



Project/Site: Garnet		City	/County: Port	Byron, Cayuga		Sampling Date: 20	20-June-17
Applicant/Owner: Next	Era			State: NY	<u> </u>	Sampling Point: W-N	SD-04; UPL-2
Investigator(s): Nick De	John, Bridgette Rooi	ney		Section, Township	, Range:		
Landform (hillslope, terra	ce, etc.): Hillslo	pe		Local relief (concave, con	vex, none):_	Convex	Slope (%): 2-5
Subregion (LRR or MLRA):	LRR L			Lat: 43.114182888	86 Long:	-76.6036883835	Datum: WGS84
Soil Map Unit Name: O	ntario Honeoye, and	d Lansing s	oils, 20 to 35 p	ercent slopes		NWI classificatio	n:
Are climatic/hydrologic co	nditions on the site	typical for	this time of ye	ar? Yes _∠_ No	o (If no	, explain in Remarks.))
Are Vegetation, So	il, or Hydro	logys	significantly dis	sturbed? Are "Norm	nal Circumst	ances" present?	Yes No
Are Vegetation, So	il, or Hydro	logyı	naturally probl	ematic? (If needed	, explain any	y answers in Remarks	i.)
SUMMARY OF FINDIN	GS – Attach site	map shov	wing samplir	ng point locations, tra	nsects. im	portant features.	etc.
				l			
Hydrophytic Vegetation F	'resent?	Yes					
Hydric Soil Present?		Yes	No 🟒	Is the Sampled Area with	in a Wetland	d? Ye	s No⁄_
Wetland Hydrology Prese	nt?	Yes	No <u></u> ✓	If yes, optional Wetland S	Site ID:		
Remarks: (Explain alterna	tive procedures her	re or in a se	eparate report				
 				•			
TRC covertype is UPL.							
•							
HYDROLOGY							
Wetland Hydrology Indica							
Primary Indicators (minin	<u>num of one is requi</u>	red; check	all that apply)		Secondary	/ Indicators (minimum	n of two required)
Surface Water (A1)		Wat	ter-Stained Lea	ives (B9)		e Soil Cracks (B6)	
High Water Table (A2)	ı		iatic Fauna (B1			ge Patterns (B10)	
Saturation (A3)			d Deposits (B1		Moss T	Гrim Lines (В16)	
Water Marks (B1)			lrogen Sulfide		-	ason Water Table (C2)
Sediment Deposits (B	2)	-	-	neres on Living Roots (C3)	-	sh Burrows (C8)	
Drift Deposits (B3)	_,		sence of Reduc	_		tion Visible on Aerial I	•
Algal Mat or Crust (B4	.)			tion in Tilled Soils (C6)		d or Stressed Plants (D1)
Iron Deposits (B5)	•		n Muck Surface			orphic Position (D2)	
Inundation Visible on	Aerial Imagery (B7)		er (Explain in F			w Aquitard (D3)	
Sparsely Vegetated Co	0,		(,		opographic Relief (D4	.)
					FAC-Ne	eutral Test (D5)	
Field Observations:							
Surface Water Present?	Yes	_No / _	Depth ((inches):			
Water Table Present?	Yes	_No _ _∕ _	Depth ((inches):	Wetland F	lydrology Present?	Yes No
Saturation Present?		_No ∠ _	Denth ((inches):	-	,	
		_ 110	Берин		-		
(includes capillary fringe)							· · · · · · · · · · · · · · · · · · ·
Describe Recorded Data	(stream gauge, mon	itoring wel	l, aerial photos	s, previous inspections), if	available:		
Remarks:							
nemarks.							

Tree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	0	(4)
. Juglans nigra	35	Yes	FACU	Are OBL, FACW, or FAC:		(A)
2. Prunus serotina	25	Yes	FACU	Total Number of Dominant Species	5	(B)
Fraxinus pennsylvanica	10	No	FACW	Across All Strata:		
. Acer saccharum	8	No	FACU	Percent of Dominant Species That	0	(A/B)
·				Are OBL, FACW, or FAC:		
				Prevalence Index worksheet:	N. A Hatimilia	D
				Total % Cover of: OBL species 0	Multiply x 1 =	-
	78	= Total Cov	er	· -	-	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)		_			x 2 =	40
. Rosa multiflora	15	Yes	FACU	FAC species 10	x 3 =	30
				FACU species 128	x 4 =	512
				UPL species 0	x 5 =	0
-				Column Totals 158	(A)	582 (B)
•				Prevalence Index = B/A =	3.7	
				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic	Vegetation	
		= Total Cov	or	2 - Dominance Test is > 50%		
lorb Stratum (Blot size) Eft)		_ 10tal COV	ei	3 - Prevalence Index is $\leq 3.0^{1}$		
<u>lerb Stratum</u> (Plot size: <u>5 ft</u>) . <i>Solidago altissima</i>	25	Voc	FACU	4 - Morphological Adaptation	s¹ (Provide	supporting
		Yes		data in Remarks or on a separate s		
. Rosa multiflora		Yes	FACU	Problematic Hydrophytic Veg	etation¹ (E>	plain)
3. Toxicodendron radicans	10	No	FAC	Indicators of hydric soil and wetla	,	gy must be
A. Onoclea sensibilis	10	<u>No</u>	FACW	present, unless disturbed or probl	ematic	
				Definitions of Vegetation Strata:		
j				Tree – Woody plants 3 in. (7.6 cm)		diameter a
⁷				breast height (DBH), regardless of	_	
3.				Sapling/shrub – Woody plants less		DBH and
)				greater than or equal to 3.28 ft (1 r		
0				Herb – All herbaceous (non-woody		gardless of
1				size, and woody plants less than 3.		20.6.
2				Woody vines – All woody vines gre	ater than 3	.28 ft in
	65	= Total Cov	er	height.		
Voody Vine Stratum (Plot size: <u>30 ft</u>)		_		Hydrophytic Vegetation Present?	Yes N	lo <u> /</u>
l.						
<u></u> !.						
3.						
l				•		
		= Total Cov	er	•		
		-				

Profile Desc	cription: (Describe to	o the d	epth needed to d	ocun	nent the i	indicato	or confirm the	absence of indicator	rs.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Tex	kture	Remarks
0 - 15	10YR 3/2	98	7.5YR 4/4	2	С	М	Silty Cl	ay Loam	
				_					
							-		
				_					
				-					
				-					
				_					
				· —					
				. —					
		. <u> </u>							
<u>1</u> Type: C = C	oncentration, D = D	Pepletion	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. ²	Location: PL = Pore	Lining, M = Matrix.
Hydric Soil I	ndicators:							Indicators for Pro	oblematic Hydric Soils³:
Histosol			Polyvalue Be					2 cm Muck (A	(10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su				-		Redox (A16) (LRR K, L, R)
Black Hi	` '		Loamy Muck			(LRR K, I	-)	5 cm Mucky F	Peat or Peat (S3) (LRR K, L, R)
,	en Sulfide (A4)		Loamy Gleye					Dark Surface	(S7) (LRR K, L)
	d Layers (A5)	(444	Depleted Ma					Polyvalue Be	low Surface (S8) (LRR K, L)
	d Below Dark Surfa	ce (A I I						Thin Dark Su	rface (S9) (LRR K, L)
	ark Surface (A12) lucky Mineral (S1)		Depleted Da			,		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
	ileyed Matrix (S4)		Redox Depre	:33101	15 (1-0)			Piedmont Flo	odplain Soils (F19) (MLRA 149B)
-	edox (S5)							Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)
-								Red Parent M	
	d Matrix (S6)		OD)					Very Shallow	Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	LKA 14	98)					Other (Explai	n in Remarks)
3Indicators	of hydrophytic vege	tation	and wetland hyd	rolog	y must be	e preser	t, unless disturb	ed or problematic.	
Restrictive I	ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No/_
	Depth (inches):			•					
Remarks:									
l la alala ka al									
Unable to d	ig past 15 inches du	ue to ro	oots om the slope	!					

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet	City/County: Port	t Byron, Cayuga	Sampling Date: 2020-June-18		
Applicant/Owner: NextEra		State: NY	Sampling Point: W-N	SD-05; PFO-1	
Investigator(s): Nick DeJohn, B	ridgette Rooney	Section, Township, Rar	nge:		
Landform (hillslope, terrace, etc.)): Swale	Local relief (concave, convex,	none):Flat	Slope (%): 0-1	
Subregion (LRR or MLRA): L	.RR L	Lat: 43.1167880679	Long: -76.6072901712	Datum: WGS84	
Soil Map Unit Name: Appleton	n and Lyons soils, 0 to 3 percent slope	S	NWI classification	on:	
Are climatic/hydrologic condition	ns on the site typical for this time of ye		(If no, explain in Remarks.))	
Are Vegetation, Soil,	or Hydrology significantly di		ircumstances" present?	Yes No	
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed, exp	olain any answers in Remarks	5.)	
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, transe	cts, 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 II	VV-I	NSD-05	
Remarks: (Explain alternative pro	ocedures here or in a separate report	()			
TRC covertype is PFO.					
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of	one is required; check all that apply)		condary Indicators (minimun	n of two required)	
Surface Water (A1)	Water-Stained Le	aves (B9)	Surface Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B1	13) —	Drainage Patterns (B10)		
∕ Saturation (A3)	Marl Deposits (B1	5)	Moss Trim Lines (B16)	`	
Water Marks (B1)	Hydrogen Sulfide	()dor((1)	Dry-Season Water Table (C2 Crayfish Burrows (C8))	
Sediment Deposits (B2)	Oxidized Rhizosp	neres on Living Roots (C3)	Saturation Visible on Aerial	Imagery (C9)	
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Stunted or Stressed Plants (
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D2)	<i>-</i> . ,	
Iron Deposits (B5)	Thin Muck Surfac	e (C/)	Shallow Aquitard (D3)		
Inundation Visible on Aerial I		Remarks)	Microtopographic Relief (D4	.)	
Sparsely Vegetated Concave	Surface (B8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present?	Yes No _ _/ Depth	(inches):			
Water Table Present?	Yes No Depth	(inches): We	etland Hydrology Present?	Yes No	
Saturation Present?	Yes _ ✓ No Depth	(inches): 4			
(includes capillary fringe)					
	n gauge, monitoring well, aerial photo	s provious inspections) if avail	lable:	·	
Describe Recorded Data (stream	r gauge, monitoring wen, aeriai prioto	s, previous irispections), ir avai	iable.		
Remarks:					

<u> </u>		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species Tha	t 4	(4)
. Fraxinus pennsylvanica	40	Yes	FACW	Are OBL, FACW, or FAC:	4	(A)
2. Populus deltoides	15	Yes	FAC	Total Number of Dominant Specie	s 4	(B)
3. Ulmus rubra	8	No	FAC	Across All Strata:		
1.				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
5				Prevalence Index worksheet:	-	,
ō				Total % Cover of:	Multiply I	Bv:
7				OBL species 0	x 1 =	0
	63	= Total Cov	er	FACW species 130	x 2 =	260
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species 58	x 3 =	174
1. Rhamnus cathartica	25	Yes	FAC	FACU species 0	x 4 =	0
2. Viburnum dentatum	5	No	FAC	UPL species 0	_ x5=	0
3				Column Totals 188	_ (A)	434 (B)
1.				Prevalence Index = B/A		+3+ (b)
5.				-		
5				Hydrophytic Vegetation Indicators		
7.				1- Rapid Test for Hydrophytic	vegetation	
	30	= Total Cov	er	2 - Dominance Test is >50%	•	
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u>)		_		3 - Prevalence Index is ≤ 3.0		
1. Onoclea sensibilis	75	Yes	FACW	4 - Morphological Adaptation data in Remarks or on a separate		supporting
2. Impatiens capensis	15	No	FACW	Problematic Hydrophytic Ve		nlain)
3. Toxicodendron radicans	5	No	FAC	Indicators of hydric soil and wetla	-	
1.				present, unless disturbed or prob	, .	gy must be
-				Definitions of Vegetation Strata:	iematic	
				Tree – Woody plants 3 in. (7.6 cm)	or more in a	liamotor a
				breast height (DBH), regardless of		nameter a
				Sapling/shrub – Woody plants less	_	BH and
				greater than or equal to 3.28 ft (1		Dirana
				Herb – All herbaceous (non-wood		ardless of
				size, and woody plants less than 3		,
11				Woody vines – All woody vines gre		28 ft in
2				height.		
	95	_= Total Cov	er	Hydrophytic Vegetation Present?	Yes / N	0
Noody Vine Stratum (Plot size: <u>30 ft</u>)				i i jai sprijae i sgetation i resenti	.05	
·				-		
2						
3.				.		
				.		
4	0	= Total Cov	er	1		

	cription: (Describe	to the de				ndicato	or confirm the a	absence of indicators	5.)
Depth _	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Te:	xture	Remarks
0 - 5	10YR 3/1	100		_			Sand	ly Loam	
5 - 18	10YR 3/1	98	5YR 4/4	2	C	M	Sandy (Clay Loam	
				_					
				_					
				_				-	
				_					
<u> </u>				_					
				_					
				_					
				_					
				_					
¹Type: C = C	Concentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. 21	Location: PL = Pore L	ining, M = Matrix.
Hydric Soil I	Indicators:							Indicators for Pro	blematic Hydric Soils ³ :
Histosol			Polyvalue Bel	ow S	urface (S	8) (LRR I	R. MLRA 149B)		•
	oipedon (A2)		Thin Dark Sur						10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Mucky						Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed			. ,	•	•	eat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mat					Dark Surface (
	d Below Dark Surfa								ow Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted Dar						face (S9) (LRR K, L)
Sandy M	lucky Mineral (S1)		Redox Depre	ssior	ns (F8)				se Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)								odplain Soils (F19) (MLRA 149B)
-	ledox (S5)								(TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)							Red Parent Ma	
	rface (S7) (LRR R, N	AI DA 140	ופו						Dark Surface (TF12)
Dark Su	11ace (37) (LKK K, K	ALKA 14:	76)					Other (Explain	in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must be	e presen	t, unless disturb	ed or problematic.	
Restrictive I	_ayer (if observed):	:							
	Type:		None			Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:						1			
Remarks.									
]									

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Por	t Byron, Cayuga	Sampling Date: 2020-June-18			
Applicant/Owner: NextEra			State: NY		Sampling Point: W-N	ISD-05; UPL-1	
Investigator(s): Nick DeJohn, E	3ridgette Rooney		Section, Township,	, Range:			
Landform (hillslope, terrace, etc	.): Agricultur	al Field	Local relief (concave, conv	vex, none):_	Undulating	Slope (%): 0-1	
Subregion (LRR or MLRA):	LRR L		Lat: 43.116843220	08 Long:	-76.60742227	Datum: WGS84	
Soil Map Unit Name: Appleto	n and Lyons soils	, 0 to 3 percent slope	S		NWI classification	on:	
Are climatic/hydrologic condition				o (If no	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrolog	y significantly di	sturbed? Are "Norm	nal Circumst	ances" present?	Yes No	
Are Vegetation, Soil,	or Hydrolog	y naturally prob	lematic? (If needed,	, explain any	y answers in Remarks	5.)	
SUMMARY OF FINDINGS -	Attach site ma	p showing sampli	ng point locations, tra	nsects, im	portant features,	etc.	
Hydrophytic Vegetation Presen	+2 V ₄	es No _ _/ _	1				
			la tha Camania d Anaaith	: \A/-+	Ja V-	a Na (
Hydric Soil Present?		es No	Is the Sampled Area with		ur re	s No⁄_	
Wetland Hydrology Present?	Ye	es No / _	If yes, optional Wetland S	Site ID:	<u> </u>		
Remarks: (Explain alternative p	rocedures here o	r in a separate repor	t)				
TRC covertype is UPL.							
3.							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum o	f one is required	check all that annly)		Secondary	Indicators (minimun	n of two required)	
1 Timary indicators (minimum o	r one is required,	check all that apply)		-	e Soil Cracks (B6)	iroi two requirea)	
Surface Water (A1)		Water-Stained Le			ge Patterns (B10)		
High Water Table (A2)		Aquatic Fauna (B			rim Lines (B16)		
Saturation (A3)		Marl Deposits (B1			ason Water Table (C2)	
Water Marks (B1)		Hydrogen Sulfide		-	h Burrows (C8)		
Sediment Deposits (B2)			heres on Living Roots (C3)	Saturat	tion Visible on Aerial	lmagery (C9)	
Drift Deposits (B3)		Presence of Redu	• •	Stunte	d or Stressed Plants (D1)	
Algal Mat or Crust (B4)			ction in Tilled Soils (C6)	Geomo	orphic Position (D2)		
Iron Deposits (B5) Inundation Visible on Aerial	Imagon (P7)	Thin Muck Surfac Other (Explain in		Shallov	v Aquitard (D3)		
	0 ,	Other (Explain in	Remarks)	Microto	opographic Relief (D4	1)	
Sparsely Vegetated Concave	: Surface (Bo)			FAC-Ne	eutral Test (D5)		
Field Observations:							
Surface Water Present?	Yes No	Depth	ı (inches):	_			
Water Table Present?	Yes No	Depth	(inches):	Wetland H	lydrology Present?	Yes No ∠	
Saturation Present?	Yes No	Denth	(inches):	_			
	103 110			-			
(includes capillary fringe)						 -	
Describe Recorded Data (stream	n gauge, monitor	ing well, aerial photo	s, previous inspections), if	available:			
Remarks:							

·				Danis and Task and delegate		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
1.				Total Number of Dominant Species		
2.				Across All Strata:	1	(B)
3				Percent of Dominant Species That		
4				Are OBL, FACW, or FAC:	0	(A/B)
5				Prevalence Index worksheet:	-	
6				Total % Cover of:	Multiply	Bv:
7				- OBL species 0	x 1 =	0
	0	= Total Cove	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1				FACU species 0	x 4 =	0
2				UPL species 20	x 5 =	100
3				- Column Totals 20	(A)	100 (B)
4.				Prevalence Index = B/A =		(=)
5				Hydrophytic Vegetation Indicators:		
6.				1- Rapid Test for Hydrophytic	Vogotation	
7				2 - Dominance Test is > 50%	vegetation	ı
	0	= Total Cove	er	3 - Prevalence Index is ≤ 3.01		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological Adaptations	1 (Provide	sunnorting
1. Zea mays	20	Yes	UPL	data in Remarks or on a separate s		supporting
2				- Problematic Hydrophytic Vege		xplain)
3				¹Indicators of hydric soil and wetlar		-
4				present, unless disturbed or proble	-	8,
5.				Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm) o	r more in	diameter at
7.				breast height (DBH), regardless of h		
8.				Sapling/shrub – Woody plants less	than 3 in. [DBH and
9.				greater than or equal to 3.28 ft (1 m	າ) tall.	
10.				Herb – All herbaceous (non-woody)		gardless of
11.				size, and woody plants less than 3.2		
12.				Woody vines – All woody vines grea	iter than 3	.28 ft in
	20	= Total Cove	er	height.		
Woody Vine Stratum (Plot size:30 ft)		-		Hydrophytic Vegetation Present?	Yes N	No 🔽
1.						
2.						
3.				-		
4.				-		
	0	= Total Cove	er	-		
		-				
Remarks: (Include photo numbers here or on a se	parate sheet.)					

