SOIL Sampling Point: 66-W011-4W

Profile Description Depth	ription: (Describe to the Matrix	ne depth need		ne indicator Features	or confirm	n the abser	nce of indicators	5.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 3/2	95	7.5YR 5/6	5	C	PL,M	Silty Clay	Tomano
	10111 0/2		7.0111.070				City Olay	
								<u> </u>
							-	
		· —						
								
				_				
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduce	ed Matrix, MS=Masl	ked Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils3:
Histosol	(A1)		Polyvalue Belov	v Surface (S8	3) (LRR R	,MLRA 149	B) 2 cm l	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	Thin Dark Surfa					Prairie Redox (A16) (LRR K, L, R)
Black His		_	Loamy Mucky M					Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N		, - /			Surface (S7) (LRR K, L)
	Layers (A5)	_	Depleted Matrix					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	\11\	Redox Dark Sur					Park Surface (S9) (LRR K, L)
	rk Surface (A12)	<u> </u>	Depleted Dark S					langanese Masses (F12) (LRR K, L, R)
		_		, ,				
	ucky Mineral (S1)	-	Redox Depressi	ions (F8)				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
Dark Sur	face (S7) (LRR R, ML	.RA 149B)					Other	(Explain in Remarks)
³ Indicators of	hydrophytic vegetation	and wetland h	ydrology must be p	resent, unles	s disturbed	d or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):		<u> </u>				Hydric Soil Pr	esent? Yes <u>X</u> No
Remarks:								
. tomario								

Project/Site:	21028 Hoffman Fa	alls Wetland Delinea	ation City	/County: Towns of Ea	aton, Fenner, N	lelson, and Smit	Sampling Date:	07/07/2023	
Applicant/Owner:			Renewables	, 			: New York Sampling Point: 66-W011-5U		
Investigator(s):		JB, AT	Sec	tion, Township, Range	e: Towns of E	aton, Fenner, Ne	lson, and Smithfie	eld, Madison Count	
Landform (hillslope, t	errace, etc):	Hillslope	Local relief (concave, convex, nor	ne):	convex	Slope	e (%): 0-5	
Subregion (LRR or M	ILRA): LRR R MLR	A 244, LRR L MLRA	\ 172 Lat:	42.94305367	Long:	-75.7314701	17 Datu	m: WGS 1984	
Soil Map Unit Name:	Wayl	land soils complex,	0 to 3 percent slope	s, frequently flooded		NWI classification	on:		
Are climatic / hydrolo	gic conditions on the	site typical for this	time of year? Yes	X No	(If no, e	explain in Remark	s.)		
Are Vegetation	, Soil,	, or Hydrology	significantly dist	urbed? Are	: "Normal Circu	ımstances" prese	nt? Yes	X No	
	, Soil,				-	n any answers in	•		
SUMMARY OF F	FINDINGS - Atta	ch site map sh	owing samplin	g point location	s, transect	s, important	features, etc.		
Hydrophytic Veget	ation Present?	Yes X	No	Is the Sample	d Area				
Hydric Soil Presen	it?	Yes	No X	within a Wetla	and?	Yes	NoX	<u> </u>	
Wetland Hydrology	/ Present?	Yes	NoX	If yes, optional	l Wetland Site I	ID:			
Remarks: (Explain	alternative procedur	res here or in a sepa	arate report.)						
	·	·	, ,						
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
,	(minimum of one red	guired: check all tha	t apply)			Secondary Indica	ators (minimum of	two required)	
Surface Wate		1454, 5554	Water-Stained Lea	ves (B9)		•	Cracks (B6)	o .oquou/	
High Water Ta	` '		Aquatic Fauna (B1	` '	-	— Drainage Pa			
Saturation (A	` '	_	Marl Deposits (B15		•	Moss Trim L			
Water Marks	(B1)		Hydrogen Sulfide (Odor (C1)	•	Dry-Season	Water Table (C2)		
Sediment Dep	posits (B2)	<u>—</u>	Oxidized Rhizosph	eres on Living Roots	(C3)	Crayfish Bur	rows (C8)		
Drift Deposits	(B3)	<u> </u>	Presence of Reduc	ced Iron (C4)		Saturation V	isible on Aerial Im	nagery (C9)	
Algal Mat or 0	Crust (B4)	<u> </u>	Recent Iron Reduc	tion in Tilled Soils (Co	3)	Stunted or S	Stressed Plants (D) 1)	
Iron Deposits	(B5)	<u> </u>	Thin Muck Surface	(C7)		Geomorphic	Position (D2)		
Inundation Vis	sible on Aerial Image	ery (B7)	Other (Explain in F	Remarks)		Shallow Aqu	ıitard (D3)		
Sparsely Veg	etated Concave Surf	face (B8)					aphic Relief (D4)		
					,	FAC-Neutra	l Test (D5)		
Field Observation	 ns:								
Surface Water Pre		No X	Depth (inches):						
Water Table Prese	nt? Yes	No X	Depth (inches):						
Saturation Present	t? Yes	No X	Depth (inches):		Netland Hydro	ology Present?	Yes	No X	
(includes capillary	fringe)		- , , , ,					<u> </u>	
Describe Recorded	d Data (stream gaug	e, monitoring well, a	ierial photos, previo	us inspections), if ava	ıilable:				
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W011-5U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Acer saccharum / Sugar maple 80 Yes FACU Species Across All Strata: 5 (B) 2. Tilia americana / American basswood FACU 3. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 90 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 20 ___ x 2 = __ FACW species 1. Acer saccharum / Sugar maple 5 x 3 = FAC species 15 105 FACU species x 4 = UPL species 0 x 5 = 0 (A) __ 130 Column Totals: 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Fraxinus pennsylvanica / Green ash 15 **FACW** X 2 - Dominance Test is >50% 2. Onoclea sensibilis / Sensitive fern FACW 3 - Prevalence Index ≤3.01 3. Solidago rugosa / Wrinkle-leaf goldenrod FAC 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes X No ___ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W011-5U

	ription: (Describe to the	ne depth nee			or confirm	the absen	ice of indicators.)	
Depth	Matrix			x Features	T 1	1 2	Taxetum-	Damant-
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/3	100					Silt Loam	
	<u> </u>							
-								
·	·							
	· -							
-	· 							
1T. 0.0								Di Di ili Manari
Type: C=Co	ncentration, D=Depletio	n, RM=Reduc	ed Matrix, MS=Masi	ked Sand Gr	aıns.		Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)	_	Polyvalue Belov	v Surface (S	8) (LRR R,	MLRA 149	B) 2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)	_	Thin Dark Surfa	ce (S9) (LR	R R, MLRA	149B)	Coast Pra	irie Redox (A16) (LRR K, L, R)
	istic (A3)	-	 Loamy Mucky N	. , .		*		ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)	=	Loamy Gleyed I					ace (S7) (LRR K, L)
	d Layers (A5)	-	Depleted Matrix					Below Surface (S8) (LRR K, L)
	d Below Dark Surface (/	_ 	Redox Dark Sur					Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dark S	. ,				ganese Masses (F12) (LRR K, L, R)
	, ,	=						
	Mucky Mineral (S1)	-	Redox Depress	ions (F8)				Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							odic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							nt Material (F21)
	l Matrix (S6)							low Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Ex	plain in Remarks)
³ Indicators of	hydrophytic vegetation	and wetland I	nydrology must be p	resent, unles	ss disturbed	or problem	natic.	
	_ayer (if observed):					•		
Type:	Layer (ii observed).							
	-h\.						Undein Cail Dean	mt2 Van Na V
Depth (in	icnes):						Hydric Soil Prese	nt? Yes No _X
Remarks:								
rtemants.								

Project/Site:	21028 Hoffman Falls	s Wetland Deli	neation	City/Cour	nty: Towns of Ea	aton, Fenner	, Nelson, and Smit	Sampling Dat	te: 07/07/2023
Applicant/Owner:		Lib	erty Renewables			S	tate: New York	Sampling Poi	nt: 66-W011-5W
Investigator(s):	J	JB, AT	•	Section,	Township, Rang	e: Towns of	f Eaton, Fenner, Ne	lson, and Smit	thfield, Madison Co
Landform (hillslope, to	errace, etc):	Hillslope	Local re		ave, convex, nor				lope (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLRA	244, LRR L MI			94307117	Long:	-75.7314163	33 D	atum: WGS 198
Soil Map Unit Name:			ex, 0 to 3 percent		quently flooded		NWI classification	on:	·
Are climatic / hydrolog	gic conditions on the s					(If no	_ , explain in Remark	s.)	
Are Vegetation	, Soil, o	r Hydrology	significantl	y disturbed	d? Are	"Normal Ci	rcumstances" prese	nt? Yes	X No
Are Vegetation			naturally p	roblematic			lain any answers in		
SUMMARY OF F	INDINGS - Attac					s, transe	cts, important	features, e	tc.
Hydrophytic Vegeta		Yes X			Is the Sample	•	, I	· · ·	
Hydric Soil Present		Yes X			within a Wetla		Yes X	No	
Wetland Hydrology		Yes X		_	If yes, optiona			66-W011-5W	DEM
vendria riyarology	T TOSCITE:			_	ii yes, optiona	Wolland On		00 11011 011	1 LIVI
Remarks: (Explain	alternative procedures	s here or in a s	eparate report.)						
HYDROLOGY									
Wetland Hydrolog	v Indicators								
	(minimum of one requ	ired: check all	that apply)				Secondary Indica	ators (minimum	n of two required)
Surface Water		irou, orrook un	Water-Staine	d Leaves ('R9)			Cracks (B6)	ror two roquirou)
X High Water Ta	` '	-	Aquatic Faun	,	,20)			atterns (B10)	
X Saturation (A3	` '	-	Marl Deposits	, ,			Moss Trim L		
Water Marks (•	-	Hydrogen Su	` ,	(C1)			Water Table (C2)
Sediment Dep	,	-	X Oxidized Rhiz			(C3)	Crayfish Bu		02)
Drift Deposits	` '	_	Presence of F		_	(00)		` '	al Imagery (C9)
Algal Mat or C	, ,	_			n Tilled Soils (C	3)	_	Stressed Plants	
Iron Deposits	, ,	_	Thin Muck Su		•	3)		Position (D2)	` '
					,			, 1 03111011 (DZ)	
		- (B7)			rke)				
Inundation Vis	sible on Aerial Imagery	` '	Other (Explai		rks)		Shallow Aqu	uitard (D3)	
Inundation Vis		` '			rks)		Shallow Aqu Microtopogr	iitard (D3) aphic Relief (D	
Inundation Vis	sible on Aerial Imagery	` '			rks)		Shallow Aqu	iitard (D3) aphic Relief (D	
Inundation Vis	sible on Aerial Imagery etated Concave Surfac	` '			rks)		Shallow Aqu Microtopogr	iitard (D3) aphic Relief (D	
Inundation Vis	sible on Aerial Imagery etated Concave Surfac	ce (B8)		n in Rema	rks)		Shallow Aqu Microtopogr	iitard (D3) aphic Relief (D	
Inundation Vis	sible on Aerial Imagery etated Concave Surface ss: sent? Yes	ce (B8)	Other (Explai	n in Rema	6 6		Shallow Aqu Microtopogr	iitard (D3) aphic Relief (D	
Inundation Vis Sparsely Vege Field Observation Surface Water Pres	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _	ce (B8)	Other (Explai	es):	6	Vetland Hyd	Shallow Aqu Microtopogr	iitard (D3) aphic Relief (D	04)
Inundation Vis Sparsely Vege Field Observation Surface Water Preser Water Table Preser	sible on Aerial Imagery etated Concave Surface sent? Yes _ nt? Yes _ ? Yes _	No No No No No No No No X No	Other (Explai	es):	6	Vetland Hyd	Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Preservation Present (includes capillary for the special statement of the second statement of	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Preservation Present (includes capillary for the special statement of the second statement of	sible on Aerial Imagery etated Concave Surface sent? Yes _ nt? Yes _ ? Yes _	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Preservation Present (includes capillary for the special statement of the second statement of	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Preservation Present (includes capillary for the special statement of the second statement of	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)
Field Observation Surface Water Prese Water Table Present Saturation Present (includes capillary for	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X	Other (Explai	es): es):	6 0		Shallow Aqu Microtopogr X FAC-Neutra	uitard (D3) aphic Relief (D I Test (D5)	04)

VEGETATION - Use scientific names of plants. Sampling Point: 66-W011-5W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2____(A) Absolute Dominant Indicator Tree Stratum (Plot size: ___ 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus pennsylvanica / Green ash **FACW** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 10 = Total Cover OBL species 70 x 1 = 70 Sapling/Shrub Stratum (Plot size: 15 Feet 40 ___ x 2 = ___ FACW species 10 ___ x 3 = __ FAC species 0 x 4 = FACU species UPL species 0 x 5 = __ (A) Column Totals: 120 6. Prevalence Index = B/A = 1.5 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet X 1 - Rapid Test for Hydrophytic Vegetation 1. Leersia oryzoides / Rice cutgrass 60 OBL X 2 - Dominance Test is >50% Yes 2. Onoclea sensibilis / Sensitive fern **FACW** X 3 - Prevalence Index ≤3.0¹ FACW 4 - Morphological Adaptations1 (Provide supporting 3. Impatiens capensis / Spotted jewelweed 10 OBL Problematic Hydrophytic Vegetation¹ (Explain) 4. Carex crinita / Fringed sedge Nο No FAC 5. Symphyotrichum prenanthoides / Crooked-stem american-as 6. Euthamia graminifolia / Flat-top goldentop FAC ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 110 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W011-5W

Profile Description Depth	ription: (Describe to the Matrix	ne depth need		e indicator	or confirm	the absen	ce of indicators	5.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/1	90	10YR 4/6	10	C	M,PL	Silty Clay	Remarks
0 10	1011(4/1		10111 4/0				Only Oldy	
								<u> </u>
				· ——				
				· 				
				· 				
				· 				
								
				· ——				
				· ——				
				· 				
47								
Type: C=Cor	ncentration, D=Depletion	n, RM=Reduce	d Matrix, MS=Mask	ed Sand Gra	ains.		-Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Below	Surface (S8	3) (LRR R	MLRA 149	B) 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Thin Dark Surfac					Prairie Redox (A16) (LRR K, L, R)
Black His		_	 Loamy Mucky M 	. , .		-		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed N		. , ,			Surface (S7) (LRR K, L)
	Layers (A5)	×	_					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A		Redox Dark Sur					Park Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark S	. ,				langanese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)	_	Redox Depressi					ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	_		o (. o)				Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
	face (S7) (LRR R, ML	RA 149R)						(Explain in Remarks)
Dark our	lace (O7) (LIKITI, IVIL	IVA 143D)						(Explain in Nemarks)
³ Indicators of	hydrophytic vegetation	and wetland hy	drology must be pr	esent, unles	s disturbed	d or problem	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):		<u> </u>				Hydric Soil Pr	resent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman F	Falls Wetland Deline	ation Cit	y/County: Towns of I	Eaton, Fenner,	Nelson, and Smit	Sampling Date:	07/07/2023
Applicant/Owner:			y Renewables	, , <u></u>		ate: New York		66-W011-6U
Investigator(s):		JB, AT	Se	ction, Township, Ran	ge: Towns of	Eaton, Fenner, Ne	lson, and Smithfie	ld, Madison Count
Landform (hillslope, t	errace, etc):	Hillslope	Local relief	(concave, convex, no	one):	convex	Slope	e (%): 3-8
Subregion (LRR or M	ILRA): LRR R MLI	RA 244, LRR L MLR	A 172 Lat:	42.93818767	Long:	-75.7257363	B3 Datu	m: WGS 1984
Soil Map Unit Name:	Wa	yland soils complex,	0 to 3 percent slop	es, frequently floode	d	_ NWI classification	on:	
Are climatic / hydrolo	gic conditions on th	ne site typical for this	time of year? Ye	s X No_	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed? A	re "Normal Circ	cumstances" prese	nt? Yes	X No
		_, or Hydrology			-	ain any answers in	,	
SUMMARY OF F	FINDINGS - Att	ach site map sl	nowing sampli	ng point locatio	ns, transec	cts, important	features, etc.	
Hydrophytic Vegeta	ation Present?	Yes	No X	Is the Samp	led Area			
Hydric Soil Presen	it?	Yes	NoX	within a We	land?	Yes	NoX	
Wetland Hydrology	/ Present?	Yes	NoX	If yes, option	al Wetland Site	e ID:		
Remarks: (Explain	alternative procedu	ures here or in a sep	arate report.)	1				
HYDROLOGY								
Wetland Hydrolog						0 1 1 1		
		equired; check all tha		avec (DO)			tors (minimum of	two required)
Surface Water	` '		Water-Stained Le	` '			Cracks (B6)	
High Water Ta	` '		Aquatic Fauna (B Marl Deposits (B			Drainage Pa Moss Trim L		
Water Marks	,		Hydrogen Sulfide	,			Water Table (C2)	
Sediment Dep	` '			heres on Living Root	s (C3)	Crayfish Bur	, ,	
Drift Deposits	. ,		Presence of Red	-	3 (00)		isible on Aerial Im	nagery (C9)
Algal Mat or C	• •		•	iction in Tilled Soils (C6)		Stressed Plants (D	
Iron Deposits	• •		Thin Muck Surface	•	30)		Position (D2)	',
	sible on Aerial Imag	 uerv (B7)	Other (Explain in			Shallow Aqu	` '	
	etated Concave Su			,			aphic Relief (D4)	
		,				FAC-Neutra		
Field Observation				T				
Field Observation Surface Water Pre		s No X	Depth (inches):					
Water Table Prese		s No X	_ ' ' '					
Saturation Present			Depth (inches):		Wetland Hyd	rology Present?	Yes	No X
(includes capillary		3 NOX_	_ Deptil (illicites).		welland myd	lology Fresent:	163	_ NO _ X
(Illicidues capillaly	ge <i>)</i>							
Describe Recorded	d Data (stream gau	ge, monitoring well,	aerial photos, previ	ous inspections), if a	vailable:			
Domarka								-
Remarks:								
•								

VEGETATION - Use scientific names of plants. Sampling Point: 66-W011-6U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 1 (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Acer saccharum / Sugar maple 80 **FACU** Species Across All Strata: 4 ____ (B) 2. Prunus serotina / Black cherry FACU 10 No 5 3. Fraxinus pennsylvanica / Green ash **FACW** No Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 95 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 10 ___ x 2 = __ FACW species 1. Lonicera morrowii / Morrow's honeysuckle 20 x 3 = FAC species FACU species 95 x 4 = UPL species 18 x 5 = (A) __ Column Totals: 143 6. Prevalence Index = B/A = 3.85 **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Dryopteris / Woodfern 15 NI 2 - Dominance Test is >50% 2. Athyrium angustum / Northern lady fern **FAC** 3 - Prevalence Index ≤3.01 FACW 4 - Morphological Adaptations1 (Provide supporting 3. Fraxinus pennsylvanica / Green ash FAC Problematic Hydrophytic Vegetation¹ (Explain) 4. Solidago rugosa / Wrinkle-leaf goldenrod 5. Fragaria / Strawberry NI ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8 **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W011-6U

Profile Desc Depth	ription: (Describe to th Matrix	e depth ne		he indicator x Features	or confirm	the abser	nce of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Rema	arks
0-6	10YR 3/3	100					Silt Loam		
				_					
	· 								
							·		
_	·		-				-		
				_					
	· 								
	· 								
	· 								
¹Type: C=Co	ncentration, D=Depletion	RM=Redu	rced Matrix MS=Mas	ked Sand Gr	ains		²l ocation	: PL=Pore Lining,	M=Matrix
		i, raw road	Toda Matrix, Mo Mas	- Cu Curia Ci					
Hydric Soil I								Problematic Hyd	
Histosol	• •		Polyvalue Belov					ck (A10) (LRR K,	•
	pipedon (A2)		Thin Dark Surfa			(149B)		airie Redox (A16)	
	stic (A3)		Loamy Mucky N	. ,	(LRR K, L)				S3) (LRR K, L, R)
· ·	en Sulfide (A4)		Loamy Gleyed					face (S7) (LRR K	
	d Layers (A5)		Depleted Matrix	. ,				e Below Surface (S	
Deplete	d Below Dark Surface (A	.11)	Redox Dark Su	rface (F6)			Thin Dar	k Surface (S9) (L	RR K, L)
Thick Da	ark Surface (A12)		Depleted Dark	Surface (F7)			Iron-Man	ganese Masses (F	12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedmon	t Floodplain Soils	(F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesic Sp	odic (TA6) (MLR	A 144A, 145, 149B)
Sandy F	Redox (S5)						Red Pare	ent Material (F21)	
Stripped	Matrix (S6)						Very Sha	llow Dark Surface	(TF12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other (Ex	kplain in Remarks))
Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	oresent, unles	ss disturbed	or problen	natic.		
	.ayer (if observed):								
Type:	1 \		<u> </u>					10	N V
Depth (in	ches):						Hydric Soil Pres	ent? Yes	No <u>X</u>
Remarks:									
	Gravel refusal at 6 inche	es							

Project/Site:	21028 Hoffman Falls	s Wetland Delir	neation	City/Coun	ity: Towns of Ea	aton, Fenner,	Nelson, and Smit	Sampling Date:	07/07/2023
Applicant/Owner:		Libe	erty Renewables			Sta	ate: New York	Sampling Point:	66-W011-6W
Investigator(s):	J	IB, AT	-	Section, T	Township, Range	e: Towns of	Eaton, Fenner, Nel	son, and Smithfield	d, Madison Count
Landform (hillslope, t	terrace, etc):	Lowland	Local re		ive, convex, nor				
Subregion (LRR or M	ILRA): LRR R MLRA	244, LRR L ML			3824717	Long:	-75.7256761	7 Datum	: WGS 1984
Soil Map Unit Name:	Waylar	nd soils comple	ex, 0 to 3 percent s	slopes, fred	quently flooded		NWI classificatio	n: PSS1/EM1B	d, PSS1/EM1E
Are climatic / hydrolo	gic conditions on the si					(If no,	– explain in Remarks	s.)	
Are Vegetation	, Soil, oi	r Hydrology	significantly	disturbed	? Are	"Normal Circ	cumstances" prese	nt? Yes X	(No
Are Vegetation			naturally pr	oblematic?	? (If r	needed, expla	ain any answers in l	Remarks.)	
SUMMARY OF F	FINDINGS - Attacl	h site map	 showing sam	pling po	oint location	s, transec	ts, important f	features, etc.	
Hydrophytic Vegeta		Yes X			Is the Sample		•	•	
Hydric Soil Presen		Yes X		-	within a Wetla		Yes X	No	
Wetland Hydrology		Yes X		-	If yes, optional			66-W011-6W PFC	_)
				_	, 500, 00,				
Remarks: (Explain	alternative procedures	s here or in a se	eparate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one requi	ired; check all t	that apply)				Secondary Indica	tors (minimum of to	wo required)
X Surface Wate	er (A1)		Water-Stained	d Leaves (E	39)	,	Surface Soil	Cracks (B6)	
X High Water Ta	able (A2)		Aquatic Fauna	a (B13)			Drainage Pa	tterns (B10)	
X Saturation (A3	3)	_	Marl Deposits	(B15)			Moss Trim L	ines (B16)	
Water Marks	(B1)	_	Hydrogen Sul	fide Odor ((C1)		Dry-Season	Water Table (C2)	
Sediment Dep	posits (B2)		X Oxidized Rhiz	ospheres o	on Living Roots	(C3)	Crayfish Bur	rows (C8)	
Drift Deposits	(B3)	_	Presence of F	Reduced Iro	on (C4)		Saturation V	isible on Aerial Ima	agery (C9)
Algal Mat or C	Crust (B4)	_	Recent Iron R	eduction in	n Tilled Soils (Ce	3)	Stunted or S	tressed Plants (D1)
Iron Deposits	(B5)	_	Thin Muck Su	rface (C7)			X Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Imagery	(B7)	Other (Explain	n in Remar	ks)		Shallow Aqu	itard (D3)	
Sparsely Vege	etated Concave Surfac	e (B8)					Microtopogra	aphic Relief (D4)	
							X FAC-Neutral	Test (D5)	
Field Observation	ne'								
Surface Water Pre		X No	Depth (inche	oe).	1				
Water Table Prese		X No	Depth (inche	· —	0				
Saturation Present	_	X No	Depth (inche	· —		Notland Hyd	rology Present?	Yes X	No
(includes capillary			Deptil (illiche		'	velianu nyu	rology Fresent?	162	NO
(Includes capillary	minge <i>)</i>								
Describe Recorded	d Data (stream gauge,	monitoring wel	ll, aerial photos, p	revious ins	spections), if ava	ilable:			
Remarks:									
rtemarks.									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W011-6W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 4 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ___ 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus pennsylvanica / Green ash **FACW** Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 40 = Total Cover OBL species 35 x 1 = Sapling/Shrub Stratum (Plot size: ___ 15 Feet 80 ___ x 2 = __ FACW species 1. Viburnum lentago / Nanny-berry 65 195 FAC species x 3 = 0 FACU species x 4 = x 5 = _ UPL species 0 (A) Column Totals: 6. Prevalence Index = B/A = 2.17 **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Onoclea sensibilis / Sensitive fern 40 **FACW** X 2 - Dominance Test is >50% Yes 2. Solidago rugosa / Wrinkle-leaf goldenrod FAC X 3 - Prevalence Index ≤3.0¹ 20 OBL 4 - Morphological Adaptations1 (Provide supporting 3. Leersia oryzoides / Rice cutgrass Problematic Hydrophytic Vegetation¹ (Explain) 4. Symphyotrichum prenanthoides / Crooked-stem american-as 20 Nο FAC 15 OBL 5. Myosotis scorpioides / Forget me not, Water forget-me-not ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 125 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes X No ___ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W011-6W

	ription: (Describe to th	ne depth ne			or confirm	the absen	ce of indicator	rs.)
Depth	Matrix	0/		x Features	T 1	12	T	Develop
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 4/2	98	10YR 3/4	2	C	M,PL	Silty Clay	
								<u>. </u>
					·			
			•					
								•
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	ation: PL=Pore Lining, M=Matrix.
Hardela Oali I							l!!4	- for Bucklement's Hadria Onite's
Hydric Soil I			D	0 ((=				s for Problematic Hydric Soils ³ :
Histosol	` '		Polyvalue Belov	•	, -		-	Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Surfa	. , .		-		t Prairie Redox (A16) (LRR K, L, R)
Black His	, ,		Loamy Mucky N	. ,	(LRR K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Gleyed I	Matrix (F2)			Dark	Surface (S7) (LRR K, L)
Stratified	l Layers (A5)		X Depleted Matrix	(F3)			Poly	value Below Surface (S8) (LRR K, L)
Depleted	d Below Dark Surface (A	\11)	Redox Dark Sur	rface (F6)			Thin	Dark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dark S	Surface (F7)			Iron-	Manganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedr	mont Floodplain Soils (F19) (MLRA 149B)
Sandy G	Sleyed Matrix (S4)						Mesi	c Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	ledox (S5)						Red	Parent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
	rface (S7) (LRR R, ML	RA 149B)						r (Explain in Remarks)
		-						,
³ Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	l or problem	atic.	
Restrictive L	ayer (if observed):							
Type:	ayor (ii oboorrou).							
Depth (in	chee).						Hydric Soil F	Present? Yes X No
Deptil (iii							Tiyunc 30ii F	resent: les X No
Remarks:								
(Gravel refusal at 14 incl	nes						

