiolu
13-24"	Cobble/Gravel		🗌 Turbid	
25-36"	Sand		Very Tur	bid
>36"	Silt/Clay			
	Organic			
	Organic			
Aquatic Habitat	Wildlife Observed (Species)	Observed Us	se
Sand Bar	Waterfowl		Drinking	
Sand/Gravel Beach Bar	Fish		Irrigation	1
Mud Bar	Turtles		Swimmir	
				ig
Overhanging	Frogs	_	Fishing	
Trees/Shrubs	Invertebrates		🛛 Drainage	
Cobble Riffles	Salamanders		Boating	
			Other:	
Deep Ponds/Holes	Other:			
Aquatic Vegetation				
Other				
Left Bank* Height and Slope	Right	Bank* Height and	d Slope	
	-	_		
\square 0-3' \square 0-20% (0-11°)	\boxtimes 0-3	3' 0-20	% (0-11°)	
⊠ 3-6' □ 21-50% (12-2'			0% (12-27°)	
			· · · ·	
\Box 6-+ \boxtimes 51-100% (28-45°)		+ 🛛 51-100% (28	5-43°)	
	* Direction when facir	ng downstream		
		•		
Bank Substrate	Erosio	n Potential	Meander	Gradient
Dunk Substrate	121 0510			Grauivilt
	— —	,		
Shale Sand	🖂 Lo	W	🛛 Low	Gentle
Bedrock Silt/Clay		oderate	Moderate	Moderate
Cobble Organic	☐ Hi		High	Steep
		511		Прись

Data Sheet No. <u>BF-S7 2 of 2</u>	
Stream Info. Continued	
Adjacent Community Type: <u>Field crops, shallow emergent marsh, apple orchard</u>	
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:	
$\Box 0-25\%$ $\boxtimes 26-50\%$ $\Box 51-75\%$ $\Box 76-100\%$	
Presence of threatened/endangered species (fish, reptiles, or amphibians)?	
\square Unknown \square No \square 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	7 11
	/-11,
flow south through Wetland BF-W-15 and end at Stream BF-S-1.	
Sketch:	

		i y Data i orm		
Project Name: Garnet Energy Cent	ter	Observer Name:	BF/RS	
Project Number:		Date: 6/18/2020		
Map Sheet No.:		State/County: NY		
GPS Point No(s):		Weather: Clear		
Associated Data Sheet		Stream Location (addre		structure etc.)
No(s):		Route 38, Conqu	lest, NY	
		Information		
		Stream Width: 6	ft.	
Stream Name: DF S8		Water Width 5	ft	
Stream Name: BF-S8			II.	
Perceptible Flow: Yes \square No \square		Bank to Bank <u>6</u>	ft.	
Direction of Flow: Northwe	st	Bankfull Width:	6 ft.	
Perennial 🛛 Intermittent 🗌 Eph				
Probed Stream Depth	Channel Subs	strate	Observed w	Vater Quality
0-6"	Shale		🔀 Clear	
7-12"	Bedrock		Slightly	Turbid
13-24"	Cobble/G	avel	Turbid	
		lavel		
25-36"	Sand		🗌 Very Tu	rbid
>36"	Silt/Clay			
	Organic			
	Willie Ohr		Oh a series of U	[
Aquatic Habitat	Wildlife Obse	erved (Species)	Observed U	se
	—		—	
Sand Bar	Waterfow	1	Drinking	3
Sand/Gravel Beach Bar	Fish		Irrigation	n
Mud Bar	Turtles		Swimmi	
				ng
Overhanging	Frogs		Fishing	
Trees/Shrubs	🛛 Invertebra	tes <u>Water gliders</u>	🛛 Drainage	e
Cobble Riffles	Salamand	ers	Boating	
Deep Ponds/Holes	Other:		Other:	<u> </u>
Aquatic Vegetation				
Other				
Left Bank* Height and Slope		Right Bank* Height a	nd Slong	
Lett Dank Height and Slope		night dank" fieight a	inu siope	
			0.0% (0.110)	
$[] 0.3' 0.20\% (0.11^{\circ})$			20% (0-11°)	
□ 21-50% (12-2	7°)	⊠ 3-6' □ 21	-50% (12-27°)	
$6 - + \times 51 - 100\% (28 - 45^{\circ})$		6-+ 🛛 51-100% (28-45°)	
	* Direction who	n facing downstream)	
		in racing downstreally		
Develo Cochesterete		F	M J	Care d'arret
Bank Substrate		Erosion Potential	Meander	Gradient
		<u> </u>	— -	
Shale Sand		🖂 Low	Low	Gentle
Bedrock Silt/Clay		Moderate	Moderate	Moderate
Cobble Organic		High	🖂 High	Steep

Data Sheet No. <u>BF-S8 2 of 2</u>
Stream Info. Continued
Adjacent 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
Harbagagues Spotted jawalwagd hurdook Canada galdanrad gummar grang
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)?
\Box Unknown \boxtimes No \Box Yes (identify)
Regulatory Status
State Protected Corps Jurisdictional
Notes:
Stream DE SQ is a non-minil stream that an initiates from a lance sulvent under Deute 20 flows northwest
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.
01 - 1
Sketch:

Project Name: Garnet Energy Cen		ory Data rorm	
	ter	Observer Name:	BF/RS
Project Number:		Date: 6/18/2020	
	_		
Map Sheet No.:		State/County: N	
GPS Point No(s):		Weather: Clear	
Associated Data Sheet		Stream Location (add	ress, nearest road, structure etc.)
No(s):			Conquest, NY
110(3)			
	Strear	n Information	
		Stream Width: 4	ft.
Stream Name: BF-S9		Water Width 2.:	5 ft.
Perceptible Flow: Yes 🛛 No		Bank to Bank 4	<u>6</u>
Direction of Flow: <u>Northeas</u>		Bankfull Width:	<u>4</u> ft.
Perennial 🗌 Intermittent 🖂 Eph	emeral		
Probed Stream Depth	Channel Su	bstrate	Observed Water Quality
0-6"	Shale		🔀 Clear
7-12"	Bedrock		Slightly Turbid
13-24"	Cobble/	Gravel	Turbid
25-36"	Sand		Very Turbid
>36"	Silt/Clay	7	
	Organic		
Aquatic Habitat	Wildlife Ob	served (Species)	Observed Use
	_		
Sand Bar	Waterfor	wl	Drinking
Sand/Gravel Beach Bar	Fish		Irrigation
$\overline{\boxtimes}$ Mud Bar			
	Iurtles Swimming		
Overhanging	Frogs		Fishing
Overhanging Trees/Shrubs	Frogs	rates	
Overhanging	Frogs	rates	☐ Fishing ⊠ Drainage
 Overhanging Trees/Shrubs Cobble Riffles 	Frogs Inverteb	rates ders	☐ Fishing☐ Drainage☐ Boating
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes 	Frogs Inverteb	rates	☐ Fishing ⊠ Drainage
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes Aquatic Vegetation 	Frogs Inverteb	rates ders	☐ Fishing☐ Drainage☐ Boating
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes 	Frogs Inverteb	rates ders	☐ Fishing☐ Drainage☐ Boating
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes Aquatic Vegetation 	Frogs Inverteb	rates ders	 Fishing Drainage Boating Other:
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes Aquatic Vegetation 	Frogs Inverteb	rates ders	 Fishing Drainage Boating Other:
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes Aquatic Vegetation Other Left Bank* Height and Slope	 Frogs Inverteb Salaman Other: 	rates ders Right Bank* Height	 Fishing Drainage Boating Other:
 Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes Aquatic Vegetation Other 	 Frogs Inverteb Salaman Other: 	rates ders Right Bank* Height	 Fishing Drainage Boating Other:
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation ✓ Other Left Bank* Height and Slope ✓ 0-3' □ 0-20% (0-11°)	Frogs Inverteb Salaman Other:	rates ders Right Bank* Height ⊠ 0-3' □ 0.	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation ✓ Other	Frogs Inverteb Salaman Other:	rates ders ders Right Bank* Height □ 0-3' 0- □ 3-6' 0	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°) 1-50% (12-27°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation ✓ Other Left Bank* Height and Slope ✓ 0-3' □ 0-20% (0-11°)	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders ders Right Bank* Height ⊠ 0-3' □ 0. □ 3-6' □ 2 □ 6-+ ⊠ 51-100%	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°) 1-50% (12-27°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation ✓ Other	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders ders Right Bank* Height □ 0-3' 0- □ 3-6' 0	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°) 1-50% (12-27°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ─ Deep Ponds/Holes ✓ Aquatic Vegetation ─ Other Left Bank* Height and Slope ✓ 0-3' □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-2 □ 6-+ ⊠ 51-100% (28-45°)	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders main ders Right Bank* Height \begin{aligned} 0-3' & 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 &	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°) 1-50% (12-27°) (28-45°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation ✓ Other	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders ders Right Bank* Height ⊠ 0-3' □ 0. □ 3-6' □ 2 □ 6-+ ⊠ 51-100%	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°) 1-50% (12-27°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ─ Deep Ponds/Holes ✓ Aquatic Vegetation ─ Other Left Bank* Height and Slope ✓ 0-3' □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-2 □ 6-+ ⊠ 51-100% (28-45°)	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders main ders Right Bank* Height \begin{aligned} 0-3' & 10 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 &	☐ Fishing ☐ Drainage ☐ Boating ☐ Other: and Slope -20% (0-11°) 1-50% (12-27°) (28-45°)
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation Other	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders might Bank* Height Image: Second stream Image: Second stream Image: Second stream Erosion Potential	☐ Fishing ☐ Drainage ☐ Boating ☐ Other:
 ○ Overhanging ○ Trees/Shrubs ○ Cobble Riffles ○ Deep Ponds/Holes ○ Aquatic Vegetation ○ Other	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders might Bank* Height \(\Box 0-3', \Box 0-3, \Box 0	□ Fishing □ Drainage □ Boating □ Other: and Slope •20% (0-11°) 1-50% (12-27°) (28-45°) Meander Gradient □ Low □ Low
 ✓ Overhanging ✓ Trees/Shrubs ✓ Cobble Riffles ✓ Deep Ponds/Holes ✓ Aquatic Vegetation ✓ Other	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates	Fishing Drainage Boating Other: Other: and Slope $20\% (0-11^{\circ})$ $1-50\% (12-27^{\circ})$ (28-45^{\circ}) Meander Gradient Low Gentle Moderate Moderate
 ○ Overhanging ○ Trees/Shrubs ○ Cobble Riffles ○ Deep Ponds/Holes ○ Aquatic Vegetation ○ Other	☐ Frogs ☐ Inverteb ☐ Salaman ☐ Other: _ 7°)	rates ders might Bank* Height \(\Box 0-3', \Box 0-3, \Box 0	□ Fishing □ Drainage □ Boating □ Other: and Slope •20% (0-11°) 1-50% (12-27°) (28-45°) Meander Gradient □ Low □ Low

Data Sheet No. <u>BF-S9 2 of 2</u>
Stream Info. Continued
Adjacent 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:
$\Box 0-25\%$ $\Box 26-50\%$ $\Box 51-75\%$ $\boxtimes 76-100\%$
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
Unknown No Ves (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:

Project Name: Garnet Energy Cen		
Project Number:	Date:6/18	8/2020
Map Sheet No.:		NY/Cayuga
GPS Point No(s):	Weather:	
Associated Data Sheet		
		n (address, nearest road, structure etc.)
No(s):	<u> </u>	treet, Conquest, NY
	Stream Information	
	Stream Width:	<u> </u>
Stream Name: BF-S10	Water Width	<u>2.5</u> ft.
Perceptible Flow: Yes 🛛 No 🗌	Bank to Bank	<u>5</u> ft
Direction of Flow: Southeas	t Bankfull Width	$\frac{5}{100}$ ft.
		. <u> </u>
Perennial 🛛 Intermittent 🗌 Eph		
Probed Stream Depth	Channel Substrate	Observed Water Quality
0-6"	Shale	🛛 Clear
7-12"	Bedrock	Slightly Turbid
13-24"	Cobble/Gravel	🗌 Turbid
25-36"	Sand	Very Turbid
>36"	Silt/Clay	
	= ·	
	Organic Organic	
A quatia Uabitat	Wildlife Observed (Species)	Observed Use
Aquatic Habitat	Wildlife Observed (Species)	Observed Use
	Weterferri	
Sand Bar	Waterfowl	Drinking
Sand/Gravel Beach Bar	Fish <u>Blacknose Dace</u>	_ Irrigation
Mud Bar	Turtles <u>Snapping Turtle</u>	Swimming
Overhanging	Frogs	Fishing
Trees/Shrubs	Invertebrates	Drainage
Cobble Riffles	Salamanders	Boating
Deep Ponds/Holes	Other:	Other:
Aquatic Vegetation		
Other		
Left Bank* Height and Slope	Right Bank* H	leight and Slope
$\square 0-3'$ $\square 0-20\% (0-11^{\circ})$		0-20% (0-11°)
3 -6' 21 -50% (12-2		21-50% (12-27°)
$6 - + \times 51 - 100\% (28 - 45^{\circ})$	6-+ 🛛 51-	100% (28-45°)
	* Direction when facing downs	tream
	C	
Bank Substrate	Erosion Potent	ial Meander Gradient
Shale Sand	Low	Low Gentle
\square Bedrock \boxtimes Silt/Clay	Moderate	\square Moderate \square Moderate
		V Ligh
Cobble Organic	High	High Steep

Data Sheet No. <u>BF-S10 2 of 2</u>
Stream Info. Continued
Adjacent 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:
$\Box 0-25\%$ $\Box 26-50\%$ $\Box 51-75\%$ $\boxtimes 76-100\%$
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
\Box Unknown \boxtimes No \Box 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.
1
Sketch:
Sketch.