Profile Desc Depth	ription: (Describe t Matrix	to the de	epth needed to de Redox			indicato	r or confirm the a	absence of indicators.)	
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Te	exture	Remarks
0 - 14	10YR 3/2	100	Color (moist)		Турс			Clay Loam	Kemarks
	1011(3/2	100		_			Suridy	ciay Loaiii	
				-			-		
				-					
				_			-		
				- —					
				- —					
				_				·	
				_					
¹Type: C = C	oncentration. D = I	Depletio	n. RM = Reduced	Mati	rix. MS =	Masked	Sand Grains. 2	Location: PL = Pore Lin	ling. M = Matrix.
Hydric Soil I		- ср.сс.о	.,		,		54.14 5.41.15.		ematic Hydric Soils³:
Histosol			Polyvalue Bel	ow S	iurfaca (S	2) /I DD	D MIDA 1/OR)		•
	ipedon (A2)		Polyvalue Bei) (LRR K, L, MLRA 149B)
Black Hi			Loamy Mucky						dox (A16) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleye			(LIXIX IX)	-,	•	at or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Mat					Dark Surface (S	
	d Below Dark Surfa				•			•	V Surface (S8) (LRR K, L)
	rk Surface (A12)		Depleted Dar)		Thin Dark Surfa	
Sandy M	lucky Mineral (S1)		Redox Depre						e Masses (F12) (LRR K, L, R)
	leyed Matrix (S4)				, ,				plain Soils (F19) (MLRA 149B)
-	edox (S5)								46) (MLRA 144A, 145, 149B)
_	l Matrix (S6)							Red Parent Mat	
	rface (S7) (LRR R, M	II RA 1 <i>4</i> 0	ar)					Very Shallow Da	
Duik su	14cc (57) (ERR 14, 14	ILIU (I T.	,,,,					Other (Explain i	n Remarks)
			and wetland hydr	olog	y must be	e preser	nt, unless disturb	ed or problematic.	
Restrictive L	.ayer (if observed):								
	Type:		None	_,		Hydric	Soil Present?	`	res No <u>_</u> ✓
	Depth (inches):								
Remarks:									
Unable to d	ig past 14 inches d	ue to ro	cks in ag field						

Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Garnet	City/County: Por	t Byron, Cayuga	Sampling Date: 202	20-June-18
Applicant/Owner: NextEra		State: NY	Sampling Point: W-NS	SD-06; PFO-1
Investigator(s): Nick DeJohn, E	Bridgette Rooney	Section, Township, Ra	ange:	
Landform (hillslope, terrace, etc): Depression	Local relief (concave, convex	c, none): Concave	Slope (%): 0-1
Subregion (LRR or MLRA):	LRR L	Lat: 43.1117256079	Long: -76.6065574252	Datum: WGS84
Soil Map Unit Name: Niagara	and Canandaigua silt loams		NWI classification	n:
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ear? Yes _✓_ No _	(If no, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology significantly di	isturbed? Are "Normal	Circumstances" present?	Yes No
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed, ex	kplain any answers in Remarks.	.)
	Attach site map showing sampli	ng point locations, trans	ects, important features, o	etc.
Hydrophytic Vegetation Presen	t? Yes <u></u> ✓ 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-N	ISD-06
TRC covertype is PFO.				
Wetland Hydrology Indicators: Primary Indicators (minimum of the primary Indicators (Presence of Redu Recent Iron Redu Thin Muck Surfac Imagery (B7) Other (Explain in	aves (B9) 13) Odor (C1) heres on Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7) Remarks)	econdary Indicators (minimum Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial II Stunted or Stressed Plants (E Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic (D4)	magery (C9) 01)
Field Observations:			✓ FAC-Neutral Test (D5)	
Surface Water Present?	Yes No Depth	ı (inches):		
Water Table Present?			Vetland Hydrology Present?	Yes No
	·		vedanu riyurulugy Present?	1C3 INU
Saturation Present?	Yes No Depth	i (inches):		
(includes capillary fringe)				
Remarks:	m gauge, monitoring well, aerial photo	is, previous inspections), ii av	allable:	

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksh Number of Dominant S		3	(A)
1. Fraxinus pennsylvanica	40	Yes	FACW	Are OBL, FACW, or FAC:			(A)
2.				Total Number of Domin	ant Species	3	(D)
3.				Across All Strata:			(B)
4.				Percent of Dominant Sp	ecies That	100	(A /D)
· -				Are OBL, FACW, or FAC:		100	(A/B)
5				Prevalence Index works	heet:		
6				Total % Cover	of:	Multiply	<u>Bv:</u>
7				OBL species	0	x 1 =	0
	40	= Total Cove	er	FACW species	115	x 2 =	230
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	15	x3=	45
1.				FACU species	0	_	0
2.				_ · · · · -		x 4 =	
3.				UPL species	0	x 5 = _	0
4.				Column Totals	130	(A)	275 (B)
5.				Prevalence In	dex = B/A =	2.1	
-				Hydrophytic Vegetation	Indicators:		
6				1- Rapid Test for H	vdrophytic V	egetation	
7				2 - Dominance Tes		Ü	
	0	_= Total Cove	er	✓ 3 - Prevalence Inde			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological		(Provide	sunnorting
1. Onoclea sensibilis	50	Yes	FACW	data in Remarks or on a			supporting
2. Impatiens capensis	25	Yes	FACW	Problematic Hydro			nlain)
3. Equisetum arvense	15	No	FAC	Indicators of hydric soi	. , .	-	
4.				present, unless disturbe			gy must be
5.				<u>-</u>		Hatic	
				Definitions of Vegetatio			
6				Tree – Woody plants 3 in			diameter at
7				breast height (DBH), reg	-	_	
8				Sapling/shrub - Woody			DBH and
9.				greater than or equal to			
10				Herb – All herbaceous (gardless of
11.				size, and woody plants			
12.				Woody vines – All wood	y vines great	ter than 3.	28 ft in
	90	= Total Cove	er	height.			
Woody Vine Stratum (Plot size: 30 ft)		-		Hydrophytic Vegetation	Present?	∕es <u> </u>	lo
1.							
2				•			
2.							
3							
4							
	0	_= Total Cove	er				
Remarks: (Include photo numbers here or on a separa	ate sheet)			_			
The marks. (metade prioco nambers here or on a separe	ace street.,						

Profile Desc	cription: (Describe t	o the d	epth needed to d	ocun	nent the i	ndicato	or confirm the	absence of indicators.)	
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		Texture	Remarks
0 - 20	10YR 3/1	98	10YR 4/4	2	С	M	Org ma	tter Silty Clay Loam	
				_			-		
				_					
				_					
				_			-		
				· —					
				· —			-		
				· —			-		
				. —					
<u>1</u> Type: C = C	Concentration, D = D	Pepletion	on, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore Lining, N	1 = Matrix.
Hydric Soil								Indicators for Problemat	ic Hydric Soils³:
Histosol	` '		Polyvalue Be					2 cm Muck (A10) (LRF	R K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su					Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck	-		(LRR K,	-)	5 cm Mucky Peat or F	Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7) (LRI	R K, L)
	d Layers (A5)	(Depleted Ma					Polyvalue Below Surf	ace (S8) (LRR K, L)
	d Below Dark Surfa ark Surface (A12)	ce (ATI	Depleted Dark					Thin Dark Surface (SS	
	fucky Mineral (S1)		Redox Depre			'		Iron-Manganese Mas	ses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		Redox Depre	33101	15 (1-0)			Piedmont Floodplain	Soils (F19) (MLRA 149B)
-	ledox (S5)							Mesic Spodic (TA6) (N	ILRA 144A, 145, 149B)
_								Red Parent Material (F21)
	d Matrix (S6)	I DA 14	OD)					Very Shallow Dark Su	rface (TF12)
Dark Su	rface (S7) (LRR R, M	LKA 14	98)					Other (Explain in Ren	narks)
3Indicators	of hydrophytic vege	tation	and wetland hydr	olog	y must be	e preser	t, unless disturb	ed or problematic.	
Restrictive I	_ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No
	Depth (inches):			-					
Remarks:						ı			

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Garnet		City/County: Port	Byron, Cayuga	Sampling Date: 2020-June-18		
Applicant/Owner: NextEra			State: NY		Sampling Point: W-N	ISD-06; UPL-1
Investigator(s): Nick DeJohn, B	ridgette Rooney		Section, Township,	Range:		
Landform (hillslope, terrace, etc.)	: Hillslope		Local relief (concave, conv	ex, none):	Convex	Slope (%): 1-10
Subregion (LRR or MLRA): L	RR L		Lat: 43.111893078	4 Long:	-76.6065377277	Datum: WGS84
Soil Map Unit Name: Niagara a	and Canandaigua si	ilt loams			NWI classification	on:
Are climatic/hydrologic condition		-		(If no	o, explain in Remarks.)
Are Vegetation, Soil,		significantly dis			tances" present?	Yes No
Are Vegetation, Soil,	or Hydrology	naturally probl	ematic? (If needed,	explain an	y answers in Remarks	5.)
SUMMARY OF FINDINGS – A	ttach site map s	showing samplir	ng point locations, trar	nsects, im	portant features,	etc.
Hydrophytic Vegetation Present	? Yes	No _ _ _				
Hydric Soil Present?		No	Is the Sampled Area within	n a Wetlan	ıd? Ve	s No⁄_
			i		u: ic	.3 140 <u>_</u> /_
Wetland Hydrology Present?	· · · · · · · · · · · · · · · · · · ·	No	If yes, optional Wetland Si	ite ID:		
Remarks: (Explain alternative pro	ocedures here or in	a separate report)			
TRC covertype is UPL. Old skid re	oad					
HYDROLOGY						
THE NOTE OF THE PERSON OF THE						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; ch	eck all that apply)		-	<u>y Indicators (minimun</u>	n of two required)
Surface Water (A1)		Water-Stained Lea	aves (B9)		e Soil Cracks (B6)	
High Water Table (A2)		Aquatic Fauna (B1		Drainage Patterns (B10) Moss Trim Lines (B16)		
Saturation (A3)		Marl Deposits (B1	5)	Moss min Lines (B16) Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrogen Sulfide	Odor (C1)	-	sh Burrows (C8)	.)
Sediment Deposits (B2)		Oxidized Rhizosph	neres on Living Roots (C3)	-	ation Visible on Aerial	Imagen/(C9)
Drift Deposits (B3)		Presence of Reduc			ed or Stressed Plants (•
Algal Mat or Crust (B4)			ction in Tilled Soils (C6)		orphic Position (D2)	,51)
Iron Deposits (B5)		Thin Muck Surface			w Aquitard (D3)	
Inundation Visible on Aerial I	0 ,	Other (Explain in F	Remarks)		topographic Relief (D4	1)
Sparsely Vegetated Concave	Surface (B8)				eutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No	✓ Depth ((inches):			
Water Table Present?	Yes No _	✓ Depth ((inches):	Wetland I	Hydrology Present?	Yes No _ ✓
Saturation Present?	Yes No _,		(inches):	-	, ω	·
	ies ivo	у Берин		-		
(includes capillary fringe)						
Describe Recorded Data (stream	ı gauge, monitoring	g well, aerial photos	s, previous inspections), if a	available:		
Remarks:						

		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant S		1	(A)
. Acer saccharum	65	Yes	FACU	Are OBL, FACW, or FAC:			
·				Total Number of Domir Across All Strata:	nant Species	3	(B)
·				Percent of Dominant S ₁ Are OBL, FACW, or FAC		33.3	(A/B)
5				Prevalence Index works			
·				Total % Cover		Multiply I	Rv.
·				- OBL species	0	x 1 =	0
	65	= Total Cove	r	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)				FAC species	25	x3=	75
·				FACU species	130	x 4 =	520
·				UPL species	0	x5=	0
·				Column Totals	155	(A)	595 (B)
				Prevalence Ir		_	393 (B)
							
				Hydrophytic Vegetation			
				1- Rapid Test for H		egetation/	
	0	= Total Cove	r	2 - Dominance Te			
lerb Stratum (Plot size: <u>5 ft</u>)		-		3 - Prevalence Ind			
. Parthenocissus quinquefolia	45	Yes	FACU	4 - Morphological			supporting
. Toxicodendron radicans	25	Yes	FAC	data in Remarks or on	•		
. Rosa multiflora	10	No	FACU	Problematic Hydr			
. Acer saccharum	10	No	FACU	Indicators of hydric so		-	gy must be
. Neer Saceriaran			17100	present, unless disturb		TIALIC	
				Definitions of Vegetation			
· · · · · · · · · · · · · · · · · · ·				Tree – Woody plants 3 i breast height (DBH), re			nameter a
-				Sapling/shrub – Woody			RH and
1				greater than or equal to	-		Dirana
				Herb – All herbaceous (ardless of
0				size, and woody plants			,
1				Woody vines – All wood			28 ft in
2				height.	, 0		
	90	= Total Cove	r	Hydrophytic Vegetatio	n Present? \	/es N	0
•				-			
·				- 1			
·							
Voody Vine Stratum (Plot size: 30 ft)							

Profile Desc	cription: (Describe t	o the de				ndicato	r or confirm the a	absence of indicator	rs.)	
Depth _	Matrix		Redox	Feat	tures					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0 - 14	7.5YR 3/3	100					Silty Cl	ay Loam		
				_				-		
				_						
				_						
				_						
				_						
				_						
				_						
				_						
				_						
<u>1</u> Type: C = C	oncentration, D = I	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore	Lining, M = Matrix.	
Hydric Soil I	ndicators:							Indicators for Pro	oblematic Hydric Soils³:	
Histosol			Polyvalue Bel					2 cm Muck (A	.10) (LRR K, L, MLRA 149B)	
	oipedon (A2)		Thin Dark Sur					Coast Prairie Redox (A16) (LRR K, L, R)		
Black Hi	` '		Loamy Mucky			(LRR K, I	_)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
	en Sulfide (A4)		Loamy Gleyed					Dark Surface (S7) (LRR K, L)		
	d Layers (A5)		Depleted Mat					Polyvalue Below Surface (S8) (LRR K, L)		
	d Below Dark Surfa							Thin Dark Surface (S9) (LRR K, L)		
	ark Surface (A12)		Depleted Dar)		Iron-Manganese Masses (F12) (LRR K, L, R)		
	flucky Mineral (S1)		Redox Depre	55101	15 (F0)			Piedmont Flo	odplain Soils (F19) (MLRA 149B)	
-	ileyed Matrix (S4)							Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)	
_	edox (S5)							Red Parent M	laterial (F21)	
	d Matrix (S6)							Very Shallow Dark Surface (TF12)		
Dark Su	rface (S7) (LRR R, M	ILRA 149)B)					Other (Explain	n in Remarks)	
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must be	e preser	it, unless disturb	ed or problematic.		
Restrictive I	ayer (if observed):									
	Type:		None			Hydric	Soil Present?		Yes No/_	
	Depth (inches):	-								
Remarks:										
Unable to d	ig past 14 inches d	ue to ro	cks and roots							
0114510 10 4										

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet	City/County:_	Port Byron, Cayuga	Sampling Date: 202	20-June-18
Applicant/Owner: NextEra		State: NY	Sampling Point: W-NS	SD-07; PUB-1
Investigator(s): Nick DeJohn, E	Bridgette Rooney	Section, Township,	Range:	
Landform (hillslope, terrace, etc.	.): Depression	Local relief (concave, conv	ex, none): Concave	Slope (%): 0-1
Subregion (LRR or MLRA):	LRR L	Lat: 43.130962788	2 Long: -76.6222013254	Datum: WGS84
Soil Map Unit Name: Water			NWI classification	n:
Are climatic/hydrologic condition	ns on the site typical for this time o	of year? Yes <u></u> ✓ No	(If no, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology significantl	ly disturbed? Are "Norm	al Circumstances" present?	Yes 🟒 No
Are Vegetation, Soil,	or Hydrology naturally p	roblematic? (If needed,	explain any answers in Remarks.)
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present?	Attach site map showing sam t? Yes No Yes No Yes No	Is the Sampled Area withi	in a Wetland? Yes	No SD-07
	rocedures here or in a separate re		W-1V	13D-07
TRC covertype is PUB.				
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum o	of one is required; check all that app	ply)	Secondary Indicators (minimum	of two required)
✓ Surface Water (A1)	Water-Stained	d Leaves (B9)	Surface Soil Cracks (B6)	
✓ High Water Table (A2)	Aquatic Fauna	a (B13)	Drainage Patterns (B10)	
✓ Saturation (A3)	Marl Deposits	s (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sul		Crayfish Burrows (C8)	
Sediment Deposits (B2)		ospheres on Living Roots (C3)	✓ Saturation Visible on Aerial Ir	magery (C9)
Drift Deposits (B3)		educed Iron (C4) eduction in Tilled Soils (C6)	Stunted or Stressed Plants (D	01)
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent from Ri Thin Muck Su	·	✓ Geomorphic Position (D2)	
✓ Inundation Visible on Aerial			Shallow Aquitard (D3)	
Sparsely Vegetated Concave	· · · · · · · · · · · · · · · · · · ·	THI Remarks)	Microtopographic Relief (D4)	
			✓ FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present?		epth (inches): 48		
Water Table Present?	Yes No De	epth (inches): 0	Wetland Hydrology Present?	Yes No
Saturation Present?	Yes No De	epth (inches):		
(includes capillary fringe)				
Remarks:	m gauge, monitoring well, aerial ph	iotos, previous inspections, in	TVallable.	

minant Indicator necies? Status otal Cover	Dominance Test worksh Number of Dominant Sp Are OBL, FACW, or FAC: Total Number of Domina Across All Strata: Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index worksl Total % Cover of OBL species FACW species FAC species FACU species	ecies That ant Species ecies That	1 1 100 Multiply E x 1 = x 2 =	(A) (B) (A/B) 87 10
otal Cover	Total Number of Domina Across All Strata: Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index worksl Total % Cover of OBL species FACW species FAC species	neet: 87 5	1 100 Multiply E x 1 = _ x 2 = _	(B) (A/B) (A/B)
otal Cover	Across All Strata: Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index worksl Total % Cover c OBL species FACW species FAC species	neet: 87 5	100 Multiply E x 1 = x 2 =	(A/B) 8y: 87
otal Cover	Across All Strata: Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index worksl Total % Cover c OBL species FACW species FAC species	neet: 87 5	100 Multiply E x 1 = x 2 =	(A/B) 8y: 87
otal Cover	Are OBL, FACW, or FAC: Prevalence Index worksl Total % Cover c OBL species FACW species FAC species	neet: <u>sf:</u> 87 5	Multiply E x 1 = x 2 =	87
otal Cover	Are OBL, FACW, or FAC: Prevalence Index worksl Total % Cover c OBL species FACW species FAC species	neet: <u>sf:</u> 87 5	Multiply E x 1 = x 2 =	87
otal Cover	Prevalence Index worksl Total % Cover of OBL species FACW species FAC species	of: 87 5	x 1 =	87
otal Cover	Total % Cover c OBL species FACW species FAC species	of: 87 5	x 1 =	87
otal Cover	OBL species FACW species FAC species	87 5	x 1 =	87
otal Cover	FACW species FAC species	5	x 2 =	
	FAC species		_	10
	<u> </u>	0		
	FACU species		x 3 =	0
		0	x 4 =	0
	 UPL species 	0	x 5 =	0
	Column Totals	92	(A)	97 (B)
	Prevalence Inc	lex = B/A =	1.1	
	Hydrophytic Vegetation			
	' ' '			
			egetation	
otal Cover				
	3 - Prevalence Inde	x is ≤ 3.0^{1}		
Vec ORI	, ,			upporting
	data in Remarks or on a	separate sh	eet)	
	Problematic Hydro	phytic Veget	ation¹ (Exp	olain)
No FACW	Indicators of hydric soil	and wetland	l hydrolog	y must be
No OBL	present, unless disturbe	d or problen	natic	
	Definitions of Vegetation	Strata:		
	Tree - Woody plants 3 in	. (7.6 cm) or	more in d	iameter at
				BH and
	I			ardless of
			_	araicss or
				08 ft in
	-	viries great	: triair 5.2	20 10 111
otal Cover				
	Hydrophytic Vegetation	Present? Y	es 🟒 No	o
	_			
	_			
	-			
otal Cover	-			
111	Yes OBL NO OBL NO FACW OBL	tal Cover /es OBL NO OBL NO FACW NO OBL NO	tal Cover /es OBL NO OBL NO FACW NO OBL Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or breast height (DBH), regardless of he Sapling/shrub – Woody plants less the greater than or equal to 3.28 ft (1 m) Herb – All herbaceous (non-woody) psize, and woody vines – All woody vines greater theight.	Tes OBL NO OBL Problematic Hydrophytic Vegetation¹ (Explications) (Explications

Profile Desc	ription: (Describe to	the o	depth needed to			indicato	or confirm the a	absence of indicators.)
(inches)	Color (moist)	<u></u> %	Color (moist)	%		Loc ²	Texture	Remarks
(inches)	Color (moist)	90	Color (IIIoist)	- 90	Type ¹	LOC	rexture	Remarks
		_		- —				
		_		- —				
		_		- —				
		_					_	
		_		- —				
		_		- —				
		_						
		_		- —				
		_						
		_		- —				
		_		- —				
		_						
¹Type: C = C	oncentration, D = D	eplet	ion, RM = Reduce	d Ma	trix, MS =	Masked	Sand Grains. ² l	Location: PL = Pore Lining, M = Matrix.
Hydric Soil I	ndicators:							Indicators for Problematic Hydric Soils ³ :
Histosol			-				R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark S					Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Mucl	-		(LRR K, I	.)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gley					Dark Surface (S7) (LRR K, L)
	d Layers (A5)	- (44	Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surfac ork Surface (A12)	e (A I	Depleted Da			'\		Thin Dark Surface (S9) (LRR K, L)
	lucky Mineral (S1)		Redox Depr)		Iron-Manganese Masses (F12) (LRR K, L, R)
_	leyed Matrix (S4)		Redox Depi	C3310	115 (1-0)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	edox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_								Red Parent Material (F21)
	l Matrix (S6)	D 4 1	40D)					Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, MI	_KA I	498)					_✓ Other (Explain in Remarks)
3Indicators	of hydrophytic vege	tatior	and wetland hyd	Irolog	gy must b	e preser	t, unless disturb	ped or problematic.
Restrictive L	ayer (if observed):							
	Type:		None			Hydric	Soil Present?	Yes No
	Depth (inches):			_				
Remarks:		_						
Due to inun	dation a clear soil p	rofile	was unobtainabl	e. Soi	ls are ass	sumed to	be hydric.	
Dac to man	aa				.5 4. 6 455	, ca ca	20y ae.	