Project/Site:	21028 Hoffman	n Falls Wetland Delin	eation	City/Cour	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	07/10/2023	
Applicant/Owner:		Libe	erty Renewables	•			tate: New York Sampling Point: 66-W011-7U			
Investigator(s):		RF, AT	•	Section,	Township, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smithfi	eld, Madison Count	
Landform (hillslope, t	terrace, etc):	Hillslope	Local re	elief (conca	ave, convex, none	e):	convex	Slop	e (%): 0-5	
Subregion (LRR or M	/ILRA): LRR R M	LRA 244, LRR L MLI	RA 172 Lat:	42.	9377125	Long:	-75.7262403	B3 Datu	ım: WGS 1984	
Soil Map Unit Name:		Volusia channe	ery silt loam, 8 to	15 percen	nt slopes		_ NWI classification	on:		
Are climatic / hydrolo	gic conditions on	the site typical for thi	is time of year?	Yes	X No	(If no,	explain in Remark	s.)		
Are Vegetation	, Soil	, or Hydrology	significantly	y disturbed	d? Are '	"Normal Circ	cumstances" prese	nt? Yes	X No	
		, or Hydrology				-	ain any answers in	•		
SUMMARY OF I	FINDINGS - A	ttach site map s	showing sam	pling p	oint locations	, transec	cts, important	features, etc.		
Hydrophytic Veget	ation Present?	Yes	NoX		Is the Sampled	Area				
Hydric Soil Presen	ıt?	Yes	NoX		within a Wetlar	nd?	Yes	No X		
Wetland Hydrology	y Present?	Yes	NoX_	_	If yes, optional \	Wetland Site	e ID:			
Remarks: (Explain	alternative proce	dures here or in a se	eparate report.)							
HYDROLOGY										
Wetland Hydrolog										
		required; check all the					Secondary Indica	•	two required)	
Surface Wate	` '	_	Water-Stained	,	B9)			Cracks (B6)		
High Water Ta	, ,	_	Aquatic Faun				Drainage Pa			
Saturation (A	,	_	_ Marl Deposits	` ,	(04)		Moss Trim L	, ,		
Water Marks	` '	_	_ Hydrogen Sul		. ,	C2)		Water Table (C2)	,	
Sediment De	. ,	_		-	on Living Roots (C3)	Crayfish Bur	. ,	······································	
Drift Deposits	• •	_	Presence of F		` '			isible on Aerial Ir		
Algal Mat or 0 Iron Deposits	, ,		Thin Muck Su		n Tilled Soils (C6)	1		Stressed Plants ([: Position (D2)	71)	
	isible on Aerial Ima	 agery (B7)	Other (Explain				Shallow Aqu	, ,		
	etated Concave S		_ Other (Explain	ii iii itteilia	iko)			aphic Relief (D4)		
oparoony vog	otatou comeave c	undo (Bo)					FAC-Neutra	. , ,		
Field Observation		/aa Na V	Danth (in ab	\.						
Surface Water Pre		'es NoX 'es NoX	· ·	<i>'</i>						
Water Table Prese			· ·	<i>'</i>		atland Uvd	rology Drocont?	Voo	No. V	
Saturation Present (includes capillary		'es No <u>X</u>	Depth (inche	es):	*	енапо нуо	rology Present?	Yes	NoX	
(Includes capillary	iiiige)									
Describe Recorde	d Data (stream ga	auge, monitoring well	, aerial photos, p	revious in	spections), if avail	able:				
Damarka										
Remarks:										

VEGETATION - Use scientific names of plants. Sampling Point: 66-W011-7U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 0 ___ x 3 = __ FAC species x 4 = FACU species 50 UPL species 10 x 5 = __ 50 60 (A) Column Totals: 6. Prevalence Index = B/A = 4.17 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Trifolium pratense / Red clover 15 **FACU** 2 - Dominance Test is >50% Yes 2. Plantago lanceolata / Ribwort, English plantain FACU 3 - Prevalence Index ≤3.0¹ FACU 4 - Morphological Adaptations1 (Provide supporting 3. Phleum pratense / Common timothy, Cultivated timothy 4. Daucus carota / Carrot, Carrot, Queen anne's lace UPL Problematic Hydrophytic Vegetation¹ (Explain) 5 Nο No 5. Rosa multiflora / Multiflora rose, Multiflora rosa FACU 6. Achillea millefolium / Yarrow FACU ¹Indicators of hydric soil and wetland hydrology must 7. Leucanthemum vulgare / Oxe eye daisy, Ox-eye daisy be present, unless disturbed or problematic. UPL 8. _ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 60 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W011-7U

	ription: (Describe to th	ne depth nee			or confirm	the absen	ce of indicator	s.)		
Depth	Matrix			x Features	- :		-			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc²	Texture		Remarks	
0-6	10YR 3/3	100					Silt Loam			
	· ·									
·										
					· · · · · · · · · · · · · · · · · · ·		_			
							_			
				_ ·						
								-		
	· 									
				_						
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=P	ore Lining, M=	Matrix.
Hydric Soil I	ndicators:						Indicators	for Probl	ematic Hydric	: Soils³:
Histosol			Polyvalue Belov	w Surface (St	3) (LRR R .	MLRA 1491) (LRR K, L, I	
	pipedon (A2)		Thin Dark Surfa	•	, -		-	•	edox (A16) (L	-
				. , .		1400)			, , ,	
Black His	` '		Loamy Mucky N		LIXIX IX, L)				37) (LRR K, L)	(LRR K, L, R)
	en Sulfide (A4)			, ,				•		
_	d Layers (A5)		Depleted Matrix						v Surface (S8)	
_	d Below Dark Surface (A	A11)	Redox Dark Su						ce (S9) (LRR	· •
_	ark Surface (A12)		Depleted Dark	Surface (F7)			Iron-N	/langanese	e Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedn	nont Flood	plain Soils (F1	9) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesic	Spodic (T	A6) (MLRA 1	44A, 145, 149B)
Sandy R	Redox (S5)						Red F	Parent Mat	erial (F21)	
Stripped	Matrix (S6)						Very S	Shallow Da	ark Surface (TF	- 12)
	rface (S7) (LRR R, ML	RA 149B)							n Remarks) `	,
	, , ,	,						` '	,	
3Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	or problem	atic.			
Doctrictive I	aver (if absorved):									
	.ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil P	resent?	Yes	No <u>X</u>
Damada										
Remarks:	Gravel refusal at 6 inch	20								
· ·	Graver relusar at 0 mcm	CS								

Project/Site:	21028 Hoffman	r Falls Wetland Delir	neation	City/Cou	ınty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	07/10/2023
Applicant/Owner:		Lib	erty Renewables	es State: New York Sampling Point: 66					
Investigator(s):		RF AT		Section,	Township, Range:	: Towns of	Eaton, Fenner, Nel	lson, and Smithf	ield, Madison Count
Landform (hillslope, t	terrace, etc):	Hillslope	Local re	elief (conc	ave, convex, none	e):	concave	Slo	pe (%): 5-10
Subregion (LRR or M	ILRA): LRR R MI	LRA 244, LRR L MI	_RA 172 Lat:	42	2.937652	Long:	-75.7262946	Dat	um: WGS 1984
Soil Map Unit Name:	<u> </u>	Volusia chann	ery silt loam, 8 to	15 percei	nt slopes		NWI classification	on:	•
Are climatic / hydrolo	gic conditions on	the site typical for the	nis time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantl	y disturbe	d? Are	"Normal Circ	cumstances" prese	nt? Yes _	X No
Are Vegetation	, Soil	, or Hydrology	naturally p	roblematio	c? (If ne	eeded, expla	ain any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Af	ttach site map	showing sam	npling p	oint locations	s, transec	ts, important	features, etc	•
Hydrophytic Veget	ation Present?	Yes X	No		Is the Sampled	l Area			
Hydric Soil Presen	nt?	Yes X			within a Wetlar	nd?	Yes X	No	
Wetland Hydrology	y Present?	Yes X	No	_	If yes, optional \	Wetland Site	e ID:	66-W011-7W P	EM
Remarks: (Explain	alternative proced	dures here or in a s	eparate report.)						
HYDROLOGY									
Wetland Hydrolog	gv Indicators:								
	••	required; check all	that apply)				Secondary Indica	tors (minimum o	of two required)
Surface Wate			Water-Staine	d Leaves	(B9)		Surface Soil		
High Water Ta	` '	-	— Aquatic Faun		(- /		— Drainage Pa		
Saturation (A	` ,	_	Marl Deposits				Moss Trim L		
Water Marks	,	_	— Hydrogen Su	lfide Odor	(C1)			Water Table (C2	2)
Sediment Dep	posits (B2)	_			on Living Roots (C3)	Crayfish Bur		,
Drift Deposits	. , ,	_	Presence of F			,		isible on Aerial I	magery (C9)
Algal Mat or 0	, ,	_	Recent Iron F	Reduction	in Tilled Soils (C6))		Stressed Plants (
Iron Deposits	(B5)	-	Thin Muck Su	urface (C7	·)		Geomorphic	Position (D2)	•
Inundation Vis	sible on Aerial Ima	agery (B7)	Other (Explai				Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave S	urface (B8)					Microtopogra	aphic Relief (D4)
							X FAC-Neutral	Test (D5)	
Field Observation									
Surface Water Pre		es No X	/ Donth (inch	00):					
Water Table Prese		es No X		· —					
Saturation Present			C Depth (inch	· —		latiand Hyd	rology Procent?	Voc. V	No
(includes capillary		es No _ X	Deptil (ilich	es)	V	elianu nyui	rology Present?	Yes X	
(includes capillary	iiiige)								
Describe Recorded	d Data (stream ga	uge, monitoring wel	ll, aerial photos, p	orevious in	spections), if avail	lable:			
-									
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W011-7W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 40 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 10 x 2 = FACW species 10 ___ x 3 = ___ FAC species 5 x 4 = _ FACU species 0 x 5 = UPL species 65 (A) Column Totals: 6. Prevalence Index = B/A = 1.69 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Scirpus atrovirens / Green bulrush 20 OBL X 2 - Dominance Test is >50% Yes 2. Ranunculus acris / Acrid buttercup FAC X 3 - Prevalence Index ≤3.0¹ Yes FACW 4 - Morphological Adaptations1 (Provide supporting 3. Onoclea sensibilis / Sensitive fern 4. Juncus effusus / Common bog rush, Soft or lamp rush 10 OBL Problematic Hydrophytic Vegetation¹ (Explain) Yes 10 5. Carex lurida / Shallow sedge Yes OBL 6. Achillea millefolium / Yarrow FACU ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 65 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W011-7W

	ription: (Describe to th	ne depth nee			or confirm	the abse	nce of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	Features %	Type ¹	Loc²	Texture	Remarks
0-9	10YR 4/2	90	5YR 3/4	10	C Type	M	Clay Loam	Remarks
0-9	1011(4/2		311(3/4			IVI	Clay Loaili	
				<u> </u>				
		·						
Type: C=Cor	ncentration, D=Depletio	n, RM=Redu	ced Matrix, MS=Mask	ed Sand Gr	ains.		²Location:	PL=Pore Lining, M=Matrix.
lydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Below	Surface (S	8) (LRR R .	MLRA 149		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)	;	Thin Dark Surfac	•	, -		· —	irie Redox (A16) (LRR K, L, R)
	stic (A3)	,	Loamy Mucky M			,		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed N		(=:::: IX, E)			ace (S7) (LRR K, L)
	I Layers (A5)	•	X Depleted Matrix					Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	411)	Redox Dark Sur					Surface (S9) (LRR K, L)
	ark Surface (A12)	;	Depleted Dark S					ganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depressi	ons (F8)				Floodplain Soils (F19) (MLRA 149B)
	Sleyed Matrix (S4)							odic (TA6) (MLRA 144A, 145, 149B)
	ledox (S5)							nt Material (F21)
Stripped	Matrix (S6)						Very Shall	low Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Exp	plain in Remarks)
	hydrophytic vegetation ayer (if observed):	and wetland	hydrology must be pr	esent, unles	ss disturbed	or probler	natic.	
Depth (in	ches):						Hydric Soil Prese	nt? Yes X No
	, <u> </u>						,	
Remarks:								
	Rock refusal at 9 inches	8						

Project/Site: 21028 Hoffman Falls Wetland Delineation City/Courts: Towns of Eaton, Fenner, Nelson, and Smit Sampling Date: 07/06/2023 O7/06/2023 O7
Landform (hillslope, terrace, etc): Hillslope Local relief (concave, convex, none): convex Slope (%): 0-5 Subregion (LRR or MLRA): LRR R MLRA 244, LRR L MLRA 172 Lat: 42.94276067 Long: -75.73276833 Datum: WGS 1984 Soil Map Unit Name: Wayland soils complex, 0 to 3 percent slopes, frequently flooded NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland Pydrology Present? Yes No X If yes, optional Wetland? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Sutrace Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Mari Deposits (B15) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B3) Presence of Reduced fron (C4) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) Iron Deposits (B3) Thin Muck Surface (C7) Geomorphic Position (D2) Introduction Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Subregion (LRR or MLRA): LRR R MLRA 244, LRR L MLRA 172 Lat: 42.94276067 Long: -75.73276833 Datum: WGS 1984 Soil Map Unit Name: Wayland soils complex, 0 to 3 percent slopes, frequently flooded NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No X Within a Wetland Site ID: Subman Are Yes No X Wetland Hydrology Present? Yes No X Water (Explain alternative procedures here or in a separate report.) HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crafylish Burrows (C8) Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Sunted or Stressed Plants (D1) Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Microtopographic Relief (D4)
Subregion (LRR or MLRA): LRR R MLRA 244, LRR L MLRA 172
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No Are Vegetation , Soil , or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) HHYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16)
Are Vegetation, Soil, or Hydrologysignificantly disturbed?
Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland? Yes No X Remarks: (Explain alternative procedures here or in a separate report.) Hillslope dominated by beech and sugar maple. Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8) Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators in a separate report.) Hillslope dominated by beech and sugar maple. Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) High Water Table (A2) Aquatic Fauna (B13) Autration (A3) Mari Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Presence of Reduced Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Is the Sampled Area within a Wetland? Yes No X Is the Sampled Area within a Wetland? Yes No X Is the Sampled Area within a Wetland? Yes No X Yes No X Is the Sampled Area within a Wetland? Yes No X Is the Sampled Area within a Wetland? Yes No X Yes No Yes Note No X No X Yes No X Yes No X Yes No Yes Note Net Note Note Note Note Note Note
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators here or in a separate report.) Hillslope dominated by beech and sugar maple. Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Inimulation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Within a Wetland? Yes No X If yes, optional Wetland? If yes, optional Wetland? If yes, optional Wetland? If yes, optional Wetland? Yes No X If yes, optional Wetland? If yes, optional Wetland? If yes, optional Wetland? Yes No X If yes, optional Wetland? If yes, optional Wetland? If yes, optional Wetland? Yes No X If yes, optional Wetland? If yes, optional Wetland? If yes, optional Wetland? Yes No X If yes, optional Wetland? Yes No X If yes, optional Yes Authors No X In yes Authors No X In yes Authors No X In yes Authors No X I
Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) Hillslope dominated by beech and sugar maple. Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8) Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Sparsely Vegetated Concave Surface (B8)
Remarks: (Explain alternative procedures here or in a separate report.) Hillslope dominated by beech and sugar maple. Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Wetland Hydrology Indicators Secondary Indicators (minimum of two required) Secondary Indicators (minimum of two required) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Microtopographic Relief (D4)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Wetland Hydrology Indicators: Water Apply Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Noss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8) Drift Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) Iron Deposits (B5) Thin Muck Surface (C7) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4)
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Algal Mat or Crust (B4) Proposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Thin Muck Surface (C7) Other (Explain in Remarks) Shallow Aquitard (D3) Microtopographic Relief (D4)
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4)
FAC-Neutral Test (D3)
Field Observations:
Surface Water Present? Yes NoX _ Depth (inches):
Water Table Present? Yes NoX _ Depth (inches):
Saturation Present? Yes No _X _ Depth (inches): Wetland Hydrology Present? Yes No _X _
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

VEGETATION - Use scientific names of plants. Sampling Point: 66-W012-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 1 (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Acer saccharum / Sugar maple 35 Yes FACU Species Across All Strata: 6 (B) 2. Populus tremuloides / Quaking aspen FACU Yes 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 55 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 10 ___ x 2 = __ FACW species 1. Fagus grandifolia / American beech 0 x 3 = FAC species 0 FACU species 90 x 4 = UPL species 0 x 5 = 0 (A) __ 100 Column Totals: 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet Fraxinus pennsylvanica / Green ash 10 **FACW** 2 - Dominance Test is >50% 2. Lonicera morrowii / Morrow's honeysuckle FACU 3 - Prevalence Index ≤3.01 3. Rubus allegheniensis / Allegheny blackberry FACU 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W012-1U

	ription: (Describe to th	e depth nee			or confirm	the absen	ce of indicators	.)		
Depth	Matrix	0/		x Features	T 1		- .		5 .	
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc²	Texture		Remarks	
0-3	10YR 3/2	100					Silt Loam			
3-13	10YR 4/3	100					Silt Loam			
				_						
				_						
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Locat	ion: PL=P	ore Lining, M=	Matrix.
Hydric Soil I	ndicators:						Indicators	for Probl	ematic Hydric	Soils ³ :
Histosol			Polyvalue Belov	w Surface (S	8) (I RR R I	MI RA 149F) (LRR K, L, N	
	pipedon (A2)		Thin Dark Surfa	,	, .		· —	•	edox (A16) (L l	
			Loamy Mucky N			1430)			, , .	· · · · ·
Black Hi	, ,			. ,	(LIXIX IX, L)				at of Peat (53) 7) (LRR K, L)	(LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed						,	
	d Layers (A5)	\11\	Depleted Matrix						Surface (S8)	
	d Below Dark Surface (A	A11)	Redox Dark Su						ce (S9) (LRR	
	ark Surface (A12)		Depleted Dark					-		(LRR K, L, R)
	Mucky Mineral (S1)		Redox Depress	ions (F8)						9) (MLRA 149B)
	Gleyed Matrix (S4)								, -	44A, 145, 149B)
	Redox (S5)								erial (F21)	
	Matrix (S6)								ark Surface (TF	12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other	(Explain ii	n Remarks)	
3Indicators of	hydrophytic vegetation	and wetland	hydrology must be n	recent unles	e dieturhed	or problem	atic			
		and Welland	mydrology mast be p	resent, unies	ss distuibed	or problem	alio.			
Restrictive L	.ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Pro	esent?	Yes	No X
Danasalas										
Remarks:	Gravel refusal at 13 incl	nes								
,	Olavel Telusal at 15 illei	103								

Project/Site:	21028 Hoffman Fa	alls Wetland Deline	ation (City/County: Towns o	f Eaton, Fenner	, Nelson, and Smit	Sampling Date:	07/06/2023
Applicant/Owner:			ty Renewables			tate: New York		
Investigator(s):		JB, RS	;	Section, Township, Ra	inge: Towns of	f Eaton, Fenner, Nel	son, and Smithfie	ld, Madison Count
Landform (hillslope, t	terrace, etc):	Hillside seep	Local reli	ief (concave, convex,	none):	concave	Slope	e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLR	A 244, LRR L MLR			Long:	-75.732729	5 Datui	m: WGS 1984
Soil Map Unit Name:	Wayl	and soils complex	0 to 3 percent sl	opes, frequently flood	ed	NWI classificatio	n:	
Are climatic / hydrolo	gic conditions on the	site typical for this	time of year? `	Yes X No	(If no	 , explain in Remarks	s.)	
Are Vegetation	, Soil ,	, or Hydrology	significantly	disturbed?	Are "Normal Cir	rcumstances" prese	nt? Yes	X No
	, Soil ,			blematic?	(If needed, expl	lain any answers in l	Remarks.)	
SUMMARY OF I	FINDINGS - Atta	ch site map s	howing samp	oling point locati	ons, transe	cts, important f	features, etc.	
Hydrophytic Veget	ation Present?	Yes X	No	Is the Sam	pled Area			
Hydric Soil Presen		Yes X	No	within a W	-	Yes X	No	
Wetland Hydrology	y Present?	Yes X	No	If yes, option	onal Wetland Sit	te ID:	66-W012-1W PE	M
	n alternative procedur rgent wetland origina			arge in wetland.				
HYDROLOGY								
Wetland Hydrolog	av Indicators:							
,	(minimum of one red	nuired: check all th	at annly)			Secondary Indica	tors (minimum of	two required)
Surface Wate	,		Water-Stained	Leaves (B9)		Surface Soil	,	two roquirou)
High Water Ta	` '	<u></u>	Aquatic Fauna	` '		Drainage Pa	` '	
Saturation (A	` ,		Marl Deposits (, ,		Moss Trim L		
Water Marks	,		Hydrogen Sulfi	,			Water Table (C2)	
Sediment De	` '	X	. , ,	spheres on Living Ro	ots (C3)	Crayfish Bur	, ,	
Drift Deposits	. , ,		Presence of Re	educed Iron (C4)	,		isible on Aerial Im	nagery (C9)
Algal Mat or 0	, ,		Recent Iron Re	duction in Tilled Soils	(C6)		tressed Plants (D	
Iron Deposits	(B5)		Thin Muck Surf	face (C7)		Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Image	ery (B7)	Other (Explain	in Remarks)		Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Surf	ace (B8)	-			Microtopogra	aphic Relief (D4)	
						X FAC-Neutral	Test (D5)	
Field Observation	ne.							
Surface Water Pre		No X	Depth (inches	z)·				
Water Table Prese			_ ' '	<i>'</i> —				
Saturation Present			Depth (inches	′ 	Wetland Hyd	drology Present?	Yes X	No
(includes capillary					Tronana riye	arology i roconti	<u> </u>	
(morados sapinary								
Describe Recorde	d Data (stream gaug	e, monitoring well,	aerial photos, pre	evious inspections), if	available:			
Remarks:								
rtomanto.								