Project Name: Garnet Energy Center Observer Name: BF/RS Map Sheet No:: Date: 6/18/2020 State/County: NY/Cayuga State/County: NY/Cayuga GPS Point No(s): State/County: NY/Cayuga GPS Point No(s): Stream Location (address, nearest road, structure etc.) Cooper Street, Conquest, NY No(s): Stream Information Stream Name: BF-S11 Perceptible Flow: Yes ⊠ No Bank to Bank 3 Direction of Flow: Stutheast Perennial Intermittent ⊠ Ephemeral Probed Stream Depth Channel Substrate Observed Water Quality Q -6° Stale Q -7' Badrock 13-24" Cobble/Gravel 25-36" Sand Sand Gravel Beach Bar Waterfowl Mud Bar Frish Q Overhanging Frogs Observed Use Daticity Salamanders Doating Deep Ponds/Holes Other: Outper Other: 7-12" Badrock 13-24" Cobble/Gravel Sand Gravel Beach Bar Fish <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
Map Sheet No.:	Project Name: Garnet Energy Cent	ter	Observer Name:	BF/RS	
Map Sheet No::	Project Number:		Date: $6/18/2020$		
GPS Point No(s):	Man Sheet No :	-			
Associated Data Sheet No(s): Stream Location (address, nearest road, structure etc.) Cooper Street, Conquest, NY Stream Name: BF-S11 Perceptible Flow: Yes ⊠ No □ Direction of Flow: Stream Width: 3 ft. Parceptible Flow: Yes ⊠ No □ Direction of Flow: Southeast Extremm Name: BF-S11 Bank to Bank 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality ∅ 0-6" Shale Slightly Turbid 13-24" Cobble/Gravel Slightly Turbid 25-36" Sand Very Turbid Sand/Gravel Beach Bar Fish Irrigation Mud Bar Waterfowl Swimming Overhanging Frogs Stalamaders Overhanging Frogs Stalamaders Deep Ponds/Holes Other: Dother: Other Salamanders Boating Deep Ponds/Holes Other: 0-20% (0-11°) 3-6' 21-50% (12-27°) -6+⊠ 51-100% (28-45°) * Direction when facing downstream * Direction when facing downstream	$\frac{1}{2} OPO D \cdot (N C)$				
No(s):		_			
Stream Information Stream Width:3ft. Bark To Bank 3ft. Perceptible Flow: Yes ⊠ No □ Bank to Bank3ft. Bankfull Width:3ft. Bankfull Width:3ft. Percennial □ Intermittent ⊠ Ephemeral □ Bankfull Width:3ft. Probed Stream Depth Channel Substrate Observed Water Quality □ 0-6°	Associated Data Sheet		Stream Location (addr	ess, nearest road,	, structure etc.)
Stream Information Stream Width:3ft. Bark To Bank 3ft. Perceptible Flow: Yes ⊠ No □ Bank to Bank3ft. Bankfull Width:3ft. Bankfull Width:3ft. Percennial □ Intermittent ⊠ Ephemeral □ Bankfull Width:3ft. Probed Stream Depth Channel Substrate Observed Water Quality □ 0-6°	No(s):		Cooper Street, C	Conquest, NY	
Stream Name: BF-S11 Stream Width: 3 ft. Perceptible Flow: Yes S No Bank to Bank 3 ft. Direction of Flow: Southeast Bank to Bank 3 ft. Perennial Intermittent S Ephemeral Bank to Bank 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Stream Vidth: 3 Stit/Clay Diring 0.53'' Sitt/Clay Drinking Drinking Sand/Gravel Beach Bar Frish Brishing Drinking Sand/Gravel Beach Bar Frish Drinking Drinking Overhanging Frogs Sitt/Clay Drinking Drainage <t< td=""><td></td><td></td><td>_</td><td><u>1</u>,</td><td></td></t<>			_	<u>1</u> ,	
Stream Name: BF-S11 Stream Width: 3 ft. Perceptible Flow: Yes S No Bank to Bank 3 ft. Direction of Flow: Southeast Bank to Bank 3 ft. Perennial Intermittent S Ephemeral Bank to Bank 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality Stream Vidth: 3 ft. Stream Vidth: 3 Stit/Clay Diring 0.53'' Sitt/Clay Drinking Drinking Sand/Gravel Beach Bar Frish Brishing Drinking Sand/Gravel Beach Bar Frish Drinking Drinking Overhanging Frogs Sitt/Clay Drinking Drainage <t< td=""><td></td><td>S4ma am</td><td>- Information</td><td></td><td></td></t<>		S4ma am	- Information		
Stream Name: BF-S11 Water Width 1.5 ft. Perceptible Flow: Yes \boxtimes No Bank to Bank 3 ft. Bank full Width: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality \boxtimes 0-6" \bigcirc Shale \bigcirc Clear \square 7-12" \square Bedrock \bigcirc Slightly Turbid \square 25-36" \bigcirc Sand \bigcirc Very Turbid \square 25-36" \bigcirc Sand \bigcirc Very Turbid \square 36" \bigcirc Silt/Clay \bigcirc Organic Aquatic Habitat Wildlife Observed (Species) Observed Use \square Sand/Gravel Beach Bar \square Turtes \square Briggion \square Mud Bar \square Turtes \square Silt/Clay \square Drinking \square Overhanging \square Turtes \square Swimming \square Swimming \square Overhanging \square Turtes \square Drainage \bigcirc Cobble Rifles \square Balamanders \square Drainage \square Overhanging \square Turtes \square Other: \square Other: \square Other: \square Other: \square Aquatic Vegetation \bigcirc Other: \square Oc20% (0-11°) \square 3-6' \square 21-50% (12-27°)		Stream		2	
Perceptible Flow: Yes ⊠ No □ Bank to Bank3ft. Direction of Flow: Southeast Bank to Bank3ft. Perennial □ Intermittent ⊠ Ephemeral □ Bank full Width:3ft. Probed Stream Depth Channel Substrate Observed Water Quality △ 0-6" □ Shale □ □ 7-12" □ Bedrock □ □ 13-24" □ Cobble/Gravel □ □ 25-36" □ Sand □ Very Turbid □ 3-24" □ Cobble/Gravel □ Turbid □ 25-36" □ Sand □ Very Turbid □ 3-26" □ Sait/Clay □ Drinking □ Sand/Gravel Beach Bar □ Waterfowl □ Drinking □ Mud Bar □ Turtles □ Swimming □ Overhanging □ Frogs □ Drainage □ Cobble Riffles □ □ Drainage □ □ Deep Ponds/Holes □ Other: □ □ Other: □ □ Deep Ponds/Holes □ 0.4; 1.00% (0-11°) <td></td> <td></td> <td>Stream Width: 3</td> <td> ft.</td> <td></td>			Stream Width: 3	ft.	
Perceptible Flow: Yes ⊠ No □ Bank to Bank3ft. Direction of Flow: Southeast Bank to Bank3ft. Perennial □ Intermittent ⊠ Ephemeral □ Bank full Width:3ft. Probed Stream Depth Channel Substrate Observed Water Quality △ 0-6" □ Shale □ □ 7-12" □ Bedrock □ □ 13-24" □ Cobble/Gravel □ □ 25-36" □ Sand □ Very Turbid □ 3-24" □ Cobble/Gravel □ Turbid □ 25-36" □ Sand □ Very Turbid □ 3-26" □ Sait/Clay □ Drinking □ Sand/Gravel Beach Bar □ Waterfowl □ Drinking □ Mud Bar □ Turtles □ Swimming □ Overhanging □ Frogs □ Drainage □ Cobble Riffles □ □ Drainage □ □ Deep Ponds/Holes □ Other: □ □ Other: □ □ Deep Ponds/Holes □ 0.4; 1.00% (0-11°) <td>Stream Name: BF-S11</td> <td></td> <td>Water Width 1.5</td> <td>5 ft.</td> <td></td>	Stream Name: BF-S11		Water Width 1.5	5 ft.	
Direction of Flow: Southeast Bankfull Width: 3 ft. Perennial Intermittent ⊠ Ephemeral Bankfull Width: 3 ft. Probed Stream Depth Channel Substrate Observed Water Quality □ 0-6" □ Slightly Turbid □ 13-24" □ Cobble/Gravel □ □ 25-36" □ Sand □ Very Turbid □ >36" □ Sith/Clay □ Drinking □ Sand □ Very Turbid □ Sisti/Clay □ Sand Bar □ Waterfowl □ Drinking □ Sand/Gravel Beach Bar □ Waterfowl □ Drinking □ Sand/Gravel Beach Bar □ Nwimming Swimming □ Overhanging □ Frogs □ Drainage □ Overhanging □ Invertebrates □ Dotining □ Dels Ponds/Holes □ Other: □ Other: □ □ Oebp Ponds/Holes □			Bank to Bank 3	ft	
Perennial □ Intermittent ⊠ Ephemeral □ Probed Stream Depth Channel Substrate Observed Water Quality □ 0-6", □			Doptfull Width	<u> </u>	
Probed Stream Depth Channel Substrate Observed Water Quality □ 0-6" □ <td< td=""><td>Direction of Flow. Southeas</td><td><u>. </u></td><td></td><td><u> </u></td><td></td></td<>	Direction of Flow. Southeas	<u>. </u>		<u> </u>	
\bigcirc 0-6° \bigcirc Shale \bigcirc Clear \bigcirc 7-12" \bigcirc Bedrock \bigcirc Slightly Turbid \bigcirc 13-24" \bigcirc Cobble/Gravel \bigcirc Slightly Turbid \bigcirc 25-36" \bigcirc Sand \bigcirc Very Turbid \bigcirc 36" \bigcirc Silt/Clay \bigcirc Observed Use \bigcirc Sand Bar \bigcirc Silt/Clay \bigcirc Observed Use \bigcirc Sand Bar \bigcirc Waterfowl \bigcirc Drinking \bigcirc Sand/Gravel Beach Bar \bigcirc Fish \bigcirc Drinking \bigcirc Mud Bar \bigcirc Turtles \bigcirc Swimming \bigcirc Overhanging \bigcirc Frogs \bigcirc Frishing \bigcirc Trees/Shrubs \bigcirc Invertebrates \bigcirc Drainage \bigcirc Cobble Riffles \bigcirc Salamanders \bigcirc Datinage \bigcirc Overhanging \bigcirc Other: \bigcirc Other: \bigcirc Deep Ponds/Holes \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Aquatic Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other: \bigcirc Action Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other: \bigcirc Action Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other: \bigcirc Action Veg	Perennial Intermittent 🔀 Eph	emeral			
\bigcirc 0-6° \bigcirc Shale \bigcirc Clear \bigcirc 7-12" \bigcirc Bedrock \bigcirc Slightly Turbid \bigcirc 13-24" \bigcirc Cobble/Gravel \bigcirc Slightly Turbid \bigcirc 25-36" \bigcirc Sand \bigcirc Very Turbid \bigcirc 36" \bigcirc Silt/Clay \bigcirc Observed Use \bigcirc Sand Bar \bigcirc Silt/Clay \bigcirc Observed Use \bigcirc Sand Bar \bigcirc Waterfowl \bigcirc Drinking \bigcirc Sand/Gravel Beach Bar \bigcirc Fish \bigcirc Drinking \bigcirc Mud Bar \bigcirc Turtles \bigcirc Swimming \bigcirc Overhanging \bigcirc Frogs \bigcirc Frishing \bigcirc Trees/Shrubs \bigcirc Invertebrates \bigcirc Drainage \bigcirc Cobble Riffles \bigcirc Salamanders \bigcirc Datinage \bigcirc Overhanging \bigcirc Other: \bigcirc Other: \bigcirc Deep Ponds/Holes \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Aquatic Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other: \bigcirc Action Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other: \bigcirc Action Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other: \bigcirc Action Veg					
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□ 7-12" □ Bedrock □ Slightly Turbid □ 13-24" □ Cobble/Gravel □ Turbid □ 25-36" □ Sand □ Very Turbid □ >36" □ Silt/Clay □ Organic Aquatic Habitat Wildlife Observed (Species) Observed Use □ Sand/Gravel Beach Bar □ Frish □ Irrigation □ Mud Bar □ Turtles □ Swimming □ Overhanging □ Frogs □ Boating □ Overhanging □ Frogs □ Drainage □ Overhanging □ Frogs □ Dotting □ Deep Ponds/Holes □ Other: □ Dotting □ Deep Ponds/Holes □ 0ther: □ Dotting □ 0-3" □ 0-20% (0-11°) □ 0-3" □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-27°) □ 3-6' □	-				- •
□ 7-12" □ Bedrock □ Slightly Turbid □ 13-24" □ Cobble/Gravel □ Turbid □ 25-36" □ Sand □ Very Turbid □ >36" □ Silt/Clay □ Organic Aquatic Habitat Wildlife Observed (Species) Observed Use □ Sand/Gravel Beach Bar □ Frish □ Irrigation Mud Bar □ Turtles □ Swimming □ Overhanging □ Frogs □ Boating □ Overhanging □ Frogs □ Drainage □ Overhanging □ Frogs □ Dotting □ Deep Ponds/Holes □ Other: □ Dotting □ Deep Ponds/Holes □ 0ther: □ Dotting □ 0-3" □ 0-20% (0-11°) □ 0-3" □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-27°) □ 3-6' □ 21-50% (\boxtimes 0-6"	Shale		Clear	
$13-24^n$ \Box Cobble/Gravel \Box Turbid $25-36^n$ \Box Sand \lor Very Turbid $>36^n$ \Box Silt/Clay \bigcirc Organic Aquatic Habitat Wildlife Observed (Species) Observed Use \Box Sand/Gravel Beach Bar \Box Waterfowl \Box Drinking \Box Sand/Gravel Beach Bar \Box Fish \Box Irrigation \Box Mud Bar \Box Turtles \Box Swimming \Box Overhanging \Box Frogs \Box Swimming \Box Overhanging \Box Frogs \Box Drinking \Box Overhanging \Box Frogs \Box Drinking \Box Overhanging \Box Frogs \Box Drainage \Box Cobble Riffles \Box Salamanders \Box Drainage \Box Deep Ponds/Holes \Box Other: \Box Other: \Box Deep Ponds/Holes \Box Other: \Box Other: \Box Other \Box 0-3" \Box 0-20% (0-11°) \Box Aquatic Vegetation \Box 0-3" \Box 0-20% (0-11°) \Box Other \Box 0-3" \Box 0-20% (0-11°) \exists -6" \Box 1-50% (12-27°) \exists -6' \Box 1-51-50% (12-27°) d -+ \boxtimes 51-100% (28-45°) * Direction when facing downstream					T1:1
25-36" Sand ∨ery Turbid >36" Silt/Clay Organic Aquatic Habitat Wildlife Observed (Species) Observed Use Sand Bar Waterfowl Drinking Sand/Gravel Beach Bar Fish Drinking Mud Bar Turtles Swimming Overhanging Frogs Fishing Overhanging Invertebrates Drainage Cobble Riffles Salamanders Boating Deep Ponds/Holes Other: Other: Aquatic Vegetation Other: 0-20% (0-11°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 6-+ ⊠ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Moderate					Turbid
$\ge >36^\circ$ \boxtimes Silt/Clay \bigcirc Aquatic Habitat Wildlife Observed (Species) Observed Use \bigcirc Sand Bar \bigcirc Waterfowl \bigcirc Drinking \bigcirc Sand/Gravel Beach Bar \bigcirc Fish \bigcirc Irrigation \bigcirc Mud Bar \bigcirc Turtles \bigcirc Swimming \bigcirc Overhanging \bigcirc Trocks \bigcirc Drinking \bigcirc Trees/Shrubs \bigcirc Invertebrates \bigcirc Drainage \bigcirc Cobble Riffles \bigcirc Salamanders \bigcirc Boating \bigcirc Deep Ponds/Holes \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Aquatic Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc 0.3' \bigcirc 0-20% (0-11°) \bigcirc 3-6' 21-50% (12-27°) \bigcirc 3-6' \bigcirc 3-6' 21-50% (12-27°) \bigcirc 6-+ \boxtimes 51-100% (28-45°) * Direction when facing downstream * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient \bigcirc Shale Sand \bigcirc Low \bigcirc Moderate \bigcirc M	□ 13-24"	Cobble/	Gravel	🔄 Turbid	
$\ge >36^\circ$ \boxtimes Silt/Clay \bigcirc Aquatic Habitat Wildlife Observed (Species) Observed Use \bigcirc Sand Bar \bigcirc Waterfowl \bigcirc Drinking \bigcirc Sand/Gravel Beach Bar \bigcirc Fish \bigcirc Irrigation \bigcirc Mud Bar \bigcirc Turtles \bigcirc Swimming \bigcirc Overhanging \bigcirc Trocks \bigcirc Drinking \bigcirc Trees/Shrubs \bigcirc Invertebrates \bigcirc Drainage \bigcirc Cobble Riffles \bigcirc Salamanders \bigcirc Boating \bigcirc Deep Ponds/Holes \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc Other: \bigcirc Other: \bigcirc Aquatic Vegetation \bigcirc Other: \bigcirc Other: \bigcirc Other \bigcirc 0.3' \bigcirc 0-20% (0-11°) \bigcirc 3-6' 21-50% (12-27°) \bigcirc 3-6' \bigcirc 3-6' 21-50% (12-27°) \bigcirc 6-+ \boxtimes 51-100% (28-45°) * Direction when facing downstream * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient \bigcirc Shale Sand \bigcirc Low \bigcirc Moderate \bigcirc M	25-36"	Sand		Verv Tu	rbid
□ Organic Aquatic Habitat Wildlife Observed (Species) Observed Use □ Sand/Gravel Beach Bar □ Fish			r		
Aquatic Habitat Wildlife Observed (Species) Observed Use □ Sand Bar □ Waterfowl □ Drinking □ Sand/Gravel Beach Bar □ Frish □ Drinking □ Mud Bar □ Turtles □ Swimming □ Overhanging □ Frogs □ Drainage □ Overhanging □ Frogs □ Drainage □ Cobble Riffles □ Salamanders □ Dother: □ Deep Ponds/Holes □ Other: □ Other: □ Aquatic Vegetation □ Other: □ Other: □ Other □ -20% (0-11°) □ 0-3° □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-27°) □ 3-6' □ 21-50% (12-27°) □ 6-+ ⊠ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient □ Shale □ Sand □ Low □ Gentle □ Bedrock □ Sitt/Clay □ Moderate □ Moderate □ Moderate					
Sand Bar Waterfowl Drinking Sand/Gravel Beach Bar Fish Irrigation Mud Bar Turtles Swimming Overhanging Frogs Swimming Trees/Shrubs Invertebrates Drainage Cobble Riffles Salamanders Drainage Deep Ponds/Holes Other: Other: Other: Aquatic Vegetation Other: Other: Other: 0.3' 0-20% (0-11°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) * Direction when facing downstream * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Moderate		Urganic			
Sand Bar Waterfowl Drinking Sand/Gravel Beach Bar Fish Irrigation Mud Bar Turtles Swimming Overhanging Frogs Swimming Trees/Shrubs Invertebrates Drainage Cobble Riffles Salamanders Drainage Deep Ponds/Holes Other: Other: Other: Aquatic Vegetation Other: Other: Other: 0.3' 0-20% (0-11°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) * Direction when facing downstream * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Moderate					
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Sand/Gravel Beach Bar Fish Irrigation Mud Bar Turtles Swimming Overhanging Frogs Fishing Trees/Shrubs Invertebrates Drainage Cobble Riffles Salamanders Boating Deep Ponds/Holes Other: Other: Other: Aquatic Vegetation Other: Other: Other: Other 0-20% (0-11°) 0-3' 0-20% (0-11°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 6-+ ⊠ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Moderate					
Mud Bar □ 1 urtles □ Swimming Overhanging □ Frogs □ Fishing Trees/Shrubs □ Invertebrates □ Drainage □ Cobble Riffles □ Salamanders □ Boating □ Deep Ponds/Holes □ Other: □ Other: □ △ Aquatic Vegetation □ Other: □ Other: □ Other: □ ✓ Aquatic Vegetation □ Other: □ Other: □ Other: □ ✓ Other □ 0-3' □ 0-20% (0-11°) □ 0-3' □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-27°) □ 3-6' □ 21-50% (12-27°) □ 6-+ ☑ 51-100% (28-45°) □ 6-+ ☑ 51-100% (28-45°) * Direction when facing downstream ■ Bank Substrate Erosion Potential Meander Gradient □ Shale □ Sand □ Low □ M	Sand Bar	Waterfor	wl	Drinking	5
Mud Bar □ 1 urtles □ Swimming Overhanging □ Frogs □ Fishing Trees/Shrubs □ Invertebrates □ Drainage □ Cobble Riffles □ Salamanders □ Boating □ Deep Ponds/Holes □ Other: □ Other: □ △ Aquatic Vegetation □ Other: □ Other: □ Other: □ ✓ Aquatic Vegetation □ Other: □ Other: □ Other: □ ✓ Other □ 0-3' □ 0-20% (0-11°) □ 0-3' □ 0-20% (0-11°) □ 3-6' □ 21-50% (12-27°) □ 3-6' □ 21-50% (12-27°) □ 6-+ ☑ 51-100% (28-45°) □ 6-+ ☑ 51-100% (28-45°) * Direction when facing downstream ■ Bank Substrate Erosion Potential Meander Gradient □ Shale □ Sand □ Low □ M	Sand/Gravel Beach Bar	🗍 Fish		Irrigation	n
		Turtles			
					ng
Cobble Riffles Salamanders Boating Deep Ponds/Holes Other: Other: Other: Aquatic Vegetation Other Other: Other: Other Other Other: Other: Left Bank* Height and Slope Right Bank* Height and Slope \boxtimes 0-3' 0-20% (0-11°) 0-3' 0-20% (0-11°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 6-+ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Moderate Bedrock Silt/Clay Moderate Moderate Moderate		Frogs			
Cobble Riffles Salamanders Boating Deep Ponds/Holes Other: Other: Other: Aquatic Vegetation Other Other: Other: Other Other Other: Other: Left Bank* Height and Slope Right Bank* Height and Slope \boxtimes 0-3' 0-20% (0-11°) 0-3' 0-20% (0-11°) 3-6' 21-50% (12-27°) 3-6' 21-50% (12-27°) 6-+ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Moderate Bedrock Silt/Clay Moderate Moderate Moderate	Trees/Shrubs	Inverteb	rates	🛛 Drainage	2
Deep Ponds/Holes Other: Other: Other: Aquatic Vegetation Other Other: Other: Ueft Bank* Height and Slope Right Bank* Height and Slope \boxtimes 0-3' 0-20% (0-11°) \boxtimes 0-3' 0-20% (0-11°) \exists 3-6' 21-50% (12-27°) \exists 3-6' 21-50% (12-27°) \bigcirc 6-+ $51-100\%$ (28-45°) \bigcirc 6-+ $51-100\%$ (28-45°) * Direction when facing downstream * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient \square Shale Sand \square Low \square Low \square Gentle \square Bedrock Silt/Clay \square Moderate \square Moderate	Cobble Riffles	Salaman	ders		
\bigtriangleup Aquatic Vegetation \bigcirc Other \bigcirc Other \frown Other Left Bank* Height and Slope Right Bank* Height and Slope \bigotimes 0-3' \bigcirc 0-20% (0-11°) \boxtimes 0-3' \bigcirc 0-20% (0-11°) \bigcirc 3-6' \bigcirc 21-50% (12-27°) \bigcirc 3-6' \bigcirc 21-50% (12-27°) \bigcirc 6-+ \bigcirc 51-100% (28-45°) \bigcirc 6-+ \bigcirc 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient \bigcirc Shale Sand \bigcirc Low \bigcirc Gentle \bigcirc Moderate		C Othom			
OtherRight Bank* Height and SlopeLeft Bank* Height and SlopeRight Bank* Height and Slope \boxtimes 0-3'0-20% (0-11°) \square 3-6'21-50% (12-27°) \square 6-+ \boxtimes 51-100% (28-45°)* Direction when facing downstreamBank SubstrateErosion PotentialMeander \square ShaleSand \square ShaleSand \square BedrockSilt/Clay		Other:		Other:	
Left Bank* Height and SlopeRight Bank* Height and Slope \square 0-3'0-20% (0-11°) \square 3-6'21-50% (12-27°) \square 6-+ \boxtimes 51-100% (28-45°)* Direction when facing downstreamBank SubstrateErosion PotentialMeanderGradient \square ShaleSand \square ShaleSand \square BedrockSilt/Clay					
Left Bank* Height and SlopeRight Bank* Height and Slope \square 0-3'0-20% (0-11°) \square 3-6'21-50% (12-27°) \square 6-+ \boxtimes 51-100% (28-45°)* Direction when facing downstreamBank SubstrateErosion PotentialMeanderGradient \square ShaleSand \square ShaleSand \square BedrockSilt/Clay	Other				
\square					
\square	Left Bank* Height and Slope		Right Bank* Height (and Slope	
□ 6-+ ⊠ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient □ Shale Sand □ Low □ □ Bedrock Silt/Clay □ Moderate □	Lett Dank Height and Stope		ragne bunk freight (ing Stope	
□ 6-+ ⊠ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient □ Shale Sand □ Low □ Gentle □ Bedrock ⊠ Silt/Clay □ Moderate □ Moderate	\square 0.3, \square 0.20% (0.110)			200% (0.110)	
□ 6-+ ⊠ 51-100% (28-45°) * Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient □ Shale Sand □ Low □ Gentle □ Bedrock ⊠ Silt/Clay □ Moderate □ Moderate				2070(0-11)	
* Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Gentle Bedrock Silt/Clay Moderate Moderate Moderate		/°)			
* Direction when facing downstream Bank Substrate Erosion Potential Meander Gradient □ Shale □ Sand □ Low □ Low □ Gentle □ Bedrock ⊠ Silt/Clay □ Moderate □ Moderate	└└ 6-+ ⊠ 51-100% (28-45°)		└ 6-+ ⊠ 51-100% ((28-45°)	
Bank Substrate Erosion Potential Meander Gradient Shale Sand Low Low Gentle Bedrock Silt/Clay Moderate Moderate		* Direction wł	nen facing downstream		
□ Shale □ Sand □ Low □ Low □ Gentle □ Bedrock ⊠ Silt/Clay □ Moderate □ Moderate					
□ Shale □ Sand □ Low □ Low □ Gentle □ Bedrock ⊠ Silt/Clay □ Moderate □ Moderate	Bank Substrate		Erosion Potential	Meander	Gradient
Bedrock Silt/Clay Moderate Moderate				1110411401	Gradient
Bedrock Silt/Clay Moderate Moderate	Shala Sand				⊠Gont1a
Cobble Organic High Steep			∐ Moderate	🖂 Moderate	∐Moderate
	Cobble Organic		High	High	Steep
					I