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot









Project/Site: Garnet		City/County: Port	Byron, Cayuga	Sampling Date: 202	0-June-18
Applicant/Owner: Next	Era		State: NY	Sampling Point: W-NS	D-07; UPL-1
Investigator(s): Nick DeJ	ohn, Bridgette Roon	ey	Section, Township,	Range:	
Landform (hillslope, terrac	e, etc.): Hillslop	e	Local relief (concave, conv	ex, none): Convex	Slope (%): 2-5
Subregion (LRR or MLRA):	LRR L		Lat: 43.130798209	5Long:76.6221966316	Datum: WGS84
Soil Map Unit Name: Ap	ppleton and Lyons so	oils, 0 to 3 percent slopes		NWI classification	:
Are climatic/hydrologic co	nditions on the site t	ypical for this time of yea	ar? Yes 🟒 No	(If no, explain in Remarks.)	
Are Vegetation, Soi	l, or Hydrolo	ogy significantly dis	turbed? Are "Norma	al Circumstances" present?	∕es ∕ _ No
Are Vegetation, Soi	l, or Hydrolo	ogy naturally proble	ematic? (If needed,	explain any answers in Remarks.)	
SLIMMARY OF FINDING	GS – Attach site m	nan showing samnlin	og noint locations tran	nsects, important features, e	tc
			g point locations, trai	isces, important reactives, e	
Hydrophytic Vegetation P	resent?	Yes No			
Hydric Soil Present?		Yes No	Is the Sampled Area withi	n a Wetland? Yes	No <u>_</u>
Wetland Hydrology Prese	nt?	Yes No	If yes, optional Wetland Si	te ID:	
Remarks: (Explain alterna	tive procedures here		<u> </u>	-	
Remarks. (Explain alterna	ave procedures here	or in a separate report,			
					ļ
TRC covertype is UPL.					
HYDROLOGY					
Wetland Hydrology Indica	itors:				
Primary Indicators (minim		ed: check all that apply)		Secondary Indicators (minimum	of two required)
Trimary marcators (minim	tarr or one is require	ca, cricci all triat apply,		Surface Soil Cracks (B6)	or two required,
Surface Water (A1)		Water-Stained Lea		Drainage Patterns (B10)	
High Water Table (A2)		Aquatic Fauna (B1		Moss Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B15		Dry-Season Water Table (C2)	
Water Marks (B1)		Hydrogen Sulfide (Crayfish Burrows (C8)	
Sediment Deposits (B2	2)	·	eres on Living Roots (C3)	Saturation Visible on Aerial In	nagery (C9)
Drift Deposits (B3)		Presence of Reduc		Stunted or Stressed Plants (D	-
Algal Mat or Crust (B4))		tion in Tilled Soils (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	A a wi a L I wa a wa w . (D.7)	Thin Muck Surface		Shallow Aquitard (D3)	
Inundation Visible on	0,	Other (Explain in R	emarks)	Microtopographic Relief (D4)	
Sparsely Vegetated Co	oncave Surface (B8)			FAC-Neutral Test (D5)	
Field Observations:					_
Surface Water Present?	Yes	No Depth (inches):		
Water Table Present?	Yes	No <u>✓</u> Depth (inches).	Wetland Hydrology Present?	Yes No _ _ ✓
				Wedana riyarology r resent.	.65115
Saturation Present?	Yes	No Depth (inches):		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monit	toring well, aerial photos	, previous inspections), if a	available:	
Remarks:					
Remarks.					

•						
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That	0	(A)
1				Are OBL, FACW, or FAC:		
2				Total Number of Dominant Species Across All Strata:	3	(B)
3				Percent of Dominant Species That		
4				- Are OBL, FACW, or FAC:	0	(A/B)
5.						
6.				Prevalence Index worksheet:	N.A. alasian la c	D
7.				Total % Cover of:	<u>Multiply</u>	-
		= Total Cov	er	OBL species 0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		-		FACW species 0	x 2 =	0
				FAC species 0	x 3 =	0
				FACU species 90	x 4 =	360
				- UPL species 0	x 5 =	0
3.				- Column Totals 90	(A)	360 (B)
4				Prevalence Index = B/A =	4	_
5				Hydrophytic Vegetation Indicators:		,
6.				1- Rapid Test for Hydrophytic	Vegetation	2
7				2 - Dominance Test is > 50%	vegetation	'
	0	= Total Cov	er	3 - Prevalence Index is $\leq 3.0^{\circ}$		
Herb Stratum (Plot size: 5 ft)					1 (Duanida	
1. Plantago lanceolata	40	Yes	FACU	4 - Morphological Adaptations - data in Remarks or on a separate sl		supporting
2. Taraxacum officinale	25	Yes	FACU	- Problematic Hydrophytic Vege		volain)
3. Trifolium repens	25	Yes	FACU	Indicators of hydric soil and wetlar		
4. Poaceae	15	No	NI	present, unless disturbed or proble	-	igy must be
5.				· · · · · · · · · · · · · · · · · · ·	matic	
6.				Definitions of Vegetation Strata:		
7.				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
-				breast height (DBH), regardless of h	_	DDUd
8.				Sapling/shrub - Woody plants less to greater than or equal to 3.28 ft (1 m		рвн апо
9				- I -		
10				Herb – All herbaceous (non-woody) size, and woody plants less than 3.2		gardiess of
11				Woody vines – All woody vines grea		20 ft in
12				height.	ter trian 5	0.20 IL III
		= Total Cov	er			
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes N	Vo <u> </u>
1.						
2.						
3.				-		
4.				-		
		= Total Cov	er	-		
Remarks: (Include photo numbers here or on a sep	arate sheet.)					

Profile Des	cription: (Describe	to the d				indicato	r or confirm the	absence of indi	cators.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ure	Remarks
0 - 18	10YR 4/3	100					Sandy	Loam	
				_					
				_					
	_			_			-		
				_					
				_					
				_					
				_					
				_					
				_					
				_					
1Typo: C = (Consontration D =	Doplotic	DM = Doducod			Maskad	Cand Crains 3	Placation, DL = I	Dara Lining M = Matrix
	Concentration, D =	pepietio	on, Kivi – Keduced	widt	1X, IVIS =	iviaskeo	i sanu Grains. 4		Pore Lining, M = Matrix.
Hydric Soil			51	_		.0. // ==	D 141 D1 1100	indicators fo	or Problematic Hydric Soils³:
Histoso			•				R, MLRA 149B)	2 cm Mu	ıck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Sur					Coast Pr	airie Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Mucky			(LRR K,	L)	5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed					Dark Sur	rface (S7) (LRR K, L)
	d Layers (A5)		Depleted Mat					Polyvalu	e Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ace (ATT						Thin Dar	k Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)			nganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depres	ssior	ıs (F8)				nt Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)							Mesic Sr	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)								ent Material (F21)
Strippe	d Matrix (S6)								allow Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, N	ILRA 14	9B)					-	xplain in Remarks)
3Indicators	of hydrophytic veg	etation	and wetland hydr	പ്രത	v must h	a nracar	nt unless disturk		•
-			and Wedand nyan	olog.	y must b	e preser	it, uriless distart	bed of problems	atic.
Restrictive	Layer (if observed):						5 115		
	Type:		None			Hydric	Soil Present?		Yes No <u>_</u>
	Depth (inches):								
Remarks:									

Vegetation Photos



Soil Photos



Photo of Sample Plot









Project/Site: Garnet		City/County: Port	Byron, Cayuga		Sampling Date: 20	20-June-18
Applicant/Owner: NextEra			State: NY		Sampling Point: W-N	ISD-08; PEM-1
Investigator(s): Nick DeJohn, Br	idgette Rooney		Section, Township,	Range:		
Landform (hillslope, terrace, etc.):	Depression		Local relief (concave, conv	/ex, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLRA): LF	RR L		Lat: 43.129243534	l1 Long:	-76.6221952905	Datum: WGS84
Soil Map Unit Name: Niagara a	ınd Canandaigua sil	t loams			NWI classification	on:
Are climatic/hydrologic conditions	on the site typical	for this time of yea	ar? Yes No	_ ∠ (If no,	explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology	significantly dis	turbed? Are "Norm	al Circumst	tances" present?	Yes No
Are Vegetation, Soil,	or Hydrology	naturally proble	ematic? (If needed,	explain an	y answers in Remarks	5.)
SUMMARY OF FINDINGS – A	ttach site map sl	howing samplir	ng point locations, tra	nsects, im	nportant features,	etc.
Hydrophytic Vegetation Present?					·	
Hydric Soil Present?	Yes	<u>∕_</u> No	Is the Sampled Area with	in a Wetlan	d? Yes	No
Wetland Hydrology Present?	Yes	<u> </u>	If yes, optional Wetland S	ite ID:	W-I	NSD-08
Remarks: (Explain alternative pro			•			
TRC covertype is PEM. Drought						
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of	one is required; che	eck all that apply)		Secondary	y Indicators (minimun	n of two required)
Surface Water (A1)	,	Water-Stained Lea	ves (R9)	Surfac	e Soil Cracks (B6)	
High Water Table (A2)		Aquatic Fauna (B1)			ige Patterns (B10)	
Saturation (A3)		Marl Deposits (B15			Trim Lines (B16)	
Water Marks (B1)	!	Hydrogen Sulfide (Odor (C1)	-	eason Water Table (C2	2)
Sediment Deposits (B2)		Oxidized Rhizosph	eres on Living Roots (C3)	-	sh Burrows (C8) tion Visible on Aerial	Imagery (C9)
Drift Deposits (B3)		Presence of Reduc			ed or Stressed Plants (
Algal Mat or Crust (B4)			tion in Tilled Soils (C6)		orphic Position (D2)	,טוי
Iron Deposits (B5)		Thin Muck Surface			w Aquitard (D3)	
Inundation Visible on Aerial I		Other (Explain in R	lemarks)		opographic Relief (D4	1)
Sparsely Vegetated Concave S	surface (B8)				eutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No	<u>✓</u> Depth (inches):	_		
Water Table Present?	Yes No	<u>✓</u> Depth (inches):	Wetland H	Hydrology Present?	Yes No
Saturation Present?	Yes No	<u>✓</u> Depth (inches):			
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring	well, aerial photos	, previous inspections), if	available:		
		.,	,,,			
Remarks:						
nemarks.						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)							
		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant S		2	(A)
1.				Are OBL, FACW, or FAC	:	2	(A)
2.				Total Number of Domi	nant Species	2	(D)
3.				Across All Strata:		2	(B)
4.				Percent of Dominant S	pecies That	100	(A (D)
· · 	- ——			Are OBL, FACW, or FAC	:	100	(A/B)
5				Prevalence Index work	sheet:	·	
6				Total % Cover	of:	Multiply	By:
7				OBL species	 50	x 1 =	- 5 -
	0	= Total Cov	er	FACW species	45	x 2 =	90
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x3=	0
1.						_	
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 = _	0
4.				Column Totals	95	(A)	140 (B)
				Prevalence Ir	ndex = B/A =	1.5	
5				Hydrophytic Vegetation	n Indicators:		
6				✓ 1- Rapid Test for I		/egetation	
7				✓ 2 - Dominance Te		-50-1411-011	
	0	= Total Cov	er	✓ 3 - Prevalence Inc			
Herb Stratum (Plot size: <u>5 ft</u>)						1 (Drovido	cupporting
1. <i>Typha angustifolia</i>	40	Yes	OBL	4 - Morphological			supporting
2. Symphyotrichum novae-angliae	30	Yes	FACW		•	-	on La ton V
3. Impatiens capensis	15	No	FACW	Problematic Hydi	. , .	-	
4. Lythrum salicaria	10	No	OBL	¹Indicators of hydric so			gy must be
			OBL	present, unless disturb		matic	
5				Definitions of Vegetation			
6				Tree – Woody plants 3	in. (7.6 cm) oı	r more in o	diameter at
7				breast height (DBH), re	gardless of h	eight.	
8				Sapling/shrub - Woody			BH and
9.				greater than or equal t	o 3.28 ft (1 m) tall.	
10.				Herb – All herbaceous	(non-woody)	plants, reg	gardless of
11				size, and woody plants	less than 3.2	8 ft tall.	
				Woody vines - All woo	dy vines great	ter than 3.	28 ft in
12		= Total Cov		height.			
W 1 15 5 4 (B) 4 1 20 5 3	95	_ 10tal Cov	er	Hydrophytic Vegetatio	n Present?	es 🖊 N	lo
Woody Vine Stratum (Plot size: <u>30 ft</u>)				I iyar opiliyare vegetatio	in reserie.	.cs_ <u>v</u>	
1							
2							
3							
3	0	= Total Cov	er				

Profile Des	cription: (Describe t	o the d	epth needed to d	ocun	nent the	indicato	r or confirm the	absence of indicate	ors.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks
0 - 18	10YR 2/2	95	7.5YR 4/6	5	C	М	Silty Cla	ay Loam	
		. — .							
		· — ·					-		
							-		
	_	· — ·							
				_					
				_					
							·		
¹Type: C = C	Concentration, D = D	Depletio	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. ²	Location: PL = Pore	e Lining, M = Matrix.
Hydric Soil					•				Problematic Hydric Soils ³ :
Histoso			Polyvalue Be	low S	urface (S	8) (LRR	R, MLRA 149B)		•
	oipedon (A2)		Thin Dark Su						(A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muck						e Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye				•		/ Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma						te (S7) (LRR K, L)
Deplete	d Below Dark Surfa	ce (A11							elow Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	rk Su	rface (F7))			urface (S9) (LRR K, L)
Sandy N	lucky Mineral (S1)		Redox Depre	essior	ns (F8)				nese Masses (F12) (LRR K, L, R) loodplain Soils (F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)								
Sandy R	Redox (S5)								ic (TA6) (MLRA 144A, 145, 149B)
Stripped	d Matrix (S6)							Red Parent	w Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, M	LRA 14	9B)						
								•	ain in Remarks)
3Indicators	of hydrophytic vege	etation	and wetland hyd	rolog	y must b	e preser	nt, unless disturb	ed or problematic	
Restrictive I	Layer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									

Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Garnet	City/County:_ F	Port Byron, Cayuga	Sampling Date: 2020-June-18		
Applicant/Owner: NextEra		State: NY	Sampling Poin	t: W-NSD-08; PFO-1	
Investigator(s): Nick DeJohn, Bi	ridgette Rooney	Section, Township,	Range:		
Landform (hillslope, terrace, etc.)	Swamp	Local relief (concave, conv	ex, none): Concave	Slope (%): 0-1	
Subregion (LRR or MLRA):	RR L	Lat: 43.131177281	1 Long: -76.61909666	85 Datum: WGS84	
Soil Map Unit Name: Lamson	mucky fine sandy loam		NWI class	sification:	
Are climatic/hydrologic condition	s on the site typical for this time o	-	(If no, explain in Re	marks.)	
Are Vegetation, Soil,	or Hydrology significantly	y disturbed? Are "Norma	al Circumstances" presen	t? Yes 🟒 No	
Are Vegetation, Soil,	or Hydrology naturally p	roblematic? (If needed,	explain any answers in R	emarks.)	
SUMMARY OF FINDINGS – A	attach site map showing sam	pling point locations, tran	nsects, important fea	tures, etc.	
			14/-4/12	Von d. No	
Hydric Soil Present?	Yes No	Is the Sampled Area withi		Yes/_ No	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:	W-NSD-08	
TRC covertype is PFO.					
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of Surface Water (A1)	one is required; check all that app		Surface Soil Cracks (E	-	
High Water Table (A2)	Aquatic Fauna	(B13)	Drainage Patterns (B		
Saturation (A3)	Marl Deposits	(B15)	Moss Trim Lines (B16 Dry-Season Water Ta		
Water Marks (B1)	Hydrogen Sulf		Crayfish Burrows (C8		
Sediment Deposits (B2)		ospheres on Living Roots (C3)	Saturation Visible on		
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Re		Stunted or Stressed I	Plants (D1)	
Algai Mat of Crust (B4) Iron Deposits (B5)	Recent from Re Thin Muck Sur	eduction in Tilled Soils (C6)	Geomorphic Position		
Inundation Visible on Aerial I			Shallow Aquitard (D3		
✓ Sparsely Vegetated Concave:		in Kemarks)	Microtopographic Re		
			✓ FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present?	·	oth (inches):			
Water Table Present?	Yes No Dep	oth (inches):	Wetland Hydrology Pres	ent? Yes No	
Saturation Present?	Yes No 🟒 Dep	oth (inches):			
(includes capillary fringe)					
Describe Recorded Data (stream	gauge, monitoring well, aerial ph	otos, previous inspections), if a	available:		
Remarks:					

	Dominant Species?	Indicator Status	Dominance Test works Number of Dominant S		4	(4)
80	Yes	FACW	Are OBL, FACW, or FAC			(A)
10	No	FAC		nant Species	4	(B)
				pecies That		
					100	(A/B)
			Prevalence Index work	sheet:		
			<u>Total % Cover</u>	of:	Multiply I	<u>Зу:</u>
90	= Total Cov	ar .	OBL species	0	x 1 =	0
	-	-1	· -	115	x 2 =	230
15	Voc	EΔCW	FAC species	25	x 3 =	75
	163	TACW	FACU species	0	x 4 =	0
			- UPL species	0	x 5 =	0
			Column Totals	140	(A)	305 (B)
			Prevalence Ir	ndex = B/A =	2.2	
			Hydrophytic Vegetation	n Indicators:	•	<u>.</u>
			1 , , ,		/egetation	
			•		2801411011	
15	= Total Cov	er				
					¹ (Provide s	sunnorting
20	Yes	FACW			-	, a p p o
12	Yes	FAC				olain)
3	No	FAC	-			
			-		-	y masc be
			-		Tidele	
			_		r moro in c	liameter a
			- , ,			nameter a
						RH and
	·			-		Diranu
			_ ~			ardlass of
						ai diess oi
						28 ft in
			=	ay viries great	ter triair 5	2011111
35	= Total Cov	er				
			Hydrophytic Vegetatio	n Present?	res N	0
_			=			
			-			
			-			
			- - -			
	90 15 15 20 12 3	10 No 90 = Total Cove 15 Yes 15 = Total Cove 20 Yes 12 Yes 3 No	10 No FAC 90 = Total Cover 15 Yes FACW 15 = Total Cover 20 Yes FACW 12 Yes FAC 3 No FAC	Total Number of Dominant S Are OBL, FACW, or FAC Prevalence Index work Total % Cover OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence In Hydrophytic Vegetation 1- Rapid Test for N 2 - Dominance Te 20 Yes FACW 12 Yes FAC 3 No FAC 3 No FAC 1 Indicators of hydric so present, unless disturb Definitions of Vegetatic Tree – Woody plants 3 breast height (DBH), re Sapling/shrub – Woody greater than or equal therb – All herbaceous size, and woody plants Woody vines – All wood height	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species 0 FACW species 115 FAC species 0 UPL species 0 UPL species 0 Column Totals 140 Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 15 Yes FACW 12 Yes FACW 12 Yes FAC 3 No FAC 110 Total Number of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of: OBL species 0 FACW species 0 UPL species 0 Column Totals 140 Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Strata: The Problematic Hydrophytic Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) on breast height (DBH), regardless of height (DBH), regardless than 3.2 woody vines - All woody vines greatenthan or equal to 3.28 ft (1 mercent and woody plants less than 3.2 woody vines - All woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines greatenthan or equal to 3.28 ft (1 mercent and woody vines and woody vines and woody vines and woody vines and woo	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: DBL species 15 Yes FACW PACW species 15 Yes FACW DPL species 10 X 4 = UPL species Column Totals 10 (A) Prevalence Index = B/A = 2.2 Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation Prevalence Index is ≤ 3.01 4 - Morphological Adaptations¹ (Provide stata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Expressed) Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply Indicators 15 x 2 = FACW species 0 x 4 = UPL species 0 x 4 = UPL species 0 x 5 = Column Totals 140 (A) Prevalence Index = B/A = 2.2 Hydrophytic Vegetation Indicators: 1- Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤ 3.0¹ 4 - Morphological Adaptations¹ (Provide stata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Expressed) Problematic Hydrophytic Vegetation¹ (Expressed) Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in depressed to the problematic of the proble

Profile Des	cription: (Describe	to the	depth needed to	docu	ment the	indicato	or confirm the	absence of indicators	5.)
Depth	Matrix		Redox	c Fea	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Te	xture	Remarks
0 - 20	10YR 2/1	98	5YR 4/4	2	C	M/PL	Sandy	Clay Loam	
-	-								
		_							
	•	- —							
		- —		_					
				_					
		- —		_					
		- —		_					
				_					
	1			_					
				_					
¹Type: C = (Concentration, D =	Deplet	ion, RM = Reduce	d Ma	trix, MS	= Masked	Sand Grains. 2	Location: PL = Pore L	ining, M = Matrix.
Hydric Soil			,		,				blematic Hydric Soils ³ :
Histoso			Polyvalue B	alow	Surface ((S8) (I RR	R, MLRA 149B)		•
	pipedon (A2)		Thin Dark S						(0) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Muc			-			Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gley	-			-,		eat or Peat (S3) (LRR K, L, R)
	ed Layers (A5)		Depleted M					Dark Surface (
Deplete	ed Below Dark Surfa	ace (A1							ow Surface (S8) (LRR K, L)
Thick D	ark Surface (A12)		Depleted Da	ark S	urface (F	7)		Thin Dark Surf	
Sandy N	Mucky Mineral (S1)		Redox Depr	essic	ns (F8)			•	se Masses (F12) (LRR K, L, R)
Sandy (Gleyed Matrix (S4)		•						odplain Soils (F19) (MLRA 149B)
-	Redox (S5)								TA6) (MLRA 144A, 145, 149B)
	d Matrix (S6)							Red Parent Ma	
	urface (S7) (LRR R, N	/II RΔ 1.	49R)					•	Dark Surface (TF12)
Dark 50	11 acc (37) (ERR 14, 11	/ILIV (I	436)					Other (Explain	in Remarks)
-	of hydrophytic veg		n and wetland hyd	Irolo	gy must l	be preser	t, unless disturb	ed or problematic.	
Restrictive	Layer (if observed):	:							
	Type:		None	,		Hydric S	ioil Present?		Yes No
	Depth (inches):								
Remarks:	•								