VEGETATION - Use scientific names of plants. Sampling Point: 66-W012-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** 2____ (B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 10 x 1 = 10 Sapling/Shrub Stratum (Plot size: 15 Feet FACW species 65 x 2 = 0 ____ x 3 = ____ FAC species 0 x 4 = FACU species 0 UPL species x 5 = 75 (A) Column Totals: 6. Prevalence Index = B/A = 1.87 **Hydrophytic Vegetation Indicators:** X 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 35 X 2 - Dominance Test is >50% Solidago gigantea / Smooth goldenrod **FACW** 2. Onoclea sensibilis / Sensitive fern FACW X 3 - Prevalence Index ≤3.0¹ 3. Carex crinita / Fringed sedge 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 75 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W012-1W

Depth	Matrix		Redox	x Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarks	
0-18	10YR 4/1	95	10YR 5/4	5	C	М	Clay Loam			
						,				
						,				
						,				
						,				
						,				
ype: C=Con	centration, D=Depletion	n, RM=Redu	ıced Matrix, MS=Masl	ked Sand Gra	ains.		²Loca	tion: PL=Por	e Lining, M=Matrix.	
udria Cail Ir	diantara						Indicators	for Droblen	natio Hudria Caila3	
ydric Soil In Histosol (Dobavoluo Polov	v Curfoss (CC	\	MI DA 440			natic Hydric Soils ³ :	
	` '		Polyvalue Belov					. ,	(LRR K, L, MLRA 149E	-
	ipedon (A2)		Thin Dark Surfa			149B)			ox (A16) (LRR K, L, R)	
_ Black His			Loamy Mucky M		LKK K, L)				or Peat (S3) (LRR K, L	, K)
	n Sulfide (A4)		Loamy Gleyed N	, ,					(LRR K, L)	
_	Layers (A5)	\44\	X Depleted Matrix						Surface (S8) (LRR K, L))
	Below Dark Surface (A	1 11)	Redox Dark Sur						(S9) (LRR K, L)	. 5.
	rk Surface (A12)		Depleted Dark S					-	lasses (F12) (LRR K,	
_	ucky Mineral (S1)		Redox Depressi	ions (F8)					nin Soils (F19) (MLRA 1	
	leyed Matrix (S4)								6) (MLRA 144A, 145, 1	49B)
	edox (S5)							arent Materi		
	Matrix (S6)								Surface (TF12)	
Dark Sur	face (S7) (LRR R, ML	.RA 149B)					Other	(Explain in F	Remarks)	
		and watland	l hydrology must be n	recent unles	e dieturbed	or problem	vatic			
Indicators of I	hydrophytic vegetation			resent, unies	s distuibed	or problem	ialic.			
ndicators of I	hydrophytic vegetation	and welland	, a. e. egy aet 2e p							
Restrictive La	hydrophytic vegetation ayer (if observed):	and welland	, ч. о.одуаос 20 р							
Restrictive La	ayer (if observed):	and welland								
estrictive La	ayer (if observed):	and welland					Hydric Soil P	resent?	Yes <u>X</u> No _	
Restrictive La Type: Depth (inc	ayer (if observed):	and welland					Hydric Soil P	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and welland					Hydric Soil P	resent?	Yes X No _	
Restrictive La Type: Depth (inc	ayer (if observed):	and welland					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No _	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil Pr	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No _	
Restrictive La	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No _	
Restrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
Restrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	
estrictive La Type: Depth (inc	ayer (if observed):	and wettand					Hydric Soil P	resent?	Yes X No	

Project/Site:	21028 Hoffman F	alls Wetland Delinea	ation	City/Cour	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date	e: 07/06/2023
Applicant/Owner:		Libert	y Renewables	•			ate: New York		-
Investigator(s):		JB, RS		Section,	Township, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smith	field, Madison Count
Landform (hillslope, t	terrace, etc):	Hillslope	Local re	elief (conca	ave, convex, none	e):	convex	Slo	ope (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLR	A 244, LRR L MLR	A 172 Lat:	42.9	94182067	Long:	-75.7325993	33 Da	atum: WGS 1984
Soil Map Unit Name:		Volusia channery	/ silt loam, 8 to	15 percen	nt slopes		NWI classification	on:	
Are climatic / hydrolo	gic conditions on the	e site typical for this	time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly	disturbed	d? Are '	'Normal Circ	cumstances" prese	nt? Yes _	X No
	, Soil,						ain any answers in		
SUMMARY OF I	FINDINGS - Atta	ich site map sh	owing sam	pling p	oint locations	, transec	ts, important	features, et	c.
Hydrophytic Veget	ation Present?	Yes	No X	_	Is the Sampled	Area			
Hydric Soil Presen	ıt?	Yes	No X	_	within a Wetlar	nd?	Yes	No X	<u>(</u>
Wetland Hydrology	y Present?	Yes	No X	_	If yes, optional \	Netland Site	e ID:		
	n alternative procedur ope where seep is no		arate report.)	1					
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
1	(minimum of one red	quired: check all tha	it apply)				Secondary Indica	itors (minimum	of two required)
Surface Water	,	quirou, oriook air tric	Water-Stained	d Leaves (B9)			Cracks (B6)	or two roquirou)
High Water Ta	` '	_	Aquatic Fauna	,	,		Drainage Pa	` ,	
Saturation (A	` '		Marl Deposits	. ,			Moss Trim L		
Water Marks	(B1)	_	Hydrogen Sul	fide Odor	(C1)			Water Table (C	;2)
Sediment De	posits (B2)		Oxidized Rhiz	ospheres	on Living Roots (C3)	Crayfish Bur	rows (C8)	
Drift Deposits	; (B3)	<u> </u>	Presence of F	Reduced Ir	on (C4)		Saturation V	isible on Aerial	Imagery (C9)
Algal Mat or 0	Crust (B4)	<u> </u>	Recent Iron R	eduction i	n Tilled Soils (C6)		Stunted or S	Stressed Plants	(D1)
Iron Deposits	(B5)		Thin Muck Su	rface (C7))		Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Image	ery (B7)	Other (Explain	n in Rema	rks)		Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Surf	face (B8)						aphic Relief (D	1)
							FAC-Neutral	Test (D5)	
Field Observation	ns:								
Surface Water Pre	sent? Yes	No X	Depth (inche	es):					
Water Table Prese	ent? Yes	No X	Depth (inche	es):					
Saturation Present	t? Yes	No X	Depth (inche	es):	W	etland Hydi	rology Present?	Yes	No X
(includes capillary	fringe)		_						
	15.4.4.4								
Describe Recorde	d Data (stream gaug	e, monitoring well, a	aeriai photos, p	revious in	spections), if avail	able:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W013-1U **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Malus / Apple Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species 0 ___ x 3 = __ FAC species 45 x 4 = FACU species UPL species 25 x 5 = _ 125 70 (A) Column Totals: 6. Prevalence Index = B/A = 4.36 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 30 1. Solidago canadensis / Canada goldenrod **FACU** 2 - Dominance Test is >50% 2. Lonicera morrowii / Morrow's honeysuckle FACU 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 45 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W013-1U

	ription: (Describe to the	he depth nee			or confirm	the abser	ce of indicators.)	
Depth (inches)	Matrix	%		x Features	T	12	Taxeture	Damadra
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-12	10YR 4/2	100					Silt Loam	_
	·							
	. <u></u>							
			-					
		<u></u>						
¹Type: C=Cor	ncentration, D=Depletio	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	v Surface (S	3) (LRR R ,	MLRA 149	B) 2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		Thin Dark Surfa	ce (S9) (LR	R R, MLRA	(149B)	Coast Pra	airie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky N				5 cm Mud	ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed					face (S7) (LRR K, L)
	d Layers (A5)		Depleted Matrix					Below Surface (S8) (LRR K, L)
	d Below Dark Surface (/	A11)	Redox Dark Su					Surface (S9) (LRR K, L)
	ark Surface (A12)	,	— Depleted Dark	. ,				ganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depress					Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)			()				odic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							nt Material (F21)
	Matrix (S6)							llow Dark Surface (TF12)
								plain in Remarks)
Dark Sui	rtace (S7) (LRR R. ML	_RA 149B)						
Dark Sul	rface (S7) (LRR R, ML	_RA 149B)					Other (E)	pram m r termame,
	hydrophytic vegetation		hydrology must be p	resent, unles	s disturbed	or problen		pan in Containe,
3Indicators of	hydrophytic vegetation		hydrology must be p	resent, unles	s disturbed	or problen		,
³Indicators of			hydrology must be p	resent, unles	s disturbed	or problen		, , , , , , , , , , , , , , , , , , , ,
³Indicators of Restrictive L Type:	hydrophytic vegetation		hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³Indicators of	hydrophytic vegetation		hydrology must be p	resent, unles	s disturbed	or problen		
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
Restrictive L Type: Depth (inc	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.) Remarks:	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
³ Indicators of Restrictive L Type: Depth (inc.)	hydrophytic vegetation .ayer (if observed): ches):	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	

Project/Site:	21028 Hoffman Fa	alls Wetland De	lineation	City/Cou	nty: Towns of Ea	ton, Fenner,	Nelson, and Smit	Sampling Date:	07/06/2023
Applicant/Owner:		Lil	berty Renewables	,	-	Sta	ate: New York	Sampling Point:	66-W013-1W
Investigator(s):		JB, RS						lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Hillside seep	Local r	elief (conc	ave, convex, none	e):	concave	Slop	e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLRA	A 244, LRR L M	1LRA 172 Lat:	42.	94173983	Long:	-75.7325236	Datu	ım: WGS 1984
Soil Map Unit Name:		Volusia chan	nery silt loam, 8 to	15 percei	nt slopes		_ NWI classification	on:	
	gic conditions on the			Yes	X No	(If no,	explain in Remark	s.)	
	, Soil,			•		"Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil,	or Hydrology _	naturally p	roblematio	? (If n	eeded, expla	ain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Atta	ch site map	showing san	npling p	oint locations	s, transec	ts, important	features, etc.	1
Hydrophytic Veget	ation Present?	Yes	X No		Is the Sample	d Area			
Hydric Soil Presen	nt?	Yes 2	X No		within a Wetla	nd?	Yes X	No	
Wetland Hydrology	y Present?	Yes	X No	_	If yes, optional	Wetland Site	e ID:	66-W013-1W PE	EM
	alternative procedure de seep within mowe			ent and sa	turated soil.				
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
	(minimum of one req	united: check al	I that apply)				Secondary Indica	ators (minimum of	f two required)
Surface Water		14	Water-Staine	d Leaves	(B9)			Cracks (B6)	
X High Water Ta	` ,		Aquatic Faun		()			atterns (B10)	
X Saturation (A	` '		Marl Deposits	` ,			Moss Trim L		
Water Marks	,		Hydrogen Su	` '	(C1)			Water Table (C2)
Sediment De	posits (B2)		X Oxidized Rhiz	zospheres	on Living Roots ((C3)	Crayfish Bu	•	
Drift Deposits	s (B3)		Presence of I	Reduced I	ron (C4)	,	Saturation V	isible on Aerial Ir	magery (C9)
Algal Mat or 0	Crust (B4)		Recent Iron F	Reduction	in Tilled Soils (C6)	Stunted or S	Stressed Plants ([01)
Iron Deposits	(B5)		Thin Muck Su	urface (C7)		Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Image	ry (B7)	Other (Explai	n in Rema	ırks)		Shallow Aqu	ıitard (D3)	
Sparsely Veg	etated Concave Surfa	ace (B8)					Microtopogr	aphic Relief (D4)	
							X FAC-Neutra	l Test (D5)	
Field Observation	ne:								
Surface Water Pre		No	X Depth (inch	es).					
Water Table Prese	•	No		′ —	8				
Saturation Present	•	X No				etland Hvd	rology Present?	Yes X	No
(includes capillary		<u> </u>	Bopai (mori			onana mya	rology i rocolici	100 <u>X</u>	
(,									
Describe Recorde	d Data (stream gauge	e, monitoring w	ell, aerial photos, p	orevious in	spections), if avai	lable:			
Remarks:									
ixemarks.									
i									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W013-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. 7____(B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 25 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 50 x 2 = FACW species 1. Salix / Willow 0 ___ x 3 = __ FAC species 2. __ 0 x 4 = FACU species UPL species 25 x 5 = __ 125 100 (A) Column Totals: 6. Prevalence Index = B/A = 2.5 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation Onoclea sensibilis / Sensitive fern 20 **FACW** X 2 - Dominance Test is >50% Yes 2. Symphyotrichum / Aster FACW X 3 - Prevalence Index ≤3.0¹ 3. Carex vulpinoidea / Fox sedge, Brown fox sedge Yes OBL 4 - Morphological Adaptations¹ (Provide supporting 4. Cornus amomum / Silky dogwood Yes Problematic Hydrophytic Vegetation¹ (Explain) 10 **FACW** 10 5. Carex / Sedge Yes NI 6. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai OBL ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. Equisetum / Horsetail No NI FACW 8. Carex scoparia / Pointed broom sedge Nο **Definitions of Vegetation Strata FACW** 9. Solidago gigantea / Smooth goldenrod 10. Scirpus atrovirens / Green bulrush OBL Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 90 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W013-1W

Profile Desc	ription: (Describe to th	ne depth nee	ded to document th	e indicator	or confirm	the absen	ce of indicators.)	
Depth	Matrix			Features			_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	95	7.5YR 3/4	5	C	PL	Silty Clay	<u> </u>
-	-							
								-
-								_
-								
¹Type: C=Coi	ncentration, D=Depletion	n, RM=Reduc	ed Matrix, MS=Mask	ed Sand Gr	ains.		²Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators fo	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Below	Surface (S	B) (LRR R,	MLRA 149	B) 2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)	_	Thin Dark Surfac	e (S9) (LR	R R, MLRA	A 149B)	Coast P	rairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)	_	Loamy Mucky M	ineral (F1)	(LRR K, L)		5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)	_	Loamy Gleyed M	latrix (F2)			Dark Su	rface (S7) (LRR K, L)
Stratified	d Layers (A5)	_	Depleted Matrix	(F3)			Polyvalu	ue Below Surface (S8) (LRR K, L)
Depleted	d Below Dark Surface (A	A11) _	X Redox Dark Surf	ace (F6)			Thin Da	rk Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)	_	Depleted Dark S	urface (F7)			Iron-Mai	nganese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)	_	Redox Depression	ons (F8)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							podic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							rent Material (F21)
	Matrix (S6)							allow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (E	Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland l	hydrology must be pr	esent, unles	s disturbed	or problem	natic.	
Restrictive I	.ayer (if observed):							
Type:	ayer (ii observed).							
Depth (in	ches):		<u></u>				Hydric Soil Pres	sent? Yes X No
								
Remarks:	Gravel refusal at 8 inch	0 0						
	Oraver relusar at 6 men	C3						

Project/Site:	21028 Hoffman Fa	alls Wetland Delinea	ation City/	County: Towns of Eato	on, Fenner, Ne	elson, and Smit	Sampling Date	e: 07/07/2023
Applicant/Owner:			y Renewables	,· <u></u>		: New York		
Investigator(s):		JB, AT		on, Township, Range:				
Landform (hillslope, t	terrace, etc):	Foot of slope		oncave, convex, none				ppe (%): 0-5
Subregion (LRR or M	MLRA): LRR R MLRA	A 244, LRR L MLR		42.94042467	Long:	-75.7216406	 67 Da	tum: WGS 1984
Soil Map Unit Name:			y silt loam, 3 to 8 per	cent slopes		NWI classification	on:	-
Are climatic / hydrolo	gic conditions on the				(If no, ex	plain in Remark	s.)	
Are Vegetation	, Soil ,	or Hydrology	significantly distu	rbed? Are "	Normal Circun	nstances" prese	ent? Yes	X No
	, Soil ,		·			any answers in	_	
				g point locations	=	-	,	С.
Hydrophytic Veget		Yes	No X	Is the Sampled		, , ,	,	
Hydric Soil Presen		Yes X	No	within a Wetlan		Yes	No X	•
Wetland Hydrology		Yes		If yes, optional V				<u>· </u>
- Trottana Tryanology	y 1 100011K.			n you, optional v	Totalia Oito ID	<u></u>		
Remarks: (Explain	alternative procedur	es here or in a sep	arate report.)					
HYDROLOGY								
Wetland Hydrolog	gy Indicators:							
	(minimum of one red	uired; check all tha	at apply)		s	econdary Indica	ators (minimum	of two required)
Surface Wate			Water-Stained Leav	res (B9)		•	Cracks (B6)	. , , , , , , , , , , , , , , , , , , ,
High Water Ta	` '	_	Aquatic Fauna (B13	3)	_		atterns (B10)	
Saturation (A			Marl Deposits (B15		_	Moss Trim L		
Water Marks	, (B1)		Hydrogen Sulfide C	dor (C1)	_		Water Table (C	2)
Sediment Dep	` '	_	-	eres on Living Roots (0		Crayfish Bu		,
Drift Deposits	. ,		Presence of Reduc	,	_		/isible on Aerial	Imagery (C9)
Algal Mat or 0	• •	_		ion in Tilled Soils (C6)	_		Stressed Plants	
Iron Deposits	, ,	_	Thin Muck Surface	, ,	_		Position (D2)	(- ')
	sible on Aerial Image	-rv (B7)	Other (Explain in Re		_	Shallow Aqu	` ,	
	etated Concave Surf		- (1	,	_		aphic Relief (D4	1)
_ ' '		(- /			_	FAC-Neutra	•	,
F: 1101 //								
Field Observation		NI V	5 " " ' ' ' '					
Surface Water Pre		NoX	_ Depth (inches): _					
Water Table Prese		NoX	_ ' \ ′ _				.,	
Saturation Present		NoX	_ Depth (inches): _	We	etland Hydrol	ogy Present?	Yes	No <u>X</u>
(includes capillary	fringe)							
Describe Recorded	d Data (stream gauge	e, monitoring well,	aerial photos, previou	s inspections), if availa	able:			
	, ,			. ,				
Remarks:								

VEGETATION - Use scientific names of plants. Sampling Point: 66-W014-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: ____30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Prunus serotina / Black cherry FACU Species Across All Strata: 4 ____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 10 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 ___ x 2 = __ FACW species Lonicera morrowii / Morrow's honeysuckle 75 x 3 = FAC species FACU species 65 x 4 = 260 UPL species 0 x 5 = 0 (A) ___ Column Totals: 140 6. Prevalence Index = B/A = 3.46**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Solidago rugosa / Wrinkle-leaf goldenrod 50 FAC 2 - Dominance Test is >50% Yes 2. Euthamia graminifolia / Flat-top goldentop FAC 3 - Prevalence Index ≤3.01 FACU 4 - Morphological Adaptations1 (Provide supporting 3. Galium aparine / Cleavers, Goose grass 20 4. Phleum pratense / Common timothy, Cultivated timothy FACU Problematic Hydrophytic Vegetation¹ (Explain) 10 10 FACU 5. Centaurea jacea / Brownray knapweed ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8 **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 115 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W014-1U

	ription: (Describe to th	e depth nee			or confirm	the abser	nce of indicators.)	
Depth (inches)	Matrix Color (moist)	<u></u> %		Features	Ture = 1	Loc²	Toyture	Domarks
(inches)	Color (moist)		Color (moist)	- <u>%</u> 5	Type ¹		Texture	Remarks
0-13	10YR 3/2	95	5YR 4/6	<u> </u>	C	M	Clay Loam	_
-				· 				
				· ———				
				· ———				
	· 			·				
							·	
¹Type: C=Co	ncentration, D=Depletion	n, RM=Reduc	ed Matrix, MS=Mask	ed Sand G	ains.		²Location	: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol			Polyvalue Below	Surface (S	8) (LRR R.	MLRA 149		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)	=	Thin Dark Surface	•			· ·	airie Redox (A16) (LRR K, L, R)
	stic (A3)	=	Loamy Mucky M			,		cky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)	_	Loamy Gleyed N		,, - /			face (S7) (LRR K, L)
	d Layers (A5)	-	Depleted Matrix					e Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	_ \11)	X Redox Dark Sur					Surface (S9) (LRR K, L)
	ark Surface (A12)	···/ _	Depleted Dark S					ganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	-	Redox Depressi					t Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)	=	Redox Depressi	0113 (1 0)				odic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							ent Material (F21)
	Matrix (S6)							llow Dark Surface (TF12)
	rface (S7) (LRR R, ML	RA 149R)						plain in Remarks)
Bulk ou	nace (er) (Erat it, inc	IVA 1400)						pian in Remarks)
³ Indicators of	hydrophytic vegetation	and wetland l	nydrology must be pr	esent, unle	ss disturbed	or problen	natic.	
Restrictive L	.ayer (if observed):							
Type:	, (
Depth (in	ches):		<u> </u>				Hydric Soil Prese	ent? Yes X No
2001.								
Remarks:								
	Gravel refusal at 13 inch	nes						

Project/Site:	21028 Hoffman Fall	Is Wetland Deli	ineation	City/Coun	ty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date	e: 07/07/2023
Applicant/Owner:		Lib	erty Renewables				ite: New York		
Investigator(s):		JB, AT	-	Section, T	ownship, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smith	nfield, Madison Count
Landform (hillslope, to	errace, etc):	Swale	Local re		ve, convex, none				ope (%): 0-3
Subregion (LRR or M	ILRA): LRR R MLRA	244, LRR L M			4044433	Long:	-75.7216253	33 Da	atum: WGS 1984
Soil Map Unit Name:		Volusia chan	nery silt loam, 3 to	8 percent	slopes		NWI classification	on:	
	gic conditions on the					(If no,	explain in Remark	s.)	
Are Vegetation	, Soil, c	or Hydrology	significantl	y disturbed	? Are '	Normal Circ	· :umstances" prese	ent? Yes	X No
Are Vegetation			naturally pi	roblematic?			in any answers in	·	
	INDINGS - Attac	_				-	•	•	C.
Hydrophytic Vegeta		Yes X			Is the Sampled		, 	, , , , , , , , , , , , , , , , , , , ,	-
Hydric Soil Present		Yes X		-	within a Wetlar		Yes X	No	
Wetland Hydrology		Yes X		-	If yes, optional \			No 66-W014-1W I	
vvetiand riydrology	r resent:	163	<u> </u>	_	ii yes, optional t	veliand Site		00-11014-1111	
Remarks: (Explain	alternative procedure	s here or in a s	separate report.)						
HYDROLOGY									
Wetland Hydrolog	ny Indicators:								
, ,	(minimum of one requ	iired: check all	that apply)				Secondary Indica	ators (minimum	of two required)
Surface Water		anca, check an	Water-Stained	d Leaves (F	80)			Cracks (B6)	or two required)
X High Water Ta	` '	-	Aquatic Faun	•	55)			atterns (B10)	
X Saturation (A3	` ,	-	Marl Deposits	, ,			Moss Trim L		
Water Marks (•	-	Hydrogen Sul	` ,	C1)			Water Table (C	201
Sediment Dep	` '	-	X Oxidized Rhiz	,	•	-3/	Crayfish Bu		,,,
Drift Deposits	, ,	-	Presence of F			55)		isible on Aerial	Imagery (C0)
Algal Mat or C	• •	-			Tilled Soils (C6)			Stressed Plants	
Iron Deposits	` '	-	Thin Muck Su		Tilled Solis (Co)			Position (D2)	(D1)
	sible on Aerial Imager	. (B7)	Other (Explain		ke)		Shallow Aqu		
				ıı iii Neillali	NS)		Shallow Aqu	iliaiu (D3)	
_		- ' ' -					Microtopogr	anhic Polief (D	4)
_	etated Concave Surfa	- ' ' -						aphic Relief (D4	4)
_		- ' ' -					Microtopogr FAC-Neutra		4)
_	etated Concave Surfa	- ' ' -							4)
Sparsely Vege	etated Concave Surfa	ce (B8)	X Depth (inche						4)
Sparsely Vege	ns: sent? Yes _	ce (B8)		es):	5				4)
Sparsely Vege Field Observation Surface Water Pres	ns: sent? Yes _ nt? Yes _	No	X Depth (inche	es):		etland Hydr			,
Field Observation Surface Water Present Water Table Present	ns: sent? Yes _ nt? Yes _ ? Yes _	No	X Depth (inche	es):		etland Hydr	FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary to	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary to	ns: sent? Yes _ nt? Yes _ ? Yes _	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary to	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary to	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	ns: sent? rich Yes ri	No	X Depth (inche Depth (inche Depth (inche	es): es):	0 W		FAC-Neutra	I Test (D5)	,

VEGETATION - Use scientific names of plants.				Sampling Point: 66-W014-1W
				Dominance Test worksheet:
				Number of Dominant Species
				·
	Absolute	Dominant	Indicator	That Are OBL, FACW, or FAC: 1 (A)
Tree Stratum (Plot size: 30 Feet)	% Cover	Species?	Status	
1.				Total Number of Dominant
				Species Across All Strata: 3 (B)
2.				
3.				Percent of Dominant Species
4				That Are OBL, FACW, or FAC: 33.3 (A/B)
5				
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Cov	er	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 Feet)		_		
1. Salix / Willow	20	Yes	NI	FACW species 100 x 2 = 200
	20			FAC species 0 x 3 = 0
Lonicera morrowii / Morrow's honeysuckle		Yes	FACU	FACU species 20 x 4 = 80
3				UPL species 20 x 5 = 100
4				Column Totals: 140 (A) 380 (B)
5				
6.				Prevalence Index = B/A = 2.71
-		-		Frevalence index – B/A – 2.71
<i>1.</i>	40	= Total Cov	er	Hydrophytic Vegetation Indicators:
Heats Otrestone (Diet siese 5 Feet)	40	_ = 10tal C0v	CI CI	
Herb Stratum (Plot size: 5 Feet)				1 - Rapid Test for Hydrophytic Vegetation
Phalaris arundinacea / Reed canary grass	90	Yes	FACW	2 - Dominance Test is >50%
Onoclea sensibilis / Sensitive fern	10	No	FACW	X 3 - Prevalence Index ≤3.0¹
3				4 - Morphological Adaptations¹ (Provide supporting
·				Problematic Hydrophytic Vegetation¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
			-	•
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strate
9				Definitions of Vegetation Strata
10				
11				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
12.				breast height (DBH), regardless of height.
	100	= Total Cov	er	Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30 Feet)			·.	greater than or equal to 3.28 ft (1 m) tall.
				Herb - All herbaceous (non-woody) plants, regardless of
1				size, and woody plants less than 3.28 ft tall.
2				
3				Woody vines - All woody vines greater than 3.28 ft in
4.				height.
	0	= Total Cov	er	
		_		Hydrophytic
				Vegetation
				Present? Yes X No
Remarks: (Explain alternative procedures here or in a separa	ate report.)			