Data Sheet No. <u>BF-S11 2 of 2</u>
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% X 76-100%
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
Unknown No Ves (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:

		v		
Project Name: Garnet Energy Cen		Observer Name:		
Project Number:		Date: 6/18/2020		
Map Sheet No.:		State/County: NY		
GPS Point No(s):		Weather: Clear		
Associated Data Sheet	_	Stream Location (addr		atmiationa ata)
				· · · · ·
No(s):		Slayton Rd, Con	quest, NY	
	Stream	n Information		
		Stream Width: 5	ft.	
Stream Name: JJB-S1		Water Width 3	ft.	
Perceptible Flow: Yes 🛛 No 🗌		Bank to Bank 6	ft	
Direction of Flow: Southeas	t	Bankfull Width:	I 6 ft	
Perennial \square Intermittent \boxtimes Eph		Dankrun Width.	<u> </u>	
Probed Stream Depth	Channel Sub	ostrate	Observed W	ater Quality
0-6"	Shale		🖂 Clear	
7-12"	Bedrock		Slightly	Turbid
13-24"	Cobble/C	Gravel	🗌 Turbid	
25-36"	Sand		Very Tu	rbid
>36"	Silt/Clay			
	Organic			
Aquatic Habitat	Wildlife Obs	served (Species)	Observed U	se
	_		_	
Sand Bar		wl	Drinking	5
Sand/Gravel Beach Bar	Fish		Irrigation	n
Mud Bar	Turtles		Swimmi	ng
Overhanging	Erogs		Fishing	0
Trees/Shrubs	Invortobr	ates	\square Drainage	`
			=	
Cobble Riffles		ders	Boating	
Deep Ponds/Holes	Other:		Other:	
Aquatic Vegetation				
Other				
Left Bank* Height and Slope		Right Bank* Height a	nd Slope	
		5 6	-	
\boxtimes 0-3' \square 0-20% (0-11°))	⊠ 0-3' □ 0-1	20% (0-11°)	
⊠ 3-6' □ 21-50% (12-2		⊠ 3-6' □ 21	-50% (12-27°)	
$\bigcirc 6^{-+} \boxtimes 51^{-1}00\% (28^{-4}5^{\circ})$. ,	6 + 51 - 100%		
	* Direction		20- 1 3)	
	· Direction wh	en facing downstream		
Bank Substrate		Erosion Potential	Meander	Gradient
Dank Substrate		Erosion Potential	wieander	Gradient
Shale Sand		🖂 Low	Low	Gentle
$D_{1} = 1$		=		
Bedrock Silt/Clay		Moderate	Moderate	Moderate
		=		

Data Sheet No. JJB-S1 2 of 2	
Stream Info. Continued	
Adjacent 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:	
\square 0-25% \square 26-50% \square 51-75% \boxtimes 76-100%	
Presence of threatened/endangered species (fish, reptiles, or amphibians)?	
Unknown 🛛 No 🔅 Yes (identify)	
Regulatory Status	
State Protected Corps Jurisdictional	
Notes:	
INOICES.	
Extends offsite.	
Extends offsite.	
Sketch:.	

	um mventor j				
Project Name: Garnet Energy Cent		server Name: J			
Project Number:	Da	te: <u>6/18/2020</u>			
Map Sheet No.:	Sta	te/County: NY			
GPS Point No(s):	We	eather: Clear			
Associated Data Sheet				structure ata)	
	Str	eam Location (addre			
No(s):		Slayton Rd, Conc	juest, NY		
		formation			
	Str	eam Width: 4	ft.		
Stream Name: JJB-S2	Wa	ater Width 2	ft.		
Perceptible Flow: Yes 🛛 No 🗌	Ba	nk to Bank 5	ft		
Direction of Flow: North	Ba	nkfull Width: 6	1t.		
		likiuli wiuuli. <u> </u>	<u> </u>		
Perennial 🗌 Intermittent 🔀 Eph					
Duched Stucom Darth	Channel Substra	240	Observed W	latan Analit-	
Probed Stream Depth	Channel Substra	ate	Observed w	ater Quality	
⊠ 0-6"	☐ Shale		🔀 Clear		
				T 1'1	
7-12"	Bedrock		Slightly '	l urbid	
13-24"	Cobble/Grav	el	🗌 Turbid		
25-36"	Sand		Very Tu	rbid	
>36"	Silt/Clay				
	Organic				
Aquatic Habitat	Wildlife Observ	ed (Species)	Observed Us	se	
Sand Bar			Drinking		
Sand/Gravel Beach Bar	Fish		Irrigation	1	
Mud Bar	Turtles		Swimmin	ng	
Overhanging	Frogs			Fishing	
Trees/Shrubs	Invertebrates		\square Drainage	`	
Cobble Riffles			= *	/	
			Boating		
Deep Ponds/Holes	Other:		Other:		
Aquatic Vegetation					
Other					
Left Bank* Height and Slope	Ri	ght Bank* Height a	nd Slope		
			00/ (0.110)		
\boxtimes 0-3' \boxtimes 0-20% (0-11°)			0% (0-11°)		
3-6' 21-50% (12-2)	7°)	3-6' 21-	50% (12-27°)		
$6 - + 51 - 100\% (28 - 45^{\circ})$		6-+ 51-100% (2	28-45°)		
	* Direction when f	acing downstream			
		0			
Bank Substrate	Er	osion Potential	Meander	Gradient	
Shale Sand	\bowtie	Low	🛛 Low	Gentle	
Bedrock Silt/Clay	Ē	Moderate	Moderate	Moderate	
Cobble Organic		High	High	Steep	
			L Ingn	Прись	

Data Sheet No. JJB-S2 2 of 2	
Stream Info. Continued	
Adjacent 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:	
$\Box 0.25\%$ $\Box 26-50\%$ $\Box 51-75\%$ $\boxtimes 76-100\%$	
Presence of threatened/endangered species (fish, reptiles, or amphibians)?	
Unknown No Ves (identify)	
Regulatory Status	
State Protected Corps Jurisdictional	
Notes:	
Extends offsite.	
Sketch:	
Skeen.	