Hydrology Photos



Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Garnet		City/County: Port	Byron, Cayuga	Sampling Date: 2020-June-18		
Applicant/Owner: NextEra			State: NY		Sampling Point: W-NS	SD-08; UPL-1
Investigator(s): Nick DeJohn, B	ridgette Rooney		Section, Township,	Range:		
Landform (hillslope, terrace, etc.)	: Plain		Local relief (concave, conv	/ex, none):_	Flat	Slope (%): 0-1
Subregion (LRR or MLRA): L	RR L		Lat: 43.130006832	21 Long:_	-76.6202547123	Datum: WGS84
Soil Map Unit Name: Ontario l	oam, 3 to 8 percent	slopes			NWI classification	າ:
Are climatic/hydrologic condition		-		(If no	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	turbed? Are "Norm	al Circumst	ances" present?	Yes 🟒 No
Are Vegetation, Soil,	or Hydrology	naturally proble	ematic? (If needed,	explain any	y answers in Remarks.)
SUMMARY OF FINDINGS – A	Attach site map s	howing samplin	g point locations, trar	nsects, im	portant features, e	etc.
Hydrophytic Vegetation Present			<u> </u>		<u>. </u>	
' ' '		✓_ No	 	14/-41	- d2 - V	. No. 4
Hydric Soil Present?		No / _	Is the Sampled Area with	iin a wetian	id? Yes	s No <u>_</u>
Wetland Hydrology Present?	Yes	No / _	If yes, optional Wetland S	Site ID:		
Remarks: (Explain alternative pro	ocedures here or in	a separate report)			<u> </u>	
ү түү түү түү түү түү түү түү түү түү т		р				
TRC covertype is UPL.						
HYDROLOGY						
Wetland Hydrology Indicators:						
	one is required; sh	ack all that apply)		Cocondan	/ Indicators (minimum	of two required)
<u>Primary Indicators (minimum of</u>	one is required; che	еск ан тпат арріу)		-	/ Indicators (minimum	oi two requirea)
Surface Water (A1)		Water-Stained Leav	ves (B9)		e Soil Cracks (B6)	
High Water Table (A2)	_	Aquatic Fauna (B13	3)		ige Patterns (B10)	
Saturation (A3)	_	Marl Deposits (B15	5)		Frim Lines (B16)	
Water Marks (B1)		Hydrogen Sulfide (Odor (C1)	-	ason Water Table (C2) sh Burrows (C8)	
Sediment Deposits (B2)		Oxidized Rhizosph	eres on Living Roots (C3)	-	tion Visible on Aerial Ir	magany (CQ)
Drift Deposits (B3)	_	Presence of Reduc	ed Iron (C4)		d or Stressed Plants (D	
Algal Mat or Crust (B4)		Recent Iron Reduct	tion in Tilled Soils (C6)		orphic Position (D2)	71)
Iron Deposits (B5)		Thin Muck Surface	(C7)		w Aquitard (D3)	
Inundation Visible on Aerial I	magery (B7)	Other (Explain in R	emarks)		opographic Relief (D4)	
Sparsely Vegetated Concave	Surface (B8)				eutral Test (D5)	
Field Observations:				FAC-NO	eutrar rest (D3)	
	Voc. No.	/ Donth (i	in chack			
Surface Water Present?	Yes No _	•	-	-		
Water Table Present?	Yes No _ _	<u>∠</u> Depth (i	nches):	_Wetland F	lydrology Present?	Yes No
Saturation Present?	Yes No	∠ Depth (i	nches):			
(includes capillary fringe)				_		
Describe Recorded Data (stream	gauge monitoring	well aerial nhotos	nrevious inspections) if:	available.		
Describe Recorded Data (Stream	r gauge, monitoring	well, derial priotos	, previous irispections,, ir	available.		
Remarks:						

<u>ree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	5	(A)
. Fraxinus pennsylvanica	40	Yes	FACW	Are OBL, FACW, or FAC:		
. Acer rubrum	25	Yes	FAC	Total Number of Dominant Species	6	(B)
B. Prunus serotina	15	No	FACU	Across All Strata: Percent of Dominant Species That		
l				Are OBL, FACW, or FAC:	83.3	(A/B)
5.				Prevalence Index worksheet:		
j				Total % Cover of:	Multiply E	3 <u>v:</u>
·				OBL species 0	x 1 =	0
	80	_= Total Cov	er	FACW species 40	x 2 =	80
apling/Shrub Stratum (Plot size: 15 ft)		.,		FAC species 125	x 3 =	375
. Rhamnus cathartica	50	Yes	FAC	FACU species 50	x 4 =	200
				UPL species 0	x 5 =	0
3				Column Totals 215	(A)	655 (B)
				Prevalence Index = B/A =	3	
·				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic		
				✓ 2 - Dominance Test is >50%		
	50	= Total Cov	er	\checkmark 3 - Prevalence Index is ≤ 3.0 ¹		
Herb Stratum (Plot size:5 ft)	25	\/	FACU	4 - Morphological Adaptation	s¹ (Provide s	supporting
. Parthenocissus quinquefolia	35	Yes	FACU	data in Remarks or on a separate s	heet)	
2. Toxicodendron radicans	30	Yes	FAC	Problematic Hydrophytic Veg	etation¹ (Ex	plain)
3. Rhamnus cathartica	20	Yes	FAC	Indicators of hydric soil and wetla	, .	gy must be
1				present, unless disturbed or proble	ematic	
5.				Definitions of Vegetation Strata:		
5.				Tree – Woody plants 3 in. (7.6 cm)		liameter a
7				breast height (DBH), regardless of	_	D
3.				Sapling/shrub – Woody plants less		вн and
).				greater than or equal to 3.28 ft (1 r Herb – All herbaceous (non-woody		ardless of
0				size, and woody plants less than 3.		ai uiess oi
1				Woody vines – All woody vines gre		28 ft in
2				height.		
	85	= Total Cov	er	Hydrophytic Vegetation Present?	Yes / N	0
Noody Vine Stratum (Plot size: <u>30 ft</u>)				Tryarophytic Vegetation Tresent.	105 <u>v</u> 11	<u> </u>
2						
3.				-		
·		= Total Cov		-		
k	0		er			

Profile Desc	ription: (Describe t	to the de				ndicato	r or confirm the a	absence of indicator	rs.)
Depth _	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	cture	Remarks
0 - 18	10YR 3/2	100					Silty Cl	ay Loam	
				_					
				_			-		
		· —— ·		_					
		· — ·		_					
				_					
				_				<u></u>	
				_					
				_					
				_					
				_					
¹Type: C = C	oncentration, D = I	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore	Lining, M = Matrix.
Hydric Soil I	ndicators:							Indicators for Pro	oblematic Hydric Soils ³ :
Histosol			Polyvalue Bel	ow S	urface (S	8) (LRR	R. MLRA 149B)		·
	oipedon (A2)		Thin Dark Sur						.10) (LRR K, L, MLRA 149B)
Black Hi			Loamy Mucky						Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed				•	5 cm Mucky F	Peat or Peat (S3) (LRR K, L, R)
Stratifie	d Layers (A5)		Depleted Mat	rix (F	F3)				ow Surface (S8) (LRR K, L)
Deplete	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)			-	rface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dar	k Sui	rface (F7))			
Sandy M	lucky Mineral (S1)		Redox Depres	ssior	ns (F8)				ese Masses (F12) (LRR K, L, R)
Sandy G	leyed Matrix (S4)								odplain Soils (F19) (MLRA 149B)
Sandy R	edox (S5)								(TA6) (MLRA 144A, 145, 149B)
-	Matrix (S6)							Red Parent M	
	rface (S7) (LRR R, M	11 RA 149)B)						Dark Surface (TF12)
bank sa	11acc (57) (2 11111, 11	iero (i i i	,					Other (Explai	n in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydro	olog	y must be	e preser	nt, unless disturb	ed or problematic.	
Restrictive L	ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No/_
	Depth (inches):								
Remarks:	-					•			

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Port	Byron, Cayuga	Sampling Date: 2020-June-18					
Applicant/Owner: NextEra			State: NY		Sampling Point: W-NSD-08; UPL-2				
Investigator(s): Nick DeJohn, Br	idgette Rooney		Section, Township,	Range:					
Landform (hillslope, terrace, etc.):	: Hillslope		Local relief (concave, conv	ex, none):	Convex	Slope (%): 1-10			
Subregion (LRR or MLRA): LI	RR L		Lat: 43.129323036	5 Long:	-76.6223582347	Datum: WGS84			
Soil Map Unit Name: Niagara a	ınd Canandaigua sil	t loams			NWI classification	n:			
Are climatic/hydrologic condition:		-		_ ∠ (If no,	, explain in Remarks.)				
Are Vegetation, Soil,		significantly dis			tances" present?	Yes No			
Are Vegetation, Soil,	or Hydrology	naturally proble	ematic? (If needed,	explain an	y answers in Remarks	i.)			
SUMMARY OF FINDINGS – A	ttach site map sl	howing samplin	g point locations, trar	nsects, in	nportant features,	etc.			
Hydrophytic Vegetation Present?	Yes	No _ _ _							
Hydric Soil Present?		<u>∕_</u> No	Is the Sampled Area with	in a Wetlai	nd? Ye	s No⁄_			
Wetland Hydrology Present?		No	If yes, optional Wetland Site ID:						
			ii yes, optional wetiand :	oite iD.		_			
Remarks: (Explain alternative pro	ocedures nere or in a	a separate report)							
TRC covertype is UPL. Drought									
HYDROLOGY									
Matter d Dividuale as Indianteur.									
Wetland Hydrology Indicators:	ana is rasuiradu she	ack all that anniv		Cocondon	u Indicators (minimum	of two required)			
Primary Indicators (minimum of	one is required; che	еск ан спас арріу)			y Indicators (minimum	1 or two required)			
Surface Water (A1)		Water-Stained Leav	ves (B9)		ce Soil Cracks (B6) age Patterns (B10)				
High Water Table (A2)		Aquatic Fauna (B13			Trim Lines (B16)				
Saturation (A3)		Marl Deposits (B15			eason Water Table (C2)			
Water Marks (B1)		Hydrogen Sulfide (Cravfish Burrows (C8)					
Sediment Deposits (B2)			eres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Algal Mat or Crust (B4)		Presence of Reduc	tion in Tilled Soils (C6)	Stunted or Stressed Plants (D1)					
Iron Deposits (B5)		Thin Muck Surface		Geomorphic Position (D2)					
Inundation Visible on Aerial I		Other (Explain in R	Remarks) Shallow Aquitard (D3)						
Sparsely Vegetated Concave Surface (B8)			Microtopographic Relief (D4)						
				FAC-N	eutral Test (D5)				
Field Observations:									
Surface Water Present?	Yes No _ ∠	•	·	-					
Water Table Present?	Yes No	<u>/</u> Depth (i	nches):	Wetland I	Hydrology Present?	Yes No ∠			
Saturation Present?	Yes No	Depth (i	nches):	_					
(includes capillary fringe)									
Describe Recorded Data (stream	gauge, monitoring	well, aerial photos	, previous inspections), if a	available:					
Remarks:									
Remarks.									

				Damainan as Taat wantah satu		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species The Are OBL, FACW, or FAC:	0	(A)
1.				Total Number of Dominant Speci		
2.				Across All Strata:	1	(B)
3.				Percent of Dominant Species Tha	nt	
4				Are OBL, FACW, or FAC:	. 0	(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply I	Bv:
7				- OBL species 0	x 1 =	0
	0	= Total Cov	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1				- FACU species 0	x 4 =	0
2				- UPL species 0	x5=	0
3				- Column Totals 0	^_ (A)	0 (B)
4				- Prevalence Index = B/A	_	0 (D)
5						
6				Hydrophytic Vegetation Indicator		
7.				1- Rapid Test for Hydrophyt	_	
	0	= Total Cov	er	2 - Dominance Test is > 50%		
Herb Stratum (Plot size:5 ft)		-		3 - Prevalence Index is ≤ 3.0		
1. <i>Glycine max</i>	15	Yes	NI	4 - Morphological Adaptatio		supporting
2.				data in Remarks or on a separate		nlain)
3.				Problematic Hydrophytic Ve	-	
4.				Indicators of hydric soil and weth present, unless disturbed or prob		gy must be
5.				Definitions of Vegetation Strata:	Jiematic	
6.				Tree – Woody plants 3 in. (7.6 cm) or more in a	liameter at
7.				breast height (DBH), regardless o		nameter at
8.				Sapling/shrub - Woody plants les	_	BH and
9.				greater than or equal to 3.28 ft (1		Di i di i d
10				Herb – All herbaceous (non-wood		ardless of
				size, and woody plants less than		,
11				Woody vines – All woody vines gr		28 ft in
12		T- t-l C-		height.		
	15	= Total Cov	er	Hydrophytic Vegetation Present	Yes N	0 /
Woody Vine Stratum (Plot size: 30 ft)				Trydrophydic Vegetadom resema	. 105 1	~ <u>_v</u> _
1				-		
2				-		
3				-		
				-		
4		= Total Cov				

Profile Desc	cription: (Describe to	o the d	epth needed to d	ocun	nent the i	indicato	r or confirm the	absence of indicate	ors.)			
Depth												
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ² Texture		ture	Remarks			
0 - 17	10YR 2/2	95	7.5YR 4/6	5	C	M Silty Clay Loam		ay Loam				
				_								
				_								
		_		_								
				_								
				_								
				_			-					
				_			-					
				_								
				_								
				_								
				_								
¹Type: C = C	Concentration, D = D	Pepletio	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore	e Lining, M = Matrix.			
Hydric Soil I	ndicators:							Indicators for P	roblematic Hydric Soils³:			
Histosol	(A1)		Polyvalue Be	low S	urface (S	8) (LRR	R, MLRA 149B)	2 cm Muck	(A10) (LRR K, L, MLRA 149B)			
Histic Ep	oipedon (A2)		Thin Dark Su	rface	(S9) (LRF	R, MLR	A 149B)					
Black Hi	stic (A3)		Loamy Muck	y Mir	eral (F1)	(LRR K,	_)	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)				
	en Sulfide (A4)		Loamy Gleye					5 cm Mucky Peat of Peat (S5) (LRR N, L, R) Dark Surface (S7) (LRR K, L)				
	d Layers (A5)		Depleted Ma					Polyvalue Below Surface (S8) (LRR K, L)				
	d Below Dark Surfa	ce (A11						Thin Dark Surface (S9) (LRR K, L)				
	ark Surface (A12)		Depleted Da)			nese Masses (F12) (LRR K, L, R)			
	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				loodplain Soils (F19) (MLRA 149B)			
-	ileyed Matrix (S4)								ic (TA6) (MLRA 144A, 145, 149B)			
-	edox (S5)							Red Parent				
Stripped	d Matrix (S6)								w Dark Surface (TF12)			
Dark Su	rface (S7) (LRR R, M	LRA 14	9B)						ain in Remarks)			
3Indicators	of hydrophytic vege	etation	and wetland hyd	വിവര	v must h	e nreser	nt unless disturh	ed or problematic				
-	_ayer (if observed):	cacion	and Wedana nya	0108	y mast b	I	ic, arriess distars	ed or problematic	•			
	Type:		None			Hydric	Soil Present?		Yes No			
	• •		None	,		пуштс	3011 Fresents		res No			
	Depth (inches):											
Remarks:												

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Port	Byron, Cayuga		Sampling Date: 2020-June-18				
Applicant/Owner: NextEra		State: NY		Sampling Point: W-NSD-09; PEM-1					
Investigator(s): Nick DeJohn, B	ridgette Rooney		Section, Township,	Range:					
Landform (hillslope, terrace, etc.): Depression		Local relief (concave, conv	/ex, none):_	Concave	Slope (%): 0-1			
Subregion (LRR or MLRA): L	RR L		Lat: 43.124913568	6 Long:	-76.6203964502	Datum: WGS84			
Soil Map Unit Name: Lamson	mucky fine sandy l	oam			NWI classification	on:			
Are climatic/hydrologic conditior		-		_ ∠ (If no,	explain in Remarks.)				
Are Vegetation <u></u> , Soil,	or Hydrology _	significantly di	sturbed? Are "Norm	al Circumst	tances" present?	Yes No			
Are Vegetation, Soil,	or Hydrology _	naturally prob	lematic? (If needed,	explain an	y answers in Remark	5.)			
SUMMARY OF FINDINGS – A	? Yes _	✓_ No			<u> </u>				
Hydric Soil Present?		No _ _ _	Is the Sampled Area with	in a Wetlan	d? Yes	s ∠ _ No			
Wetland Hydrology Present?	Yes _	No _ _ _	If yes, optional Wetland S	ite ID:	W-	NSD-09			
TRC covertype is PEM. Circumst	ances are not norn	nal due to agricultu	ral activities						
HYDROLOGY									
Wetland Hydrology Indicators:	<u>.</u> .								
Primary Indicators (minimum of	one is required; cl	neck all that apply)		-	y Indicators (minimur	n of two required)			
Surface Water (A1)	_	_ Water-Stained Lea	aves (B9)		e Soil Cracks (B6) age Patterns (B10)				
High Water Table (A2)		_ Aquatic Fauna (B1			Trim Lines (B16)				
Saturation (A3)		_ Marl Deposits (B1		Dry-Season Water Table (C2)					
Water Marks (B1)	_	_ Hydrogen Sulfide		Cravfish Burrows (C8)					
Sediment Deposits (B2)	_		heres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	_	_ Presence of Redu		Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Iron Deposits (B5)	_	_ Recent from Reduct _ Thin Muck Surface	ction in Tilled Soils (C6)	Geomorphic Position (D2)					
	Inon Deposits (B5) Infinite Midck Surfact Inundation Visible on Aerial Imagery (B7) Other (Explain in				Remarks) Shallow Aquitard (D3)				
Sparsely Vegetated Concave Surface (B8)			Microtopographic Relief (D4)						
				∕ FAC-Ne	eutral Test (D5)				
Field Observations:									
Surface Water Present?	Yes No		(inches):	-					
Water Table Present?	Yes No	·	(inches):	Wetland F	Hydrology Present?	Yes No			
Saturation Present?	Yes No _	Depth	(inches):	_					
(includes capillary fringe)									
Describe Recorded Data (stream Remarks:	i gauge, monitorin	g well, aerial photo	s, previous inspections), if	available:					

Tree Stratum (Plot size: <u>30 ft</u>) 1.		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant S Are OBL, FACW, or FAC	pecies That	2	(A)
2.				Total Number of Domir		2	(B)
3. 				Percent of Dominant Sp Are OBL, FACW, or FAC		100	(A/B)
5				Prevalence Index works			
5				Total % Cover	of:	Multiply I	<u>3y:</u>
7				- OBL species	33	x 1 =	33
	0	= Total Cove	er	FACW species	15	x 2 =	30
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	45	x 3 =	135
1				FACU species	0	x 4 =	0
2.				UPL species	0	x 5 =	0
3				Column Totals	93	(A)	198 (B)
4				Prevalence Ir		2.1	(2)
5				Hydrophytic Vegetation			
6				1- Rapid Test for F		/ogotation	
7				2 - Dominance Tes		regetation	
	0	= Total Cove	er	✓ 3 - Prevalence Ind			
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological		I (Provido s	unnorting
1. <i>Equisetum arvense</i>	45	Yes	FAC	data in Remarks or on			apporting
2. Scirpus cyperinus	20	Yes	OBL	Problematic Hydr	•		olain)
3. <i>Impatiens capensis</i>	12	No	FACW	¹Indicators of hydric so			
4. <i>Leersia oryzoides</i>	10	No	OBL	present, unless disturb		-	y mast be
5. Eupatorium perfoliatum	3	No	FACW	Definitions of Vegetation			
6. <i>Alisma triviale</i>	3	No	OBL	Tree – Woody plants 3 i		more in d	iameter a
7.				breast height (DBH), re			
8.				Sapling/shrub - Woody			BH and
9.				greater than or equal to	-		
10.				Herb – All herbaceous ((non-woody)	plants, reg	ardless of
11.				size, and woody plants	less than 3.2	8 ft tall.	
12.				Woody vines - All wood	dy vines great	ter than 3.2	28 ft in
	93	= Total Cove	ar	height.			
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetatio	n Present? \	∕es <u> </u>	0
1							
2.				-			
3				-			
4				-			
	0	_= Total Cove	er				

Profile Des Depth	cription: (Describe Matrix	to the	depth needed to Redo			indicato	r or confirm the a	bsence of indicators.)	
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²		Texture	Remarks
0 - 4	10YR 2/2	95	7.5YR 4/4	5	С	M/PL	Sar	ndy Clay Loam	Kemarks
4 - 6	10YR 4/1	95	10YR 4/6	5	<u>c</u>	M		ndy Clay Loam	
6 - 20	10YR 2/1	70	10YR 4/1	20	<u>c</u>	M		tter Silty Clay Loam	
6 - 20	1011(2/1	- /0	7.5YR 4/6	10				ter Sandy Clay Loam	
0 - 20			7.511 4/0	10			Orginati	ter Saridy Clay Loam	
							-		
							-		
							-		
		- —		_					
		- —							
							-		
1Typo: C = 0	Concentration D =	Donlo	tion PM - Poduce		triv MC	- Mackoo	I Sand Grains 21	ocation: PL = Pore Lining, M	- Matrix
Hydric Soil		Debie	don, Kivi – Reduce	u ivia	U IX, IVI3 -	- IVIASKEC	i Sanu GranisL	Indicators for Problematic	
Histoso			Polyvalue F	elow	Surface	'S8\ (I DD	R, MLRA 149B)		•
	pipedon (A2)		Polyvalue B					2 cm Muck (A10) (LRR I	
	istic (A3)		Loamy Mud					Coast Prairie Redox (A	
	en Sulfide (A4)		Loamy Gley				,	5 cm Mucky Peat or Pe Dark Surface (S7) (LRR	
Stratifie	d Layers (A5)		Depleted M	latrix	(F3)			Polyvalue Below Surface	
•	d Below Dark Surf	ace (A´						Thin Dark Surface (S9)	
	ark Surface (A12)		Depleted D			7)		Iron-Manganese Mass	
	/lucky Mineral (S1)		Redox Dep	ressic	ns (F8)			Piedmont Floodplain S	
-	Gleyed Matrix (S4)							Mesic Spodic (TA6) (ML	
-	Redox (S5)							Red Parent Material (F	
	d Matrix (S6)		405)					Very Shallow Dark Surf	face (TF12)
Dark Su	ırface (S7) (LRR R, I	VILKA 1	49B)					Other (Explain in Rema	arks)
³ Indicators	of hydrophytic veg	getatio	n and wetland hy	drolo	gy must l	oe prese	nt, unless disturbe	ed or problematic.	
Restrictive	Layer (if observed)):							
	Type:		None			Hydric	Soil Present?		Yes No/
	Depth (inches):								
Remarks:									
Ì									
Ì									
l									
Ì									