SOIL Sampling Point: 66-W014-1W

Depth	Matrix		Redox	x Features			ce of indicators		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarks
0-4	10YR 4/2	100					Silty Clay		
4-18	10YR 4/1	90	7.5YR 5/6	10	С	PL	Silty Clay		
				_					
			-		·			_	
	·			_					
	-								
	· -								
	-							-	
	·			_	· —— ·				
	·						.		
	·			_					
	·			_	· —— ·				
Type: C=Cor	ncentration, D=Depletion	n RM=Redu		ked Sand G	ains		²l oca	ion: PI =Pore	Lining, M=Matrix.
ydric Soil I	ndicators:						Indicators	for Problem	atic Hydric Soils³:
Histosol	(A1)		Polyvalue Belov	w Surface (S	8) (LRR R,	MLRA 1491	3) 2 cm	Muck (A10) (I	LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		Thin Dark Surfa	ice (S9) (LF	RR R, MLRA	149B)	Coast	Prairie Redo	x (A16) (LRR K, L, R)
Black His	stic (A3)		Loamy Mucky N	/lineral (F1)	(LRR K, L)		5 cm	Mucky Peat o	r Peat (S3) (LRR K, L, R
Hydroge	en Sulfide (A4)		Loamy Gleyed	Matrix (F2)			Dark	Surface (S7)	(LRR K, L)
Stratified	d Layers (A5)		X Depleted Matrix	(F3)			Polyv	alue Below Si	urface (S8) (LRR K, L)
_	d Below Dark Surface (A	\11)	Redox Dark Su						(S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dark S	Surface (F7)			Iron-N	langanese M	asses (F12) (LRR K, L,
Sandy M	Mucky Mineral (S1)		Redox Depress	ions (F8)			—— Piedm	ont Floodplai	in Soils (F19) (MLRA 149
Sandy G	Gleyed Matrix (S4)			, ,) (MLRA 144A, 145, 149
	Redox (S5)							arent Materia	
	l Matrix (S6)								Surface (TF12)
	rface (S7) (LRR R, ML	RA 149B)						(Explain in R	
	, , , , ,	•					_		,
Indicators of	hydrophytic vegetation	and wetland	d hydrology must be p	resent, unle	ss disturbed	or problem	atic.		
	nyaropnyao vogotation								
Restrictive L	.ayer (if observed):								
Restrictive L	.ayer (if observed):						Hydric Soil P	resent?	Ves X No
Restrictive L	.ayer (if observed):		<u></u>				Hydric Soil P	resent?	Yes <u>X</u> No
Restrictive L	.ayer (if observed):		_				Hydric Soil P	esent?	Yes X No
Restrictive L Type: Depth (inc	.ayer (if observed):						Hydric Soil P	resent?	Yes <u>X</u> No
Restrictive L Type: Depth (inc	.ayer (if observed):						Hydric Soil Pi	resent?	Yes X No
Restrictive L Type: Depth (inc	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (inc	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (inc	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
Restrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No
estrictive L Type: Depth (in	.ayer (if observed):						Hydric Soil P	resent?	Yes X No

Project/Site:	21028 Hoffman F	Falls Wetland Delinea	tion	City/Cour	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date	e: 07/19/2023
Applicant/Owner:		Liberty	Renewables	•			ate: New York		
Investigator(s):		JB GH		Section, 7	Township, Range:	: Towns of	Eaton, Fenner, Nel	lson, and Smith	nfield, Madison Count
Landform (hillslope, t	terrace, etc):	hill slope	Local re	lief (conca	ve, convex, none	e):	concave	Slo	ope (%): 2-7
Subregion (LRR or M		RA 244, LRR L MLRA			9440361	Long:	-75.769893	6 Da	atum: WGS 1984
Soil Map Unit Name:		Lima silt lo	am, 3 to 8 perc	cent slope:	s		NWI classification	on:	
Are climatic / hydrolo	gic conditions on the	ne site typical for this t	time of year?	Yes X	(No	(If no,	explain in Remarks	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly	disturbed	l? Are	"Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	, or Hydrology	naturally pro	oblematic1	? (If ne	eded, expla	ain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Atta	ach site map sh	owing sam	pling po	oint locations	s, transec	ts, important	features, et	C.
Hydrophytic Veget	ation Present?	Yes	No X	_	Is the Sampled	l Area			
Hydric Soil Presen	ıt?	Yes	No X	_	within a Wetlar	nd?	Yes	NoX	<u>(</u>
Wetland Hydrology	y Present?	Yes	No X	-	If yes, optional \	Wetland Site	e ID:		
		ures here or in a sepa in active agriculture fi		•					
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
1		equired; check all that	t apply)				Secondary Indica	ntors (minimum	of two required)
Surface Water	,	rquirou, orioon un trial	Water-Stained	Leaves (I	B9)			Cracks (B6)	or two required)
High Water Ta	` '	_	Aquatic Fauna	,	20)		Drainage Pa	` ,	
Saturation (A	` '		Marl Deposits	` '			Moss Trim L		
Water Marks	(B1)	_	Hydrogen Sulf	fide Odor ((C1)		Dry-Season	Water Table (C	(2)
Sediment De	posits (B2)		Oxidized Rhize	ospheres	on Living Roots (C3)	Crayfish Bur	rows (C8)	
Drift Deposits	; (B3)	<u> </u>	Presence of R	Reduced Iro	on (C4)		Saturation V	isible on Aerial	Imagery (C9)
Algal Mat or 0	Crust (B4)	<u> </u>	Recent Iron Re	eduction ir	n Tilled Soils (C6))	Stunted or S	tressed Plants	(D1)
Iron Deposits	(B5)		Thin Muck Sur	rface (C7)			Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Imag	ery (B7)	Other (Explain	ı in Remar	ks)		Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Sur	rface (B8)						aphic Relief (D	4)
							FAC-Neutral	Test (D5)	
Field Observation	ns:								
Surface Water Pre	esent? Yes	s No X	Depth (inche	es):					
Water Table Prese	ent? Yes	No X	Depth (inche	es):					
Saturation Present	t? Yes	No X	Depth (inche	es):	w	etland Hyd	rology Present?	Yes	No X
(includes capillary	fringe)		-						_
	10.1.7.1								
Describe Recorde	d Data (stream gaug	ge, monitoring well, a	eriai photos, pr	revious ins	spections), if avail	lable:			
Remarks:									
ĺ									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W015-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: ____30 Feet) % Cover Species? Status **Total Number of Dominant** Prunus serotina / Black cherry 15 Yes FACU Species Across All Strata: 5 (B) 2. Malus / Apple Yes NI 3. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 30 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 ___ x 2 = __ FACW species 1. Lonicera morrowii / Morrow's honeysuckle 0 _ x 3 = FAC species FACU species 60 x 4 = UPL species 25 x 5 = 125 (A) Column Totals: 85 5. 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 25 FACU 1. Solidago canadensis / Canada goldenrod 2 - Dominance Test is >50% 2. Pastinaca sativa / Wild parsnip NI 3 - Prevalence Index ≤3.0¹ FACU 4 - Morphological Adaptations1 (Provide supporting 3. Rubus allegheniensis / Allegheny blackberry 4. Galium aparine / Cleavers, Goose grass 5 FACU Problematic Hydrophytic Vegetation¹ (Explain) No 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W015-1U

Depth	ription: (Describe to the Matrix	<u> </u>		Features				-			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remar	ks	
0-18	2.5Y 4/3	98	7.5YR 4/6	5	С	М	Clay Loam				
				-							
		·	_								
	<u> </u>										
								-			
		· 									
Type: C=Coi	ncentration, D=Depletio	n. RM=Redu		ed Sand Gra	ains.		²Loca	ation: PL=P	ore Lining, N	Л=Matrix.	
	·		acca matrix, me macr	- Cara Cara Cre						, man,	
ydric Soil I	ndicators:							s for Probl	ematic Hyd	ric Soils³:	
Histosol	(A1)		Polyvalue Belov	v Surface (S8	3) (LRR R,	MLRA 149	B) 2 cm	Muck (A10) (LRR K, L	, MLRA 14	49B)
Histic Ep	pipedon (A2)		Thin Dark Surfa	ce (S9) (LR	R R, MLRA	A 149B)	Coas	t Prairie Re	edox (A16)	(LRR K, L	, R)
Black Hi	istic (A3)		Loamy Mucky M	lineral (F1) (LRR K, L)		5 cm	Mucky Pea	at or Peat (S	3) (LRR K	(, L, R)
— Hydroge	en Sulfide (A4)		Loamy Gleyed N	Matrix (F2)			Dark	Surface (S	7) (LRR K,	L)	
Stratified	d Layers (A5)		Depleted Matrix	(F3)			Poly	/alue Belov	v Surface (S	8) (LRR K	(, L)
Depleted	d Below Dark Surface (A11)	Redox Dark Sur	face (F6)			Thin	Dark Surfa	ce (S9) (LR	R K, L)	
Thick Da	ark Surface (A12)		Depleted Dark S	Surface (F7)			Iron-l	Manganese	e Masses (F	12) (LRR	K, L, R)
Sandy M	Mucky Mineral (S1)		Redox Depressi				— Piedr	mont Flood	plain Soils (F	19) (MLR	A 149B)
	Gleyed Matrix (S4)			()					A6) (MLRA		
	Redox (S5)							· Parent Mat		,	., . ,
	Matrix (S6)								ark Surface (TF12)	
	rface (S7) (LRR R, ML	RA 149R)							n Remarks)	,	
Dark ou	made (67) (ERRER, III.	1400)						i (Explaiii ii	ii i (cinano)		
Indicators of	hydrophytic vegetation	and wetland	d hydrology must be p	resent, unles	s disturbed	or problem	natic.				
D 4 - 1 - 4 1	(# - b d).										
	_ayer (if observed):										
Type:	-L \.						Unidada Ondo		V	NI-	V
Depth (in	iches):						Hydric Soil P	resent?	Yes	No	X
Remarks:											
torriarno.											

Project/Site:	21028 Hoffman Fa	alls Wetland Deli	ineation	City/Coun	ty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	07/19/2023
Applicant/Owner:		Lib	erty Renewables	•		St	ate: New York	Sampling Point:	66-W015-1W
Investigator(s):		JB	-	Section, T	ownship, Range:	Towns of	Eaton, Fenner, Nel	son, and Smithfi	eld, Madison Count
Landform (hillslope, t	errace, etc):	Hillside seep	Local re	elief (conca	ve, convex, none	e):	concave	Slop	pe (%): 0-5
Subregion (LRR or M		•				Long:			um: WGS 1984
Soil Map Unit Name:							NWI classificatio		
Are climatic / hydrolo						(If no,	_ explain in Remarks	s.)	
Are Vegetation	, Soil,	, or Hydrology	significantl	y disturbed	? Are '	"Normal Cir	cumstances" prese	nt? Yes	X No
	, Soil			roblematic?	(If ne	eded, expl	ain any answers in	Remarks.)	
SUMMARY OF F		_				, transec	cts, important f	features, etc.	
Hydrophytic Vegeta		Yes X			Is the Sampled		•	•	
Hydric Soil Presen		Yes X			within a Wetlar		Yes X	No	
Wetland Hydrology		Yes X		-				66-W015-1W PE	<u>—</u> =M
- rouding riyal diegy					, 500, 0p.11011011				
ÈEM	alternative procedure portion of wetland or ing within transition z	ccurs in active a	griculture field plar		•	is significar	ntly stunted in this a	rea. Obligate we	tland plants
HYDROLOGY									
Wetland Hydrolog									
	(minimum of one red	quired; check all	,				Secondary Indica		f two required)
Surface Wate	` '	_	Water-Stained	•	39)		Surface Soil	` ,	
High Water Ta	` ,	=	Aquatic Faun	. ,			Drainage Pa		
Saturation (A3	•	-	Marl Deposits	` ,	04)		Moss Trim L	, ,	,
Water Marks (` '	-	Hydrogen Sul	,	*	C2)		Water Table (C2)
Sediment Dep	` '	-		•	on Living Roots (C3)	Crayfish Bur X Saturation V		magan, (CO)
Drift Deposits Algal Mat or 0	` '	-	Presence of F		n (C4) Tilled Soils (C6)		X Stunted or S		o , (,
Iron Deposits	, ,	=	Thin Muck Su		Tilled Solls (Co)	1		Position (D2)	J1)
	sible on Aerial Image	- -ny (R7)	Other (Explain	, ,	(e)		Shallow Aqu		
_	etated Concave Surf		Other (Explain	ii iii i toiliali	(3)			aphic Relief (D4)	
=	J	(20)					X FAC-Neutral	. ,	
Field Observation		N ₂ N	V D	\					
Surface Water Pre			X Depth (inche X Depth (inche	· —					
Water Table Prese				, <u> </u>		المسطالات	luala es a Dua a a m42	Van V	Na
Saturation Present		No>	X Depth (inche	es):	*	etiano Hyd	rology Present?	Yes X	No
(includes capillary	minge)								
Describe Recorded	d Data (stream gaug	e, monitoring we	ell, aerial photos, p	revious ins	pections), if avail	able:			
Remarks:									
ixemarks.									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W015-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 15 x 1 = 15 Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 15 ___ x 3 = ___ FAC species 0 x 4 = _ FACU species 0 UPL species x 5 = __ 30 (A) Column Totals: 6. Prevalence Index = B/A = 2.0 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Eutrochium maculatum / Spotted trumpetweed 10 OBL X 2 - Dominance Test is >50% Yes 10____ 2. Euthamia graminifolia / Flat-top goldentop FAC X 3 - Prevalence Index ≤3.0¹ 3. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai 5 OBL 4 - Morphological Adaptations1 (Provide supporting 4. Echinochloa crus-galli / Barnyard grass 5 Problematic Hydrophytic Vegetation¹ (Explain) No FAC 6. ___ ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 30 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W015-1W

Profile Desci Depth	ription: (Describe to the Matrix	ne depth need		e indicator Features	or confirm	the abser	nce of indicators	.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/1	95	7.5YR 4/4	5	C	M	Clay Loam	Romano
0 10	1011(4/1		7.011(4/4			101	Oldy Louin	
		-						
				· ——				
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduce	ed Matrix, MS=Mask	red Sand Gra	ains.		²Locati	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils³:
Histosol			Polyvalue Below	Surface (S	3) (LRR R ,	MLRA 149	B) 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	Thin Dark Surfa					Prairie Redox (A16) (LRR K, L, R)
Black Hi		_	– Loamy Mucky M	, , .		,		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N	. ,	(, -,			Surface (S7) (LRR K, L)
	Layers (A5)		Depleted Matrix					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	_	Redox Dark Sur					erk Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark S					anganese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	Redox Depressi					ont Floodplain Soils (F19) (MLRA 149B)
		_	_ Redox Depressi	ons (Fo)				
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)	D. 4.40D)						hallow Dark Surface (TF12)
Dark Sui	face (S7) (LRR R, ML	RA 149B)					Other	(Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland h	ydrology must be pi	resent, unles	s disturbed	or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):		<u> </u>				Hydric Soil Pr	esent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman	Falls Wetland Deline	ation	City/Cou	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Da	te: 07/19/2023
Applicant/Owner:		Libert	y Renewables	•		Sta	ate: New York	Sampling Poi	int: 66-W015-2U
Investigator(s):		JB GH	-	Section,	Township, Range:	Towns of	Eaton, Fenner, Nel	lson, and Smit	thfield, Madison Cou
Landform (hillslope, t	terrace, etc):	hill slope	Local re	elief (conc	ave, convex, none		convex	S	Slope (%): 2-7
Subregion (LRR or M	ILRA): LRR R ML	LRA 244, LRR L MLR	A 172 Lat:	42	2.944002	Long:	-75.770046	S D	Datum: WGS 1984
Soil Map Unit Name:		Appleton I	oam, 3 to 8 per	cent slope	es		NWI classification	n:	
Are climatic / hydrolo	gic conditions on t	the site typical for this	time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly	disturbe	d? Are "	'Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	_, or Hydrology	naturally pr	oblematic	? (If ne	eded, expla	ain any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - At	tach site map sh	nowing sam	pling p	oint locations	, transec	ts, important	features, e	tc.
Hydrophytic Veget	ation Present?	Yes X	No		Is the Sampled	Area			
Hydric Soil Presen	ıt?	Yes	No X	_	within a Wetlan	ıd?	Yes	No	Χ
Wetland Hydrology	y Present?	Yes	No X	_	If yes, optional V	Netland Site			
	alternative proced nd scrub shrub	dures here or in a sep	arate report.)						
HYDROLOGY									
Wetland Hydrolog	av Indicatore:								
	••	required; check all tha	at apply)				Secondary Indica	otore (minimum	n of two required)
Surface Wate		required, cricox air trie	Water-Stained	l Leaves ((R9)			Cracks (B6)	Tortwo required)
High Water Ta	` '		Aquatic Fauna	,	(03)		Drainage Pa	, ,	
Saturation (A:	, ,		Marl Deposits				Moss Trim L		
Water Marks	,		Hydrogen Sul	` '	(C1)			Water Table (C2)
Sediment De	` '				on Living Roots (C3)	Crayfish Bur	,	02)
Drift Deposits			Presence of F	•	- ,	50)		. ,	al Imagery (C9)
Algal Mat or 0	, ,				in Tilled Soils (C6)	i		tressed Plant	
Iron Deposits	, ,		Thin Muck Su		, ,			Position (D2)	` '
	sible on Aerial Ima	agery (B7)	Other (Explain	` '	,		Shallow Aqu	, ,	
	etated Concave Si		O 11.01 (27.p.u.)					aphic Relief ([04)
		(= -)					FAC-Neutral	. ,	,
F: 1101 //									
Field Observation		a. Na V	D 41- /: 1	\-					
Surface Water Pre		es NoX_	_ Depth (inche	· —					
Water Table Prese		es No X	_ · `	′ —					N. V
Saturation Present		es No <u>X</u>	_ Depth (inche	es):	W	etland Hydi	rology Present?	Yes	No <u>X</u>
(includes capillary	tringe)								
Describe Recorded	d Data (stream ga	uge, monitoring well,	aerial photos, p	revious in	spections), if avail	able:			
	, ,								
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W015-2U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 5 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 8 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = 0 Sapling/Shrub Stratum (Plot size: 15 Feet 10 x 2 = ___ FACW species 1. Rhamnus cathartica / European buckthorn FAC 45 x 3 = FAC species 135 10 2. Fraxinus americana / White ash Yes FACU 35 x 4 = FACU species 10 ___ 3. Prunus serotina / Black cherry FACU x 5 = UPL species 5 (A) ___ Column Totals: 5 6. Prevalence Index = B/A = 3.37 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Symphyotrichum prenanthoides / Crooked-stem american-as 10 FAC X 2 - Dominance Test is >50% Yes 2. Euthamia graminifolia / Flat-top goldentop FAC 3 - Prevalence Index ≤3.01 10 Yes FAC 4 - Morphological Adaptations1 (Provide supporting 3. Geum canadense / White avens 4. Arctium minus / Common burdock 10 Yes FACU Problematic Hydrophytic Vegetation¹ (Explain) 10 FACW 5. Solidago gigantea / Smooth goldenrod Yes 6. Fragaria vesca / Wild strawberry, Wood strawberry 5 UPL ¹Indicators of hydric soil and wetland hydrology must 7. Rubus allegheniensis / Allegheny blackberry FACU be present, unless disturbed or problematic. 8. _ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W015-2U

Profile Desc	ription: (Describe to the Matrix	ne depth need		ne indicator x Features	or confirm	the absen	ice of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remark	(S
0-6	10YR 3/2	100	Color (moist)		Турс		Clay Loam	rteman	
6-18	10YR 4/4	100					Clay Loam		_
0-10	101114/4						Olay Loain		
-									
-									
-									
-									
									
'Type: C=Cor	ncentration, D=Depletio	n, RM=Reduce	ed Matrix, MS=Masi	ked Sand Gra	ains.		² Location	n: PL=Pore Lining, M	1=Matrix.
Hydric Soil I	ndicators:						Indicators fo	r Problematic Hydr	ic Soils³:
Histosol	(A1)		Polyvalue Belov	v Surface (S8	3) (LRR R,	MLRA 149	B) 2 cm Mu	ick (A10) (LRR K, L	, MLRA 149B)
Histic Ep	ipedon (A2)	-	Thin Dark Surfa					rairie Redox (A16) (LRR K, L, R)
Black Hi		_	Loamy Mucky N			•		icky Peat or Peat (S	
	n Sulfide (A4)	_	Loamy Gleyed I		, ,			rface (S7) (LRR K,	
	Layers (A5)	_	Depleted Matrix					e Below Surface (S8	
	Below Dark Surface (A	A11)	Redox Dark Sui					k Surface (S9) (LR	
	rk Surface (A12)	_	Depleted Dark S					nganese Masses (F1	
	lucky Mineral (S1)	_	Redox Depress					nt Floodplain Soils (F	
	leyed Matrix (S4)	_		(. 0)				podic (TA6) (MLRA	
	edox (S5)							ent Material (F21)	
	Matrix (S6)							allow Dark Surface (TF12)
	face (S7) (LRR R, ML	RA 149B)						(xplain in Remarks)	,
	idoo (o/) (Littri, iii.							Apiani in riomano,	
³Indicators of	hydrophytic vegetation	and wetland h	ydrology must be p	resent, unles	s disturbed	or problem	natic.		
Restrictive L	ayer (if observed):								
Type:			<u></u>						
Depth (in	ches):						Hydric Soil Pres	sent? Yes	NoX
Remarks:									

Project/Site:	21028 Hoffman F	alls Wetland Deline	ation	City/Cou	inty: Towns of Ea	aton, Fenner,	, Nelson, and Smit	Sampling Date	e: 07/19/2023
Applicant/Owner:		Liber	ty Renewables	•		St	ate: New York	Sampling Poir	nt: 66-W015-2W
Investigator(s):		JB GH	-	Section,	Township, Range				hfield, Madison Cour
Landform (hillslope, t	terrace, etc):	Hillside seep	Local r	elief (cond	ave, convex, non	ne):	concave	SI	lope (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLF	RA 244, LRR L MLR	A 172 Lat:	42	2.943926	Long:	-75.770059	D:	atum: WGS 1984
Soil Map Unit Name:		Appleton	loam, 3 to 8 pe	rcent slop	es		NWI classification	on:	·
Are climatic / hydrolo	gic conditions on the	e site typical for this	time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantl	ly disturbe	d? Are	: "Normal Cir	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	, or Hydrology	naturally p	roblematio	c? (If r	needed, expla	ain any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Atta	ach site map s	howing san	npling p	oint location	s, transec	cts, important	features, et	ic.
Hydrophytic Veget	ation Present?	Yes X	No		Is the Sample	d Area			
Hydric Soil Presen	ıt?	Yes X	No		within a Wetla	and?	Yes X	No	
Wetland Hydrology	y Present?	Yes X	No	<u> </u>	If yes, optional	Wetland Site	e ID:	66-W015-2W	PSS
Remarks: (Explain	alternative procedu	res here or in a sep	parate report.)						
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
	(minimum of one re	quired; check all th	at apply)				Secondary Indica	itors (minimum	of two required)
Surface Wate	,		Water-Staine	d Leaves	(B9)			Cracks (B6)	
X High Water Ta	able (A2)		Aquatic Faun	ıa (B13)			Drainage Pa		
X Saturation (A:	` '		Marl Deposits				Moss Trim L		
Water Marks	(B1)		Hydrogen Su	Ifide Odor	(C1)		Dry-Season	Water Table (0	C2)
Sediment De	posits (B2)		Oxidized Rhiz	zospheres	on Living Roots	(C3)	Crayfish Bur	rows (C8)	
Drift Deposits	(B3)		Presence of I	Reduced I	ron (C4)		Saturation V	isible on Aeria	l Imagery (C9)
Algal Mat or 0	Crust (B4)	_	Recent Iron F	Reduction	in Tilled Soils (C6	3)	Stunted or S	tressed Plants	; (D1)
Iron Deposits	(B5)	_	Thin Muck Su	urface (C7)		Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Image	ery (B7)	Other (Explai	in in Rema	arks)		Shallow Aqu	iitard (D3)	
Sparsely Veg	etated Concave Sur	face (B8)					Microtopogra	aphic Relief (D	4)
							X FAC-Neutra	l Test (D5)	
Field Observation	ne:								
Surface Water Pre		s No X	Depth (inch	es).					
Water Table Prese					10				
Saturation Present			_ · `			Netland Hvd	Irology Present?	Yes X	. No
(includes capillary		<u> </u>				rottuna mya	irology i rocolit.	100	
(morados sapinary									
Describe Recorded	d Data (stream gaug	ge, monitoring well,	aerial photos, p	orevious in	spections), if ava	ıilable:			
Remarks:									
Nemarks.									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W015-2W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. 4 _ (B) Species Across All Strata: 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 25 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 45 ___ x 2 = ___ FACW species __FACU 1. Lonicera morrowii / Morrow's honeysuckle Yes 5 ___ x 3 = __ FAC species 2. Salix / Willow NI FACU species 20 x 4 = 3. _____ x 5 = UPL species 15 (A) Column Totals: 110 5. 6. Prevalence Index = B/A = 2.59**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation FACW 1. Onoclea sensibilis / Sensitive fern 35 2 - Dominance Test is >50% Yes 2. Eutrochium maculatum / Spotted trumpetweed OBL X 3 - Prevalence Index ≤3.0¹ FACW 4 - Morphological Adaptations1 (Provide supporting 3. Solidago gigantea / Smooth goldenrod 4. Solidago rugosa / Wrinkle-leaf goldenrod 5 FAC Problematic Hydrophytic Vegetation¹ (Explain) No 6. ___ ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 75 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W015-2W

	ription: (Describe to th	ne depth nee			or confirm	the absen	ce of indicators	s.)	
Depth	Matrix	0/		x Features	T 1	12	T-,	D	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-12	10YR 2/1	100					Silt Loam		
12-18	2.5Y 4/2	90	5Y 5/4	10	C	M	Clay Loam		
-									
				_					
				_					
	-								
¹Type: C=Co	ncentration, D=Depletio	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=Pore Lining, M=Matrix.	
Hydric Soil I	Indicators:						Indicators	for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belov	w Surface (S	8) (LRR R ,	MLRA 149	B) 2 cm l	Muck (A10) (LRR K, L, MLRA 149	9B)
	pipedon (A2)		Thin Dark Surfa	•			-	Prairie Redox (A16) (LRR K, L, F	R)
	istic (A3)		Loamy Mucky N			,		Mucky Peat or Peat (S3) (LRR K,	
	en Sulfide (A4)		Loamy Gleyed		, -/			Surface (S7) (LRR K, L)	. ,
	d Layers (A5)		Depleted Matrix					alue Below Surface (S8) (LRR K,	L)
	d Below Dark Surface (A	A11)	Redox Dark Su					Dark Surface (S9) (LRR K, L)	_,
	ark Surface (A12)	,	Depleted Dark					Manganese Masses (F12) (LRR K	(. L. R)
	Mucky Mineral (S1)		Redox Depress					nont Floodplain Soils (F19) (MLRA	
	Gleyed Matrix (S4)		1100001 2001000	10110 (1 0)				Spodic (TA6) (MLRA 144A, 145,	
	Redox (S5)							Parent Material (F21)	, ,
	Matrix (S6)							Shallow Dark Surface (TF12)	
	rface (S7) (LRR R, ML	RΔ 149R)						(Explain in Remarks)	
Dark ou	mace (or) (ERRY IX, IME	.KA 143D)						(Explain in Nomarks)	
³ Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unle	ss disturbed	or problem	atic.		
Restrictive L	_ayer (if observed):								
Type:									
Depth (in	nches):						Hydric Soil Pi	resent? Yes X No	
Damanica									
Remarks:									