	am mventory			
Project Name: Garnet Energy Cent	er Ob	server Name: J	JB	
Project Number:		te: <u>11/15/2020</u>		
Map Sheet No.:		te/County: NY		
	Sta			
GPS Point No(s):		eather: Clear		
Associated Data Sheet	Str	eam Location (addre	ss, nearest road,	structure etc.)
No(s):		Emerson Rd, Cor	auest. NY	
110(5)		Lineison na, coi		
		· · ·		
	Stream Inf		_	
	Str	eam Width: 5	ft.	
Stream Name: JJB-S3	Wa	ter Width 2	<u> </u>	
Perceptible Flow: Yes \boxtimes No	Bar	nk to Bank <u>5</u>	ft.	
Direction of Flow: SouthEast	t Ba	nkfull Width: 6	ft	
		inkruin viruun. <u> </u>	<u> </u>	
Perennial 🗌 Intermittent 🔀 Eph				
Probed Stream Depth	Channel Substra	ate	Observed W	ater Quality
$ \boxed{\bigcirc} 0-6" \\ \square 7-12" \\ \square 13-24" \\ \square 25-36" \\ \square > 36" $	 ☐ Shale ☐ Bedrock ☐ Cobble/Grave ☐ Sand △ Silt/Clay ☐ Organic 		Clear Slightly Turbid Very Tur	rbid
Aquatic Habitat	Wildlife Observe	ed (Species)	Observed U	se
 Sand Bar Sand/Gravel Beach Bar Mud Bar Overhanging Trees/Shrubs Cobble Riffles Deep Ponds/Holes Aquatic Vegetation Other	 Fish Turtles Frogs Invertebrates Salamanders Other: 	 		n ng
Left bank* fieight and Slope	KIş	giit dalik* neigiit a	na Slope	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		3-6' □ 21- 6-+ □ 51-100% (2	0% (0-11°) 50% (12-27°) 28-45°)	
Bank Substrate	Ere	osion Potential	Meander	Gradient
□ Shale □ Sand □ Bedrock ⊠ Silt/Clay □ Cobble □ Organic		Low Moderate High	☐ Low ⊠ Moderate ☐ High	⊠Gentle □Moderate □Steep

Data Sheet No. JJB-S3 2 of 2
Stream Info. Continued
Adjacent 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
Therefore State of the State of
Estimated % of canopy closure over stream channel:
$\square 0-25\%$ $\square 26-50\%$ $\square 51-75\%$ $\square 76-100\%$
Presence of threatened/endangered species (fish, reptiles, or amphibians)?
Unknown No Ves (identify)
Regulatory Status
State Protected Corps Jurisdictional
Notori
Notes:
Extends offsite.
Sketch:

	uni mventory Data r	
Project Name: Garnet Energy Cen	ter Observer Nar	ne: JJB
Project Number:	Date: 11	1/15/2020
Map Sheet No.:		:NY/Cayuga
GPS Point No(s):	Weather:	Clear
Associated Data Sheet		ion (address, nearest road, structure etc.)
No(s):	Emerso	on Rd, Conquest, NY
	Stream Information	
	Stream Width	n: <u>4</u> ft.
Stream Name: JJB-S4		ft.
Perceptible Flow: Yes \square No \square	Donk to Donk	$\underline{1}$ It:
	Dalik to Dalik	<u>4</u> ft.
Direction of Flow: <u>South</u>		lth: <u>5</u> ft.
Perennial 🗌 Intermittent 🔀 Eph	emeral	
Probed Stream Depth	Channel Substrate	Observed Water Quality
	Shale	Clear
7-12"	Bedrock	Slightly Turbid
13-24"	Cobble/Gravel	Turbid
25-36"	Sand	Very Turbid
>36"	Silt/Clay	
	Organic	
Aquatic Habitat	Wildlife Observed (Specie	es) Observed Use
Sand Bar	Waterfowl	Drinking
Sand/Gravel Beach Bar	🛛 Fish	Irrigation
Mud Bar		
	Turtles	
Overhanging	Frogs	Fishing
Trees/Shrubs	Invertebrates	🖂 Drainage
Cobble Riffles	Salamanders	Boating
Deep Ponds/Holes	Other:	Other:
Aquatic Vegetation		
Other		
Left Bank* Height and Slope	Right Bank*	Height and Slope
		∇ 0.200/ (0.110)
$\bigotimes 0-3' \qquad \bigotimes 0-20\% (0-11^\circ)$		\boxtimes 0-20% (0-11°)
3 -6' 21 -50% (12-2		21-50% (12-27°)
$6 - + 51 - 100\% (28 - 45^{\circ})$	6-+ 5	11-100% (28-45°)
	* Direction when facing down	nstream
	6	
Bank Substrate	Erosion Pote	ential Meander Gradient
Shale Sand		Low Gentle
	Low	
Bedrock Silt/Clay	Moderate	e 🛛 Moderate 🗍 Moderate

	Data Sheet No. <u>JJB-S4 2 of 2</u>
Stream Info. Continued	
Adjacent Community Type:_Fie	eld crops, forested wetland, upland forest
Dominant Vegetative Species:	
Trees: Sugar maple, red maple, o	elm
Shrubs: Common buckthorn, mu	iltiflora rose
Herbaceous: Spotted jewelweed	, burdock, Canada goldenrod, summer grape
	. 1 1
Estimated % of canopy closure of 0-25% 26-50%	
	51-75% 76-100%
	red species (fish, reptiles, or amphibians)? Yes (identify)
Regulatory Status	
State Protected	Corps Jurisdictional
Notes:	
Extends offsite.	
Sketch:.	



Project Nam	e NextEra Garno	et			Date	e 6/17/202	0		
Project Numbe	r				Evaluated B	y Nick DeJ	ohn		
Addres	s Montana Road	Conques	t, NY 1316	66	-				
	ngle(s): WEEDSP		·						
Stream Delinea	tion ID S-NSD-1		Stream N	Name					
	Stream Loc	ation							
(e.g. r	earest road, strue	ture) East	of Monta	na Road					
Presumed Regulator									
U.S. Army Corps	Ratio	onale:							
Stream Class	<u>(</u>	Dbserved Hy	drology			Wi	dth (ft	.) across Existing	Water 1.5
Perennial	Flow Dr		w 🗆 Mo	oderate	Flood Plair	,	, Meas	ure Bankfull Wi	dth (ft.)
Intermittent	Stage 🗆 Hi	gh 🗆 Flo	od		Present	? 🔳 No, Me	easure	Top of Bank Wi	dth (ft.)3
Ephemeral	Flow Direction	E			Wie	dth (ft.) acros	s Ordii	nary High Water	Mark* 2
Undetermined	Average Depth	1			*Ordinary High Water Mark Indicators				
<u>Streambed</u>	<u>Substrate</u>	<u>Chan</u>	nel Gradient	<u>t</u>	🗆 Natural Line	e Impressed o	on Banl	k 🗆 Scour	Wrack
□ Shale □	Sand	□ <2% (<1°) Gentle		□ Matted, bent, or Absent Vegetation □ Water Staining			r Staining	
□ Bedrock □	Organic	2 - 4%	6 (1 - 2°) Mo	derate	Soil Charact	er Change		🗆 Shelv	ing
□ Boulders □	Cobble/Gravel	□ 4 - 10	% (2 - 6°) St	еер	□ Terrestrial \	/egetation De	estroye	ed 🗖 Bed &	& Banks
🖬 Silt 🛛	Clay	□ >10%	(>6°) Very S	Steep	□ Disturbed/\	Washed-away	/ Leaf L	itter 🛛 Litter	& Debris
Other					Plant Comm	nunity Change	е	🗆 Sedin	nent Sorting
	Observed	Use			🗆 Multiple Ob	served Flow	Events	🗆 Dеро	sition
□ Boating □ S	hellfishing 🛛 Sv	vimming	□ Irrigation	ı		7	Nater (Quality	
□ Fishing ■D	orainage 🛛 🗆 Dr	inking	🗆 Aquacult	ture	🖬 Clear 🛛 🗆 T	urbid	🗆 Slig	htly Turbid	🗆 Very Turbid
Other					Comments				
<u> </u>	Bank Slope		Left*	Right*	<u>Bank Heig</u>	<u>ght (ft.)</u>		Bank Erosior	n Potential
0 - 8% (0 - 5	') Nearly Level - Ge	ntly Sloping	.X	Х	Left	* .5		Left*	Right*
8 - 15% (5 - 9	') Moderately Slop	ng			Right	* .5		Low X	X
15 - 25% (9 - 14	') Steeply Sloping				-		Mod	erate	
25 - 35% (14 - 20)	') Steep				* Direction w			High	
>35% (>20	') Very Steep				downstr	ream			
Ba	nk Substrate			<u>A</u>	<u>quatic Habitat</u>			Estimated (Canopy Closure
□ Shale □ Grave	el 🔲 Silt/Clay	□ Cobble	🗆 Aqua	tic Vegetati		Mud Bar		□ 0 - 10%	□ 50 - 60%
□ Bedrock □ Sand	🗆 Riprap	□ Organic		nanging Veg		Sand Bar		□ 10 - 20%	□ 60 - 70%
Other			🗆 Unde	rcut Banks		Riffle - Pool		20 - 30%	□ 70 - 80%
Comments			🗆 Grave			Plunge Pools		□30 - 40%	□ 80 - 90%
			🗆 Othe	r				□ 40 - 50%	□90 - 100%



Adjacent Community	_{y Type} Forest/Shrul	bland				
Percent Cover	Dominant Spe	cies_				
Trees 30	black cherry	/, basswood				
Shrubs 60	multiflora ro	se				
Herbaceous 30	jewelweed,	horsetail, curly do	ck, poison ivy, Virgir	ia creeper		
Woody Vines						
Bare Soil/Rock	Туре					
Impervious	Туре					
		Obse	rved Fauna			
Waterfowl	🗆 Fish	□ Salamanders	□ Mink	🗆 Other		
□ Snakes	□Frogs	□ Beaver	□ Otter			
□ Turtles	□ Toads	□ Muskrat	□ Invertebrates			
	Pre	esence of Rare, Threa	tened, or Endangered S	<u>pecies</u>		
🗆 No	□ Yes Species & I	Evidence				
Undetermined	t					
	Note	es (include weather, s	site access issues, culver	ts, etc.)		
Sunny and 90 degrees						
Sketch (Optional)						
					 	đ