Vegetation Photos



Soil Photos



Photo of Sample Plot



Project/Site: Garnet	Cit	y/County: Port By	ron, Cayuga	Sampling Date: 2020-June-18			
Applicant/Owner: NextEra			State: NY		Sampling Point: W-N	SD-09; UPL-1	
Investigator(s): Nick DeJohn, B	ridgette Rooney		Section, Township,	Range:			
Landform (hillslope, terrace, etc.)	: Agricultural Field	d Lo	cal relief (concave, conv	ex, none):	Convex	Slope (%): 2-5	
Subregion (LRR or MLRA): L	RR L		Lat: 43.124931925	Long:	-76.6208009609	Datum: WGS84	
Soil Map Unit Name: Lamson	mucky fine sandy loam	n .			NWI classificatio	n:	
Are climatic/hydrologic condition	s on the site typical for	r this time of year?	Yes No	_ ∠ (If no,	, explain in Remarks.)		
Are Vegetation, Soil,	or Hydrology	significantly distu	rbed? Are "Norm	al Circums	tances" present?	Yes No	
Are Vegetation, Soil,	or Hydrology	naturally problem	natic? (If needed,	explain an	ny answers in Remarks	.)	
SUMMARY OF FINDINGS – A	attach site map sho	wing sampling	point locations, tran	nsects. im	nportant features.	etc.	
Hydrophytic Vegetation Present	<u> </u>				<u>'</u>		
Hydric Soil Present?	Yes 🗸	No I:	s the Sampled Area with	in a Wetlai	nd? Ye	s No <u>_</u>	
Wetland Hydrology Present?	Yes	No ./	f yes, optional Wetland S	Site ID:			
Remarks: (Explain alternative pro	· · · · · · · · · · · · · · · · · · ·	<u>_</u>	,,				
TRC covertype is UPL. Circumsta	nces are not normal di	ue to agricultural	activities				
HYDROLOGY Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required; check	all that apply)		Secondar	y Indicators (minimum	of two required)	
Surface Water (A1)	\W:	ater-Stained Leave	sc (RQ)	Surfac	ce Soil Cracks (B6)		
High Water Table (A2)		uatic Fauna (B13)	.3 (D)		age Patterns (B10)		
Saturation (A3)		arl Deposits (B15)			Trim Lines (B16)		
Water Marks (B1)	Ну	drogen Sulfide Oc	for (C1)	-	eason Water Table (C2))	
Sediment Deposits (B2)	Ox	idized Rhizospher	es on Living Roots (C3)	-	sh Burrows (C8) ation Visible on Aerial I	magen/(C9)	
Drift Deposits (B3)		esence of Reduced			ed or Stressed Plants (I		
Algal Mat or Crust (B4)			on in Tilled Soils (C6)		orphic Position (D2)	•	
Iron Deposits (B5)		in Muck Surface ((Shallo	w Aquitard (D3)		
Inundation Visible on Aerial I Sparsely Vegetated Concave		her (Explain in Rer	narks)		topographic Relief (D4)	
Sparsely vegetated Coricave	Surface (Bo)			FAC-N	leutral Test (D5)		
Field Observations:							
Surface Water Present?	Yes No	Depth (in	ches):	_			
Water Table Present?	Yes No	Depth (in	ches):	Wetland I	Hydrology Present?	Yes No	
Saturation Present?	Yes No _ ✓	Depth (in	ches):				
(includes capillary fringe)				-			
Describe Recorded Data (stream	n gauge, monitoring we	ell. aerial photos. r	previous inspections), if	available:			
		,, -					
Remarks:							

	Dominant						
		Indicat	·.	nce Test worl			
Cover	Species?	Statu		., FACW, or FA	t Species That	0	(A)
					ninant Species		
				All Strata:	illiant species	1	(B)
					Species That		
					•	0	(A/B)
				Total % Cove	er of:	Multiply E	Bv:
			OBL spe	cies	0	x 1 =	0
0	= Total Cov	er	FACW sp	ecies	0	x 2 =	0
					0	x 3 =	0
			-		0	_	0
						_	0
			· ·			_	0 (B)
						(~)	0 (b)
			-				
			, ,	, ,			
				•		egetation	
0	= Total Cov	er					
	-					(D : 1	
10	Yes	NI			•		upporting
					•		alain)
		-		-			
		-		-		-	y must be
			-		•	Hatic	
				_		· mara in d	iamotor at
							idiffeter at
				-	-	_	BH and
							Di i di id
							ardless of
							28 ft in
10			height.		, 0		
10	= Iotal Cov	er	Hydron	hytic Vegetat	ion Present?	/es No) ./
			, iyai op	ing the vegetat	don't reserve.		- V
0	= Total Cov	er er					
	0	0 = Total Cov	0 = Total Cover 10 Yes NI	Are OBL Prevales OBL spe FACW sp FAC spec FACU sp UPL spec Column Hydropl ———————————————————————————————————	Are OBL, FACW, or FAP Prevalence Index wo Total % Cove OBL species FACW species FACU species UPL species UPL species Column Totals Prevalence Hydrophytic Vegetati ———————————————————————————————————	Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of:	Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply E

Depth	cription: (Describe Matrix	to the a	eptn needed to d Redox			indicato	r or confirm the	absence of indi-	cators.)
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Textu	ıre	Remarks
0 - 5	10YR 3/2	100			7		Sandy I	_	
5 - 18	10YR 3/2	95	5YR 5/8	5	С	M	Sandy I	-	
				_		· 			
		- —		_			-		
				_					
				_					
				_					
				_					
				_					
				_					
				_					
				_					
¹Type: C = C	oncentration, D =	Depletic	n. RM = Reduced	Mat	rix. MS =	Masked	Sand Grains 2	Plocation: Pl = F	Pore Lining, M = Matrix.
Hydric Soil		<i>Б</i> ср.сс.с	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,		. 54.14 5.4.1.5		or Problematic Hydric Soils ³ :
Histosol			Polvvalue Re	low ^c	Surface (88) (LRR	R, MLRA 149B)		•
	oipedon (A2)		Thin Dark Su						ck (A10) (LRR K, L, MLRA 149B) airie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck						cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)				face (S7) (LRR K, L)
Stratifie	d Layers (A5)		Depleted Ma	trix (F3)				e Below Surface (S8) (LRR K, L)
	d Below Dark Surf	ace (A11						•	k Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dar)			nganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depre	ssior	1S (F8)				nt Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)							Mesic Sp	odic (TA6) (MLRA 144A, 145, 149B)
-	Redox (S5)							Red Pare	ent Material (F21)
	d Matrix (S6)	41.54.44	OD)					Very Sha	llow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILKA 14	98)					Other (E	xplain in Remarks)
³ Indicators	of hydrophytic veg	etation	and wetland hydr	olog	y must b	e presei	nt, unless disturb	oed or problema	atic.
Restrictive I	Layer (if observed):	:							
	Type:		None			Hydrid	: Soil Present?		Yes No
	Depth (inches):	-							
Remarks:									

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Port	Byron, Cayuga		Sampling Date: 2020	0-June-19
Applicant/Owner: NextEra			State: NY	Si	ampling Point: W-NSI	D-10; PEM-1
Investigator(s): Nick DeJohn, E	Bridgette Rooney		Section, Township,	, Range:		
Landform (hillslope, terrace, etc.	.): Plain		Local relief (concave, conv	vex, none): \	Jndulating	Slope (%): 0-1
Subregion (LRR or MLRA):	LRR L		Lat: 43.114264276	59 Long: -	76.6184356716	Datum: WGS84
Soil Map Unit Name: Muck, sh	nallow				NWI classification	:
Are climatic/hydrologic condition	ns on the site typic	cal for this time of yea	ar? Yes No	o <u> </u>	explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology	significantly dis	turbed? Are "Norm	nal Circumsta	inces" present? Y	′es No
Are Vegetation, Soil,	or Hydrology	naturally proble	ematic? (If needed,	, explain any	answers in Remarks.)	
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative pr	t? Yes Yes	✓ No ✓ No	Is the Sampled Area withi	in a Wetland	? Yes _	tc. ✓ No
TRC covertype is PEM. Drought						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	f one is required;	check all that apply)		Secondary I	Indicators (minimum	of two required)
	•		··· (DO)	-	Soil Cracks (B6)	•
Surface Water (A1) High Water Table (A2)	_	Water-Stained Lea Aquatic Fauna (B1:		Drainag	ge Patterns (B10)	
Saturation (A3)	_	Aquatic Fauria (B1: Marl Deposits (B1:		Moss Tr	im Lines (B16)	
Water Marks (B1)	_	Hydrogen Sulfide (-	son Water Table (C2)	
Sediment Deposits (B2)	_		eres on Living Roots (C3)	-	n Burrows (C8)	
Drift Deposits (B3)	_	Presence of Reduc	_		ion Visible on Aerial Im	
Algal Mat or Crust (B4)	_		tion in Tilled Soils (C6)		l or Stressed Plants (D	1)
Iron Deposits (B5)	_	 Thin Muck Surface			rphic Position (D2)	
Inundation Visible on Aerial	Imagery (B7)	 Other (Explain in R			Aquitard (D3)	
Sparsely Vegetated Concave	Surface (B8)				pographic Relief (D4)	
Field Observations				FAC-Net	utral Test (D5)	
Field Observations:	Voc. NI-	/ Damile /	inchas):	1		
Surface Water Present?	Yes No		inches):	- 	aduada ma Dua a a a 2	Voc. 4 No.
Water Table Present?	Yes No		inches):	_ wetiand Hy	ydrology Present?	Yes No
Saturation Present?	Yes No	Depth (inches):	-		
(includes capillary fringe)						
Describe Recorded Data (stream	n gauge, monitorii	ng well, aerial photos	, previous inspections), if	available:		
Remarks:						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>) 1.		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant S Are OBL, FACW, or FAC	Species That	2	(A)
2.				Total Number of Domi		3	(B)
3. 				Percent of Dominant S Are OBL, FACW, or FAC		66.7	(A/B)
5				Prevalence Index work			
5				Total % Cover	of:	Multiply E	<u>By:</u>
7				- OBL species	33	x 1 =	33
	0	= Total Cove	er	FACW species	33	x 2 =	66
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	10	x 3 =	30
1				FACU species	35	x 4 =	140
2.				- UPL species	0	x 5 =	0
3				- Column Totals	111	(A)	269 (B)
4				Prevalence Ir		2.4	(2)
5				Hydrophytic Vegetation			 -
6				1- Rapid Test for I		/ogotation	
7				✓ 2 - Dominance Te		regetation	
	0	= Total Cove	er	✓ 3 - Prevalence Inc			
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological		l (Provido s	upporting
1. <i>Typha angustifolia</i>	33	Yes	OBL	- data in Remarks or on			upporting
2. Solidago canadensis	30	Yes	FACU	- Problematic Hydr	•		olain)
3. <i>Impatiens capensis</i>	25	Yes	FACW	- Indicators of hydric so			
4. <i>Urtica dioica</i>	10	No	FAC	present, unless disturb			y mast be
5. <i>Phalaris arundinacea</i>	8	No	FACW	Definitions of Vegetation			
6. Hesperis matronalis	5	No	FACU	Tree – Woody plants 3		more in d	iameter a
7.				breast height (DBH), re			iarrieter a
8.				Sapling/shrub - Woody			BH and
9.				greater than or equal t	•		
10.				Herb – All herbaceous	(non-woody)	plants, reg	ardless of
11				size, and woody plants	less than 3.2	8 ft tall.	
				Woody vines - All wood	dy vines grea	ter than 3.2	28 ft in
12	111	= Total Cove	ar .	height.			
Woody Vine Stratum (Plot size: <u>30 ft</u>)		10tal Cove	J1	Hydrophytic Vegetation	n Present? \	∕es <u> </u>	o
1				-			
2				-			
3				-			
4				=			
	0	= Total Cove	er				

Profile Des	cription: (Describe	to the	depth needed to	docu	ment the	indicato	or confirm the a	absence of indicate	ors.)
Depth	Matrix		Redox	(Fea	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Tex	ture	Remarks
0 - 20	10YR 3/1	98	5YR 3/4	2	C	M/PL	Silty Cla	ay Loam	
				_					
				_					
		- —		_					
		- —		_					
		- —		_					
		- —		_					
				_					
	-								
				_					
¹Type: C = 0	Concentration, D =	Deplet	ion, RM = Reduce	d Ma	trix, MS	= Masked	Sand Grains. 21	Location: PL = Pore	E Lining, M = Matrix.
Hydric Soil					,				roblematic Hydric Soils³:
Histoso			Polyvalue Be	-low	Surface ((S8) (I RR I	R MIRA 149R)		•
	oipedon (A2)		Thin Dark Si						(A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Mucl			-			e Redox (A16) (LRR K, L, R)
I	en Sulfide (A4)		Loamy Gley				-,		Peat or Peat (S3) (LRR K, L, R)
,	d Layers (A5)		Depleted M						e (S7) (LRR K, L)
	d Below Dark Surfa	ace (A1							elow Surface (S8) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	ırk Sı	urface (F	7)			urface (S9) (LRR K, L)
Sandy N	Mucky Mineral (S1)		Redox Depr	essic	ns (F8)				nese Masses (F12) (LRR K, L, R)
Sandy C	Gleyed Matrix (S4)								loodplain Soils (F19) (MLRA 149B)
-	Redox (S5)								ic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent	
	ırface (S7) (LRR R, N	/II RA 1	49B)						w Dark Surface (TF12)
			.52,					Other (Expl	ain in Remarks)
3Indicators	of hydrophytic veg	etation	n and wetland hyd	Irolo	gy must l	be preser	t, unless disturb	ed or problematic	
Restrictive	Layer (if observed):	:							
	Type:		None			Hydric S	oil Present?		Yes No
	Depth (inches):								
Remarks:	,								
L									

Vegetation Photos



Soil Photos



Photo of Sample Plot







Project/Site: Garnet	Ci	ity/County: Port	Byron, Cayuga		Sampling Date: 2	020-June-19
Applicant/Owner: NextEra			State: NY		Sampling Point: W-I	NSD-10; PFO-1
Investigator(s): Nick DeJohn, Bi	ridgette Rooney		Section, Township,	Range:		
Landform (hillslope, terrace, etc.)	: Toe		Local relief (concave, conv	/ex, none):	Concave	Slope (%): 0-1
Subregion (LRR or MLRA):	RR L		Lat: 43.116946779	2 Long:	-76.6212958284	Datum: WGS84
Soil Map Unit Name: Lamson	mucky fine sandy loar	m			NWI classificati	ion:
Are climatic/hydrologic condition		-		_ ∠ (If no,	explain in Remarks.)
Are Vegetation, Soil,	or Hydrology	_ significantly dis	turbed? Are "Norm	al Circumst	tances" present?	Yes _ ✓ No
Are Vegetation, Soil,	or Hydrology	_ naturally proble	ematic? (If needed,	explain an	y answers in Remark	(S.)
SUMMARY OF FINDINGS – A	attach site map sho	owing samplin	g point locations, trar	nsects, im	nportant features	, etc.
Hydrophytic Vegetation Present?	? Yes	_ No				
Hydric Soil Present?	Yes 🗸	_No	Is the Sampled Area withi	in a Wetlan	d? Ye	s No
Wetland Hydrology Present?		i	If yes, optional Wetland S	ite ID:	W	-NSD-10
Remarks: (Explain alternative pro	· · · · · · · · · · · · · · · · · · ·		n yes, optional rredaile s	ice ib.		1135 10
TRC covertype is PFO. Drought						
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of	one is required; chec	k all that apply)		-	y Indicators (minimu	m of two required)
Surface Water (A1)	W	ater-Stained Leav	ves (B9)		e Soil Cracks (B6)	
High Water Table (A2)	Ac	quatic Fauna (B13	3)		age Patterns (B10)	
Saturation (A3)	M	larl Deposits (B15	5)		Trim Lines (B16) eason Water Table (C	2)
Water Marks (B1)		ydrogen Sulfide (-	sh Burrows (C8)	~)
Sediment Deposits (B2)			eres on Living Roots (C3)	-	ition Visible on Aeria	l Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)		resence of Reduc	ea Iron (C4) tion in Tilled Soils (C6)	Stunte	ed or Stressed Plants	(D1)
Iron Deposits (B5)		nin Muck Surface		∕ Geom	orphic Position (D2)	
Inundation Visible on Aerial I		ther (Explain in R			w Aquitard (D3)	
Sparsely Vegetated Concave	•				copographic Relief (D	4)
				✓ FAC-Ne	eutral Test (D5)	
Field Observations:	V N- (Donath (to the selection			
Surface Water Present?	Yes No	Depth (i	-	-		
Water Table Present?	Yes No _ _	Depth (i	nches):	Wetland F	Hydrology Present?	Yes No
Saturation Present?	Yes No 🟒	Depth (i	nches):	_		
(includes capillary fringe)						
Describe Recorded Data (stream Remarks:	gauge, monitoring w	ell, aerial photos	, previous inspections), if a	available:		

<u>ree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	6	(A)
. Fraxinus pennsylvanica	50	Yes	FACW	Are OBL, FACW, or FAC:		(A)
. Ulmus americana .	25	Yes	FACW	Total Number of Dominant Species Across All Strata:	6	(B)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
i				Prevalence Index worksheet:	-	
				Total % Cover of:	Multiply E	<u>3v:</u>
				- OBL species 33	x 1 =	33
	75	= Total Cov	er	FACW species 130	x 2 =	260
apling/Shrub Stratum (Plot size: 15 ft)				FAC species 15	x 3 =	45
. Fraxinus pennsylvanica	15	Yes	FACW	FACU species 0	x 4 =	0
. Rhamnus cathartica	5	Yes	FAC	- UPL species 0	x 5 =	0
·				Column Totals 178	(A)	338 (B)
·				Prevalence Index = B/A =	- ' ' -	330 (B)
				-		
				Hydrophytic Vegetation Indicators:		
				1- Rapid Test for Hydrophytic	Vegetation	
	20	= Total Cov	er	✓ 2 - Dominance Test is >50%		
lerb Stratum (Plot size: <u>5 ft</u>)		_		3 - Prevalence Index is ≤ 3.0¹		
. Impatiens capensis	40	Yes	FACW	4 - Morphological Adaptation	-	upporting
. Symplocarpus foetidus	33	Yes	OBL	data in Remarks or on a separate s		-1-1-2
. Solidago rugosa	10	No	FAC	Problematic Hydrophytic Veg		
			.,	Indicators of hydric soil and wetla	, ,	y must be
				present, unless disturbed or probl	ematic	
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm)		iameter a
7				breast height (DBH), regardless of Sapling/shrub – Woody plants less	_	Diland
3.				greater than or equal to 3.28 ft (1 r		DH allu
).				Herb – All herbaceous (non-woody		ardlass of
0				size, and woody plants less than 3.		ai uiess oi
1				Woody vines – All woody vines gre		28 ft in
2				height.	ater triair 5.2	20 10 111
	83	= Total Cov	er		V (N	_
Voody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present?	res ivo	J
				_		
L				_		
				.		
3.						
3 I			er			

Profile Desc	ription: (Describe to	o the d	epth needed to d	ocun	nent the i	indicato	r or confirm the	absence of indicators	s.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Te	exture	Remarks
0 - 17	10YR 3/1	95	7.5YR 3/4	5	С	M	Sandy	Clay Loam	
				_					
				_					
				_					
				_					
				_					
				_			-		
				_					
				_					
				_					
¹Type: C = C	oncentration, D = D	Pepletion	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. ²	Location: PL = Pore L	
Hydric Soil I								Indicators for Pro	blematic Hydric Soils³:
Histosol			Polyvalue Be					2 cm Muck (A´	10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su						Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck			(LRR K,	_)	5 cm Mucky P	eat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface ((S7) (LRR K, L)
	d Layers (A5) d Below Dark Surfa	co (A11	Depleted Ma					Polyvalue Beld	ow Surface (S8) (LRR K, L)
	ark Surface (A12)	ce (ATI	Depleted Da			,		Thin Dark Sur	face (S9) (LRR K, L)
	lucky Mineral (S1)		Redox Depre			,			ese Masses (F12) (LRR K, L, R)
	ileyed Matrix (S4)		Redox Depre	.55101	13 (1 0)				odplain Soils (F19) (MLRA 149B)
-	edox (S5)								(TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent Ma	
	rface (S7) (LRR R, M	I DA 14	OD)						Dark Surface (TF12)
Dark Su	11ace (37) (LKK K, W	LKA 14	96)					Other (Explain	n in Remarks)
3Indicators	of hydrophytic vege	etation	and wetland hyd	olog	y must b	e preser	it, unless disturb	ed or problematic.	
Restrictive I	ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:						•			