Project/Site:	21028 Hoffma	n Falls Wetland Delin	eation	City/Cou	nty: Towns of Ea	ton, Fenner,	Nelson, and Smit	Sampling Date:	07/19/2023
Applicant/Owner:		Libe	erty Renewables		-	St	ate: New York	Sampling Point:	66-W016-1U
Investigator(s):		RF RN JB GH		Section,	Township, Range	: Towns of	Eaton, Fenner, Ne	lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	· / _				ave, convex, non	e):			oe (%): 5-10
Subregion (LRR or M	ILRA): LRR R M	MLRA 244, LRR L MLI	RA 172 Lat:	4	2.9402	Long:	-75.765926	5 Dati	um: WGS 1984
Soil Map Unit Name:			Alluvial land				_ NWI classification	on:	
•	•	n the site typical for thi	•		X No		, explain in Remark	,	
		, or Hydrology		•			cumstances" prese		X No
		, or Hydrology					ain any answers in	•	
SUMMARY OF F	INDINGS - A	Attach site map s	showing sam	npling p	oint locations	s, transec	cts, important	features, etc	•
Hydrophytic Vegeta	ation Present?	Yes	NoX		Is the Sample	l Area			
Hydric Soil Presen	t?	Yes	NoX		within a Wetla	nd?	Yes	No X	
Wetland Hydrology	/ Present?	Yes	NoX	_	If yes, optional	Wetland Site	e ID:		
Remarks: (Explain	alternative proce	edures here or in a se	eparate report.)	l					
(
HYDROLOGY									
Wetland Hydrolog							0		
		e required; check all th		d /	DO)		Secondary Indica	· ·	t two required)
Surface Wate	` '	_	Water-Staine	,	в9)			Cracks (B6)	
High Water Ta	` ,	_	Aquatic Faun				Drainage Pa		
Saturation (A3 Water Marks (,	_	_ Marl Deposits Hydrogen Su	` ,	(C1)		Moss Trim L	ines (B16) Water Table (C2	\
Sediment Dep	` '	_			on Living Roots ((C3)	Crayfish Bur)
Drift Deposits	, ,	-	Presence of F	•	•	(03)		isible on Aerial I	magery (CQ)
Algal Mat or C	• •	_	_		n Tilled Soils (C6	\		Stressed Plants (I	
Iron Deposits	• •	_	Thin Muck Su		•	,		Position (D2)	51)
	sible on Aerial Im	nagery (B7)	Other (Explai				Shallow Aqu	, ,	
	etated Concave				11.0)			aphic Relief (D4)	
							FAC-Neutra	. , ,	
					<u> </u>				
Field Observation			D #1 /2 1	,					
Surface Water Pre		Yes NoX	' '	· —					
Water Table Prese		Yes No X	' '	· —	l ,,	/-41		V	N- V
Saturation Present		Yes NoX	Depth (inch	es):	"	etiand Hyd	Irology Present?	Yes	NoX
(includes capillary	tringe)								
Describe Recorded	d Data (stream g	auge, monitoring well	l, aerial photos, p	revious in	spections), if avai	lable:			
	, ,				. ,				
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W016-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Malus / Apple Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 0 ___ x 3 = __ FAC species 115 x 4 = FACU species x 5 = UPL species 5 _ (A) ___ 120 Column Totals: 6. Prevalence Index = B/A = 4.04**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Plantago major / Common plantain 35 **FACU** 2 - Dominance Test is >50% Yes 2. Cirsium arvense / Canada thistle FACU 3 - Prevalence Index ≤3.0¹ 3. Phleum pratense / Common timothy, Cultivated timothy FACU 4 - Morphological Adaptations1 (Provide supporting 4. Trifolium pratense / Red clover 15 FACU Problematic Hydrophytic Vegetation¹ (Explain) No 15 No FAC<u>U</u> 5. Trifolium repens / White clover 6. Taraxacum officinale / Red seeded dandelion, Common dan 5 _ _ FACU ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 115 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W016-1U

	Matrix		Redo	x Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarl	ks	
0-6	7.5YR 3/2	100					Silt Loam				
				_							
				_							
				_							
				_							
				_							
				_							
ype: C=Con	centration, D=Depletion,	, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		² Locat	ion: PL=P	ore Lining, M	∕I=Matrix.	
ydric Soil In	ndicators:						Indicators	for Probl	ematic Hydr	ric Soils³:	
Histosol (Polyvalue Belov	w Surface (S	8) (LRR R,N	ILRA 149E) (LRR K, L		B)
	ipedon (A2)		Thin Dark Surfa					•	dox (A16) (•	•
. Black His			Loamy Mucky N			,			it or Peat (S		
	n Sulfide (A4)		Loamy Gleyed		. ,,				7) (LRR K ,		. ,
_	Layers (A5)		Depleted Matrix						Surface (S		L)
	Below Dark Surface (A1	11)	Redox Dark Su						ce (S9) (LR		,
	rk Surface (A12)	,	Depleted Dark	, ,					Masses (F1		. L. R)
	ucky Mineral (S1)		Redox Depress					-	olain Soils (F		
	leyed Matrix (S4)			(. 0)					A6) (MLRA	, -	-
	edox (S5)								erial (F21)	, ,	,
	Matrix (S6)								rk Surface (TF12)	
	face (S7) (LRR R, MLR	Δ 149R)							n Remarks)	11 12)	
Dank Guin	idoo (O7) (ERRIT, INER	un 1400)						(Explain ii	i i Komantoj		
ndicators of I	hydrophytic vegetation a	nd wetland	hydrology must be p	resent, unles	ss disturbed	or problem	atic.				
Opportunitivo I e	nyor (if abanyad).										
	ayer (if observed):										
							Hydric Soil Pr	esent?	Yes	No	Х
Type:	shas).						Tiyane oon ii				
Depth (inc	ches):										
Depth (inc	,										
Depth (inc	ches):										
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Project/Site:	21028 Hoffman Fa	alls Wetland Deli	neation	City/Cour	nty: Towns of Ea	aton, Fenner,	, Nelson, and Smit	Sampling Date:	07/19/2023
Applicant/Owner:		Lib	erty Renewables		-	St	tate: New York	Sampling Point:	66-W016-1W
Investigator(s):		JB, GH	•	Section,	Township, Range	e: Towns of	f Eaton, Fenner, Nel	son, and Smithfie	ld, Madison Count
Landform (hillslope, t	terrace, etc):	Lowland	Local re		ave, convex, non				e (%): 0-5
Subregion (LRR or M	/ILRA): LRR R MLR	A 244, LRR L M				Long:		' Datu	m: WGS 1984
Soil Map Unit Name:			Alluvial land				NWI classificatio	n:	
Are climatic / hydrolo	gic conditions on the	site typical for t	his time of year?	Yes 2	X No	(If no	<u> </u>	s.)	
•	, Soil ,	* *	· ·			"Normal Cir	rcumstances" prese	nt? Yes	X No
Are Vegetation			naturally pr				lain any answers in		
SUMMARY OF F						s. transe	cts, important 1	features, etc.	
Hydrophytic Veget		Yes X			Is the Sample		, ,	,	
Hydric Soil Presen		Yes X			within a Wetla		Yes X	No	
Wetland Hydrology		Yes X		_	If yes, optional			66-W016-1W	_
Trodana Tryanology	——————————————————————————————————————			_		TTOLIGITA OIL		00 11010 111	
Remarks: (Explain	alternative procedur	es here or in a s	separate report.)						ļ
									ļ
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one rec	guired; check all	that apply)				Secondary Indica	tors (minimum of	two required)
X Surface Wate	er (A1)		Water-Stained	d Leaves (B9)		Surface Soil	,	
X High Water Ta	able (A2)	-	Aquatic Faun	a (B13)	•		Drainage Pa	, ,	
X Saturation (A:	3)	-	Marl Deposits				Moss Trim L		
Water Marks	(B1)	-	Hydrogen Sul	lfide Odor	(C1)		Dry-Season	Water Table (C2)	
Sediment Dep	posits (B2)	-	X Oxidized Rhiz			(C3)	Crayfish Bur		
Drift Deposits	s (B3)	-	Presence of F		-	, ,	Saturation V	isible on Aerial Im	nagery (C9)
Algal Mat or 0	, ,	-	Recent Iron R	Reduction i	n Tilled Soils (C6	6)		tressed Plants (D	
Iron Deposits	, ,	-	Thin Muck Su			,	X Geomorphic		,
	sible on Aerial Image	ery (B7)	Other (Explain				Shallow Aqu		
	etated Concave Surf	- ' ' -	_ ` `		,			aphic Relief (D4)	
							X FAC-Neutral		
Field Observation									
Field Observation		V Na	Danth (in ab	\.					
Surface Water Pre		XNo	Depth (inche	<i>'</i>	0				
Water Table Prese		XNo	Depth (inche	· —		W-41		V V	NI-
Saturation Present		X No	Depth (inche	es):	<u> </u>	vetiand Hyd	drology Present?	Yes X	No
(includes capillary	tringe)								
Describe Recorded	d Data (stream gauge	e, monitoring we	ll, aerial photos, p	revious in:	spections), if ava	ilable:			
Remarks:									ļ

VEGETATION - Use scientific names of plants. Sampling Point: 66-W016-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 30 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 10 x 2 = FACW species 2 ___ x 3 = __ FAC species 0 x 4 = FACU species UPL species 10 x 5 = 52 (A) Column Totals: 6. Prevalence Index = B/A = 2.04 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Polygonum hydropiperoides / Mild water pepper 10 NI X 2 - Dominance Test is >50% Yes 2. Myosotis scorpioides / Forget me not, Water forget-me-not OBL X 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting 10 _ _ Yes OBL 3. Leersia oryzoides / Rice cutgrass Yes _ OBL Problematic Hydrophytic Vegetation¹ (Explain) 4. Veronica anagallis-aquatica / Water speedwell 10 10 Yes FACW 5. Mentha arvensis / American wild mint, Field mint 6. Rumex crispus / Curly dock FAC ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W016-1W

	iption: (Describe to th	e depth neede			or confirm	the absen	ce of indicators.	.)
Depth	Matrix			Features			_	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	95	7.5YR 4/4	5	C	PL	Silt Loam	
			-					-
			-					-
-			_					
 								
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduced	Matrix, MS=Maske	ed Sand Gra	ains.		²Locati	on: PL=Pore Lining, M=Matrix.
Hudria Cail I	-di-at						ludiostous f	for Ducklamatic Hadria Caile?
Hydric Soil I				0 ((0)				for Problematic Hydric Soils ³ :
Histosol	, ,		Polyvalue Below	•	, .		· —	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Surface			A 149B)		Prairie Redox (A16) (LRR K, L, R)
Black Hi		_	Loamy Mucky Mi		(LRR K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed M					urface (S7) (LRR K, L)
	Layers (A5)	<u>X</u>	- '					lue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	.11)	Redox Dark Surfa					ark Surface (S9) (LRR K, L)
	rk Surface (A12)	_	Depleted Dark Su					anganese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	Redox Depressio	ns (F8)				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							hallow Dark Surface (TF12)
Dark Sui	face (S7) (LRR R, ML	RA 149B)					Other ((Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland hy	drology must be pre	esent, unles	s disturbed	or problem	natic.	
Restrictive L	ayer (if observed):							
Type:	, , , , , , , , , , , , , , , , , , , ,							
Depth (in	ches):		_ _				Hydric Soil Pre	esent? Yes <u>X</u> No
Remarks:								
rtemants.								

Project/Site:	21028 Hoffman	n Falls Wetland Delin	neation	City/Cou	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	09/22/2023
Applicant/Owner:		Libe	erty Renewables	•		St	ate: New York	Sampling Point:	66-W016-2U
Investigator(s):		RN AT		Section,	Township, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smithfi	ield, Madison Count
Landform (hillslope, t	terrace, etc):	Hillslope	Local re	elief (conc	ave, convex, none	e):	convex	Slop	pe (%): 0-5
Subregion (LRR or M	/ILRA): LRR R N	ILRA 244, LRR L ML	.RA 172 Lat:	42.9	94088983	Long:	-75.765537	5 Dat	um: WGS 1984
Soil Map Unit Name:			Lyons silt loar	n			NWI classification	on:	•
Are climatic / hydrolo		the site typical for th			X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantl	y disturbe	d? Are	"Normal Cir	cumstances" prese	nt? Yes _	X No
Are Vegetation	, Soil	, or Hydrology	naturally p	roblematic	? (If ne	eded, expl	ain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - A	ttach site map s	showing sam	npling p	oint locations	, transec	cts, important	features, etc	-
Hydrophytic Veget	tation Present?	Yes	No X		Is the Sampled	Area			
Hydric Soil Presen	nt?	Yes	No X		within a Wetlar	ıd?	Yes	No X	
Wetland Hydrology	y Present?	Yes	No X		If yes, optional \	Wetland Site			
Remarks: (Explain	alternative proce	edures here or in a se	eparate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one	e required; check all t	hat apply)				Secondary Indica	ators (minimum o	of two required)
Surface Wate	er (A1)		Water-Staine	d Leaves ((B9)		Surface Soil	Cracks (B6)	
High Water Ta	able (A2)	_	Aquatic Faun	ıa (B13)			Drainage Pa	atterns (B10)	
Saturation (A	.3)	_	Marl Deposits	s (B15)			Moss Trim L	ines (B16)	
Water Marks	(B1)	_	Hydrogen Su	lfide Odor	(C1)		Dry-Season	Water Table (C2	<u>'</u>)
Sediment De	posits (B2)	_	Oxidized Rhiz	zospheres	on Living Roots (C3)	Crayfish Bur	rrows (C8)	
Drift Deposits	s (B3)	<u>_</u>	Presence of F	Reduced In	ron (C4)		Saturation V	isible on Aerial I	magery (C9)
Algal Mat or 0	Crust (B4)	_	Recent Iron F	Reduction i	in Tilled Soils (C6))	Stunted or S	Stressed Plants (D1)
Iron Deposits	(B5)	_	Thin Muck Su	urface (C7))		Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Im	agery (B7)	Other (Explai	n in Rema	rks)		Shallow Aqu	uitard (D3)	
Sparsely Veg	etated Concave S	Surface (B8)					Microtopogra	aphic Relief (D4)	1
							FAC-Neutra	l Test (D5)	
Field Observation	ns:								
Surface Water Pre		Yes No X	Depth (inch	es):					
Water Table Prese		Yes No X		<i>'</i>					
Saturation Present		Yes No X	' `	· —	w	etland Hvd	Irology Present?	Yes	No X
(includes capillary		··· <u> </u>							_ '''
(e.aaee eapa.)									
Describe Recorde	d Data (stream ga	auge, monitoring well	l, aerial photos, p	orevious in	spections), if avail	able:			
Remarks:									
rtomanto.									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W016-2U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 0 ___ x 3 = __ FAC species FACU species 90 x 4 = UPL species 20 x 5 = __ 100 110 (A) Column Totals: 6. Prevalence Index = B/A = 4.18 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Phleum pratense / Common timothy, Cultivated timothy 40 FACU 2 - Dominance Test is >50% Yes 2. Cirsium arvense / Canada thistle FACU 3 - Prevalence Index ≤3.01 NI 4 - Morphological Adaptations1 (Provide supporting 3. Mentha / Mint 4. Taraxacum officinale / Red seeded dandelion, Common dan FACU Problematic Hydrophytic Vegetation¹ (Explain) 15 Nο No FACU 5. Plantago major / Common plantain 6. Trifolium pratense / Red clover FACU ¹Indicators of hydric soil and wetland hydrology must 7. Trifolium repens / White clover be present, unless disturbed or problematic. FACU 8. _ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 110 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W016-2U

	ription: (Describe to th	ne depth nee			or confirm t	the abser	ice of indicators.)	
Depth	Matrix			x Features	- ·		- .	B
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-12	10YR 4/2	100					Slty Clay Loam	
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	w Surface (St	3) (LRR R.N	/ILRA 149		k (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)	•	Thin Dark Surfa	•			· —	airie Redox (A16) (LRR K, L, R)
	stic (A3)		Loamy Mucky N			,		cky Peat or Peat (S3) (LRR K, L, R)
	` '	;		, ,	LIXIX IX, L)			face (S7) (LRR K, L)
	en Sulfide (A4)		Loamy Gleyed					
	d Layers (A5)		Depleted Matrix					Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	A11)	Redox Dark Su					Surface (S9) (LRR K, L)
_	ark Surface (A12)	;	Depleted Dark					ganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesic Sp	odic (TA6) (MLRA 144A, 145, 149B)
Sandy R	Redox (S5)						Red Pare	nt Material (F21)
Stripped	l Matrix (S6)						Very Shal	llow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Ex	plain in Remarks)
_								
³ Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Prese	ent? Yes No X
Remarks:								
	Gravel refusal at 12 incl	hes						

Project/Site:	21028 Hoffmar	n Falls Wetland Del	lineation	City/Cour	ity: Towns of Eat	ton, Fenner,	Nelson, and Smit	Sampling Date:	09/22/2023
Applicant/Owner:		Lil	berty Renewables	•			ate: New York		
Investigator(s):		RN AT	•	Section, 7	Township, Range				eld, Madison Count
Landform (hillslope, t	terrace, etc):	Bowl-shaped depr	ession Local re	elief (conca	ive, convex, none	e):	concave	Slop	pe (%): 0-5
Subregion (LRR or M	ILRA): LRR R M	LRA 244, LRR L M	ILRA 172 Lat:	42.9	4091717	Long:	-75.765574	5 Date	um: WGS 1984
Soil Map Unit Name:	. <u> </u>		Lyons silt loar	n			NWI classification	n:	
Are climatic / hydrolo	gic conditions on	the site typical for	this time of year?	Yes >	(No_	(If no,	explain in Remarks	s.)	
Are Vegetation	, Soil	, or Hydrology	significantl	y disturbed	? Are	"Normal Cire	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	, or Hydrology _	naturally p	roblematic1	? (If no	eeded, expla	ain any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - A	ttach site map	showing sam	npling po	oint locations	s, transec	cts, important t	features, etc	•
Hydrophytic Veget	ation Present?	Yes >	X No		Is the Sampled	d Area			
Hydric Soil Presen		Yes >	X No	_	within a Wetla		Yes X	No	
Wetland Hydrology		Yes >	X No		If yes, optional	Wetland Site	e ID:	66-W016-2W PI	ΞM
Remarks: (Explain	alternative proce	dures here or in a	separate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
	~-	required; check all	I that apply)				Secondary Indica	itors (minimum o	f two required)
Surface Wate		roquirou, orroon un	Water-Staine	d Leaves (I	39)		Surface Soil		· 1110 10 quii 0 u)
High Water Ta	` '		Aquatic Faun	,	,		Drainage Pa		
Saturation (A			Marl Deposits				Moss Trim L		
Water Marks	,		Hydrogen Su	` '	(C1)			Water Table (C2	3)
Sediment Dep	` '		X Oxidized Rhiz			C3)	Crayfish Bur		,
Drift Deposits	. , ,		Presence of F			,		isible on Aerial I	magery (C9)
Algal Mat or 0	, ,				n Tilled Soils (C6)		tressed Plants (I	
Iron Deposits	. ,		Thin Muck Su		•	•		Position (D2)	,
	sible on Aerial Ima	agery (B7)	Other (Explai				Shallow Aqu		
	etated Concave S	,	` .		,			aphic Relief (D4)	i
, ,		` ,					X FAC-Neutral	. ,	
Field Observation									
Field Observation Surface Water Pre		/aa Na	V Danth (in ah	\.					
		′es No ′es No	' '	· —					
Water Table Prese			' ' '	· —		lational Uva	Irology Drocont?	Voc. V	No
Saturation Present		⁄es No	X Depth (inch	es)		elialiu nyu	rology Present?	Yes X	No
(includes capillary	iringe)								
Describe Recorded	d Data (stream ga	auge, monitoring we	ell, aerial photos, p	revious ins	spections), if avai	lable:			
	, 3	3 / 3	, , , , , ,		, ,,				
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W016-2W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 90 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 20 ___ x 3 = ___ FAC species 0 x 4 = _ FACU species 0 UPL species x 5 = 110 (A) Column Totals: 6. Prevalence Index = B/A = 1.36 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation Scirpus atrovirens / Green bulrush 50 OBL X 2 - Dominance Test is >50% Yes 2. Ranunculus acris / Acrid buttercup FAC X 3 - Prevalence Index ≤3.0¹ OBL 4 - Morphological Adaptations1 (Provide supporting 3. Myosotis scorpioides / Forget me not, Water forget-me-not 4. Juncus effusus / Common bog rush, Soft or lamp rush OBL Problematic Hydrophytic Vegetation¹ (Explain) 15 No 5. Carex lurida / Shallow sedge OBL ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 110 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W016-2W

Profile Desc Depth	ription: (Describe to t Matrix	he depth ne		ne indicator x Features	or confirm	the abser	nce of indicators	s.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarks	
0-8	10YR 3/1	98	7.5YR 4/4	2	Турс	PL	Clay Loam	-	Romans	
8-12	10YR 4/1	60	7.5YR 4/4	10		PL,M	Clay Loam			
8-12	10YR 5/3	30	7.011(1)1				Clay Loam			
0 12	10111070		-				Oldy Louin			
				_				•		
	-		-							
	-		-							
	-	·		-						
	•		-							
	•		-							
		·		_						
		·		_						
Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	uced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=F	Pore Lining, M=M	atrix.
lydric Soil I	ndicators:						Indicators	for Probl	lematic Hydric S	Soils³:
Histosol			Polyvalue Belov	v Surface (S	8) (LRR R	MLRA 149	(B) 2 cm	Muck (A10	O) (LRR K, L, ML	-RA 149B)
	pipedon (A2)		Thin Dark Surfa	•	, -		· —	,	edox (A16) (LRF	
Black Hi			Loamy Mucky N				5 cm	Mucky Pe	at or Peat (S3) (I	LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed I		. ,				67) (LRR K, L)	•
Stratified	d Layers (A5)		Depleted Matrix	(F3)			Polyv	alue Belov	w Surface (S8) (I	LRR K, L)
Depleted	d Below Dark Surface (A11)	X Redox Dark Sur	rface (F6)			Thin [Dark Surfa	ice (S9) (LRR K	, L)
Thick Da	ark Surface (A12)		Depleted Dark S	Surface (F7)			Iron-N	/langanese	e Masses (F12)	(LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedm	nont Flood	lplain Soils (F19)	(MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesic	Spodic (1	ΓA6) (MLRA 14 4	4A, 145, 149B)
Sandy R	Redox (S5)						Red F	Parent Mat	terial (F21)	
Stripped	Matrix (S6)						Very S	Shallow Da	ark Surface (TF1	2)
Dark Su	rface (S7) (LRR R, MI	LRA 149B)					Other	(Explain i	n Remarks)	
31	la						4! -			
indicators of	hydrophytic vegetation	and welland	nydrology must be p	resent, unies	ss disturbed	or problem	nauc.			
	.ayer (if observed):									
Type:									., .,	
Depth (in	ches):						Hydric Soil P	resent?	Yes X	No
Remarks:										
	Gravel refusal at 12 inc	ches								