Project Name	NextEra Garne	et				Date 6/17/202	0		
Project Number					Evaluat	ed By Nick DeJ	ohn		
Address	Montana Road	I Conques	t, NY 1316	66	-				
USGS Quadrang	gle(s): WEEDSP	ORT							
Stream Delineati	on ID S-NSD-2		Stream I	Name					
	Stream Loca	ation							
(eg ne	arest road, struc		of Monta	na Road					
Presumed Regulatory	Ratio	onale:							
U.S. Army Corps	□ State								
Stream Class	<u>(</u>	Observed Hy	drology			Wi	dth (ft.)	across Existin	g Water 0
Perennial	Flow 🗆 Dr		w 🗆 Me	oderate			, Measu	ire Bankfull W	idth (ft.)
□ Intermittent	Stage 🗆 Hi	gh 🗆 Flo	od		Pre	esent? 🔳 No, Me	easure T	Гор of Bank W	idth (ft.) 3.5
Ephemeral	Flow Direction	N			-	Width (ft.) acros	s Ordin	ary High Wate	r Mark* 2
Undetermined	Average Depth	0				*Ordinary Hig	gh Wate	er Mark Indica	tors
Streambed St	ubstrate	<u>Chanı</u>	nel Gradien	<u>t</u>	🗆 Natura	al Line Impressed o	on Bank	🗆 Scou	ır 🗆 Wrack
□ Shale □ S	and	□ <2% (<1°) Gentle		🗆 Matte	d, bent, or Absent	Vegeta	tion 🗆 Wat	er Staining
□ Bedrock □ C	Drganic	2 - 4%	б (1 - 2°) Мо	derate	🗆 Soil Ch	haracter Change		🗆 Shel	ving
□ Boulders ■ C	Cobble/Gravel	□ 4 - 10	% (2 - 6°) St	еер	□ Terres	trial Vegetation De	estroye	d 🖬 Bed	& Banks
□ Silt □ C	Clay	□ >10%	(>6°) Very 9	Steep	🗆 Distur	bed/Washed-away	/ Leaf Li	tter 🗆 Litte	r & Debris
Other					🗆 Plant (Community Change	e	🗆 Sedi	ment Sorting
	Observed	Use			🗆 Multip	le Observed Flow	Events	🗆 Dep	osition
□ Boating □ Sh	ellfishing 🛛 🗆 Sw	vimming	🗆 Irrigatio	n		7	Nater C	Quality	
□ Fishing ■Dr	ainage 🛛 🗆 Dr	inking	🗆 Aquaculi	ture	🗆 Clear	🗆 Turbid	🗆 Sligh	htly Turbid	🗆 Very Turbid
Other					Comments	i			
Ba	ink Slope		Left*	Right*	Banl	k Height (ft.)		Bank Erosic	n Potential
0 - 8% (0 - 5°)	Nearly Level - Ge	ntly Sloping			_	Left* 3		Left*	Right*
8 - 15% (5 - 9°)	х	_	Right* 1		Low	X			
15 - 25% (9 - 14°)		-		Mode	erate X				
25 - 35% (14 - 20°)		-	ion when facing		High				
>35% (>20°)		do	wnstream						
Ban	<u>A</u>	quatic Habi	<u>tat</u>		Estimated	Canopy Closure			
□ Shale □ Gravel					on	□ Mud Bar		□ 0 - 10%	□ 50 - 60%
□ Bedrock □ Sand	🗆 Riprap	□ Organic	🖬 Over	hanging Veg	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%
Other			🗆 Unde	ercut Banks		🗆 Riffle - Pool		□ 20 - 30%	□ 70 - 80%
Comments			🗆 Grave			Plunge Pools		■30 - 40%	□ 80 - 90%
			🗆 Othe	r				□ 40 - 50%	□90 - 100%



Adjacent Community T	ype Forest/Shrub	bland									
Percent Cover	Dominant Spec	Dominant Species									
Trees 30	black cherry	, white ash									
Shrubs 20	buckthorn										
Herbaceous 80	garlic musta	rd, nettle									
Woody Vines											
Bare Soil/Rock	Туре										
Impervious	Туре										
		Obse	rved Fauna								
Waterfowl	□ Fish	□ Salamanders	□ Mink	□ Other							
Snakes	□Frogs	□ Beaver	□ Otter	-							
□ Turtles	□ Toads	□ Muskrat	Invertebrates	-							
	Pre	sence of Rare, Threa	tened, or Endangered Sp	<u>becies</u>							
□ No □	□ No □ Yes Species & Evidence										
Undetermined											
	Note	s (include weather, s	ite access issues, culver	ts, etc.)							
Sunny and 90 degrees											
Sketch (Optional)											



Project Name	NextEra Garne	et				Date 6/18/2020	C		
Project Number					Evaluat	ted By Nick DeJ	ohn		
Address	Montana Road	Conques	t, NY 1316	66	-				
	gle(s): WEEDSP		,						
			Charles M						
Stream Delineat	ion ID S-NSD-3		Stream N	vame					
	Stream Loca	ation							
(e.g. ne	earest road, struc	ture) Wes	t of Monta	ina Road					
Presumed Regulatory									
U.S. Army Corps	☐ State	onale:							
Stream Class	<u>(</u>	Dbserved Hy	drology			Wi	dth (ft.)	across Existing	Water 2
Perennial	Flow Dr		w 🖬 Mo	oderate		a rium .	Measu	re Bankfull Wic	ith (ft.)
Intermittent	Stage 🗆 Hi	gh 🗆 Flo	ood		Pro			op of Bank Wic	
Ephemeral	Flow Direction				-	Width (ft.) acros	s Ordina	ary High Water	Mark* 3
□ Undetermined	Average Depth	2			=	*Ordinary Hig	gh Wate	r Mark Indicate	ors
<u>Streambed S</u>	<u>ubstrate</u>	<u>Chan</u>	nel Gradient	<u>t</u>	🖬 Natura	al Line Impressed o	n Bank	🗆 Scour	□ Wrack
□ Shale □ S	Sand		□ Matte	d, bent, or Absent	Vegetat	ion 🗆 Wate	r Staining		
Bedrock	Organic	□ 2 - 4%	% (1 - 2°) Mo	derate	🗆 Soil Cł	naracter Change		🗆 Shelvi	ing
□ Boulders □ 0	Cobble/Gravel	□ 4 - 10	0% (2 - 6°) St	eep	□ Terres	strial Vegetation De	estroyed	Bed 8	Banks
Silt 🖬 🤇	Clay	□ >10%	5 (>6°) Very S	Steep	🗆 Distur	bed/Washed-away	Leaf Lit	ter 🗆 Litter	& Debris
□ Other					🗆 Plant (Community Change	2	🗆 Sedim	nent Sorting
	Observed	Use			🗆 Multip	ole Observed Flow	Events	Depos	sition
□ Boating □ Sh	nellfishing 🛛 Sw	vimming	□ Irrigation	า		V	Vater Q	<u>uality</u>	
□ Fishing ■Dr	rainage 🗌 Dr	inking	🗆 Aquaculi	ture	🖬 Clear	🗆 Turbid	□ Sligh	tly Turbid	Very Turbid
□ Other					Comments	S			
Ba	ank Slope		Left*	Right*	Ban	k Height (ft.)		Bank Erosion	Potential
0 - 8% (0 - 5°)) Nearly Level - Ge	ntly Sloping			_	Left* 2.5		Left*	Right*
8 - 15% (5 - 9°)	Moderately Slopi	ng	Х	Х	-	Right* 2	l	_OW	
15 - 25% (9 - 14°)	15 - 25% (9 - 14°) Steeply Sloping						Mode	rate X	X
25 - 35% (14 - 20°)		-	ion when facing	F	ligh				
>35% (>20°)		do	ownstream						
Ban	-	quatic Habi	itat_		Estimated C	Canopy Closure			
□ Shale □ Gravel	□ Shale □ Gravel					□ Mud Bar		0 - 10%	□ 50 - 60%
□ Bedrock □ Sand	🗆 Riprap	□ Organic		hanging Veg	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%
□ Other			-	ercut Banks		□ Riffle - Pool		□ 20 - 30%	□ 70 - 80%
Comments			□ Grave			Plunge Pools		3 0 - 40%	□ 80 - 90%
			□ Othe	r				□ 40 - 50%	□90 - 100%



	Adjace	ent Com	munity	Type		0														
	Perc	cent Cov	er		Domi	nant S	pecie	<u>s</u>												
	Tre	ees 10			Gree	en asl	h													
	Shru	ıbs		•																
Her	rbacec	ous 40		-	sens	sitive	fern,	corn												
Woo	ody Vir	nes		•																
Bare S	Soil/Ro	ock		-	Туре															
Im	npervic	bus			Туре															
				-						Obse	erved F	auna								
		Waterfo	bwl		🗆 Fis	h		🗆 Sal	aman	ders		🗆 Mi	nk			□ Ot	her			
		Snakes			□Fro	gs		🗆 Be	aver			□ Ott	ter							
		Turtles			🗆 Тоа	ads		□ Mι	uskrat			🗆 Inv	erteb	rates				 	 	
							Prese	nce of	Rare,	Threa	itened	, or Er	Idange	ered S	pecies					
		No		□ Yes	s Sp	pecies										-				
		Undete			1-															
						N	otor (includ	0.14/02	ther i	sito ac		cuer.	culve	rts, etc	•)				
		90 deg					01001	merad	<u>e mea</u>	ther, t		000010	5465,	curren	,	<u></u>				
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Project Name	NextEra Garne	et				Date 6/18/2020	C		
Project Number					Evaluat	ted By Nick DeJ	ohn		
Address	Slayton Road	Conquest.	NY 13166	3	_				
USGS Quadrang		- 1 ,							
Stream Delineat			Stream N	Name					
	Stream Loca	ation							
(e.g. ne	earest road, struc	ture) Sou	th of Slayt	on Road					
Presumed Regulatory									
U.S. Army Corps	Ratio	onale:							
Stream Class	<u>(</u>)bserved Hy	<u>drology</u>			Wi	dth (ft.)) across Existing	Water 3.5
Perennial	Flow Dr		w 🖬 Mo	oderate				ure Bankfull Wic	· · ·
Intermittent	Stage 🗆 Hi		bod		Pro			Fop of Bank Wic	
Ephemeral	Flow Direction				-	Width (ft.) acros			
Undetermined	Average Depth	4			-	<u>*Ordinary Hig</u>	gh Wat	er Mark Indicato	<u>ors</u>
<u>Streambed S</u>		<u>Chan</u>	nel Gradient	<u>t</u>	🖬 Natur	al Line Impressed o	n Bank	□ Scour	🗆 Wrack
□ Shale □ S	Sand			d, bent, or Absent	Vegeta	tion 🗆 Wate	r Staining		
Bedrock 🗆 0	Organic	□ 2 - 49	% (1 - 2°) Mo	derate	🗆 Soil Cł	naracter Change		🗆 Shelvi	ng
□ Boulders □ 0	Cobble/Gravel	□ 4 - 10	0% (2 - 6°) St	eep	□ Terres	strial Vegetation De	estroye	d 🖬 Bed &	Banks
Silt 🖬 🤇	Clay	□ >10%	5 (>6°) Very S	Steep	🗆 Distur	bed/Washed-away	Leaf Li	itter 🛛 Litter	& Debris
□ Other					🗆 Plant 🕯	Community Change	2	🗆 Sedim	ent Sorting
	Observed	Use			🗆 Multip	ole Observed Flow	Events	Depos	sition
□ Boating □ Sh	ellfishing 🛛 Sw	vimming	□ Irrigation	า		V	Vater C	<u>Quality</u>	
□ Fishing ■Dr	ainage 🗌 Dr	inking	🗆 Aquaculi	ture	🖬 Clear	🗆 Turbid	□ Slig	htly Turbid	□ Very Turbid
□ Other					Comments	S			
Ba	ank Slope		Left*	Right*	<u>Ban</u>	k Height (ft.)		Bank Erosion	Potential
0 - 8% (0 - 5°)	Nearly Level - Ge	ntly Sloping			_	Left* 3.5		Left*	Right*
8 - 15% (5 - 9°)	Moderately Slopi	ng	Х	Х	_	Right* 8		Low	
15 - 25% (9 - 14°)	15 - 25% (9 - 14°) Steeply Sloping						Mode	erate X	
25 - 35% (14 - 20°)		-	ion when facing		High	Х			
>35% (>20°)		do	wnstream						
Ban	_	quatic Habi	itat		Estimated C	Canopy Closure			
Shale Gravel	Silt/Clay	Cobble	🗆 Aqua	tic Vegetati	on	□ Mud Bar		0 - 10%	□ 50 - 60%
Bedrock Sand	🗆 Riprap	□ Organic		hanging Veg	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%
Other			-	ercut Banks		🗆 Riffle - Pool		□ 20 - 30%	□ 70 - 80%
Comments			□ Grave			Plunge Pools		□30 - 40%	□ 80 - 90%
			□ Othe	r				□ 40 - 50%	□90 - 100%