Vegetation Photos

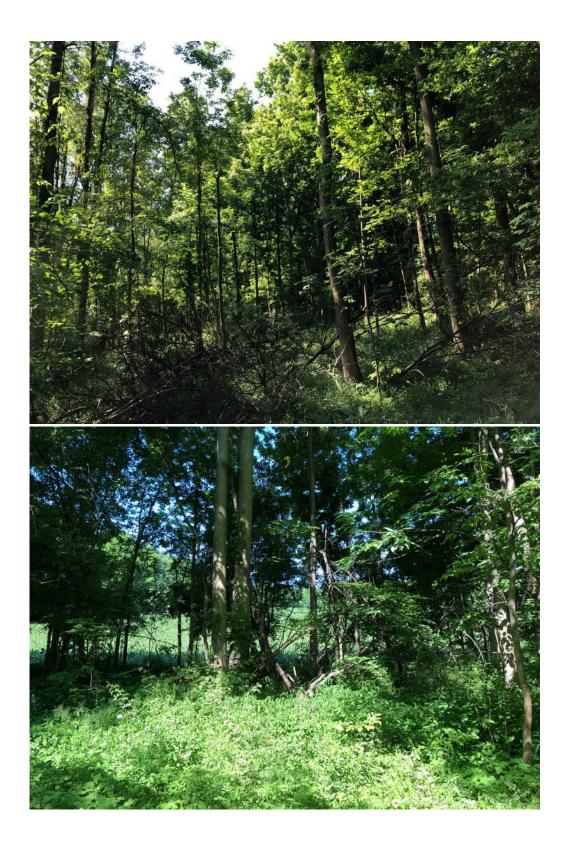


Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Port	Byron, Cayuga	Sampling Date: 2	020-June-19
Applicant/Owner: NextEra			State: NY	Sampling Point: W-	NSD-10; UPL-1
Investigator(s): Nick DeJohn, Br	idgette Rooney		Section, Township,	Range:	
Landform (hillslope, terrace, etc.):	: Flat		Local relief (concave, conv	ex, none): Undulating	Slope (%): 0-1
Subregion (LRR or MLRA): LF	RR L		Lat: 43.114898786	9 Long: -76.6197326035	Datum: WGS84
Soil Map Unit Name: Muck, sha	allow			NWI classificat	ion:
Are climatic/hydrologic conditions	s on the site typica	al for this time of yea	ar? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil,	or Hydrology ₋	significantly dis	turbed? Are "Norm	al Circumstances" present?	Yes No
Are Vegetation, Soil,	or Hydrology ₋	naturally proble	ematic? (If needed,	explain any answers in Remarl	(S.)
SUMMARY OF FINDINGS – A Hydrophytic Vegetation Present? Hydric Soil Present?	Yes .	showing samplin No/ No/	g point locations, trar	·	, etc. ′es No <u>_</u>
Wetland Hydrology Present?	Yes	No _ _ _	If yes, optional Wetland S	Site ID:	
TRC covertype is UPL. Drought					
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of	one is required; c	heck all that apply)		Secondary Indicators (minimu Surface Soil Cracks (B6)	m of two required)
Surface Water (A1)	_	_ Water-Stained Lea		Surface Soil Cracks (B6) Drainage Patterns (B10)	
High Water Table (A2)	_	_ Aquatic Fauna (B13		Moss Trim Lines (B16)	
Saturation (A3)	_	_ Marl Deposits (B15		Dry-Season Water Table (C	2)
Water Marks (B1)	_	_ Hydrogen Sulfide (Crayfish Burrows (C8)	•
Sediment Deposits (B2)	_	•	eres on Living Roots (C3)	✓ Saturation Visible on Aeria	l Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)	_	Presence of Reduc	ed Iron (C4) tion in Tilled Soils (C6)	Stunted or Stressed Plants	(D1)
Iron Deposits (B5)	_	_ Thin Muck Surface		Geomorphic Position (D2)	
Inundation Visible on Aerial Ir	magery (B7)	_ Other (Explain in R		Shallow Aquitard (D3)	
Sparsely Vegetated Concave S		_ 0 (2./p.a		Microtopographic Relief (D	14)
				FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present?	Yes No _	•			
Water Table Present?	Yes No _	<u>✓</u> Depth (i	inches):	Wetland Hydrology Present?	Yes No _∠
Saturation Present?	Yes No _	✓ Depth (i	inches):		
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream Remarks:	gauge, monitorin	g well, aerial photos	, previous inspections), if a	available:	

·				Ta		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
1. Juglans nigra	10	Yes	FACU	Total Number of Dominant Species		
2.				Across All Strata:	3	(B)
3.				Percent of Dominant Species That		(1.45)
4				- Are OBL, FACW, or FAC:	0	(A/B)
5				Prevalence Index worksheet:		-
6.				Total % Cover of:	<u>Multiply</u>	By:
7				- OBL species 0	x 1 =	0
	10	= Total Cov	er	FACW species 5	x 2 =	10
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1.				FACU species 110	x 4 =	440
2.				- UPL species 0	x 5 =	0
3.				- Column Totals 115	(A)	450 (B)
4				Prevalence Index = B/A =	3.9	
5				Hydrophytic Vegetation Indicators:		
6				1- Rapid Test for Hydrophytic	Vegetation	1
7				2 - Dominance Test is > 50%	0	
	0	= Total Cov	er	3 - Prevalence Index is ≤ 3.0¹		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphological Adaptations	¹ (Provide	supporting
1. Solidago canadensis	60	Yes	FACU	data in Remarks or on a separate sh		
2. Hesperis matronalis	25	Yes	FACU	Problematic Hydrophytic Vege	etation¹ (Ex	xplain)
3. <i>Alliaria petiolata</i>	15	No	FACU	¹ Indicators of hydric soil and wetlan	nd hydrolo	gy must be
4. <i>Impatiens capensis</i>	5	No	FACW	present, unless disturbed or proble	matic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) o	r more in	diameter at
7				breast height (DBH), regardless of h	ieight.	
8.				Sapling/shrub – Woody plants less t		DBH and
9				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2		20.6
12				Woody vines – All woody vines grea	ter than 3	.28 ft in
	105	= Total Cov	er	height.		
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetation Present?	Yes N	No <u> </u>
1				_		
2				_		
3				_		
4				_		
	0	= Total Cov	er			
Remarks: (Include photo numbers here or on a sep	arato choot \					
kemarks. (include prioto numbers here or on a sep	arate srieet.)					

Profile Des	cription: (Describe	to the	depth needed to	docu	ment the	indicator	or confirm the a	absence of indicate	ors.)
Depth	Matrix		Redox	c Fea	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Tex	ture	Remarks
0 - 20	10YR 2/1	98	5YR 3/4	2	C	M/PL	Silty Cla	ay Loam	
				_					
				_					-
		- —		_					
	-	- —		_					
				_					
				_					
		- —		_				_	
				_					
				_			-		
¹Type: C =	Concentration, D =	Deplet	ion, RM = Reduce	d Ma	trix, MS =	= Masked	Sand Grains. 2l	Location: PL = Pore	e Lining, M = Matrix.
Hydric Soil	Indicators:					· · · · · ·		Indicators for P	roblematic Hydric Soils³:
Histoso	ol (A1)		Polyvalue B	elow	Surface (S8) (LRR I	R, MLRA 149B)	2 cm Muck i	(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark S						e Redox (A16) (LRR K, L, R)
Black H	listic (A3)		Loamy Muc	ky Mi	neral (F1) (LRR K, L	_)		Peat or Peat (S3) (LRR K, L, R)
Hydrog	gen Sulfide (A4)		Loamy Gley						e (S7) (LRR K, L)
	ed Layers (A5)		Depleted M						elow Surface (S8) (LRR K, L)
	ed Below Dark Surfa	ace (A1							urface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da			7)			nese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depr	essic	ns (F8)			_	loodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)								ic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							Red Parent	
Strippe	d Matrix (S6)								w Dark Surface (TF12)
Dark Su	urface (S7) (LRR R, N	ILRA 1	49B)					Other (Expl	
³ Indicators	of hydrophytic veg	etation	n and wetland hyd	Irolo	gy must k	oe presen	t, unless disturb	•	
-	Layer (if observed):				<i></i>	1	,	'	
	Type:		None			Hydric S	oil Present?		Yes _ ✓_ No
	Depth (inches):			,		1.1, 4.1.10			
Remarks:	Depart (inches).								
Remarks.									
ĺ									

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Po	rt Byron, Cayuga	Sampling Date: 2020-June-1				
Applicant/Owner: NextEra			State: NY	Sam _l	pling Point: W-NS	SD-10; UPL-1		
Investigator(s): Nick DeJohn, E	3ridgette Rooney		Section, Township	, Range:				
Landform (hillslope, terrace, etc.	.): Hillslope		Local relief (concave, con	vex, none): Con	ivex	Slope (%): 2-5		
Subregion (LRR or MLRA):	LRR L		Lat: 43.11707179	53 Long: -76.6	6214643047	Datum: WGS84		
Soil Map Unit Name: Ontario	loam, 8 to 15 percer	nt slopes			NWI classification	n:		
Are climatic/hydrologic condition	ns on the site typica	l for this time of y	ear? Yes No	o 🟒 (If no, expl	ain in Remarks.)			
Are Vegetation, Soil,		significantly d	listurbed? Are "Norm	nal Circumstance	es" present?	Yes No		
Are Vegetation, Soil,	or Hydrology _	naturally prol	olematic? (If needed	, explain any ans	swers in Remarks.	.)		
SUMMARY OF FINDINGS –	Attach site map s	showing sampl	ing point locations, tra	nsects, impor	tant features,	etc.		
Hydrophytic Vegetation Present		No						
			Is the Campled Area with	sin a Watland?	Vo	. No /		
Hydric Soil Present?		No _ _ _	Is the Sampled Area with		res	s No <u>_</u> ∠		
Wetland Hydrology Present?	Yes _	No / _	If yes, optional Wetland S	Site ID:				
Remarks: (Explain alternative p	rocedures here or in	a separate repor	t)					
TRC covertype is UPL. Drought								
3,1								
IVDDOLOCY								
HYDROLOGY								
Wetland Hydrology Indicators:								
Primary Indicators (minimum o	f one is required: ch	eck all that apply	1	Secondary Indi	icators (minimum	of two required)		
- Timary marcators (minimam o	r one is required, en	eck all that apply	L	-	il Cracks (B6)	rortwo requireas		
Surface Water (A1)		Water-Stained Le	eaves (B9)		atterns (B10)			
High Water Table (A2)		. Aquatic Fauna (B		Moss Trim				
Saturation (A3)		Marl Deposits (B			n Water Table (C2)	1		
Water Marks (B1)		Hydrogen Sulfide	e Odor (C1)	Crayfish Bu				
Sediment Deposits (B2)			oheres on Living Roots (C3)	-	Visible on Aerial I	magery (C9)		
Drift Deposits (B3)		Presence of Red	uced Iron (C4)		Stressed Plants (I			
Algal Mat or Crust (B4)		Recent Iron Redu	uction in Tilled Soils (C6)		ic Position (D2)	J1)		
Iron Deposits (B5)		Thin Muck Surfa	ce (C7)	Shallow Aq				
Inundation Visible on Aerial	Imagery (B7)	Other (Explain in	Remarks)					
Sparsely Vegetated Concave	Surface (B8)				graphic Relief (D4))		
				FAC-Neutra	al lest (D5)			
Field Observations:								
Surface Water Present?	Yes No	<u>✓</u> Depth	i (inches):	_				
Water Table Present?	Yes No	∠ Depth	n (inches):	Wetland Hydro	ology Present?	Yes No		
Saturation Present?	Yes No	∠ Depth	(inches):					
(includes capillary fringe)		- '	· · ·	-				
								
Describe Recorded Data (stream	n gauge, monitoring	g well, aerial photo	os, previous inspections), if	available:				
Danie and an								
Remarks:								

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksh Number of Dominant S		_	
. Acer saccharum	40	Yes	FACU	Are OBL, FACW, or FAC:	,	0	(A)
2. Carya glabra	20	Yes	FACU	Total Number of Domir	ant Species	4	(D)
3. Ulmus rubra	10	No	FAC	Across All Strata:			(B)
l.				Percent of Dominant Sp	ecies That	0	(A/B)
5.				Are OBL, FACW, or FAC:			
i.				Prevalence Index works			
· ·				Total % Cover		Multiply	-
	70	= Total Cov	er	OBL species	0	x 1 = _	0
apling/Shrub Stratum (Plot size: <u>15 ft</u>)	-	=		FACW species	10	x 2 =	20
				FAC species	10	x 3 =	30
				FACU species	145	x 4 =	580
				- UPL species	0	x 5 = _	0
· ·				Column Totals	165	(A)	630 (B)
-				Prevalence In	dex = B/A =	3.8	
				Hydrophytic Vegetation	Indicators:		
		·		1- Rapid Test for H	lydrophytic \	egetation/	1
•		= Total Cov	or.	2 - Dominance Tes	st is > 50%		
Herb Stratum (Plot size: <u>5 ft</u>)		_ TOTAL COV	- 1	3 - Prevalence Ind	ex is $\leq 3.0^{1}$		
. Podophyllum peltatum	60	Yes	FACU	4 - Morphological			supporting
2. Rosa multiflora	25	Yes	FACU	data in Remarks or on a			
	10	No	FACW	- Problematic Hydro			-
3. Impatiens capensis 4.		INU	FACW	¹Indicators of hydric so		-	gy must be
				present, unless disturb		matic	
5.				Definitions of Vegetation			
5.				Tree – Woody plants 3 i			diameter a
7.				breast height (DBH), reg			DDLLl
3.				Sapling/shrub – Woody greater than or equal to			эвн апо
).				Herb – All herbaceous (gardloss of
0				size, and woody plants			gai uless oi
1				Woody vines – All wood			28 ft in
2				height.	,cs 8. ca		.20
	95	= Total Cov	er	Hydrophytic Vegetation	n Procent?	/oc N	lo (
Noody Vine Stratum (Plot size: <u>30 ft</u>)				Tiyaropriyac vegetado	i i resent:		VO
				-			
				-			
3.				-			
4				-			
	0	= Total Cov	er				

Profile Desc	ription: (Describe t	o the	depth needed to d	docur	ment the	indicato	r or confirm the a	absence of indi	cators.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type¹	Loc2	Textu	ure	Remarks
0 - 11	10YR 3/3	_		_			Sandy I	Loam	
		_		_					
		_		_				-	
		_							
								·	
	-	_						-	
				_					
				-					
				- —				-	
				-					
				-					
		- —		- —					
	oncentration, D = D	eplet	ion, RM = Reduce	d Ma	trix, MS =	Masked	I Sand Grains. ²		Pore Lining, M = Matrix.
Hydric Soil I								Indicators fo	or Problematic Hydric Soils ³ :
Histosol	-						R, MLRA 149B)	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Su					Coast Pra	airie Redox (A16) (LRR K, L, R)
Black His	` '		Loamy Muck	-		(LRR K,	L)	5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
,	en Sulfide (A4)		Loamy Gleye					Dark Sur	face (S7) (LRR K, L)
	d Layers (A5) d Below Dark Surfa	co (A1	Depleted Ma					Polyvalue	e Below Surface (S8) (LRR K, L)
	irk Surface (A12)	ce (A i	Depleted Da			1			k Surface (S9) (LRR K, L)
	lucky Mineral (S1)		Redox Depre			,			nganese Masses (F12) (LRR K, L, R)
	leyed Matrix (S4)		Redox Depr	23310	113 (10)			Piedmon	nt Floodplain Soils (F19) (MLRA 149B)
-	edox (S5)								odic (TA6) (MLRA 144A, 145, 149B)
_	l Matrix (S6)								ent Material (F21)
	rface (S7) (LRR R, M	I D A 1	/QR)					-	llow Dark Surface (TF12)
Dark Su	11ace (37) (LKK K, W	LKA I	430)					Other (E)	xplain in Remarks)
3Indicators	of hydrophytic vege	etatio	n and wetland hyd	rolog	gy must b	e presei	nt, unless disturb	ed or problema	atic.
Restrictive L	.ayer (if observed):								
	Type:		None	_		Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:				-					
Unable to d	ig past 11 inches dı	ie to	rocks and roots						
0.100.000	.8 past 11ees at								

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet	City/County:_ [Port Byron, Cayuga	Sampling D	Sampling Date: 2020-June-19		
Applicant/Owner: NextEra		State: NY	Sampling Poir	nt: W-NSD-11; PEM-1		
Investigator(s): Nick DeJohn, B	ridgette Rooney	Section, Township,	Range:			
Landform (hillslope, terrace, etc.)): Toe	Local relief (concave, conv	ex, none): Concave	Slope (%): 0-1		
Subregion (LRR or MLRA): L	.RR L	Lat: 43.12471563	Long: -76.62840100	001 Datum: WGS84		
Soil Map Unit Name: Appletor	and Lyons soils, 0 to 3 percent slo	opes	NWI clas	sification:		
Are climatic/hydrologic condition	ns on the site typical for this time o		(If no, explain in Rer	marks.)		
Are Vegetation, Soil,	or Hydrology significantly	y disturbed? Are "Norm	al Circumstances" preser	nt? Yes No 🟒		
Are Vegetation, Soil,	or Hydrology naturally p	roblematic? (If needed,	explain any answers in F	Remarks.)		
	Attach site map showing sam	pling point locations, trai	nsects, important fea	tures, etc.		
Hydrophytic Vegetation Present						
Hydric Soil Present?	Yes No	Is the Sampled Area with	n a Wetland?	Yes No		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland S	ite ID:	W-NSD-11		
TRC covertype is PEM. Circumsta	ances are not normal due to agricu	ultural activities				
Wetland Hydrology Indicators: Primary Indicators (minimum of Surface Water (A1) High Water Table (A2)	one is required; check all that app Water-Stained Aquatic Fauna	Leaves (B9)	Surface Soil Cracks (Drainage Patterns (E	310)		
<u>✓</u> Saturation (A3)	Marl Deposits	(B15)	Moss Trim Lines (B10 Dry-Season Water Ta			
Water Marks (B1)	Hydrogen Sulf		Crayfish Burrows (C8			
Sediment Deposits (B2)		ospheres on Living Roots (C3)	Saturation Visible or			
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Re	educed Iron (C4) eduction in Tilled Soils (C6)	Stunted or Stressed	Plants (D1)		
Iron Deposits (B5)	Thin Muck Sur		✓ Geomorphic Position			
Inundation Visible on Aerial I			Shallow Aquitard (D3			
Sparsely Vegetated Concave		,	Microtopographic Re			
Field Observations:			✓ FAC-Neutral Test (D5)		
Surface Water Present?	Yes No <u></u> ✓ De	pth (inches):				
Water Table Present?		pth (inches):	- Wetland Hydrology Pres	sent? Yes No		
Saturation Present?		pth (inches): 5		·		
(includes capillary fringe)	.05	par (e.,e.),	-			
	n gauge, monitoring well, aerial ph	otos previous inspections) if	available.			
Describe Recorded Data (Stream	rgauge, monitoring well, aerial pri	otos, previous inspections), ii a	avallable.			
Remarks:						

<u>'</u>				1			
Tree Stratum (Plot size:30 ft)		Dominant		Dominance Test work			
	% Cover	Species?	Status	Number of Dominant	•	2	(A)
1.				Are OBL, FACW, or FA			
2				Total Number of Dom Across All Strata:	ilnant Species	2	(B)
3				Percent of Dominant	Chasias That		
4				- Are OBL, FACW, or FA	•	100	(A/B)
5				Prevalence Index wor			
6				- Total % Cove		Multiply I	2ve
7				- OBL species	55	x 1 =	55
	0	= Total Cove	er	FACW species	8	x 2 =	16
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	40	x3=	120
1				- FACU species	0	x 4 =	0
2.				- UPL species		-	0
3.					0	x 5 =	
4.				- Column Totals	103	(A) _	191 (B)
5.					Index = B/A =	1.9	
6.				Hydrophytic Vegetation			
7.				1- Rapid Test for		egetation/	
		= Total Cove	er	2 - Dominance T			
Herb Stratum (Plot size: _ 5 ft)		_		3 - Prevalence Ir			
Equisetum arvense	40	Yes	FAC	4 - Morphologic		•	supporting
Lythrum salicaria	30	Yes	OBL	data in Remarks or or	-		
3. Typha angustifolia	20	No No	OBL	- Problematic Hyd			
Eupatorium perfoliatum	8	No No	FACW	- Indicators of hydric s			y must be
5. Scirpus cyperinus				present, unless distur		matic	
		No	OBL	_ Definitions of Vegetat			
6.				Tree – Woody plants 3			liameter at
7				breast height (DBH), r	-	_	DUL
8.				Sapling/shrub – Wood greater than or equal			BH and
9.				Herb – All herbaceous			ardless of
10.				size, and woody plant			ai uless oi
11				Woody vines – All wo			28 ft in
12				height.	Jay Villes Break	ici tilaii 5	20 10 111
	103	_= Total Cove	er		ion Procent? \	/oc / N	^
Woody Vine Stratum (Plot size: 30 ft)				Hydrophytic Vegetat	on Present?	res iv	0
1				=			
2				-			
3.				_			
4				_			
	0	= Total Cove	er				
Remarks: (Include photo numbers here or on a se	enarate sheet)						
The state of the s	.pu. uce oeeu,						