Project/Site:	21028 Hoffman	Falls Wetland Delin	eation	City/Cou	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	09/22/2023
Applicant/Owner:		Libe	rty Renewables			Sta	ate: New York	Sampling Point:	66-W016-3U
Investigator(s):		RN AT		Section,	Township, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Flat	Local re	elief (conc	ave, convex, none	;):	none	Slop	oe (%):0
Subregion (LRR or M	/ILRA): LRR R MI	LRA 244, LRR L MLI	RA 172 Lat:	42	2.941184	Long:	-75.765551	17 Dati	um: WGS 1984
Soil Map Unit Name:			Lyons silt loan				_ NWI classification		
Are climatic / hydrolo	•		•		X No		explain in Remark		
Are Vegetation				•			cumstances" prese		X No
		, or Hydrology				-	ain any answers in	•	
SUMMARY OF F	FINDINGS - At	ttach site map s	showing sam	pling p	oint locations	, transec	cts, important	features, etc.	•
Hydrophytic Veget	ation Present?	Yes	NoX	_	Is the Sampled	Area			
Hydric Soil Presen	ıt?	Yes	NoX	_	within a Wetlar	ıd?	Yes	NoX	
Wetland Hydrology	y Present?	Yes	NoX	_	If yes, optional \	Netland Site	e ID:		
Remarks: (Explain	alternative proced	dures here or in a se	eparate report)						
(2) piani	anoanvo proces		,pa.a.o . op o,						
HYDROLOGY									
		_							_
Wetland Hydrolog	••								
		required; check all the			(DO)			ators (minimum o	two required)
Surface Wate	` '		Water-Staine	,	(B9)			l Cracks (B6)	
High Water Ta	` ,		_ Aquatic Faun					atterns (B10)	
Saturation (A:	,	_	_ Marl Deposits	` ,	(04)		Moss Trim L	, ,	\
Water Marks Sediment Dep	` '	_	_ Hydrogen Sul		on Living Roots (C3)		Water Table (C2)
	. ,	_	Presence of F	•	• (J3)	Crayfish Bu	. ,	magany (CO)
Drift Deposits Algal Mat or 0	, ,	_			in Tilled Soils (C6)			/isible on Aerial Iı Stressed Plants (I	
Iron Deposits	, ,		Thin Muck Su		, ,			Position (D2)	J1)
	sible on Aerial Ima		Other (Explain				Shallow Aqu	, ,	
	etated Concave S		_ Other (Explain	ii iii itteilia	1113)			anard (D3) aphic Relief (D4)	
oparodry vog		andos (Bo)					FAC-Neutra	. ,	
							<u>—</u>		
Field Observation									
Surface Water Pre		es No X	_ · ·	<i>'</i>					
Water Table Prese		es No X	_ · ·	<i>'</i>				.,	
Saturation Present		es No _X	Depth (inche	es):	W	etland Hyd	rology Present?	Yes	NoX
(includes capillary	fringe)								
Describe Recorded	d Data (stream ga	uge, monitoring well	. aerial photos. p	revious in	spections). if avail	able:			
	, 3	3,	, , , , , ,		, ,,				
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W016-3U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 6 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 0 ___ x 3 = __ FAC species FACU species 50 x 4 = UPL species 30 x 5 = 150 (A) Column Totals: 80 6. Prevalence Index = B/A = 4.38 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Taraxacum officinale / Red seeded dandelion, Common dan 30 **FACU** 2 - Dominance Test is >50% Yes Fragaria vesca / Wild strawberry, Wood strawberry **UPL** 3 - Prevalence Index ≤3.01 Yes FACU 4 - Morphological Adaptations1 (Provide supporting 3. Trifolium pratense / Red clover 4. Galium / Bedstraw 10 Yes NI Problematic Hydrophytic Vegetation¹ (Explain) 10 Yes_ 5. Prunella / Selfheal NI 6. Trifolium repens / White clover 10 FACU ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W016-3U

	ription: (Describe to th	he depth ne			or confirm	the abse	nce of indicators	s.)		
Depth	Matrix			x Features			- .			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc²	Texture		Remarks	
0-10	10YR 4/3	100					Slty Clay Loam			
		<u></u> _								
		· · ·								_
		·								
						,				
			-							
1Type: C=Cor	ncentration, D=Depletio	n DM-Dodu	uood Matrix MS-Mas	kod Sand Cr	oine -		21 000	tion: DI =D	ore Lining, M=Ma	triv
	·	iii, Rivi–Redu		keu Sanu Gi	airis.					
Hydric Soil Ir	ndicators:						Indicators	for Proble	ematic Hydric Sc	ils³:
Histosol	(A1)		Polyvalue Belov	w Surface (S	3) (LRR R,I	MLRA 149)B) 2 cm	Muck (A10) (LRR K, L, MLF	RA 149B)
Histic Ep	pipedon (A2)		Thin Dark Surfa	ace (S9) (LR	R R, MLRA	149B)	Coast	Prairie Re	dox (A16) (LRR	K, L, R)
Black His			Loamy Mucky N			-	5 cm	Mucky Pea	it or Peat (S3) (LI	RR K, L, R)
	n Sulfide (A4)		Loamy Gleyed	, ,	. ,				7) (LRR K, L)	· •
	Layers (A5)		Depleted Matrix					•	Surface (S8) (LI	RR K, L)
	Below Dark Surface (A	A11)	Redox Dark Su						ce (S9) (LRR K, I	
	rk Surface (A12)	,	Depleted Dark						Masses (F12) (•
	lucky Mineral (S1)		Redox Depress					-	olain Soils (F19) (
	leyed Matrix (S4)		Rodox Boproco	10110 (1 0)				-	A6) (MLRA 144	-
	edox (S5)							Parent Mate	, .	1, 140, 1400)
	Matrix (S6)	D. 4.40D)							rk Surface (TF12))
Dark Sur	face (S7) (LRR R, ML	-RA 149B)					Other	(Explain in	i Remarks)	
	face (S7) (LRR R, ML hydrophytic vegetation		l hydrology must be p	oresent, unles	s disturbed	or probler		(Explain ir	n Remarks)	
³Indicators of	hydrophytic vegetation		hydrology must be p	oresent, unles	s disturbed	or probler		(Explain ir	n Remarks)	
³Indicators of			hydrology must be p	oresent, unles	ss disturbed	or probler		(Explain ir	n Remarks)	
³Indicators of Restrictive La	hydrophytic vegetation		hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No. V
³Indicators of	hydrophytic vegetation		hydrology must be p	oresent, unles	es disturbed	or probler			Yes	No <u>X</u>
Restrictive La Type:	hydrophytic vegetation		l hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation	and wetland	l hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	l hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	l hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	l hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	l hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	ss disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	l hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	oresent, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	present, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	present, unles	es disturbed	or probler	natic.			No X
Restrictive La Type: Depth (inc	hydrophytic vegetation ayer (if observed): ches):	and wetland	I hydrology must be p	present, unles	es disturbed	or probler	natic.			No X

Project/Site:	21028 Hoffman F	alls Wetland Deline	ation	City/Coun	ty: Towns of E	aton, Fenner,	Nelson, and Smit	Sampling Date:	09/22/2023
Applicant/Owner:		Liber	ty Renewables	•			ate: New York		66-W016-3W
Investigator(s):		RN AT		Section, T	ownship, Rang	ge: Towns of	Eaton, Fenner, Nel	son, and Smithfie	ld, Madison Count
Landform (hillslope, t	terrace, etc): Bo	owl shaped depress	sion Local rel	lief (conca	ve, convex, no	ne):	concave	Slope	e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLR	A 244, LRR L MLR	A 172 Lat:	42.9	9411805	Long:	-75.765553	Datur	m: WGS 1984
Soil Map Unit Name:	·	Honeoye si	It loam, 3 to 8 pe	ercent slop	es		NWI classificatio	n:	·
Are climatic / hydrolo	gic conditions on the	e site typical for this	time of year?	Yes X	No	(If no,	explain in Remarks	s.)	
Are Vegetation						e "Normal Cire	cumstances" presei	nt? Yes	X No
Are Vegetation	, Soil	, or Hydrology	naturally pro	oblematic?	P (If	needed, expla	ain any answers in l	Remarks.)	
SUMMARY OF F	FINDINGS - Atta	ach site map s	howing sam _l	pling po	int location	ns, transec	cts, important f	eatures, etc.	
Hydrophytic Veget	ation Present?	Yes X	No	_	Is the Sampl	ed Area			
Hydric Soil Presen	ıt?	Yes X	No	_	within a Wet	land?	Yes X	No	_
Wetland Hydrology	y Present?	Yes X	No	-	If yes, optiona	al Wetland Site	e ID:	66-W016-3W PO	N
Remarks: (Explain	alternative procedu	res here or in a sep	parate report.)	1					
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
	(minimum of one re	quired: check all th	at apply)				Secondary Indica	tors (minimum of	two required)
X Surface Wate	•	,1 ,	Water-Stained	Leaves (E	39)		Surface Soil		
X High Water Ta	` '		- Aquatic Fauna	,	,		Drainage Pa		
X Saturation (A:	3)		Marl Deposits	(B15)			Moss Trim Li	ines (B16)	
Water Marks	(B1)	· <u></u>	Hydrogen Sulfi	ide Odor (C1)		Dry-Season	Water Table (C2)	
Sediment Dep	posits (B2)	_	Oxidized Rhizo	ospheres o	on Living Roots	s (C3)	Crayfish Bur	rows (C8)	
Drift Deposits	; (B3)		Presence of Re	educed Iro	on (C4)		Saturation V	isible on Aerial Im	agery (C9)
Algal Mat or 0	Crust (B4)		Recent Iron Re	eduction in	Tilled Soils (C	26)	Stunted or S	tressed Plants (D	1)
Iron Deposits	(B5)	_	Thin Muck Sur	face (C7)			Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Image	ery (B7)	Other (Explain	in Remark	ks)		Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Sur	face (B8)					Microtopogra	aphic Relief (D4)	
							X FAC-Neutral	Test (D5)	
Field Observation	ns:								
Surface Water Pre	esent? Yes	X No	Depth (inches	s):	36				
Water Table Prese	ent? Yes	X No	Depth (inches		0				
Saturation Present	t? Yes	X No	Depth (inches	s):	0	Wetland Hyd	rology Present?	Yes X	No
(includes capillary	fringe)			, <u> </u>		•			
Describe Describe	d Data (atroons marra				masticms) if a	ailahla.			
Describe Recorded	d Data (stream gaug	e, monitoring well,	aeriai priotos, pri	evious ins	pections), ii av	allable:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W016-3W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 20 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species 0 ____ x 3 = ___ FAC species x 4 = 0 FACU species 0 x 5 = UPL species 20 (A) Column Totals: 6. Prevalence Index = B/A = 1.0 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) X 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 1. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai 10 2. Typha latifolia / Broadleaf cattail, Broad-leaved cattail X 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5. 6. ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 20 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W016-3W

	ription: (Describe to th	he depth ne			or confirm	the absen	ce of indicator	rs.)
Depth (inches)	Matrix	0/		x Features	Ti m a 1	1 = =2	Taxeture	Damadra
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
				_				Water too deep, no soil obtained
	· 			_			_	
		. ——						
		. ——						
		. ——						
		. ——						
	· 							
	· - 			_				
	· 							
		. ——						
		. ——						
Type: C=Cor	ncentration, D=Depletio	n. RM=Redi	uced Matrix. MS=Mas	ked Sand Gr	ains.		²Loca	ation: PL=Pore Lining, M=Matrix.
		,	,					
ydric Soil I			Daharahaa Dalaa	0	o)	MI DA 440		s for Problematic Hydric Soils³:
Histosol	, ,		Polyvalue Belov	,			· ·	Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Surfa			A 149B)		st Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		Loamy Mucky N	` ,	(LKK K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed					Surface (S7) (LRR K, L)
	d Layers (A5)		Depleted Matrix					value Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	A11)	Redox Dark Su					Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dark					Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depress	ions (F8)				mont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							c Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							Parent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	-RA 149B)					X Othe	r (Explain in Remarks)
Restrictive L Type: Depth (in	Layer (if observed):						Hydric Soil F	Present? Yes X No
			<u> </u>					
Remarks:	Due to water depth, no	soil sample	was obtained					

Project/Site:	21028 Hoffman	Falls Wetland Deline	eation	City/Cour	nty: Towns of Eat	ton, Fenner,	Nelson, and Smit	Sampling Date:	07/19/2023
Applicant/Owner:		Liber	ty Renewables	•			ate: New York		
Investigator(s):		RN RF		Section,	Township, Range	: Towns of	Eaton, Fenner, Nel	son, and Smithfi	ield, Madison Count
Landform (hillslope, t	terrace, etc):	Hillslope	Local re	elief (conc	ave, convex, none	e):	convex	Slop	pe (%): 5-10
Subregion (LRR or M	ILRA): LRR R ML	.RA 244, LRR L MLF	RA 172 Lat:	42.	.9399775	Long:	-75.7680461	7 Date	um: WGS 1984
Soil Map Unit Name:		Lima silt	loam, 3 to 8 per	cent slope	es		NWI classification	n:	
Are climatic / hydrolo	gic conditions on the	he site typical for this	s time of year?	Yes	X No	(If no,	explain in Remarks	s.)	
Are Vegetation				•		"Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	_, or Hydrology	naturally p	roblematic	? (If n	eeded, expla	ain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Att	tach site map s	howing sam	pling p	oint locations	s, transec	cts, important t	features, etc	
Hydrophytic Veget	ation Present?	Yes	No X		Is the Sampled	d Area			
Hydric Soil Presen	ıt?	Yes	NoX		within a Wetla	nd?	Yes	NoX	
Wetland Hydrology	y Present?	Yes	NoX	_	If yes, optional	Wetland Site	e ID:		
Remarks: (Explain	alternative proced	lures here or in a sep	parate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one r	required; check all th	at apply)				Secondary Indica	tors (minimum o	f two required)
Surface Wate	r (A1)		Water-Staine	d Leaves ((B9)		Surface Soil	Cracks (B6)	
High Water Ta	able (A2)		_ Aquatic Faun	a (B13)			Drainage Pa	itterns (B10)	
Saturation (A	3)	_	_ Marl Deposits	s (B15)			Moss Trim L	ines (B16)	
Water Marks	(B1)	_	Hydrogen Su	lfide Odor	(C1)		Dry-Season	Water Table (C2	.)
Sediment De	posits (B2)	_	Oxidized Rhiz	zospheres	on Living Roots ((C3)	Crayfish Bur	rows (C8)	
Drift Deposits	` '		Presence of F		` '			isible on Aerial I	
Algal Mat or 0	, ,	<u>—</u>	_		in Tilled Soils (C6))		tressed Plants (I	D1)
Iron Deposits	• •		Thin Muck Su					Position (D2)	
	sible on Aerial Imag		Other (Explain	n in Rema	rks)		Shallow Aqu		
Sparsely Veg	etated Concave Su	urface (B8)					Microtopogra	aphic Relief (D4)	1
							I AO-Neutral	rest (D3)	
Field Observation	ns:								
Surface Water Pre	sent? Ye	es NoX	_ ' '	es):					
Water Table Prese	nt? Ye	es NoX	_ ' '	· —					
Saturation Present		es NoX	Depth (inch	es):	w	letland Hyd	rology Present?	Yes	NoX
(includes capillary	fringe)								
Describe Recorde	d Data (stream gau	uge, monitoring well,	aerial photos n	revious in	spections) if avai	lable.			
Describe recorder	a Data (Stream gad	ige, monitoring well,	acriai priotos, p	icvious in	spections), ii avai	labic.			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W017-1U **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 0 _____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species 5 ___ x 3 = __ FAC species 32 x 4 = FACU species 128 UPL species 85 x 5 = 425 122 (A) Column Totals: 6. Prevalence Index = B/A = 4.66 **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Zea mays / Corn 70 NI 2 - Dominance Test is >50% Yes 2. Parthenocissus quinquefolia / Virginia creeper FACU 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations1 (Provide supporting 3. Pastinaca sativa / Wild parsnip NI ΝI Problematic Hydrophytic Vegetation¹ (Explain) 4. Equisetum / Horsetail Nο 5. Rumex crispus / Curly dock FAC No 6. Dipsacus fullonum / Wild teasel FACU ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. _____ 8. _____ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 122 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W017-1U

	ription: (Describe to the Matrix	ne depth nee		he indicator x Features	or confirm	the abser	nce of indicators.)		
Depth (inches)	Color (moist)	%	Color (moist)	x realures %	Type ¹	Loc²	Texture	Rema	ırke
0-8		100	Color (moist)	70	туре	LOC-	Silt Loam	Rema	IIKS
0-6	7.5YR 3/3	100					Siit Loaiii		
-									
					· ·				
•									
¹Type: C=Co	ncentration, D=Depletion	n, RM=Reduc	ed Matrix, MS=Mas	ked Sand Gr	ains.		²Location:	PL=Pore Lining,	M=Matrix.
Hydric Soil	ndicators:						Indicators for	Problematic Hyd	dric Soils³:
Histosol			Polyvalue Belov	v Surface (S	8) (LRR R I	MLRA 149		k (A10) (LRR K,	
	oipedon (A2)	-	Thin Dark Surfa	,	, -		· —	airie Redox (A16)	· ·
	stic (A3)	-	Loamy Mucky N			,		, ,	63) (LRR K, L, R)
	en Sulfide (A4)	-	Loamy Gleyed		(LIXIX IX, L)			ace (S7) (LRR K	
		-							
	d Layers (A5)	_	Depleted Matrix					Below Surface (S	
	d Below Dark Surface (A	· · · · · · · · · · · · · · · · · · ·	Redox Dark Su	. ,				Surface (S9) (LI	
	ark Surface (A12)	=	Depleted Dark S						(12) (LRR K, L, R)
	Mucky Mineral (S1)	-	Redox Depress	ions (F8)					(F19) (MLRA 149B)
	Gleyed Matrix (S4)								A 144A, 145, 149B)
	Redox (S5)							nt Material (F21)	
	l Matrix (S6)							low Dark Surface	
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Ex	plain in Remarks)	
³Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	ss disturbed	or problen	natic.		
Restrictive I	.ayer (if observed):								
Type:	, , , , , , , , , , , , , , , , , , , ,								
Depth (ir	ches).						Hydric Soil Prese	ent? Yes	No X
Bopai (ii									
Remarks:									
	Rock refusal at 10 inche	es							

Project/Site:	21028 Hoffman Fall	ls Wetland Delin	eation	City/Count	y: Towns of Eato	on, Fenner,	Nelson, and Smit	Sampling Date:	07/19/2023
Applicant/Owner:		Libe	erty Renewables	-	· .		ate: New York		
Investigator(s):		RN RF	-	Section, To	ownship, Range:	Towns of	Eaton, Fenner, Nel	son, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Swale	Local re		e, convex, none				oe (%): 5-10
Subregion (LRR or M	ILRA): LRR R MLRA	244, LRR L MLI				Long:		. Dati	um: WGS 1984
	, <u></u>						NWI classificatio	n:	
	gic conditions on the					(If no,	_ explain in Remarks	s.)	
Are Vegetation	, Soil, c	or Hydrology	significantly	y disturbed?	Are "		cumstances" prese		X No
Are Vegetation			naturally pr	roblematic?	(If ne	eded, expla	ain any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Attac	h site map s	showing sam	pling po	int locations	, transec	cts, important f	features, etc	
Hydrophytic Veget		Yes X	No		Is the Sampled			•	
Hydric Soil Presen		Yes X			within a Wetlan		Yes X	No	
Wetland Hydrology		Yes X	No		If yes, optional V		-	66-W017-1W PI	=M
				_	, 500, 0p.101141.1				 -
Remarks: (Explain	alternative procedure	s here or in a se	eparate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one requ	uired; check all th	hat apply)				Secondary Indica	tors (minimum o	f two required)
Surface Wate	er (A1)		Water-Stained	d Leaves (B	9)	,	Surface Soil	Cracks (B6)	
High Water Ta	able (A2)		Aquatic Faun	a (B13)			Drainage Pa	itterns (B10)	
Saturation (A	3)	_	Marl Deposits	(B15)			Moss Trim L	ines (B16)	
Water Marks	(B1)	_	Hydrogen Sul	fide Odor (0	C1)		Dry-Season	Water Table (C2	2)
Sediment Dep	posits (B2)	×	C Oxidized Rhiz	ospheres o	n Living Roots (0	C3)	Crayfish Bur	rows (C8)	
Drift Deposits	s (B3)	_	Presence of F	Reduced Iro	n (C4)		Saturation V	isible on Aerial I	magery (C9)
Algal Mat or C	Crust (B4)	_	Recent Iron R	Reduction in	Tilled Soils (C6)		Stunted or S	tressed Plants (I	D1)
Iron Deposits	(B5)		Thin Muck Su	ırface (C7)			X Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Imagery	y (B7)	Other (Explain	n in Remark	(s)		Shallow Aqu	itard (D3)	
Sparsely Vege	etated Concave Surfa	ce (B8)					Microtopogra	aphic Relief (D4))
							X FAC-Neutral	Test (D5)	
Field Observation	ne:								
Surface Water Pre		No X	Depth (inche	-c).					
Water Table Prese	-		Depth (inche	· —					
Saturation Present	-	NoX	_ ' '	·	— We	etland Hvd	rology Present?	Yes X	No
(includes capillary	-	NOX	Depti (illeric		"	stialia riya	rology i resent:	103 <u>X</u>	
(morades capillary	milge)								
Describe Recorded	d Data (stream gauge,	, monitoring well	l, aerial photos, p	revious insp	pections), if availa	able:			
Remarks:									
rtemarks.									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W017-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 Sapling/Shrub Stratum (Plot size: 15 Feet 20 x 2 = FACW species 50 x 3 = 150 FAC species 0 x 4 = FACU species 0 UPL species x 5 = __ 70 (A) Column Totals: 6. Prevalence Index = B/A = 2.71 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 1. Hydrophyllum canadense / Blunt-leaf waterleaf 40 FAC 2. Mentha arvensis / American wild mint, Field mint FACW X 3 - Prevalence Index ≤3.0¹ FAC 4 - Morphological Adaptations1 (Provide supporting 3. Carex / Sedge 4. Cornus sericea / American dogwood 5 **FACW** Problematic Hydrophytic Vegetation¹ (Explain) No 6. ___ ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. ____ **Definitions of Vegetation Strata** 10. ______ Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 70 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W017-1W

	ription: (Describe to th	e depth ne			or confirm	the absen	ce of indicator	rs.)
Depth (inches)	Matrix	0/		x Features	Time of	12	Tourse	Demonic
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc²	Texture	Remarks
0-10	10YR 3/2	95	7.5YR 5/6	5	C	PL	Clay Loam	
							-	
							-	
							-	
								
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	s for Problematic Hydric Soils³:
Histosol			Polyvalue Belov	v Surface (S	3) (LRR R.	MLRA 149		Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Surfa	•	, .		· —	t Prairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky N			,		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed I	, ,	. , -,			Surface (S7) (LRR K, L)
	Layers (A5)		Depleted Matrix					value Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	(11)	X Redox Dark Sur					Dark Surface (S9) (LRR K, L)
	ark Surface (A12)	,	Depleted Dark S					Manganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depress					mont Floodplain Soils (F19) (MLRA 149B)
	Sleyed Matrix (S4)			,				c Spodic (TA6) (MLRA 144A, 145, 149B)
	ledox (S5)							Parent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
	rface (S7) (LRR R, ML	RA 149B)						r (Explain in Remarks)
	, , , ,	•					_	,
³ Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	or problem	natic.	
Restrictive L	ayer (if observed):							
Type:	.,. (
Depth (in	ches):						Hydric Soil P	Present? Yes X No
- ' '								
Remarks:	D - + 40	_						
	Rock refusal at 10 inche	es						

Project/Site:	21028 Hoffman	n Falls Wetland Deline	eation	City/Cou	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Liber	ty Renewables	•		Sta	ate: New York	Sampling Point:	66-W018-1U
Investigator(s):		JB		Section,	Township, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smithfi	eld, Madison Count
Landform (hillslope,	terrace, etc):	Head of slope	Local re	elief (conc	ave, convex, none	·):	convex	Slop	e (%): 3-8
Subregion (LRR or M	/ILRA): LRR R M	LRA 244, LRR L MLF	RA 172 Lat:	42.	93309787	Long:	-75.7024239	Datu	ım: WGS 1984
Soil Map Unit Name:		Appleton	loam, 3 to 8 per	rcent slop	es		_ NWI classification	on:	
Are climatic / hydrolo	gic conditions on	the site typical for this	s time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantl	y disturbe	d? Are "	Normal Circ	cumstances" prese	nt? Yes	X No
		, or Hydrology				-	ain any answers in	•	
SUMMARY OF I	FINDINGS - A	ttach site map s	howing sam	pling p	oint locations	, transec	cts, important	features, etc.	
Hydrophytic Veget	tation Present?	Yes	No X		Is the Sampled	Area			
Hydric Soil Preser	ıt?	Yes	NoX	_	within a Wetlan	ıd?	Yes	No X	
Wetland Hydrology	y Present?	Yes	NoX_	_	If yes, optional \	Vetland Site	e ID:		
	n alternative procedessional field	dures here or in a sep	parate report.)						
HYDROLOGY									
Wetland Hydrolog	av Indicatore:								
· ·		required; check all th	at apply)				Secondary Indica	ators (minimum of	two required)
Surface Water	1	required, cricck all til	Water-Staine	d Leaves	(B9)			Cracks (B6)	two required)
High Water Ta	` '		Aquatic Faun		(20)		Drainage Pa	` ,	
Saturation (A	, ,		Marl Deposits				Moss Trim L		
Water Marks	,	·	 Hydrogen Sul	` '	(C1)			Water Table (C2)
Sediment De	posits (B2)				on Living Roots (0	C3)	Crayfish Bur	•	
Drift Deposits	s (B3)		Presence of F	Reduced I	ron (C4)	,	Saturation V	isible on Aerial Ir	nagery (C9)
Algal Mat or 0	Crust (B4)		Recent Iron F	Reduction	in Tilled Soils (C6)		Stunted or S	Stressed Plants ([01)
Iron Deposits	(B5)	_	Thin Muck Su	ırface (C7)		Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Ima	agery (B7)	Other (Explai	n in Rema	ırks)		Shallow Aqu	ıitard (D3)	
Sparsely Veg	etated Concave S	Surface (B8)					Microtopogra	aphic Relief (D4)	
							FAC-Neutra	I Test (D5)	
Field Observation	ns:								
Surface Water Pre		es No X	Depth (inche	es):					
Water Table Prese		es No X	_ ' '	, 					
Saturation Present		es No X	_ · ·	′ —	W	etland Hyd	rology Present?	Yes	No X
(includes capillary			_ ' `	′	-				_
Describe Recorde	d Data (stream ga	auge, monitoring well,	aerial photos, p	revious in	spections), if avail	able:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W018-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 ___ x 2 = __ FACW species 0 ___ x 3 = __ FAC species FACU species 10 x 4 = UPL species 90 x 5 = 450 (A) 100 Column Totals: 6. Prevalence Index = B/A = 4.9 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Centaurea stoebe / Spotted knapweed 90 2 - Dominance Test is >50% 2. Phleum pratense / Common timothy, Cultivated timothy 10 3 - Prevalence Index ≤3.01 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5. 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 100 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: <u>66-W018-1U</u>