	Adja	acent	Comr	nunity	/ Туре	Agric	ultur	е															
	P	ercen	t Cove	er		Domi	nant S	Specie	<u>s</u>														
	-	Trees																					
	Sł	nrubs			-																		
н	lerbac	eous	40		-	gold	enro	d, cor	'n														
w	oody	Vines			-																		
Bare	e Soil/	'Rock			-	Туре																	
1	mper	vious			-	Туре																	
											Obse	rved F	auna										
		🗆 Wa	aterfo	wl		🗆 Fis	h		🗆 Sal	aman	ders		🗆 Mi	nk			□ Ot	her					
		🗆 Sn	akes			□Fro	gs		🗆 Be	aver			□ Ot	ter									
		🗆 Tu	rtles			ПТо	ads		□ Mu	uskrat			🗆 Inv	rteb	rates								
								Prese	nce of	Rare,	Threa	tened	, or Er	ndange	ered S	pecies	<u>.</u>					 	
□ No □ Yes Species & Evidence																							
	Undetermined																						
							<u>N</u>	lotes (includ	e wea	ther, s	site ac	cess is	sues,	culver	ts, etc	.)						
Sunn	iy an	d 90	degr	ees													_						
	-																						
Skotob	. (Ont	ionall																					
Sketch	i (Opt	ional)	 			0																 	
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Project Name	e NextEra Garne	et			Date	6/18/202	0		
Project Numbe	r				Evaluated By	Nick DeJ	ohn		
Addres	s Spool Woods	Road Con	quest NY	13166	_				
	gle(s): WEEDSP		90000, 111	10100					
		OKI							
Stream Delineat	tion ID S-NSD-5		Stream N	Name					
	Stream Loca	ation							
(e.g. n	earest road, struc	cture) Wes	t of Spook	woods F	Road				
Presumed Regulator	y Authority								
U.S. Army Corps	Ratio	onale:							
Stream Class	<u>(</u>	Observed Hy	drology			Wi	dth (ft.) across Existing	Water 4
Perennial	Flow Dr		w 🖬 Mo	oderate	Flood Plain		, Meas	ure Bankfull Wid	lth (ft.)
Intermittent	Stage 🗆 Hi	gh 🗆 Flo	ood		Present?	🖬 No, Me	easure	Top of Bank Wid	lth (ft.) 10
Ephemeral	Flow Direction				Wid	th (ft.) acros	s Ordir	nary High Water	Mark* 5
□ Undetermined	Average Depth	2			-	*Ordinary Hi	gh Wat	ter Mark Indicato	<u>ors</u>
Streambed S	Substrate	<u>Chan</u>	nel Gradient	<u>t</u>	Natural Line	Impressed o	on Banl	 ✓ □ Scour 	□ Wrack
🗆 Shale 🛛 🗖	Sand	■ <2% ((<1°) Gentle		□ Matted, ben	t, or Absent	Vegeta	ation 🗆 Water	r Staining
□ Bedrock □	Organic	□ 2 - 4%	% (1 - 2°) Mo	derate	□ Soil Characte	er Change		🗆 Shelvi	ng
□ Boulders □	Cobble/Gravel	□ 4 - 10	0% (2 - 6°) St	eep	□ Terrestrial V	egetation De	estroye	ed 🔲 🖬 Bed &	Banks
□ Silt □	Clay	□ >10%	5 (>6°) Very S	Steep	□ Disturbed/W	/ashed-away	/ Leaf L		& Debris
□ Other		-			□ Plant Comm	unity Change	5	🗆 Sedim	ent Sorting
	Observed	Use			Multiple Obs	served Flow	Events	Depos	sition
□ Boating □ S	hellfishing 🛛 Sw	/imming	□ Irrigation	า		7	Nater (<u>Quality</u>	
-	rainage 🛛 Dr	inking	Aquacult	ture	🖬 Clear 🛛 Tu	ırbid	🗆 Slig	htly Turbid	□ Very Turbid
□ Other					Comments				
	ank Slope		Left*	Right*	Bank Heig			Bank Erosion	
) Nearly Level - Ge	, , , ,			Left*		-	Left*	Right*
8 - 15% (5 - 9°		Right*	4	-	Low				
15 - 25% (9 - 14°	Х	-		Mod	erate X	X			
25 - 35% (14 - 20°		* Direction wh downstre	, ,		High				
) Very Steep				_		<u> </u>		
Bar Shale Grave	<u>A</u> tic Vegetati	<u>quatic Habitat</u>	Mud Bar		Estimated C	anopy Closure			
Bedrock Sand	I Silt/Clay	□ Cobble □ Organic		hanging Veg		Sand Bar		■ 0 - 10%	□ 50 - 80%
□ Bedrock □ Sand	Li Mpi ap			ercut Banks	-	Riffle - Pool		□ 10 - 20% □ 20 - 30%	□ 00 - 70%
Comments						Plunge Pools		□ 20 - 30%	□ 70 - 30%
			□ Othe					□ 40 - 50%	□90 - 100%



Adjacent Community	_{y Type} Agriculture										
Percent Cover	Dominant Spe	Dominant Species									
Trees											
Shrubs											
Herbaceous 40	goldenrod, o	corn, soybean, ree	d canary grass								
Woody Vines											
Bare Soil/Rock	Туре										
Impervious	Туре										
		Obser	ved Fauna								
Waterfowl	🗆 Fish	□ Salamanders	□ Mink	□ Other							
□ Snakes	□Frogs	□ Beaver	□ Otter	-							
□ Turtles	□ Toads	🗆 Muskrat	□ Invertebrates	-							
	Pre	esence of Rare, Threat	ened, or Endangered Spe	<u>cies</u>							
🗆 No	□ Yes Species & I	Evidence									
Undetermined	t										
	Note	es (include weather, si	te access issues, culverts,	etc.)							
Sunny and 90 degrees.	Stream originates	from drain tiles.									
Sketch (Optional)											



Project Name	NextEra Garne	et				Date 6/18/2020)		
Project Number					Evaluat	ed By Nick DeJ	ohn		
Address	Spool Woods	Road Con	quest, NY	13166	-				
	sle(s): MONTEZ		<u> </u>						
Stream Delineati			Stream N	Jame					
Stream Denneat		tion	Jucanni						
	Stream Loca								
(e.g. ne	arest road, struc	ture) Wes	t of Spook	Woods F	Road				
Presumed Regulatory		onale: ——							
U.S. Army Corps	□ State	mule:							
Stream Class	<u>(</u>	bserved Hy	drology			Wie	dth (ft.) across Existing	Water 3
Perennial	Flow 🗆 Dr		w 🖬 Mo	oderate	Flood	l Plain 🛛 Yes,	Meas	ure Bankfull Wic	lth (ft.)
Intermittent	Stage 🛛 Hig	gh 🗆 Flo	ood		Pre	esent? 🔳 No, Me	asure	Top of Bank Wic	Ith (ft.) 6
Ephemeral	Flow Direction	S			-	Width (ft.) acros	s Ordir	ary High Water	Mark* 3.5
□ Undetermined	Average Depth	4				*Ordinary Hig	gh Wat	er Mark Indicato	ors
Streambed St	<u>ubstrate</u>	<u>Chan</u>	nel Gradient	<u>t</u>	🖬 Natura	al Line Impressed o	n Bank	s 🗆 Scour	U Wrack
□ Shale □ S	and	■ <2% (<1°) Gentle		□ Matte	d, bent, or Absent	Vegeta	ition 🗆 Wate	r Staining
□ Bedrock □ C	Drganic	🗆 2 - 4%	6 (1 - 2°) Mo	derate	🗆 Soil Ch	haracter Change		🗆 Shelvi	ng
□ Boulders □ C	Cobble/Gravel	□ 4 - 10	9% (2 - 6°) St	еер	□ Terres	trial Vegetation De	estroye	d 🖬 Bed &	Banks
Silt C	Clay	□ >10%	(>6°) Very S	Steep	🗆 Disturl	bed/Washed-away	Leaf L	itter 🛛 Litter	& Debris
Other					🗆 Plant (Community Change	9	🗆 Sedim	ent Sorting
	Observed	Use			🗆 Multip	le Observed Flow	Events	Depos	sition
□ Boating □ Sh	ellfishing 🛛 Sw	vimming	□ Irrigation	า		<u>v</u>	Vater (Quality	
□ Fishing ■Dr	ainage 🛛 🗆 Dr	inking	🗆 Aquacult	ture	🖬 Clear	🗆 Turbid	🗆 Slig	htly Turbid	□ Very Turbid
Other					Comments				
Ba	ink Slope		Left*	Right*	Bank	k Height (ft.)		Bank Erosion	Potential
0 - 8% (0 - 5°)	Nearly Level - Ge	ntly Sloping			-	Left* 2		Left*	Right*
8 - 15% (5 - 9°)	Moderately Slopi	ng			-	Right* 3		Low	
15 - 25% (9 - 14°)	Х	4		Mod	erate X	Х			
25 - 35% (14 - 20°)		-	ion when facing		High				
>35% (>20°)		do	wnstream						
<u>Ban</u> l	<u>A</u>	quatic Habi	<u>tat</u>		Estimated C	Canopy Closure			
□ Shale □ Gravel					on	□ Mud Bar		0 - 10%	□ 50 - 60%
□ Bedrock □ Sand	🗆 Riprap	□ Organic		hanging Veg	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%
□ Other				ercut Banks		Riffle - Pool		□ 20 - 30%	□ 70 - 80%
Comments			Grave			Plunge Pools		□30 - 40%	□ 80 - 90%
□ Other □ 40 - 50% □ 90 -									



Adjacent Comm	unity Type	Agricultu	re														
Percent Cove	<u>r</u>	Dominant Species															
Trees																	
Shrubs																	
Herbaceous 60		goldenro	d, hor	setai	l, phr	agmi	tes, s	uma	C								
Woody Vines																	
Bare Soil/Rock		Туре															
Impervious		Туре															
						<u>Obse</u>	rved F	auna									
Waterfov	/I	🗆 Fish		🗆 Sal	aman	ders		🗆 Mi	nk			□ Ot	her				
🗆 Snakes		□Frogs		🗆 Bea	aver			□ Ot	ter								
□ Turtles		□ Toads		ΠMι	ıskrat			🗆 Inv	rerteb	rates							
			Preser	nce of	Rare,	Threa	tened	, or Er	ndange	ered S	pecies	<u>.</u>					
🗆 No	🗆 Ye	s Specie	s & Evid	lence										 		 	
🖬 Undeterr	nined																
	Notes (include weather, site access issues, culverts, etc.)																
Sunny and 90 degre	es. Strea	am origina	tes fro	om dr	ain ti	les.											
Sketch (Optional)																	
														 	1	 	
															1	 	
													6	D	1		
														 	1	 	