Profile Des	cription: (Describe t	to the o	depth needed to	docun	nent the i	ndicato	r or confirm the	absence of indicators	s.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc2	Te	exture	Remarks
0 - 18	10YR 3/1	90	5YR 3/4	10	С	M	Sandy	Clay Loam	
		_							
		-							
							-		
		-		-					
		- —		. —			-		
		- —		. —					
		. —							
¹Type: C = 0	oncentration, D = I	Depleti	on, RM = Reduce	d Mat	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore L	Lining, M = Matrix.
Hydric Soil									blematic Hydric Soils ³ :
Histoso			Polyvalue Be	elow S	urface (S	8) (LRR	R, MLRA 149B)		•
	oipedon (A2)		Thin Dark Su						10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R)
	istic (A3)		Loamy Muck						
Hydroge	en Sulfide (A4)		Loamy Gleye	-				5 cm Mucky P	eat or Peat (S3) (LRR K, L, R)
Stratifie	d Layers (A5)		Depleted Ma	atrix (I	F3)				
Deplete	d Below Dark Surfa	ice (A1	1) 🗸 Redox Dark	Surfa	ce (F6)				ow Surface (S8) (LRR K, L) face (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Da	ırk Su	rface (F7))			ese Masses (F12) (LRR K, L, R)
Sandy N	Mucky Mineral (S1)		Redox Depr	essior	ns (F8)				odplain Soils (F19) (MLRA 149B)
Sandy C	Gleyed Matrix (S4)								(TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)							Red Parent Ma	
Strippe	d Matrix (S6)								Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, M	ILRA 14	19B)					Other (Explain	
								•	i iii Keiriai KS)
-			and wetland hyd	rolog	y must b	e preser	nt, unless disturb	oed or problematic.	
Restrictive	Layer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:									

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Port	Byron, Cayuga		Sampling Date: 202	20-June-19
Applicant/Owner: NextEra			State: NY		Sampling Point: W-N	SD-11; UPL-1
Investigator(s): Nick DeJohn, Br	idgette Rooney		Section, Township,	Range:		
Landform (hillslope, terrace, etc.):	Hillslope		Local relief (concave, conv	/ex, none):	Convex	Slope (%): 2-5
Subregion (LRR or MLRA): LF	RR L		Lat: 43.124506375	8 Long:	-76.6280454398	Datum: WGS84
Soil Map Unit Name: Appleton	and Lyons soils, 0	to 3 percent slopes	;		NWI classificatio	n:
Are climatic/hydrologic conditions	s on the site typica	l for this time of yea	ar? Yes No	_ ∠ (If no,	explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	turbed? Are "Norm	al Circumst	tances" present?	Yes No _ _ /_
Are Vegetation, Soil,	or Hydrology _	naturally proble	ematic? (If needed,	explain an	y answers in Remarks	.)
SUMMARY OF FINDINGS – A	ttach site man s	showing samplin	ng noint locations, trai	nsects im	nnortant features	etc
Hydrophytic Vegetation Present?		No _ <u> </u>		1150003, 111	iportant reacares,	
Hydric Soil Present?	Yes _	✓_ No	Is the Sampled Area with	nin a Wetlar	nd? Ye	s No⁄_
Wetland Hydrology Present?		No / _	If yes, optional Wetland			
Remarks: (Explain alternative pro	· · · · · · · · · · · · · · · · · · ·			oite iD.		
TRC covertype is UPL. Circumstai	nces are not norm	al due to agricultura	al activities			
HYDROLOGY Wetland Hydrology Indicators:		and all that and a		Canandan	la di adam (asia ia	of face was in all
Primary Indicators (minimum of	one is required; ch	neck all that apply)		-	y Indicators (minimum	of two required)
Surface Water (A1)		_ Water-Stained Lea	ves (B9)		e Soil Cracks (B6)	
High Water Table (A2)		_ Aquatic Fauna (B1			age Patterns (B10) Trim Lines (B16)	
Saturation (A3)		_ Marl Deposits (B15			eason Water Table (C2)	ı
Water Marks (B1)		_ Hydrogen Sulfide (-	sh Burrows (C8)	
Sediment Deposits (B2) Drift Deposits (B3)		_ Oxidized Knizosph _ Presence of Reduc	neres on Living Roots (C3)	Satura	ition Visible on Aerial I	magery (C9)
Algal Mat or Crust (B4)			tion in Tilled Soils (C6)		ed or Stressed Plants (I	01)
Iron Deposits (B5)		_ Thin Muck Surface			orphic Position (D2)	
Inundation Visible on Aerial II		- _ Other (Explain in R			w Aquitard (D3)	
Sparsely Vegetated Concave :	Surface (B8)				copographic Relief (D4))
Field Observations				FAC-N	eutral Test (D5)	
Field Observations: Surface Water Present?	Yes No _	/ Donth (inches):			
		•	inches):	-[V N-
Water Table Present?	Yes No _		inches):	- wetiand F	Hydrology Present?	Yes No
Saturation Present?	Yes No _	<u>✓</u> Depth (inches):	-		
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitoring	g well, aerial photos	s, previous inspections), if	available:		
Remarks:						

<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Flot SizeSo it)	% Cover	Species?	Status	Number of Dominant Species Tha	t o	(A)
1				Are OBL, FACW, or FAC:		
2.				Total Number of Dominant Specie	s 1	(B)
3.				Across All Strata:		
4.				Percent of Dominant Species That	0	(A/B)
5.				Are OBL, FACW, or FAC:		
6.				Prevalence Index worksheet:		
7.				Total % Cover of:	<u>Multiply</u>	-
· ·		= Total Cove	r	- OBL species 3	_ x 1 =	3
Sapling/Shrub Stratum (Plot size:15 ft)		- 10101 COV	.,	FACW species 0	x 2 =	0
, •				FAC species 3	x 3 =	9
				FACU species 0	x 4 =	0
2.				- UPL species 20	x 5 =	100
3.				- Column Totals 26	(A)	112 (B)
4				Prevalence Index = B/A	= 4.3	
5				Hydrophytic Vegetation Indicators		
6				1- Rapid Test for Hydrophytic		n
7				2 - Dominance Test is > 50%	. vegetatioi	'
	0	= Total Cove	er	3 - Prevalence Index is ≤ 3.0		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u>)						supporting
1. <i>Zea mays</i>	20	Yes	UPL	4 - Morphological Adaptation data in Remarks or on a separate		supporting
2. <i>Lythrum salicaria</i>	3	No	OBL	- Problematic Hydrophytic Veg		vnlain)
3. Equisetum arvense		No	FAC	Indicators of hydric soil and wetla	•	
4.				present, unless disturbed or prob	-	igy must be
5.					emane	
6.				Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm)		d:
7.				breast height (DBH), regardless of		diameter at
-				Sapling/shrub – Woody plants less	-	DPU and
8				greater than or equal to 3.28 ft (1		DDH allu
9.				Herb – All herbaceous (non-wood)		gardless of
10				size, and woody plants less than 3		garuless or
11				Woody vines – All woody vines gre		29 ft in
12				height.	ater triair 3	.20 11 111
	26	= Total Cove	er			
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present?	Yes I	Vo <u>/</u>
1				_		
2.						
3.				-		
•				-		
4.				-		
4	0	= Total Cove	er			

	cription: (Describe t	to the	•			indicato	r or confirm the	absence of indicators	s.)
Depth _	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Te	exture	Remarks
0 - 16	10YR 3/1	90	5YR 3/4	10	C	M	Sandy	Clay Loam	
				_					
			-						
				_					
				_					
				_			-		
				_					
		-		_					
¹Type: C = C	oncentration, D = I	Deplet	ion, RM = Reduced	d Mat	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore L	ining, M = Matrix.
Hydric Soil I					-				blematic Hydric Soils ³ :
Histosol			Polyvalua Ba	ا ۱۵۰۰ د	iurface (S	(8) (I DD	R, MLRA 149B)		•
	oipedon (A2)		Polyvalue Be						10) (LRR K, L, MLRA 149B)
HISUC ED			Loamy Muck						Redox (A16) (LRR K, L, R)
l ——				-		(LKK K,	L)	•	eat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Ma					Dark Surface ((S7) (LRR K, L)
	•	(11						Polyvalue Beld	ow Surface (S8) (LRR K, L)
	d Below Dark Surfa	ice (A i						Thin Dark Surf	face (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da)		Iron-Mangane	ese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depre	essior	1S (F8)			Piedmont Floo	odplain Soils (F19) (MLRA 149B)
	ileyed Matrix (S4)							Mesic Spodic ((TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)							Red Parent Ma	
Stripped	d Matrix (S6)								Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	ILRA 1	49B)					Other (Explain	
21	-£								. III Kemanay
			i and welland nyd	rolog	y must be	e preser	it, uniess disturb	ped or problematic.	
	_ayer (if observed): 								
	Type:		None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:									
Ohserved s	oil compaction was	: due t	o agricultural activ	/ities					
Observed s	on compaction was	duc t	o agriculturar activ	ntics.					

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet Energy Cen	ter	City/County: Cond	quest,		Sampling Date: 202	0-June-19
Applicant/Owner: NextEra			State: NY		Sampling Point: W-NS	D-12_PFO-1
Investigator(s): Nick DeJohn, E	Bridgette Rooney		Section, Township	, Range:		_
Landform (hillslope, terrace, etc.): Depression	า	Local relief (concave, con	vex, none):	Concave	Slope (%): 0 to 1
Subregion (LRR or MLRA):	_RR L	.	Lat: 43.116671	Long:	-76.628146	Datum: WGS84
Soil Map Unit Name: Alluvial I	and				NWI classification	n:
Are climatic/hydrologic condition	ns on the site typic	cal for this time of ye	ar? Yes <u></u> ✓ No)(If no	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology	significantly dis	turbed? Are "Norm	al Circumst	ances" present?	/es _ _∕ _ No
Are Vegetation, Soil,	or Hydrology	naturally probl	ematic? (If needed,	, explain any	y answers in Remarks.)	1
SUMMARY OF FINDINGS – A	Attach site map	showing samplir	ng point locations, tra	nsects, im	portant features, e	etc.
Hydrophytic Vegetation Present		No	 			
Hydric Soil Present?		No	Is the Sampled Area with	in a Wetland	d? Ves	No
			·			
Wetland Hydrology Present?		✓ No	If yes, optional Wetland S	oite ID:	W-NS	SD-12
Remarks: (Explain alternative pr	ocedures here or	in a separate report	1			
Covertype is PFO.						
covertype is 11 o.						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	f one is required:	check all that apply)		Secondary	Indicators (minimum	of two required)
				-	e Soil Cracks (B6)	
Surface Water (A1)	_	Water-Stained Lea	ves (B9)			
High Water Table (A2)	_	Aquatic Fauna (B1	3)		ge Patterns (B10)	
✓ Saturation (A3)	_	Marl Deposits (B1			rim Lines (B16)	
Water Marks (B1)		Hydrogen Sulfide	Odor (C1)	-	ason Water Table (C2)	
Sediment Deposits (B2)	_		neres on Living Roots (C3)	-	h Burrows (C8)	
Drift Deposits (B3)	-	Presence of Reduc	•	_✓ Saturat	tion Visible on Aerial Im	nagery (C9)
Algal Mat or Crust (B4)	-		tion in Tilled Soils (C6)	Stunted	d or Stressed Plants (D	1)
Iron Deposits (B5)	_	Thin Muck Surface		_✓ Geomo	orphic Position (D2)	
Inundation Visible on Aerial	Imagon (P7)			Shallov	w Aquitard (D3)	
	0 ,	Other (Explain in F	terriarks)	Microto	opographic Relief (D4)	
Sparsely Vegetated Concave	Surface (B8)				eutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No	✓ Depth	(inches):			
Water Table Present?	Yes No		(inches):	- Wetland H	lydrology Present?	Yes No
Saturation Present?	Yes No		(inches): 8	-	, a. a. a. a.	
(includes capillary fringe)	163 <u>7</u> 140 _	Берит	(inches). 8	-		
						;
Describe Recorded Data (strear	n gauge, monitori	ng well, aerial photos	s, previous inspections), if	available:		
Remarks:						
i						

<u>rree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test work Number of Dominant		4	(4)
1. Fraxinus pennsylvanica	40	Yes	FACW	Are OBL, FACW, or FA	C:		(A)
2. Ulmus americana	20	Yes	FACW	Total Number of Dom	inant Species	4	(B)
				Across All Strata:			(D)
				Percent of Dominant	•	100	(A/B)
				Are OBL, FACW, or FA			
				Prevalence Index wor			
				Total % Cove	r of:	<u>Multiply I</u>	<u>Зу:</u>
	60	= Total Cov	er	- OBL species	60	x 1 =	60
apling/Shrub Stratum (Plot size:15 ft)		-	Ci	FACW species	80	x 2 =	160
apinig/sili do stratum (Flot size. <u>15 lt</u>)				FAC species	0	x 3 =	0
				FACU species	0	x 4 =	0
				- UPL species	0	x 5 =	0
·				- Column Totals	140	(A)	220 (B)
				- Prevalence	Index = B/A =	1.6	
				Hydrophytic Vegetation	on Indicators:		
				1- Rapid Test for		/egetation	
· .				✓ 2 - Dominance T		egetation.	
	0	= Total Cov	er	✓ 3 - Prevalence In			
<u>erb Stratum</u> (Plot size: <u>5 ft</u>)				4 - Morphologica		(Provide s	sunnorting
Symplocarpus foetidus	45	Yes	OBL	- data in Remarks or or			supporting
Impatiens capensis	20	Yes	FACW	- Problematic Hyd			nlain)
Saururus cernuus	15	No	OBL	¹Indicators of hydric s			
				present, unless distur		-	sy mast be
				Definitions of Vegetat			
				Tree – Woody plants 3		more in c	liameter a
				breast height (DBH), r			nameter a
				Sapling/shrub - Wood	_	_	BH and
				greater than or equal			
				Herb – All herbaceous			ardless of
1				size, and woody plant	-		
				Woody vines - All woo	ody vines great	ter than 3.	28 ft in
2		- Tatal Car		height.			
(and a Vine Charles (District 20 ft)	80	_= Total Cov	er	Hydrophytic Vegetati	on Present?	∕es ✓ N	0
oody Vine Stratum (Plot size: <u>30 ft</u>)				, , , , , , ,			
				-			
				-			
·				-			
				-			
·		= Total Cov	٥٢				

Profile Desc Depth	cription: (Describe t Matrix	to the d	epth needed to d Redox			indicato	r or confirm the a	absence of indicato	ors.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Text	ture	Remarks
0 - 20	10YR 2/1	95	5YR 4/6	5	C	M	Silty Cla		
				- —					
			_	- —			-		
				- —					
				- —					
				_					
									
Type: C = C		Depleti	on, RM = Reduced	d Mat	rix, MS =	Masked	Sand Grains. ² l		Lining, M = Matrix. roblematic Hydric Soils ³ :
Histosol			Polvvalue Be	low S	Surface (S	58) (LRR	R, MLRA 149B)		•
	pipedon (A2)		Thin Dark Su						A10) (LRR K, L, MLRA 149B) e Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck			(LRR K,	L)		Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface	e (S7) (LRR K, L)
	d Layers (A5) d Below Dark Surfa	οςο (Δ1 <i>*</i>	Depleted Ma					Polyvalue Be	elow Surface (S8) (LRR K, L)
•	ark Surface (A12)	111) 224	Depleted Da)			urface (S9) (LRR K, L)
	lucky Mineral (S1)		Redox Depre		•	,			nese Masses (F12) (LRR K, L, R)
Sandy G	Gleyed Matrix (S4)		•						oodplain Soils (F19) (MLRA 149B)
Sandy R	ledox (S5)							Red Parent I	c (TA6) (MLRA 144A, 145, 149B) Material (E21)
Stripped	d Matrix (S6)								v Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	ILRA 14	9B)					Other (Expla	
3Indicators	of hydrophytic veg	etation	and wetland hyd	rolog	y must b	e preser	nt, unless disturb	ed or problematic.	
	_ayer (if observed):								
	Type:		None	_		Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									

Photo of Sample Plot West



Project/Site: Garnet Energy Cen	ter	City/County: Con	quest,		Sampling Date: 202	20-June-19
Applicant/Owner: NextEra		_	State: NY		Sampling Point: W-N	SD-12_UPL-1
Investigator(s): Nick DeJohn, B	ridgette Rooney		Section, Township,	Range:		
Landform (hillslope, terrace, etc.): <u>Toe</u>		Local relief (concave, conv	ex, none):_	Convex	Slope (%): 2 to 5
Subregion (LRR or MLRA):	.RR L		Lat: 43.116789	Long:_	-76.627771	Datum: WGS84
Soil Map Unit Name: Palmyra	gravelly loam, 3 to	8 percent slopes			NWI classificatio	n:
Are climatic/hydrologic conditior	s on the site typica	al for this time of ye	ar? Yes 🟒 No	(If no,	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	sturbed? Are "Norma	al Circumsta	ances" present?	Yes No
Are Vegetation, Soil,	or Hydrology _	naturally probl	ematic? (If needed,	explain any	y answers in Remarks	.)
SUMMARY OF FINDINGS – A	Attach site map	showing sampling	ng point locations, trar	nsects, im	portant features,	etc.
			<u> </u>		<u>·</u>	
Hydrophytic Vegetation Present		No				
Hydric Soil Present?		No / _	Is the Sampled Area withi	n a Wetland	d? Yes	sNo_ <u>_</u> /_
Wetland Hydrology Present?	Yes _	No _ _ _	If yes, optional Wetland Si	ite ID:		
Covertype is UPL.						
Wetland Hydrology Indicators: Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave		_ Water-Stained Lea _ Aquatic Fauna (B1 _ Marl Deposits (B1 _ Hydrogen Sulfide _ Oxidized Rhizosph _ Presence of Reduc	3) 5) Odor (C1) neres on Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7)	Surface Drainag Moss T Dry-Sea Crayfisi Saturat Stuntee Geomo Shallov Microto	v Indicators (minimum e Soil Cracks (B6) ge Patterns (B10) frim Lines (B16) ason Water Table (C2) sh Burrows (C8) tion Visible on Aerial I d or Stressed Plants (I orphic Position (D2) w Aquitard (D3) opographic Relief (D4) eutral Test (D5)	magery (C9) D1)
Field Observations:					24141 1636 (23)	
Surface Water Present?	Yes No _	✓ Depth	(inches):			
Water Table Present?	Yes No _	·	(inches):	- Wetland ⊔	lydrology Present?	Yes No _ ✓
			· · · · · · · · · · · · · · · · · · ·	- Wedana II	lydrology i reseric.	
Saturation Present?	Yes No _	<u>√</u> Depth	(inches):	_		
(includes capillary fringe)						.
Describe Recorded Data (stream	i gauge, monitorin	g weil, aeriai prioto:	s, previous inspections), ii a	ачанаше.		