Profile Desc Depth	ription: (Describe to th Matrix	e depth ne		he indicator x Features	or confirm	the abser	ice of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remai	rks
0-6	10YR 3/2	100					Silt Loam		
			•						
				_					
_			•						
_			•						
	•						-		
¹Type: C=Co	ncentration, D=Depletion	n, RM=Redu	 iced Matrix, MS=Mas	ked Sand Gr	ains.		²Location	: PL=Pore Lining, I	M=Matrix.
Hydric Soil I	ndicators:						Indicators for	r Problematic Hyd	Iric Soile ³ :
Histosol			Polyvalue Belov	w Surface (S	8) (I DD D	MI DA 140		ck (A10) (LRR K, I	
	pipedon (A2)		Thin Dark Surfa					airie Redox (A16)	•
						(1430)			
	stic (A3)		Loamy Mucky N	. ,	(LRK N, L)			cky Peat or Peat (S	
· ·	n Sulfide (A4)		Loamy Gleyed					face (S7) (LRR K,	
	l Layers (A5)	11)	Depleted Matrix	. ,				e Below Surface (S	
	d Below Dark Surface (A	111)	Redox Dark Su					k Surface (S9) (LF	· •
	ark Surface (A12)		Depleted Dark	` ,				`	12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depress	sions (F8)			_		F19) (MLRA 149B)
	Gleyed Matrix (S4)								A 144A, 145, 149B)
	Redox (S5)							ent Material (F21)	
	Matrix (S6)							llow Dark Surface	(TF12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other (Ex	kplain in Remarks)	
³Indicators of	hydrophytic vegetation	and wetland	hvdrology must be p	resent. unles	ss disturbed	or problen	natic.		
Type:	ayer (if observed):								
Depth (in	chee):						Hydric Soil Pres	ent? Yes	No X
Deptii (iii							Hydric 30ii Fres	ent: 165	NO
Remarks:									
	Gravel refusal at 6 inche	es							

Project/Site:	21028 Hoffman Fa	alls Wetland Deli	neation	City/Cour	nty: Towns of Ea	ton, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Lib	erty Renewables	•			ate: New York		66-W018-1W
Investigator(s):		JB	,	Section.	Township, Range		Eaton, Fenner, Nels		
Landform (hillslope, t	terrace, etc):	Hillside seep	Local re		ave, convex, none				
Subregion (LRR or M	· /	•			93312787	Long:			n: WGS 1984
Soil Map Unit Name:						9	NWI classification		
Are climatic / hydrolo					X No	(If no	 , explain in Remarks	-	
•	, Soil,	,.	•				cumstances" preser	,	K No
Are Vegetation			oignilloana	•			ain any answers in F		<u> </u>
SUMMARY OF I		_				-	•		
		-					cis, important i	eatures, etc.	
Hydrophytic Veget		Yes X			Is the Sample				
Hydric Soil Presen		Yes X		_	within a Wetla		Yes X	_	_
Wetland Hydrology	y Present?	Yes X	No	_	If yes, optional	Wetland Site	e ID:	66-W018-1W PEN	Л
	alternative procedur t changes in topogra								
HYDROLOGY									
	av Indicatora:								
Wetland Hydrolog			that amply()				Casandamiliadiaad		
	(minimum of one rec	quired; check all	,	d I a a v a a /	DO)		Secondary Indicat	•	wo requirea)
Surface Water	` '	-	Water-Stained Aquatic Fauna	,	вэ)		Surface Soil	` '	
High Water Ta	,	_					Drainage Pat Moss Trim Li		
Saturation (A	•	_	Marl Deposits	. ,	(C1)			` '	
Water Marks	` ,	_	Hydrogen Sul		. ,	(C3)		Water Table (C2)	
Sediment De	, ,	_		-	on Living Roots ((03)	Crayfish Burr	isible on Aerial Ima	ngon, (CO)
Drift Deposits	• •	_	Presence of F		` ,	`			• , , ,
Algal Mat or 0	, ,	-			n Tilled Soils (C6)		tressed Plants (D1	1)
Iron Deposits	, ,		Thin Muck Su					Position (D2)	
	sible on Aerial Image		Other (Explain	n in Remai	rks)		Shallow Aqui	` ,	
Sparsely veg	etated Concave Surf	ace (B8)					X Microtopogra	. , ,	
							X FAC-Neutral	Test (D5)	
Field Observation	ns:								
Surface Water Pre	sent? Yes	No X	C Depth (inche	es):					
Water Table Prese	ent? Yes	No X	C Depth (inche	· —					
Saturation Present		No >	' '	· —	\ w	etland Hvd	Irology Present?	Yes X	No
(includes capillary			<u> </u>						
(,	9-/								
Describe Recorde	d Data (stream gaug	e, monitoring we	ll, aerial photos, p	revious ins	spections), if avai	ilable:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 66-W018-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: _____30 Feet ____) % Cover Species? Status **Total Number of Dominant** 2____(B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 55 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 30 x 2 = FACW species 15 5 ____ x 3 = ____ FAC species 0 x 4 = FACU species 0 UPL species x 5 = __ 90 (A) Column Totals: 6. Prevalence Index = B/A = 1.44 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet X 1 - Rapid Test for Hydrophytic Vegetation Carex crinita / Fringed sedge X 2 - Dominance Test is >50% 30 OBL Yes 2. Scirpus cyperinus / Woolgrass OBL X 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting 3. Carex scoparia / Pointed broom sedge **FACW** 4. Onoclea sensibilis / Sensitive fern 10 FACW Problematic Hydrophytic Vegetation¹ (Explain) Nο 10 No FACW 5. Solidago gigantea / Smooth goldenrod 6. Scirpus atrovirens / Green bulrush OBL ¹Indicators of hydric soil and wetland hydrology must 7. Euthamia graminifolia / Flat-top goldentop be present, unless disturbed or problematic. FAC 8. __ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 90 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W018-1W

	ription: (Describe to th	e depth ne			or confirm	the absen	ce of indicator	rs.)
Depth	Matrix	0/		K Features	Time a1	12	Taxeture	Domonico
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc²	Texture	Remarks
0-6	10YR 3/1	95	7.5YR 4/6	5	C	M	Clay Loam	-
	<u> </u>							
	·							
	· -							
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Red	uced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	ation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	s for Problematic Hydric Soils³:
Histosol			Polyvalue Belov	v Surface (S8	8) (I RR R	MI RA 149		Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Surfa	,	, -		· —	t Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		Loamy Mucky N			1430)		Mucky Peat or Peat (S3) (LRR K, L, R)
	, ,			. ,	LIXIX IX, L)			Surface (S7) (LRR K, L)
	en Sulfide (A4)		Loamy Gleyed I					. ,
	d Layers (A5)	.44\	Depleted Matrix					value Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	X11)	X Redox Dark Sur					Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dark S				_	Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Redox Depress	ions (F8)				mont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							c Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)						_	Parent Material (F21)
	l Matrix (S6)							Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Othe	r (Explain in Remarks)
3Indicators of	hydrophytic vegetation	and wetland	d hydrology must be p	resent unles	s disturbed	or problem	natic	
			- · · , - · · · · · · · · · · · · ·					
	ayer (if observed):							
Type:	1 \							
Depth (in	cnes):		<u> </u>				Hydric Soil P	resent? Yes X No
Remarks:						•		
	Rock refusal at 6 inches	3						

Project/Site:	21028 Hoffman Fa	alls Wetland Delineat	tion City/C	ounty: Towns of Eat	on, Fenner, Ne	elson, and Smit	Sampling Date:	11/20/2023
Applicant/Owner:		Liberty	Renewables			e: New York		
Investigator(s):		JB RS	Section	n, Township, Range:	Towns of Ea	aton, Fenner, Ne	lson, and Smithf	ield, Madison Count
Landform (hillslope, t	terrace, etc):	Toe slope	Local relief (co	ncave, convex, none	e):	convex	Slo	pe (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLR.	A 244, LRR L MLRA		42.9654955	Long:	-75.753502	2 Dat	um: WGS 1984
Soil Map Unit Name:	:	Honeoye silt l	oam, 8 to 15 percent	slopes		NWI classification	n:	-
Are climatic / hydrolo	gic conditions on the	site typical for this t	ime of year? Yes	X No	(If no, ex	xplain in Remark	s.)	
Are Vegetation	, Soil,	, or Hydrology	significantly distur	bed? Are '	"Normal Circui	mstances" prese	nt? Yes _	X No
Are Vegetation	, Soil,	, or Hydrology	naturally problema	atic? (If ne	eded, explain	any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Atta	ich site map sh	owing sampling	point locations	, transects	s, important	features, etc	Fa
Hydrophytic Veget	ation Present?	Yes	No X	Is the Sampled	Area			
Hydric Soil Presen	nt?	Yes	No X	within a Wetlar	nd?	Yes	No X	
Wetland Hydrology	y Present?	Yes	No X	If yes, optional \	Wetland Site II	· · · · · · · · · · · · · · · · · · ·		
	a alternative procedur nge in topography and							
HYDROLOGY								
Wetland Hydrolog	av Indicators:							
1	(minimum of one red	guired: check all that	apply)		5	Secondary Indica	itors (minimum c	of two required)
Surface Wate	,		Water-Stained Leave	es (B9)		•	Cracks (B6)	<u></u>
High Water Ta	` '		Aquatic Fauna (B13)	` '	_	— Drainage Pa	` '	
Saturation (A	• •		Marl Deposits (B15)		_	Moss Trim L		
Water Marks	,		Hydrogen Sulfide Oc	for (C1)	_		Water Table (C2	2)
Sediment Dep	posits (B2)	_	Oxidized Rhizospher	res on Living Roots (C3)	Crayfish Bur	•	,
Drift Deposits	. , ,	_	Presence of Reduce	d Iron (C4)	, <u>-</u>		isible on Aerial I	magery (C9)
Algal Mat or 0	, ,	_	Recent Iron Reduction	on in Tilled Soils (C6)	_		Stressed Plants (,
Iron Deposits	(B5)		Thin Muck Surface (C7)	-	Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Image	ery (B7)	Other (Explain in Re	marks)	_	Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Surf	iace (B8)			_	Microtopogra	aphic Relief (D4))
						FAC-Neutra	Test (D5)	
Field Observation	ne.							
Surface Water Pre		No X	Depth (inches):					
Water Table Prese		NoX	Depth (inches):	-				
Saturation Present			Depth (inches):	W	etland Hydro	logy Present?	Yes	No X
(includes capillary					onana riyaro	logy i roconti		
(inolades sapillary								
Describe Recorded	d Data (stream gaug	e, monitoring well, a	erial photos, previous	inspections), if avail	able:			
Remarks:								
Nemarks.								

VEGETATION - Use scientific names of plants. Sampling Point: 66-W019-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 1 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species 1. Lonicera morrowii / Morrow's honeysuckle 90 Yes FACU 0 ___ x 3 = __ FAC species FACU 2. Taraxacum officinale / Red seeded dandelion, Common dan 10 100 FACU species x 4 = 3. Symphyotrichum / Aster 5 NI x 5 = UPL species 5 (A) 105 Column Totals: 5. 6. Prevalence Index = B/A = 4.05 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 66-W019-1U

Profile Desc	ription: (Describe to th Matrix	e depth nee		he indicator x Features	or confirm	the absen	ce of indicators	s.)			
•	-	0/			Time 1	12	Taxeture		Damad		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc²	Texture		Remark	KS	
0-18	10YR 4/2	100					Clay Loam				
				_	· —— ·						
							_				
¹Type: C=Coı	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Locat	tion: PL=P	ore Lining, N	1=Matrix.	
Hydric Soil I	ndicators:						Indicators	for Probl	ematic Hydr	ric Soils³:	
Histosol	(A1)		Polyvalue Belov	w Surface (S	8) (LRR R.	MLRA 149	3) 2 cm l	Muck (A10) (LRR K, L	MLRA 149	9B)
	pipedon (A2)		Thin Dark Surfa	•			-		edox (A16) (•
	stic (A3)		Loamy Mucky N			(1400)	_		at or Peat (S		
	n Sulfide (A4)		Loamy Gleyed		(LIXIX IX, L)			-	67) (LRR K ,	, -	L, IX)
	, ,							•	, -	-	1.
	d Layers (A5)	44\	Depleted Matrix						v Surface (S8		L)
	Below Dark Surface (A	(11)	Redox Dark Su						ce (S9) (LR		
	ark Surface (A12)		Depleted Dark	, ,					Masses (F1		
	lucky Mineral (S1)		Redox Depress	ions (F8)					plain Soils (F		
	Gleyed Matrix (S4)								A6) (MLRA	144A, 145,	, 149B)
	ledox (S5)								erial (F21)		
Stripped	Matrix (S6)						Very S	Shallow Da	ark Surface (TF12)	
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other	(Explain i	n Remarks)		
3Indicators of	hydrophytic vegetation	and wetland	hydrology must be r	resent unles	ss disturbed	or problem	atic				
			, a. e. egyaet 20 p			о розин					
	.ayer (if observed):										
Type:											
Depth (in	ches):						Hydric Soil Pr	esent?	Yes	No _	X
Remarks:						<u> </u>					
ixemarks.											

Project/Site:	21028 Hoffman Fal	lls Wetland Deline	eation	City/County:	Towns of Eator	n, Fenner, N	Nelson, and Smit	Sampling Date:	11/20/2023
Applicant/Owner:		Liber	ty Renewables				te: New York		66-W019-1W
Investigator(s):		JB RS	,	Section, Towr	nship, Range:			. •	eld, Madison Count
Landform (hillslope, t	errace, etc): Boy	vl shaped depress	sion Local re	elief (concave.	convex. none):	:	concave	Slop	e (%): 0-5
	ILRA): LRR R MLRA			•	,	Long:	-75.753503		m: WGS 1984
						J	NWI classification		-
	gic conditions on the				No	(If no. e	explain in Remark		
•	, Soil, c		•				umstances" prese		X No
	, Soil, ,						n any answers in		<u> </u>
	FINDINGS - Attac				•	-	•	*	
Hydrophytic Vegeta		Yes X	No		the Sampled A		, ,	,	
Hydric Soil Presen		Yes X	No	_	thin a Wetland		Yes X	No	
Wetland Hydrology		Yes X	No				ID:X_	66-W100-1W PS	<u>-</u>
vvetiana riyarology			_ 110	_ " '	,co, optional w	retiand one		00 11100 1111	
	alternative procedure adjacent to stream the			ng periods of hi	gh water.				
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one requ	uired; check all the	at apply)				Secondary Indica	itors (minimum of	two required)
Surface Wate				d Leaves (B9)		,	Surface Soil	Cracks (B6)	
High Water Ta	able (A2)	·	Aquatic Faun	ia (B13)			X Drainage Pa	itterns (B10)	
Saturation (A3	3)		Marl Deposits	s (B15)			Moss Trim L		
Water Marks	(B1)	·	Hydrogen Su	Ifide Odor (C1)			Dry-Season	Water Table (C2))
Sediment Dep	posits (B2)		Oxidized Rhiz	zospheres on L	iving Roots (C	3)	Crayfish Bu	rows (C8)	
Drift Deposits	(B3)		Presence of I	Reduced Iron (C4)		Saturation V	isible on Aerial In	nagery (C9)
Algal Mat or C	Crust (B4)	·	Recent Iron F	Reduction in Til	led Soils (C6)			Stressed Plants (D	
Iron Deposits	(B5)		Thin Muck Su	urface (C7)			X Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Imager	y (B7)	Other (Explai	n in Remarks)			Shallow Aqu	itard (D3)	
Sparsely Vege	etated Concave Surfa	ice (B8)	-				Microtopogr	aphic Relief (D4)	
							X FAC-Neutra	Test (D5)	
Field Observation									
Surface Water Pre		No X	Depth (inch	es).					
Water Table Prese	_	No X	_ ' '	· —					
Saturation Present	-					tland Hydro	ology Present?	Voc. V	No
	_	NO	Deptil (inch	es).		uanu nyuro	blogy Present?	Yes X	_ NO
(includes capillary	iringe)								
Describe Recorded	d Data (stream gauge	, monitoring well,	aerial photos, p	orevious inspec	tions), if availa	ıble:			
Remarks:									

Absolute Dominant Indicator Number of Dominant Species Number of Dominant Number of Dominant Species Number of Dominant Species Number of Dominant Number of Dominant Species Number of Dominant Number of Dominant Number of Dominant Species Number of Dominant Number					Sampling Point: 66-W019-1W
Tree Stratum (Plot size: 30 Feet)					Dominance Test worksheet:
Absolute Dominant Indicator Species Status Status Status Total Number of Dominant Species Across All Stratas: 3 (B)					Number of Dominant Species
Absolute Dominant Indicator Status Sta					·
Total Number of Dominant Species 3			Dominant	Indicator	
Species Across All Strata: 3 (B) Species Across All Strata: 4 (B) Species Across	Tree Stratum (Plot size: 30 Feet)	% Cover	Species?	Status	Total Number of Dominant
2.	1				
Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0 (A/B)	•				Species Across Ali Strata:3 (B)
A	_				
Fig. 20	4				
Frevalence Index worksheet: Total % Cover of:	F				That Are OBL, FACW, or FAC: 100.0 (A/B)
Total & Cover of: Multiply by:	^				
Sapling/Shrub Stratum (Plot size:			-	- · · 	
Sapling/Shrub Stratum (Plot size: 15 Feet)	··		= Total Cov		
1. Salix / Willow 20 Yes FACW FAC species 0 x 3 = 0	Cardina/Church Churchura (Diet size) 4F Foot		_ = 10tal C0v	ei	<u> </u>
FACU species 0			.,	54 O.47	FACW species 35 x 2 = 70
3		_			FAC species 0 x 3 = 0
3	2	_			FACU species 0 x 4 = 0
Solution totals. Solution totals solution totals. Solution totals solution totals. Solution totals. Solution totals solution totals. Solution totals solution totals. Solution totals solution totals. Solution totals solution total solution totals solution totals solution totals solution totals solution total solution totals solution totals solution total so					UPL species 0 x 5 = 0
Prevalence Index = B/A = 1.7	4				Column Totals: 50 (A) 85 (B)
Prevalence Index = B/A = 1.7	5				
The Stratum (Plot size: 5 Feet 15 Yes OBL 2					Prevalence Index = B/A = 1.7
Herb Stratum (Plot size: 5 Feet) 15 Yes OBL X 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% X 2 - Dominance Test is >50% X 3 - Prevalence Index <3.0' 3. Carex / Sedge 5 No FACW 4 - Morphological Adaptations' (Provide supporting Problematic Hydrophytic Vegetation '(Explain) Problematic Hydrophytic Vegetation' (Explain) 1 - Horb All herbaceous (non-woody) plants, regardless of size, and woody vines greater than 3.28 ft in height.	-				111
Herb Stratum (Plot size: 5 Feet) 1. Lythrum salicaria / Purple loosestrife 15 Yes OBL X 2 - Dominance Test is >50% 2. Oncclea sensibilis / Sensitive fern 10 Yes FACW X 3 - Prevalence Index ≤3.0° 4 - Morphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 1. Compare of the present, unless disturbed or problematic.		20	= Total Cov	er	Hydrophytic Vegetation Indicators:
1. Lythrum salicaria / Purple loosestrife 15 Yes OBL 2. Onoclea sensibilis / Sensitive fern 10 Yes FACW 3. Prevalence Index ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) Problematic Hydrophytic Vegetation Strata 10.	Herb Stratum (Plot size: 5 Feet)		_		
2. Onoclea sensibilis / Sensitive ferm 3. Carex / Sedge 5 No FACW 4. 4. Morphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6.		15	Yes	OBI	
3. Carex / Sedge 5 No FACW 4 - Morphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5					
Problematic Hydrophytic Vegetation¹ (Explain) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic					
5	,	_	-		
6.			<u> </u>		Problematic Hydrophytic Vegetation (Explain)
be present, unless disturbed or problematic. Definitions of Vegetation Strata Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft in height. Hydrophytic	5	_			
8.	6				¹ Indicators of hydric soil and wetland hydrology must
9. Definitions of Vegetation Strata 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. O = Total Cover Hydrophytic	7				be present, unless disturbed or problematic.
9	8				
10. 11. 12. Woody Vine Stratum (Plot size: 30 Feet) 1. 2. 3. 4. Description: 10. 11. 12. 30 = Total Cover 30 = Total Cover Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic	۵				Definitions of Vegetation Strata
Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. O = Total Cover Hydrophytic	10				
12.	44				
Woody Vine Stratum (Plot size: 30 Feet) 1.					breast height (DBH), regardless of height.
Woody Vine Stratum (Plot size: 30 Feet) 1.		30	= Total Cov	er	
1	Woody Vine Stratum (Plot size: 30 Feet)			·.	greater than or equal to 3.28 ft (1 m) tall.
size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. O = Total Cover Hydrophytic	·				Herb - All herbaceous (non-woody) plants, regardless of
3. Woody vines - All woody vines greater than 3.28 ft in height. 0 = Total Cover Hydrophytic	· · · · · · · · · · · · · · · · · · ·		- ·		size, and woody plants less than 3.28 ft tall.
4		-	- -	<u> </u>	Woody vines - All woody vines greater than 3 28 ft in
4					
	4	_			ŭ
		0	_ = Total Cov	er	Hydrophytic
**Ogotation					
Present? Yes X No					
Present? Yes X No					riesent: 165 X NO

SOIL Sampling Point: 66-W019-1W

Profile Desci Depth	ription: (Describe to the Matrix	ne depth need		ne indicator Features	or confirm	the abser	nce of indicators	s.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/2	95	7.5YR 4/4	5	C	M	Clay Loam	Homano
	101111/1/2		7.011(1/1				Oldy Louin	
								<u> </u>
								<u> </u>
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduce	d Matrix, MS=Mask	ked Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils³:
Histosol			Polyvalue Below	Surface (S	3) (LRR R ,	MLRA 149	B) 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	Thin Dark Surfa					Prairie Redox (A16) (LRR K, L, R)
Black Hi		_	– Loamy Mucky M	. , .		,		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N	, ,	(=::::, =)			Surface (S7) (LRR K, L)
	Layers (A5)	X	_					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A		Redox Dark Sur					Park Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark S	. ,				langanese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	Redox Depressi					ont Floodplain Soils (F19) (MLRA 149B)
		_	_ Redox Depressi	ons (Fo)				
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)	D.4.440D\						Shallow Dark Surface (TF12)
Dark Sui	face (S7) (LRR R, ML	.RA 149B)					Other	(Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland hy	drology must be p	resent, unles	s disturbed	or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):		_				Hydric Soil Pr	esent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman Fa	alls Wetland Delinea	ition City/0	County: Towns of Eat	on, Fenner, Ne	elson, and Smit	Sampling Date:	11/20/2023
Applicant/Owner:		Liberty	Renewables	· -			Sampling Point:	66-W020-1U
Investigator(s):		JB RS	Section	on, Township, Range:	Towns of Ea	aton, Fenner, Ne	lson, and Smithfie	ld, Madison County
Landform (hillslope, t	terrace, etc):	Hillsope	Local relief (co	oncave, convex, none	e):	convex	Slope	e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLR	A 244, LRR L MLRA		42.96506057	Long:	-75.7538379	Datu	m: WGS 1984
Soil Map Unit Name:		Honeoye silt	loam, 8 to 15 percen	t slopes		NWI classification	on:	
Are climatic / hydrolo	gic conditions on the	site typical for this	time of year? Yes	X No	(If no, ex	plain in Remark	s.)	
Are Vegetation	, Soil,	, or Hydrology	significantly distu	rbed? Are '	"Normal Circur	mstances" prese	nt? Yes	X No
Are Vegetation	, Soil,	, or Hydrology	naturally problem	atic? (If ne	eded, explain	any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Atta	ch site map sh	owing sampling	point locations	, transects	, important	features, etc.	
Hydrophytic Veget	ation Present?	Yes	No X	Is the Sampled	Area			
Hydric Soil Presen	nt?	Yes	No X	within a Wetlar	nd?	Yes	NoX	
Wetland Hydrology	y Present?	Yes	No X	If yes, optional \	Wetland Site ID			
	alternative procedur ope above wetland ,							
HYDROLOGY								
Wetland Hydrolog	gy Indicators:							
1	(minimum of one red	guired: check all that	t apply)		S	Secondary Indica	ators (minimum of	two required)
Surface Wate	,	1	Water-Stained Leav	es (B9)	<u>-</u>		Cracks (B6)	
High Water Ta	` '	_	Aquatic Fauna (B13	` '	_	— Drainage Pa	, ,	
Saturation (A	` '	_	Marl Deposits (B15)	,	_	Moss Trim L		
Water Marks	(B1)		Hydrogen Sulfide O	dor (C1)	_	Dry-Season	Water Table (C2)	
Sediment Dep	posits (B2)	_	Oxidized Rhizosphe	res on Living Roots (C3)	Crayfish Bur	rows (C8)	
Drift Deposits	s (B3)	_	Presence of Reduce	ed Iron (C4)	_	Saturation V	isible on Aerial Im	nagery (C9)
Algal Mat or 0	Crust (B4)	<u> </u>	Recent Iron Reducti	on in Tilled Soils (C6)	_	Stunted or S	Stressed Plants (D	_' 1)
Iron Deposits	(B5)	<u> </u>	Thin Muck Surface	(C7)		Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Image	ery (B7)	Other (Explain in Re	emarks)	_	Shallow Aqu	ıitard (D3)	
Sparsely Veg	etated Concave Surf	ace (B8)			_	Microtopogra	aphic Relief (D4)	
					_	FAC-Neutra	l Test (D5)	
Field Observation	ns:							
Surface Water Pre	esent? Yes	No X	Depth (inches):					
Water Table Prese	ent? Yes	No X						
Saturation Present	t? Yes	No X	Depth (inches):	W	etland Hydrol	logy Present?	Yes	No X
(includes capillary	fringe)		· · · / <u>-</u>		•			· ——
December December	d Data (atrooms marrie		anial mhatas musicisis	- in-n-stiene) if suci	lahla.			
Describe Recorded	d Data (stream gaug	e, monitoring well, a	eriai photos, previou	s inspections), if avail	able:			
Remarks:								