Project Name	NextEra Garne	et				Date 6/22/202	0		
Project Number					Evaluat	ted By Nick DeJ	ohn		
Address	Slayton Road	Conquest,	NY 13166	6	_				
USGS Quadrang	le(s): VICTORY	,							
Stream Delineati	on ID S-NSD-7		Stream N	Name					
	Stream Loca	ation	-						
(eg ne	arest road, struc		h of Slavte	on Road					
			II OI Olayit	Shritoad					
Presumed Regulatory		onale: ——							
U.S. Army Corps	□ State				1				
Stream Class	<u>c</u>	Observed Hy	<u>drology</u>			Wi	dth (ft.) a	across Existing	Water 3
Perennial	Flow 🗆 Dr		w 🖬 Mo	oderate			, Measur	e Bankfull Wid	lth (ft.)
Intermittent	Stage 🗆 Hig	gh 🗆 Flo	ood		Pre			op of Bank Wid	· · ·
Ephemeral	Flow Direction				_	Width (ft.) acros		, 0	
Undetermined	Average Depth	4				*Ordinary Hig	gh Wate	r Mark Indicato	<u>ors</u>
Streambed Su	ubstrate	<u>Chan</u>	nel Gradient	<u>t</u>	🖬 Natura	al Line Impressed o	on Bank	🗆 Scour	U Wrack
□ Shale □ S	and		🗆 Matte	d, bent, or Absent	Vegetati	ion 🗆 Water	r Staining		
□ Bedrock □ C	Drganic	□ 2 - 4%	6 (1 - 2°) Mo	derate	🗆 Soil Ch	naracter Change		🗆 Shelvi	ing
□ Boulders □ C	Cobble/Gravel	□ 4 - 10	9% (2 - 6°) St	еер	□ Terres	trial Vegetation De	estroyed	Bed &	Banks
Silt	Clay	□ >10%	(>6°) Very S	Steep	🗆 Distur	bed/Washed-away	/ Leaf Lit	ter 🗆 Litter	& Debris
Other					🗆 Plant (Community Change	9	🗆 Sedim	ent Sorting
	Observed	Use			🗆 Multip	le Observed Flow	Events	Depos	sition
□ Boating □ Sh	ellfishing 🛛 Sw	vimming	□ Irrigation	n		<u>\</u>	Nater Qu	uality	
□ Fishing ■Dr	ainage 🛛 🗆 Dr	inking	🗆 Aquacult	ture	🖬 Clear	🗆 Turbid	□ Sligh	tly Turbid	□ Very Turbid
Other					Comments	S			
Ba	ink Slope		Left*	Right*	Banl	k Height (ft.)		Bank Erosion	Potential
0 - 8% (0 - 5°)	Nearly Level - Ge	ntly Sloping				Left* 3		Left*	Right*
8 - 15% (5 - 9°)	Moderately Slopi	ng				Right* 4	ι ι	.ow	
15 - 25% (9 - 14°)	15 - 25% (9 - 14°) Steeply Sloping X X						Moder	rate X	Х
25 - 35% (14 - 20°)		-	ion when facing	н	ligh				
>35% (>20°)		do	wnstream						
Banl	A	quatic Habi	<u>tat</u>		Estimated C	Canopy Closure			
□ Shale □ Gravel	■ Silt/Clay	Cobble	🗆 Aqua	tic Vegetati	on	□ Mud Bar		0 - 10%	□ 50 - 60%
□ Bedrock □ Sand	🗆 Riprap	□ Organic		hanging Ve	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%
□ Other				ercut Banks		□ Riffle - Pool		□ 20 - 30%	□ 70 - 80%
Comments			□ Grave			Plunge Pools		□30 - 40%	□ 80 - 90%
			🗆 Othe	r				□ 40 - 50%	□90 - 100%



Stream	Delineation	

Adjacent Community	_{y Type} Agriculture													
Percent Cover	Dominant Spe													
Trees														
Shrubs														
Herbaceous 60	goldenrod, horsetail, phragmites, sumac, rubus													
Woody Vines														
Bare Soil/Rock	Туре													
Impervious	Туре													
		Obse	erved Fauna											
Waterfowl	🗆 Fish	□ Salamanders	□ Mink	□ Other										
□ Snakes	□Frogs	□ Beaver	□ Otter											
□ Turtles	□ Toads	Muskrat	□ Invertebrates											
	Pr	esence of Rare, Threa	atened, or Endangered S	pecies										
□ No	□ Yes Species &	Evidence												
Undetermined	Ł													
	Not	tes (include weather,	site access issues, culver	rts, etc.)										
Sunny and 90 degrees.	Stream originates	s from drain tiles.												
Sketch (Optional)														
				D										
				D										
					Dunnun	D	D							
						1								
				0										



Project Name	NextEra Garne	et		Date 6/22/2020								
Project Number			Evaluated By Nick DeJohn									
Address Cooper St Conquest, NY 13166												
USGS Quadrangle(s): VICTORY												
Stream Delineati			Stream N	Name								
	Stream Loca	ation										
(e.g. ne	earest road, struc	ture) East	of Coope	r Street								
Presumed Regulatory		,										
U.S. Army Corps	☐ State	onale:										
Stream Class	<u>c</u>	bserved Hy	drology			Wi	dth (ft) across Existing	Water 3.5			
Perennial	Flow Dr		w 🖬 Mo	oderate		i i i i i i i i i i i i i i i i i i i	Meas	ure Bankfull Wic	lth (ft.)			
Intermittent	Stage 🗆 Hig	gh 🗆 Flo	od		Present? IN No, Measure Top of Bank Width (ft.) 6							
Ephemeral	Flow Direction				Width (ft.) across Ordinary High Water Mark* 5							
Undetermined Average Depth 6						*Ordinary High Water Mark Indicators						
Streambed St	Streambed Substrate Channel Gradient						Natural Line Impressed on Bank Scour Wrack					
□ Shale □ S	and	■ <2% (<1°) Gentle		□ Matted, bent, or Absent Vegetation □ Water Staining							
□ Bedrock □ C	Drganic	🗆 2 - 4%	6 (1 - 2°) Mo	derate	□ Soil Character Change □ Shelving							
□ Boulders □ C	Cobble/Gravel	□ 4 - 10	% (2 - 6°) St	еер	Terrestrial Vegetation Destroyed Bed & Banks							
Silt C	Clay	□ >10%	(>6°) Very S	Steep	□ Disturbed/Washed-away Leaf Litter □ Litter & Debris							
Other					Plant Community Change Sediment Sorting							
	<u>Observed</u>	Use			Multiple Observed Flow Events Deposition							
□ Boating □ Sh	ellfishing 🛛 Sw	imming	□ Irrigation	า		<u>v</u>	Vater	Quality				
□ Fishing ■Dr	ainage 🛛 Dr	inking	🗆 Aquacult	ture	🖬 Clear	🗆 Turbid	🗆 Slig	htly Turbid	□ Very Turbid			
Other					Comments							
Ba	ank Slope		Left*	Right*	<u>Bank</u>	< Height (ft.)		Bank Erosion	Potential			
0 - 8% (0 - 5°)	Nearly Level - Ge	ntly Sloping				Left* 2		Left*	Right*			
8 - 15% (5 - 9°)	Moderately Slopi	ng			_	Right* 2		Low				
15 - 25% (9 - 14°)	Steeply Sloping		Х	х			Mod	erate X	Х			
25 - 35% (14 - 20°)	Steep				-	* Direction when facing High						
>35% (>20°)	Very Steep				do	wnstream						
Ban	k Substrate			A	quatic Habi	<u>tat</u>		Estimated C	Canopy Closure			
□ Shale □ Gravel	Silt/Clay	□ Cobble	🗆 Aqua	tic Vegetati	on	□ Mud Bar		□ 0 - 10%	□ 50 - 60%			
Bedrock Sand	🗆 Riprap	Organic	🖬 Overl	nanging Veg	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%			
Other			🗆 Unde	rcut Banks		🗆 Riffle - Pool		□ 20 - 30%	7 0 - 80%			
Comments			🗆 Grave	el Bar		Plunge Pools		□30 - 40%	□ 80 - 90%			
□ Other □ 40 - 50% □ 90 - 1009								□90 - 100%				



/	Adjace	nt Comr	numity	Type	1 010																
Percent Cover Dominant Species																					
Trees 70					red maple, green ash																
Shrubs																					
Her	rbaceou	us 50			jewelweed, skunk cabbage																
Woo	dy Vine	es																			
Bare S	Soil/Roo	ck			Туре	Туре															
Im	perviou	JS			Туре																
						-				Obse	erved F	auna									
□ Waterfowl			□ Fish			□ Salamanders			🗆 Mi	nk			🗆 Ot	ner							
□ Snakes			Fro	gs		🗆 Be	aver											 	 		
		Turtles			ПТо			ΠMι	uskrat			🗆 Inv	erteb	rates						 	
															pecies					 	
	1 []	No		□ Yes	s si	oecies			nure,		u	, , , LI	Jungo		20103	•					
		Jndeter			5 51	Jeeres	a 200	ence												 	
		macter	mineu												rts, etc						
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		al)																			
Sunny ketch (C		al)																			
		al)																			



Project Name	NextEra Garne	et			Date 6/22/202	0					
Project Number	Evaluated By Nick DeJohn										
Address	Cooper St Cor	13166	_								
	gle(s): VICTORY	•	10100								
Stream Delineati	ion ID S-NSD-9		Stream N	Name							
	Stream Loca	ation									
(e.g. ne	earest road, struc	ture) East	of Coope	r Street							
Presumed Regulatory	Authority										
U.S. Army Corps	Ratio	onale: ——									
Stream Class	<u>(</u>	bserved Hy	drology			Wi	dth (ft.) across Existing	Water 4		
Perennial	Flow 🗆 Dr	y 🗆 Lov	w 🖬 Ma	oderate	Flood	Plain 🗆 Yes	, Measi	ure Bankfull Wic	lth (ft.)		
Intermittent	Stage 🗆 Hi	gh 🗆 Flo	od		Present? \blacksquare No, Measure Top of Bank Width (ft.) 6						
Ephemeral	Flow Direction	SE			Width (ft.) across Ordinary High Water Mark* 5						
□ Undetermined	*Ordinary High Water Mark Indicators										
Streambed Substrate Channel Gradient					■ Natural Line Impressed on Bank □ Scour □ Wrack						
□ Shale □ S	<1°) Gentle		□ Matted	Vegeta	egetation 🛛 Water Staining						
□ Bedrock □ 0	Drganic	□ 2 - 4%	6 (1 - 2°) Mo	derate	□ Soil Character Change □ Shelving						
□ Boulders □ 0	Cobble/Gravel	□ 4 - 10	% (2 - 6°) St	еер	□ Terrestrial Vegetation Destroyed ■ Bed & Banks						
Silt 🖬 🕻	Clay	□ >10%	(>6°) Very S	Steep	□ Disturbed/Washed-away Leaf Litter □ Litter & Debris						
Other					□ Plant Community Change □ Sediment Sorting						
	Observed	Use			Multiple Observed Flow Events Deposition						
□ Boating □ Sh	ellfishing 🛛 🗆 Sw	vimming	□ Irrigation	n	<u>Water Quality</u>						
□ Fishing ■Dr	ainage 🛛 🗆 Dr	inking	🗆 Aquacult	ture	🖬 Clear	🗆 Turbid	🗆 Slig	htly Turbid	🗆 Very Turbid		
Other					Comments						
Ba	ank Slope		Left*	Right*	Bank	Height (ft.)		Bank Erosion	Potential		
0 - 8% (0 - 5°)	Nearly Level - Ge	ntly Sloping			-	Left* 3		Left*	Right*		
8 - 15% (5 - 9°)	Moderately Slopi	ng			R	ight* 3		Low			
15 - 25% (9 - 14°)	Steeply Sloping		Х	Х	-		Mod	erate X	Х		
25 - 35% (14 - 20°)	Steep				-	* Direction when facing High					
>35% (>20°)	Very Steep				dow	vnstream					
Ban	k Substrate			<u>A</u>	quatic Habita				Canopy Closure		
	Silt/Clay	□ Cobble		tic Vegetati		🗆 Mud Bar		0 - 10%	□ 50 - 60%		
Bedrock Sand	🗆 Riprap	Organic		nanging Veg	getation	□ Sand Bar		□ 10 - 20%	□ 60 - 70%		
Other				rcut Banks		□ Riffle - Pool		□ 20 - 30%	□ 70 - 80%		
Comments			Grave			Plunge Pools		□30 - 40%	□ 80 - 90%		
			🗆 Othei	r				□ 40 - 50%	□90 - 100%		



Adjacent Community Typ	_{pe} Agriculture/Old fi	eld							
Percent Cover	Dominant Species								
Trees									
Shrubs									
Herbaceous 70	Corn, goldenrod	, rubus							
Woody Vines									
Bare Soil/Rock	Туре								
Impervious	Туре								
		Observed	Fauna						
Waterfowl	□ Fish □] Salamanders	□ Mink	□ Other					
Snakes	Frogs] Beaver	□ Otter						
□ Turtles	□ Toads □] Muskrat	□ Invertebrates						
	Presenc	e of Rare, Threatene	d, or Endangered Species	<u>5</u>					
🗆 No 🗆 Y	les Species & Evider	nce							
Undetermined									
	Notes (inc	clude weather, site a	ccess issues, culverts, etc	<u>c.)</u>					
Sunny and 90 degrees.									
Sketch (Optional)									
				······		·····			
				тт.					