Tree Stratum (Plot size: <u>30 ft</u>)		Dominant Species?	Indicator Status	Dominance Test worksh Number of Dominant S			
. Acer saccharum	50	Yes	FACU	Are OBL, FACW, or FAC:	•	1	(A)
2. Fraxinus americana	25	Yes	FACU	Total Number of Domir	ant Species	4	(D)
. Prunus serotina	10	No	FACU	Across All Strata:			(B)
				Percent of Dominant Sp		25	(A/B)
j.				Are OBL, FACW, or FAC:			`
i.				Prevalence Index works			_
				Total % Cover		Multiply	-
	85	= Total Cov	er	- OBL species	0	x 1 = _	0
apling/Shrub Stratum (Plot size:15 ft)		_		FACW species	0	x 2 = _	0
				FACILITY SPECIES	25	x 3 = _	75
				- FACU species - UPL species	147	x 4 = _	588
				- Column Totals	0	x 5 = _	0
				_	172	(A) _	663 (B)
				Prevalence In		3.9	
				Hydrophytic Vegetation			
				1- Rapid Test for H		egetation/	
	0	= Total Cov	er	2 - Dominance Tes			
lerb Stratum (Plot size:5 ft)		=		3 - Prevalence Ind			
. Fraxinus americana	35	Yes	FACU	4 - Morphological			supporting
. Amphicarpaea bracteata	25	Yes	FAC	data in Remarks or on a	-		
. Acer saccharum	12	No	FACU	Problematic Hydric			
. Liriodendron tulipifera	10	No	FACU	Indicators of hydric sol		-	gy must be
. Rosa multiflora		No	FACU	Definitions of Vegetatio		Hatic	
				Tree – Woody plants 3 i		r more in a	diameter a
,				breast height (DBH), re			alameter a
				Sapling/shrub - Woody			BH and
·				greater than or equal to			
0				Herb – All herbaceous (non-woody)	plants, reg	gardless of
1				size, and woody plants	less than 3.2	8 ft tall.	
2.				Woody vines - All wood	ly vines great	ter than 3.	28 ft in
	87	= Total Cov	er	height.			
Voody Vine Stratum (Plot size: <u>30 ft</u>)		-	-	Hydrophytic Vegetation	n Present?	/es N	lo <u> </u>
·				-			
				-			
i.				-			
		= Total Cov	er	-			

	cription: (Describe	to the de				indicato	r or confirm the a	absence of i	indicato	rs.)	
Depth	Matrix		Redox								
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	<u> </u>		Remarks	
0 - 7	10YR 3/3	100		_			Loam				
7 - 18	10YR 4/3	100		_			Silt Loar	m			
								,			
				_							
				_			-				
	-			_							
				_							
	•			_							
				_							
				_							
				_							
¹Type: C = 0	Concentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	l Sand Grains. 2	Location: PL	_ = Pore	Lining, M = Matrix.	
Hydric Soil	Indicators:							Indicator	rs for Pro	oblematic Hydric Soils³:	
Histoso	l (A1)		Polyvalue Bel	ow S	Surface (S	8) (LRR	R, MLRA 149B)	2 cm	Muck (A	(10) (LRR K, L, MLRA 149B)	
Histic E	pipedon (A2)		Thin Dark Sur	face	(S9) (LRF	RR, MLR	A 149B)			Redox (A16) (LRR K, L, R)	
Black H	istic (A3)		Loamy Mucky			(LRR K,	L)			Peat or Peat (S3) (LRR K, L, R)	
	en Sulfide (A4)		Loamy Gleyed						-	(S7) (LRR K, L)	
	ed Layers (A5)		Depleted Mat							low Surface (S8) (LRR K, L)	
	d Below Dark Surf	ace (A11								rface (S9) (LRR K, L)	
	ark Surface (A12)		Depleted Dar)				ese Masses (F12) (LRR K, L, R)	
	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				_	oodplain Soils (F19) (MLRA 149B)	
-	Gleyed Matrix (S4)							Mesi	c Spodic	(TA6) (MLRA 144A, 145, 149B)	
_	Redox (S5)									Material (F21)	
Strippe	d Matrix (S6)									Dark Surface (TF12)	
Dark Su	ırface (S7) (LRR R, N	MLRA 149	9B)					-		n in Remarks)	
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	v must b	e preser	nt. unless disturb			·	
	Layer (if observed)		, , , , , , , , , , , , , , , , , , ,	0	,		,				
restrictive	Type:	•	None			Hydric	: Soil Present?		Voc	_ No ∠ _	
	• •	-	None			riyuric	. Joil Fresent:		163	_ NO <u>_ /</u> _	
	Depth (inches):										
Remarks:											

Photo of Sample Plot West



Project/Site: Garnet	City/County:_P	ort Byron, Cayuga	Sampling Date:	2020-June-22
Applicant/Owner: NextEra		State: NY	Sampling Point: \	V-NSD-13; PFO-1
Investigator(s): Nick DeJohn, Ry	yan Snow	Section, Township, Ra	nge:	
Landform (hillslope, terrace, etc.):	: Depression	Local relief (concave, convex,	none): Concave	Slope (%): 0-1
Subregion (LRR or MLRA): LI	RR L	Lat: 43.1372958608	Long: -76.6298421007	Datum: WGS84
Soil Map Unit Name: Lamson r	mucky fine sandy loam		NWI classific	ation:
Are climatic/hydrologic condition:	s on the site typical for this time of		🖊 (If no, explain in Remark	(S.)
Are Vegetation, Soil,	or Hydrology significantly		Circumstances" present?	Yes _ ✓ No
Are Vegetation, Soil,	or Hydrology naturally pro	oblematic? (If needed, exp	plain any answers in Rema	arks.)
SUMMARY OF FINDINGS – A	attach site map showing samp	oling point locations, transe	ects, important feature	es, etc.
Hydrophytic Vegetation Present?			<u> </u>	
Hydric Soil Present?	Yes <u></u> No	Is the Sampled Area within a	Wetland?	Yes/_ No
		·		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Site	ID:	W-NSD-13
Remarks: (Explain alternative pro	ocedures here or in a separate repo	ort)		
I				
TRC covertype is PFO. Drought				
11/2201057				
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of	one is required; check all that appl	y). Se	condary Indicators (minin	num of two required)
•			_ Surface Soil Cracks (B6)	•
Surface Water (A1)	Water-Stained		_ Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (_ Moss Trim Lines (B16)	
Saturation (A3) Water Marks (B1)	Marl Deposits (Hydrogen Sulfic		_ Dry-Season Water Table	(C2)
Sediment Deposits (B2)		spheres on Living Roots (C3) —	_ Crayfish Burrows (C8)	
Drift Deposits (B3)	Presence of Re		_ Saturation Visible on Aer	rial Imagery (C9)
Algal Mat or Crust (B4)		duction in Tilled Soils (C6)	_ Stunted or Stressed Plar	
Iron Deposits (B5)	Thin Muck Surf	ace (C7)	<u>′</u> Geomorphic Position (D2	2)
Inundation Visible on Aerial I		in Remarks) —	_ Shallow Aquitard (D3)	
Sparsely Vegetated Concave			_ Microtopographic Relief	(D4)
Field Observations			<u>′</u> FAC-Neutral Test (D5)	
Field Observations:	Vac. No. 4	the Construction		
Surface Water Present?	·	th (inches):		
Water Table Present?	•	th (inches):	etland Hydrology Present	? Yes No
Saturation Present?	Yes No/ Dep	th (inches):		
(includes capillary fringe)				
Describe Recorded Data (stream	gauge, monitoring well, aerial pho	tos, previous inspections), if ava	ilable:	
Domarke				
Remarks:				

Yes Yes No Total Cove Yes No Total Cove Yes No No No	FACW FAC FACW	Are OBL, FACW, or FAC: Total Number of Dominal Across All Strata: Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index works Total % Cover of OBL species FACW species FACU species FACU species UPL species UPL species UPL species UPL species	ecies That heet: 10 100 97 5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.01	6 100 Multiply E x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	(A) (B) (A/B) 200 291 20 0 521 (B)
Total Covery Yes No Total Covery Yes No Yes Yes No	FACW FAC FACW FACW FACW	Across All Strata: Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index works! Total % Cover of OBL species FACW species FACU species UPL species Column Totals Prevalence Index Hydrophytic Vegetation 1 - Rapid Test for Hy 2 - Dominance Test 4 - Morphological A	ecies That heet: 10 100 97 5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.01	Multiply E x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	(A/B) 10 200 291 20 0
Total Covery Yes No Total Covery Yes Yes Yes No No Yes Yes No	FACW FAC FACW PACW FACW	Percent of Dominant Sp Are OBL, FACW, or FAC: Prevalence Index works! Total % Cover of OBL species FACW species FACU species UPL species Column Totals Prevalence Index Hydrophytic Vegetation 1 - Rapid Test for Hy 2 - Dominance Test 1 - A - Morphological A	neet: 10 100 97 5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.0¹	Multiply E x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	(A/B) 10 200 291 20 0
Yes Yes No Total Cove Yes Yes No	FACW FAC FACW PACW FACW	Are OBL, FACW, or FAC: Prevalence Index works! Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence Index 1- Rapid Test for Hy 2 - Dominance Test 2 - Morphological A	neet: 10 100 97 5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.0¹	Multiply E x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	10 200 291 20 0
Yes Yes No Total Cove Yes Yes No	FACW FAC FACW PACW FACW	Prevalence Index works Total % Cover of OBL species FACW species FACU species UPL species Column Totals Prevalence Index 1- Rapid Test for Hy 2 - Dominance Test 4 - Morphological A	10 100 97 5 0 212 dex = B/A =	x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	10 200 291 20 0
Yes Yes No Total Cove Yes Yes No	FACW FAC FACW PACW FACW	Total % Cover of OBL species FACW species FACU species FACU species UPL species Column Totals Prevalence Inc Hydrophytic Vegetation 1 - Rapid Test for Hy 2 - Dominance Test 1 - A - Morphological A	10 100 97 5 0 212 dex = B/A =	x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	10 200 291 20 0
Yes Yes No Total Cove Yes Yes No	FACW FAC FACW PACW FACW	- OBL species FACW species FAC species - FACU species - UPL species - Column Totals - Prevalence Inc - Hydrophytic Vegetation - 1- Rapid Test for Hy - 2 - Dominance Test - 3 - Prevalence Inde	10 100 97 5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.0¹	x 1 = x 2 = x 3 = x 4 = x 5 = (A) 2.5	10 200 291 20 0
Yes Yes No Total Cove Yes Yes No	FACW FAC FACW PACW FACW	FACW species FAC species FACU species UPL species Column Totals Prevalence Inc Hydrophytic Vegetation 1- Rapid Test for Hy 2 - Dominance Test 3 - Prevalence Inde 4 - Morphological A	100 97 5 0 212 dex = B/A =	x 3 = x 4 = x 5 = (A) 2.5	200 291 20 0
Yes No Total Cove Yes Yes No	FACW FACW FACW	FAC species FACU species UPL species Column Totals Prevalence Inc Hydrophytic Vegetation 1- Rapid Test for Hy 2 - Dominance Test 2 - Prevalence Inde 4 - Morphological A	97 5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.0¹	x 3 = x 4 = x 5 = (A) 2.5	291 20 0
Yes No Total Cove Yes Yes No	FACW FACW FACW	FACU species UPL species Column Totals Prevalence Inc Hydrophytic Vegetation 1- Rapid Test for Hy 2 - Dominance Test 2 - Prevalence Inde 4 - Morphological A	5 0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.01	x 4 = x 5 = (A) 2.5	20 0
Total Cove Yes Yes No	FACW Pr FACW	UPL species Column Totals Prevalence Inc Hydrophytic Vegetation 1- Rapid Test for Hy 2 - Dominance Test 2 - Prevalence Inde 4 - Morphological A	0 212 dex = B/A = Indicators: ydrophytic V t is >50% ex is ≤ 3.01	x 5 = (A) 2.5	0
Total Cove Yes Yes No	er FACW	- Column Totals - Prevalence Inc - Hydrophytic Vegetation - 1- Rapid Test for H - 2 - Dominance Test - 3 - Prevalence Inde - 4 - Morphological A	212 dex = B/A = Indicators: ydrophytic V t is >50% ex is $\leq 3.0^{1}$	(A)	
Yes Yes No	FACW	Prevalence Inc Hydrophytic Vegetation 1- Rapid Test for Hy 2 - Dominance Test 3 - Prevalence Inde 4 - Morphological A	dex = B/A =	2.5	<u> </u>
Yes Yes No	FACW	Hydrophytic Vegetation 1- Rapid Test for H 2 - Dominance Test 2 - Prevalence Inde	Indicators: ydrophytic V t is >50% ex is ≤ 3.01		
Yes Yes No	FACW	1- Rapid Test for H 2 - Dominance Test 2 - Prevalence Inde 4 - Morphological A	ydrophytic V t is >50% ex is ≤ 3.0¹	egetation	
Yes Yes No	FACW	2 - Dominance Test 3 - Prevalence Inde 4 - Morphological A	t is >50% ex is ≤ 3.0¹	egetation	
Yes Yes No	FACW	3 - Prevalence Inde	ex is $\leq 3.0^{1}$		
Yes Yes No	FACW	4 - Morphological A			
Yes No					
Yes No					upporting
No		data in Remarks or on a			
	OBL	- Problematic Hydro			
	FACW	¹Indicators of hydric soil		, ,	y must be
		present, unless disturbe		natic	
No No	FAC	Definitions of Vegetation			_
No	FACU	Tree – Woody plants 3 in			iameter a
		-		_	.
					BH and
		- I ~ · ·			ardlass of
				_	aruiess oi
		* '			00 ft in
			y viries great	ei tilali 5.2	20 11 111
Total Cove	er				
		Hydrophytic Vegetation	Present? Y	es 🟒 No	·
		_			
		_			
		.]			
Total Cove	er				
		Total Cover	Sapling/shrub – Woody greater than or equal to Herb – All herbaceous (r size, and woody plants l Woody vines – All woody height. Total Cover Hydrophytic Vegetation	Sapling/shrub – Woody plants less the greater than or equal to 3.28 ft (1 m) Herb – All herbaceous (non-woody) plants less than 3.28 Woody vines – All woody vines great height. Hydrophytic Vegetation Present? Y	Hydrophytic Vegetation Present? Yes/_ No

	=	to the de	•			ndicato	or confirm the	absence of indicators	5.)		
Depth	Matrix		Redox								
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc2	Texture		Remarks		
0 - 10	10YR 2/2	100		_			Loam				
10 - 20	10YR 5/2	95	10YR 5/6	5	C	M	Sandy	Clay Loam			
				_							
-	-			_							
				_							
	-			_							
				_							
				_							
				_							
				_							
¹Type: C =	Concentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. 2	² Location: PL = Pore L	ining, M = Matrix.		
Hydric Soil	Indicators:							Indicators for Pro	blematic Hydric Soils³:		
Histoso	ol (A1)		Polyvalue Bel	ow S	urface (S	8) (LRR I	R, MLRA 149B)	2 cm Muck (A1	10) (LRR K, L, MLRA 149B)		
	pipedon (A2)					D MI DA 140D)			e Redox (A16) (LRR K, L, R)		
	listic (A3)		Loamy Mucky			(LDD V I)			cky Peat or Peat (S3) (LRR K, L, R)		
, ,	gen Sulfide (A4)		Loamy Gleyed			Dark Surfac					
l ——	ed Layers (A5)		Depleted Mat					Polyvalue Below Surface (S8) (LRR K, L)			
	ed Below Dark Surf	ace (A11						Thin Dark Surface (S9) (LRR K, L)			
l ——	Dark Surface (A12)		Depleted Dar						ese Masses (F12) (LRR K, L, R)		
	Mucky Mineral (S1)		Redox Depre	ssior	is (F8)			Piedmont Floo	odplain Soils (F19) (MLRA 149B)		
-	Gleyed Matrix (S4)							Mesic Spodic ((TA6) (MLRA 144A, 145, 149B)		
-	Redox (S5)							Red Parent Ma	aterial (F21)		
	ed Matrix (S6)								Dark Surface (TF12)		
Dark S	urface (S7) (LRR R, N	MLRA 149	9B)					Other (Explain	ı in Remarks)		
3Indicators	of hydrophytic veg	getation a	and wetland hydr	olog	y must be	e presen	it, unless disturb	ped or problematic.			
Restrictive	Layer (if observed)	:	-								
	Type:		None			Hvdric	Soil Present?		Yes/_ No		
	Depth (inches):					'					
Remarks:	Depair (meries):										
Remarks.											

Vegetation Photos



Soil Photos



Photo of Sample Plot





Project/Site: Garnet		City/County: Port	Byron, Cayuga		Sampling Date: 2020-June-22			
Applicant/Owner: NextEra			State: NY		Sampling Point: W-NSD-13; UPL-1			
Investigator(s): Nick DeJohn, R	yan Snow		Section, Township,	Range:				
Landform (hillslope, terrace, etc.)): Agricultural Fie	eld I	Local relief (concave, conv	/ex, none):	Flat	Slope (%): 0-1		
Subregion (LRR or MLRA): L	RR L		Lat: 43.137458763	1 Long:	-76.6297758837	Datum: WGS84		
Soil Map Unit Name: Lamson	mucky fine sandy loa	ım			NWI classification	າ:		
Are climatic/hydrologic condition		-		_ ∠ (If no,	explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology	significantly dis	turbed? Are "Norm	al Circumst	tances" present?	Yes No _ _ _		
Are Vegetation, Soil,	or Hydrology	naturally proble	ematic? (If needed,	explain an	y answers in Remarks.)		
SUMMARY OF FINDINGS – A	Attach site map sh	nowing samplin	g point locations, trai	nsects, im	nportant features, e	etc.		
Hydrophytic Vegetation Present		No	<u> </u>		·			
Hydric Soil Present?		No	Is the Sampled Area with	nin a Wetlar	nd? Yes	sNo⁄_		
			i					
Wetland Hydrology Present?	· · · · · · · · · · · · · · · · · · ·	_ No	If yes, optional Wetland	Site ID:				
Remarks: (Explain alternative pr	ocedures here or in a	a separate report)						
TRC covertype is UPL. Circumsta	inces are not normal	due to agricultura	al activities					
HYDDOLOGY								
HYDROLOGY								
Wetland Hydrology Indicators:								
Primary Indicators (minimum of	one is required; che	ck all that apply)		Secondary	y Indicators (minimum	of two required)		
Confere Mater (A1)		 Matau Ctainad Lan	(DO)	Surfac	e Soil Cracks (B6)	-		
Surface Water (A1)		Water-Stained Leav		Draina	age Patterns (B10)			
High Water Table (A2) Saturation (A3)		Aquatic Fauna (B13 Marl Deposits (B15		Moss Trim Lines (B16)				
Saturation (AS) Water Marks (B1)		Hydrogen Sulfide (-	eason Water Table (C2)			
Sediment Deposits (B2)			neres on Living Roots (C3) — Crayfish Burrows (C8)					
Drift Deposits (B3)		Presence of Reduc	iced Iron (C4) Saturation Visible on Aeriai Imagery (C9)					
Algal Mat or Crust (B4)			ction in Tilled Soils (C6) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)		Thin Muck Surface			orphic Position (D2)			
Inundation Visible on Aerial		Other (Explain in R			Shallow Aquitard (D3)			
Sparsely Vegetated Concave	-			Microtopographic Relief (D4) FAC-Neutral Test (D5)				
Field Observations	_			FAC-N	eutrai iest (D5)			
Field Observations: Surface Water Present?	Yes No _ _	Z Donth (i	inchas):					
Water Table Present?	Yes No _ _	•	-	- Watland L	Hydrology Present?	Yes No _ _ ∠		
				- Wettallu F	nyurology Present?	163 NO Z		
Saturation Present?	Yes No	Depth (i		-				
(includes capillary fringe)						<u> </u>		
Describe Recorded Data (stream	າ gauge, monitoring v	well, aerial photos	, previous inspections), if	available:				
Remarks:								

·			_	D . T . II .		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u>)		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species That	0	(A)
1				Are OBL, FACW, or FAC: Total Number of Dominant Species		
2				- Across All Strata:	1	(B)
3				Percent of Dominant Species That		
4.				- Are OBL, FACW, or FAC:	0	(A/B)
5				Prevalence Index worksheet:	-	
6.				- Total % Cover of:	Multiply E	Rv.
7				- OBL species 0	x 1 =	<u>.y.</u>
	0	= Total Cov	er	FACW species 0	. ^ ' <u> </u>	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 2	. x3=	6
1				· ·	-	
2.					. ×4=	0
3.				UPL species 0	x 5 =	0
4.				- Column Totals 2	(A) _	6 (B)
5.				Prevalence Index = B/A =	3	
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic	Vegetation	
··		= Total Cov	or	2 - Dominance Test is > 50%		
Haula Chushiyas (Dlah sina) - E.ft -)		- TOLAT COV	eı	\checkmark 3 - Prevalence Index is ≤ 3.01		
Herb Stratum (Plot size: 5 ft)	20	Voc	NII	4 - Morphological Adaptation:	s¹ (Provide s	supporting
1. Glycine max		Yes	NI	data in Remarks or on a separate s	heet)	
2. Rumex crispus	2	No	FAC	- Problematic Hydrophytic Veg		
3.				Indicators of hydric soil and wetla	nd hydrolog	gy must be
4				present, unless disturbed or proble	ematic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) o		liameter at
7				breast height (DBH), regardless of	-	
8.				Sapling/shrub – Woody plants less		BH and
9				greater than or equal to 3.28 ft (1 r		
10				Herb – All herbaceous (non-woody		ardless of
11				size, and woody plants less than 3.		
12				Woody vines – All woody vines grea	ater than 3.2	28 ft in
	32	= Total Cov	er	height.		
Woody Vine Stratum (Plot size: 30 ft)		-		Hydrophytic Vegetation Present?	Yes N	0
1.						
2.				-		
3.				-		
				-		
4.				-		
4		= Total Cov	er			

Profile Desc	ription: (Describe to	o the d	epth needed to d	ocun	nent the	indicato	r or confirm the a	absence of i	ndicators.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Loc² Texture		Remarks
0 - 18	10YR 4/1	95	10YR 5/8	5	C	М			
				_					
				_					
				_			-		
				_					
				_					
				_			•		
				_			-		
				_					
				_					
				_			-		
l .		 .		_				 .	
	Concentration, D = D	epletio	on, RM = Reduced	ı Mat	rix, MS =	Masked	Sand Grains. 2		= Pore Lining, M = Matrix.
Hydric Soil I								Indicator	rs for Problematic Hydric Soils³:
Histosol			Polyvalue Be					2 cm	Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su				-	Coas	t Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Muck	_		(LRR K,	L)	5 cm	Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye					Dark	Surface (S7) (LRR K, L)
	d Below Dark Surfa	ce (Δ11	•						alue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	CC (/ () 1	Depleted Da)			Dark Surface (S9) (LRR K, L)
	lucky Mineral (S1)		Redox Depre			,			Manganese Masses (F12) (LRR K, L, R)
	ileyed Matrix (S4)				,				nont Floodplain Soils (F19) (MLRA 149B)
-	edox (S5)								c Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)								Parent Material (F21)
	rface (S7) (LRR R, M	I RA 14	9B)					-	Shallow Dark Surface (TF12)
			,					Othe	r (Explain in Remarks)
3Indicators	of hydrophytic vege	etation	and wetland hyd	rolog	y must b	e preser	nt, unless disturb	ed or probl	ematic.
Restrictive I	_ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									

Vegetation Photos



Soil Photos



Photo of Sample Plot