Dominant Species? = Total Cove Yes Yes Yes Yes	FACU	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant 3 (B) Percent of Dominant Species 3 (B) Percent of Dominant Species 33.3 (A/B) Prevalence Index worksheet: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	Status FACU FACU	That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant 3 (B) Percent of Dominant Species 3 (B) Prevalence Index worksheet: 33.3 (A/B) Prevalence Index worksheet: Multiply by: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	Status FACU FACU	Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B Prevalence Index worksheet:
= Total Cove Yes = Total Cove Yes	FACU	Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	FACU	Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	FACU	That Are OBL, FACW, or FAC: 33.3 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	FACU	That Are OBL, FACW, or FAC: 33.3 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	FACU	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 Prevalence Index = B/A = 3.83
= Total Cove Yes = Total Cove Yes	FACU	Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E
= Total Cove Yes = Total Cove Yes	FACU FACU	Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E
Yes = Total Cove	FACU	OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E
= Total Cove	er	FACW species 0 x 2 = 0 FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E
= Total Cove	er	FAC species 10 x 3 = 30 FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove	er	FACU species 50 x 4 = 200 UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E
= Total Cove	er	UPL species 0 x 5 = 0 Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove	er	Column Totals: 60 (A) 230 (E Prevalence Index = B/A = 3.83
= Total Cove	er	Prevalence Index = B/A = 3.83
= Total Cove	er	
= Total Cove	 er	
Yes		Hydrophytic Vegetation Indicators:
Yes		riyaropnyno rogotation maioatoro.
		1 - Rapid Test for Hydrophytic Vegetation
	FACU	2 - Dominance Test is >50%
168	FAC	3 - Prevalence Index ≤3.0¹
	FAC	
		4 - Morphological Adaptations¹ (Provide supporting
		Problematic Hydrophytic Vegetation¹ (Explain)
-		¹Indicators of hydric soil and wetland hydrology must
		be present, unless disturbed or problematic.
		Definitions of Vegetation Strate
		Definitions of Vegetation Strata
-		To a Manda de alordo O in 17 O and an arrangin discussion of
		Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
= Total Cove	er	Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
		Herb - All herbaceous (non-woody) plants, regardless of
		size, and woody plants less than 3.28 ft tall.
		Woody vines - All woody vines greater than 3.28 ft in
		height.
= Total Cove	er	
		Hydrophytic
		Vegetation
		Present? Yes No X
	= Total Cove	= Total Cover

SOIL Sampling Point: 66-W020-1U

Depith Matrix
O-18 10YR 4/2 100 Clay Loam "Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. "Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histoso (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedro (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) 5 cm Muck (A10) (LRR K, L, MLRA 149B) 5 cm Muck (A10) (LRR K, L, R) 1 coast Prairie Redox (A16) (LRR K, L, R) 1 coast Pra
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ## Indicators: Histicsol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
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Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Hydric Soil Indicators: Histosol (A1)
Histosol (A1)
Histosol (A1)
Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Chark K, L, R) Hydrogen Sulfide (A4) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S7) (LRR K, L) Thin Dar
Black Histic (A3)
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (S7) (LRR K, L) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Beleted Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Stratified Layers (A5)
Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Thick Dark Surface (A12)
Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _X
Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _X
3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX
Type:
Depth (inches): Hydric Soil Present? Yes No X
Remarks:

Project/Site:	21028 Hoffman Fal	lls Wetland Del	ineation	City/Count	ty: Towns of Eato	n, Fenner, I	Nelson, and Smit	Sampling Date:	11/20/2023
Applicant/Owner:		Lik	erty Renewables	•	-	Sta	te: New York	Sampling Point:	66-W020-1W
Investigator(s):		JB RS		Section, To	ownship, Range:	Towns of E	Eaton, Fenner, Ne	lson, and Smithfie	eld, Madison Count
Landform (hillslope, to	terrace, etc):	Hillside seep	Local re		ve, convex, none)				e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLRA	244, LRR L M			6506533	Long:	-75.7538373	33 Datu	m: WGS 1984
	,				oes		NWI classification	on:	
	gic conditions on the					(If no,	explain in Remark	s.)	
Are Vegetation	, Soil, o	or Hydrology	significantly	y disturbed?	? Are "N	Normal Circ	umstances" prese	nt? Yes	X No
Are Vegetation			naturally pr	roblematic?	(If nee	eded, expla	in any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Attac	_				transec	ts, important	features, etc.	
Hydrophytic Vegeta		Yes X			Is the Sampled		· ·	•	
Hydric Soil Present			No No	_	within a Wetland		Yes X	No	
Wetland Hydrology		Yes X			If yes, optional W			66-W101-1W PS	_
Trottana Tryarology					you, optional to	Totiana Oito		00 11101 1111 0	
	alternative procedure ession on side of slop			od.					
LIVEROLOGY									
HYDROLOGY									
Wetland Hydrolog									
	(minimum of one requ	uired; check all	,				Secondary Indica		two required)
Surface Water	()		Water-Stained	,	39)			Cracks (B6)	
X High Water Ta	` '		Aquatic Faun					atterns (B10)	
X Saturation (A3	•		Marl Deposits	. ,	04)		Moss Trim L	` '	
Water Marks (` '		Hydrogen Sul		•	·2)		Water Table (C2)	
Sediment Dep		-		-	on Living Roots (C	,3)	Crayfish Bu	rows (Co) /isible on Aerial In	2000n/ (CO)
Drift Deposits Algal Mat or C	` '	-	Presence of F		Tilled Soils (C6)			risible on Aerial in Stressed Plants (D	. ,
Iron Deposits	• •	=	Thin Muck Su		Tilled Solls (Co)		X Geomorphic	•	, , ,
	ເມວງ sible on Aerial Imager	ry (B7)	Other (Explain		(e)		Shallow Aqu		
_	etated Concave Surfa	- ' '	Other (Explain	TillTCillain	(3)			aphic Relief (D4)	
operacity vege	stated Compave Curia	100 (00)					X FAC-Neutra	. , ,	
							_		
Field Observation			V D " " 1	,					
Surface Water Pres	-		X Depth (inche	· —					
Water Table Present	-	XNo	Depth (inche	· —	6 6 We	المسط البيطا	alamı Drasamt?	Van	Nie
Saturation Present	-	X No	Depth (inche	es):	o we	tiano Hyor	ology Present?	Yes	No
/includes sopillary	frings)								
(includes capillary	fringe)								
	fringe) d Data (stream gauge	, monitoring we	 ₃ll, aerial photos, p	revious insp	pections), if availa	able:			
, , , ,		nonitoring we	∍ll, aerial photos, p	revious insp	pections), if availa	able:			
Describe Recorded		, monitoring we	ell, aerial photos, p	revious insp	pections), if availa	able:			
		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins _i	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins _l	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins _i	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins _i	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins _i	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious insp	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious insp	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			
Describe Recorded		e, monitoring we	ell, aerial photos, p	revious ins	pections), if availa	able:			

VEGETATION - Use scientific names of plants.				Sampling Point: 66-W020-1W
				Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 2 (A)
	Absolute	Dominant	Indicator	That Ale OBL, FACW, OF FAC (A)
Tree Stratum (Plot size: 30 Feet)	% Cover	Species?	Status	
1.		- - '		Total Number of Dominant
		_	 	Species Across All Strata: 2 (B)
2.		_	 	
3.		_	 	Percent of Dominant Species
4				That Are OBL, FACW, or FAC: 100.0 (A/B)
5				That Ale OBE, I AOW, OI I AO. [A/B]
6				Prevalence Index worksheet:
7.				
	0	= Total Cov	er	
Sapling/Shrub Stratum (Plot size: 15 Feet)		_ ''ota' oo'	0.	OBL species 0 x 1 = 0
	05		E4 0)4/	FACW species 120 x 2 = 240
1. Salix / Willow	25	Yes	FACW	FAC species15 x 3 =45
2				FACU species 0 x 4 = 0
3				UPL species 0 x 5 = 0
4.				Column Totals: 135 (A) 285 (B)
5.				Coldifiir Totals. 133 (A) 203 (B)
		-		Prevalence Index = B/A = 2.11
7		_	 	
	25	_ = Total Cov	er	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5 Feet)				X 1 - Rapid Test for Hydrophytic Vegetation
Cornus sericea / American dogwood	95	Yes	FACW	X 2 - Dominance Test is >50%
Solidago rugosa / Wrinkle-leaf goldenrod	15	No	FAC	X 3 - Prevalence Index ≤3.0¹
2				4 - Morphological Adaptations¹ (Provide supporting
,				
4				Problematic Hydrophytic Vegetation¹ (Explain)
5				
6				¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8.				
0				Definitions of Vegetation Strata
10				
			 	Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
11				breast height (DBH), regardless of height.
12				
	110	_ = Total Cov	er	Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30 Feet)				greater than or equal to 3.28 ft (1 m) tall.
1.				Herb - All herbaceous (non-woody) plants, regardless of
2.				size, and woody plants less than 3.28 ft tall.
				Woody vines - All woody vines greater than 3.28 ft in
3				height.
4				
	0	_ = Total Cov	er	Hydrophytic
				Vegetation
				Present? Yes X No
Remarks: (Explain alternative procedures here or in a separa	ate report.)			

SOIL Sampling Point: 66-W020-1W

Profile Desci Depth	iption: (Describe to the Matrix	ne depth need		e indicator Features	or confirm	the abser	nce of indicators	s.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/2	95	10YR 4/4	5	C	M	Clay Loam	Remains
	10111 4/2		10111 4/4			IVI	Clay Loain	
								
								
¹Type: C=Cor	centration, D=Depletio	n, RM=Reduce	ed Matrix, MS=Mask	red Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils³:
Histosol	(A1)		Polyvalue Below	/ Surface (S8	B) (LRR R,	MLRA 149	B) 2 cm M	Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Thin Dark Surfac					Prairie Redox (A16) (LRR K, L, R)
Black Hi		_	 Loamy Mucky M	, , .		,		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N	. ,	, ,			Surface (S7) (LRR K, L)
	Layers (A5)	_	Depleted Matrix					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A		Redox Dark Sur					Park Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark S					anganese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	Redox Depressi					ont Floodplain Soils (F19) (MLRA 149B)
		_	_ Redux Deplessi	ons (Fo)				
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)	D. 4.40D)						Shallow Dark Surface (TF12)
Dark Sui	face (S7) (LRR R, ML	.KA 149B)					Other	(Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland h	ydrology must be pr	resent, unles	s disturbed	or problen	natic.	
Restrictive L	ayer (if observed):							
Type:			<u></u>					
Depth (in	ches):						Hydric Soil Pr	esent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman	n Falls Wetland Delir	neation	City/Cou	nty: Towns of Eat	on, Fenner,	Nelson, and Smit	Sampling Date:	06/01/2023
Applicant/Owner:		Libe	erty Renewables	•			ate: New York		
Investigator(s):		RS GH		Section,	Township, Range:	Towns of	Eaton, Fenner, Ne	lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Flat	Local re	elief (conc	ave, convex, none	e):	none	Slop	pe (%): 0
Subregion (LRR or M	ILRA): LRR R N	ILRA 244, LRR L ML	RA 172 Lat:	42.	94574533	Long:	-75.753396	17 Datu	um: WGS 1984
Soil Map Unit Name:		Appleto	n loam, 3 to 8 pe	rcent slope	es		NWI classification	on:	
Are climatic / hydrolo	gic conditions on	the site typical for th	nis time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation				•		'Normal Cir	cumstances" prese	ent? Yes	X No
		, or Hydrology				· ·	ain any answers in	•	
SUMMARY OF I	FINDINGS - A	ttach site map	showing sam	npling p	oint locations	, transec	cts, important	features, etc.	
Hydrophytic Veget	ation Present?	Yes	No X		Is the Sampled	Area			
Hydric Soil Presen	ıt?	Yes	NoX		within a Wetlan	nd?	Yes	NoX	<u></u>
Wetland Hydrology	y Present?	Yes	NoX	_	If yes, optional \	Netland Site	e ID:		
Remarks: (Explain	alternative proce	edures here or in a se	eparate report.)						
(,								
HYDROLOGY									
Wetland Hydrolog			(، باسم م				Coordon, India	-t (i-i	f true meanined)
Surface Wate		e required; check all t	Water-Staine	d L cover	(PO)			ators (minimum o l Cracks (B6)	(wo required)
High Water Ta	` '	_	Aquatic Faun		(69)			atterns (B10)	
Saturation (A	` ,	_	Marl Deposits				Moss Trim I		
Water Marks	,	_	Hydrogen Su	` ,	(C1)			Water Table (C2)
Sediment De	` '	_			on Living Roots (23)	Crayfish Bu		,
Drift Deposits	. ,	_	Presence of F	•	• ,	50)		/isible on Aerial Ir	magery (C9)
Algal Mat or 0	, ,	_			in Tilled Soils (C6)			Stressed Plants ([
Iron Deposits	, ,	=	Thin Muck Su		, ,			Position (D2)	,
	sible on Aerial Im	nagery (B7)	— Other (Explai				Shallow Aqu	, ,	
	etated Concave S		_ ` ` '		,			aphic Relief (D4)	
							FAC-Neutra	l Test (D5)	
Field Observation									
Field Observation Surface Water Pre		Yes No X	Depth (inch	00).					
Water Table Prese		Yes No X		<i>'</i>					
Saturation Present		Yes No X	' ' '	· —		etland Hyd	rology Present?	Yes	No X
(includes capillary		163 NOX	Deptii (ilicii	<u> </u>		etianu riyu	rology Fresent:	163	_ 110
(Includes capillary	milige)								
Describe Recorde	d Data (stream ga	auge, monitoring wel	l, aerial photos, p	revious in	spections), if avail	able:			
Domorko									
Remarks:									
1									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W001-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Populus tremuloides / Quaking aspen FACU Species Across All Strata: 6 (B) 2. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 25 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 ___ x 2 = __ FACW species 1. Elaeagnus umbellata / Autumn olive 15 NI Yes 0 _ x 3 = FAC species 2. Populus tremuloides / Quaking aspen 10 Yes FACU FACU species 80 x 4 = 3. Salix / Willow 10 NI x 5 = _ UPL species 95 475 4. Lonicera morrowii / Morrow's honeysuckle FACU (A) ___ Column Totals: 175 5. 6. Prevalence Index = B/A = 4.54**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 1 - Rapid Test for Hydrophytic Vegetation 5 Feet 1. Poa / Bluegrass 60 NI 2 - Dominance Test is >50% Yes 2. Trifolium pratense / Red clover FACU 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations1 (Provide supporting 3. Fragaria / Strawberry 10 NI 4. Plantago lanceolata / Ribwort, English plantain 5 FACU Problematic Hydrophytic Vegetation¹ (Explain) No FACU 5. Taraxacum officinale / Red seeded dandelion, Common dan ¹Indicators of hydric soil and wetland hydrology must 7. __ be present, unless disturbed or problematic. 8 **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 110 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W001-1U

Profile Description Depth	ription: (Describe to the Matrix	ne depth need		e indicator Features	or confirm	the abser	nce of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/3	85	10YR 6/6	15	C	M	Silt Loam	Remarks
0-10	1011(4/3		10111 0/0	10		141	Olit Loam	
								
								
								
							-	
47								
Type: C=Cor	centration, D=Depletio	n, RM=Reduce	ed Matrix, MS=Mask	ed Sand Gra	ains.		-Locati	on: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators 1	for Problematic Hydric Soils³:
Histosol	(A1)		Polyvalue Below	/ Surface (S8	3) (LRR R ,	MLRA 149	B) 2 cm M	luck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)	_	Thin Dark Surfac	ce (S9) (LR	R R, MLRA	A 149B)	Coast I	Prairie Redox (A16) (LRR K, L, R)
Black His		_	Loamy Mucky M					lucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N	//atrix (F2)				urface (S7) (LRR K, L)
	Layers (A5)	_	Depleted Matrix					lue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	\11) -	Redox Dark Sur					ark Surface (S9) (LRR K, L)
	rk Surface (A12)	, _	 Depleted Dark S 					anganese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	Redox Depressi	. ,				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	_	_ '	(- /				Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							hallow Dark Surface (TF12)
	face (S7) (LRR R, ML	RA 149B)						Explain in Remarks)
	(2.) (2	,						
³ Indicators of	hydrophytic vegetation	and wetland h	ydrology must be pr	resent, unles	s disturbed	or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):		<u> </u>				Hydric Soil Pre	esent? Yes No _X
Remarks:								

Project/Site:	21028 Hoffman Fall	s Wetland Delineation	on City/Cou	inty: Towns of Eato	n, Fenner, Nel	son, and Smit	Sampling D	ate:	06/01/2023
Applicant/Owner:		Liberty F	Renewables			New York			93-W001-1W
Investigator(s):		RS GH		Township, Range:					Madison Count
- ''	errace, etc):	Toeslope	Local relief (cond					Slope (%	
, ,	ILRA): LRR R MLRA	· ·		94580883	Long:	-75.753437		. ,	WGS 1984
			_	es		IWI classification			
	gic conditions on the s				(If no, exp	lain in Remark	s.)		
•	, Soil, o		· —		` .	stances" prese	,	. X	No
Are Vegetation			, naturally problemation			any answers in			
	INDINGS - Attac				•	•	,	etc.	
		•		1	•				
Hydrophytic Vegeta Hydric Soil Present		Yes X Yes X	No	Is the Sampled a within a Wetland		Voc. V	No		
Wetland Hydrology			No			Yes <u>X</u>	No		
vveiland Hydrology	/ Fresent!	Yes X	No	If yes, optional W	reliand Site ID	·			
Remarks: (Explain	alternative procedures	s here or in a separa	ate report.)						
HYDROLOGY									
Wetland Hydrolog	y Indicators:								
	(minimum of one requ	ired: check all that a	upply)		9,	econdary Indica	toro (minimu	m of two	roquirod)
Surface Water	•		Vater-Stained Leaves	(P0)		Surface Soil			required)
High Water Ta	` '		quatic Fauna (B13)	(69)		_ Surface Soil Drainage Pa	, ,		
Saturation (A3		·	Marl Deposits (B15)		_^	Moss Trim L			
Water Marks (•		lydrogen Sulfide Odor	· (C1)	_	_ Moss min L Dry-Season	, ,	(C2)	
Sediment Dep	• ,		oxidized Rhizospheres		<u> </u>	Crayfish Bur		(02)	
Drift Deposits	, ,		Presence of Reduced I	-		Saturation V		ial Imag	on. (C0)
	• •			` ,	_	_			ery (C9)
Algal Mat or C	, ,		Recent Iron Reduction Thin Muck Surface (C7	, ,	_	Stunted or S Geomorphic		` '	
						Geomorphic	Position (D2	')	
Iron Deposits								-,	
Inundation Vis	sible on Aerial Imagery	(B7) C	Other (Explain in Rema		_	Shallow Aqu	itard (D3)		
Inundation Vis		(B7) C				Shallow Aqu Microtopogra	itard (D3) aphic Relief		
Inundation Vis	sible on Aerial Imagery	(B7) C			×	Shallow Aqu	itard (D3) aphic Relief		
Inundation Vis	sible on Aerial Imagery etated Concave Surfac	(B7) C			<u></u>	Shallow Aqu Microtopogra	itard (D3) aphic Relief		
Inundation Vis	sible on Aerial Imagery etated Concave Surfac	(B7) C			<u>x</u>	Shallow Aqu Microtopogra	itard (D3) aphic Relief		
Inundation Vis Sparsely Vege Field Observation	sible on Aerial Imagery etated Concave Surface ns: sent? Yes	(B7) C	Other (Explain in Rema			Shallow Aqu Microtopogra	itard (D3) aphic Relief		
Inundation Vis Sparsely Vege Field Observation Surface Water Pres	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _	(B7) Coe (B8) No X No X	Other (Explain in Rema	arks)	X	Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief	(D4)	No
Inundation Vis Sparsely Vege Field Observation Surface Water Pres Water Table Prese	sible on Aerial Imagery etated Concave Surface ns: sent? Yes nt? Yes ? Yes	(B7) Coe (B8) No X No X	Depth (inches):	arks)	_	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Present Vater Table Present (includes capillary for the control of the control	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Present Vater Table Present (includes capillary for the control of the control	sible on Aerial Imagery etated Concave Surface ns: sent? Yes nt? Yes ? Yes	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Present Vater Table Present (includes capillary for the control of the control	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Present Vater Table Present (includes capillary for the control of the control	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No
Field Observation Surface Water Pres Water Table Present (includes capillary) Describe Recorded	sible on Aerial Imagery etated Concave Surface ss: sent? Yes _ nt? Yes _ ? Yes _ fringe)	No X No X No X	Depth (inches): Depth (inches): Depth (inches):	we	tland Hydrolo	Shallow Aqu Microtopogra FAC-Neutral	aphic Relief (D3) Test (D5)	(D4)	No

VEGETATION - Use scientific names of plants. Sampling Point: 93-W001-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 4 (A) Absolute Dominant Indicator Tree Stratum (Plot size: _____30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 4 ____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 15 x 1 = ____ Sapling/Shrub Stratum (Plot size: 80 ___ x 2 = __ FACW species 1. Cornus sericea / American dogwood **FACW** Yes 40 x 3 = FAC species 120 2. Lonicera morrowii / Morrow's honeysuckle 10 FACU 15 FACU species x 4 = 3. Salix / Willow 10 NI x 5 = UPL species 20 100 4. Populus tremuloides / Quaking aspen FACU (A) Column Totals: 170 5. 6. Prevalence Index = B/A = 2.68 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Equisetum hyemale / Scouringrush horsetail 35 FAC X 2 - Dominance Test is >50% Yes 2. Cornus sericea / American dogwood **FACW** X 3 - Prevalence Index ≤3.0¹ 3. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai 15 _ _ Yes OBL 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 4. Symphyotrichum / Aster 10 No NI 5. Equisetum arvense / Common horsetail FAC ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W001-1W

Depth	Matrix		eeded to document the Redox	x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-12	10YR 2/1	95	7.5YR 5/8	5	С	PL	Silt Loam	
12-18	10YR 4/1	95	10YR 5/8	5	C	М	Slty Clay Loam	
			_					
		-	-	-				
			_	-			-	
		-					-	
		·						
		. ———	-	<u> </u>				
			-	-				
			-	-				
							·	
Type: C=Cor	ncentration. D=Depletio	n. RM=Red	duced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=Pore Lining, M=Matrix.
			,					
ydric Soil I								for Problematic Hydric Soils ³ :
Histosol	` '		Polyvalue Belov					Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Surfa			149B)		Prairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky N		(LRR K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Gleyed I	Matrix (F2)				Surface (S7) (LRR K, L)
	l Layers (A5)		Depleted Matrix					alue Below Surface (S8) (LRR K, L)
Depleted	d Below Dark Surface (A	A11)	X Redox Dark Sur	face (F6)			Thin [Dark Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dark S	Surface (F7)			Iron-M	Manganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedm	nont Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)						Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	ledox (S5)						Red F	Parent Material (F21)
Stripped	Matrix (S6)						Very S	Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other	(Explain in Remarks)
			nd hydrology muet he n	resent, unle	ss disturbed	or proble	natic.	
Indicators of	hydrophytic vegetation	and wetlar	nd flydrology flidst be p					
	hydrophytic vegetation ayer (if observed):	and wetlar	na nyarology mast be p					
		and wetlar						
Restrictive L	ayer (if observed):	and wetlar	na nyarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	na nyarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L	ayer (if observed):	and wettar	na myarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	na myarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	na myarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	na myarology mast be p				Hydric Soil Pi	resent? Yes <u>X</u> No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	na myarology mast be p				Hydric Soil Pi	resent? Yes <u>X</u> No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes <u>X</u> No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes <u>X</u> No
Restrictive L Type: Depth (in	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ila injuriology must be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (in	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
estrictive L Type: Depth (in	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
estrictive L Type: Depth (in	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
estrictive L Type: Depth (in	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
estrictive L Type: Depth (in	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
estrictive L Type: Depth (in	ayer (if observed):	and wettar	ia individuology indicatibe p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia ilyalology iliasi be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia ilyalology iliasi be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia nyarology mast be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia ilyalology iliasi be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (inc	ayer (if observed):	and wettar	ia ilyalology iliasi be p				Hydric Soil Pi	resent? Yes X No
Restrictive L Type: Depth (in	ayer (if observed):	and wettar	ia ilyalology iliasi be p				Hydric Soil Pi	resent? Yes X No
estrictive L Type: Depth (in	ayer (if observed):	and wettar	ia ilyalology iliasi be p				Hydric Soil Pi	resent? Yes X No

Project/Site:	21028 Hoffmar	n Falls Wetland Deline	eation C	City/County: Towns o	f Eaton, Fenner	, Nelson, and Smit	Sampling Date:	06/02/2023
Applicant/Owner:			rty Renewables	, , <u> </u>	•	tate: New York		93-W001-2U
Investigator(s):		RF RS	S	Section, Township, Ra	ange: Towns of	f Eaton, Fenner, Nel	lson, and Smithfie	ld, Madison Count
Landform (hillslope, t	terrace, etc):	Mound	Local relie	ef (concave, convex,	none):	convex	Slope	e (%): 5-10
Subregion (LRR or M	ILRA): LRR R M	LRA 244, LRR L MLI	RA 172 Lat:	42.94705917	Long:	-75.7544951	17 Datur	m: WGS 1984
Soil Map Unit Name:	W	ayland soils complex	k, 0 to 3 percent slo	opes, frequently flood	ed	NWI classification	n:	
Are climatic / hydrolo	gic conditions on	the site typical for thi	s time of year? Y	es X No	(If no	, explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly o	disturbed?	Are "Normal Cir	rcumstances" prese	nt? Yes	X No
		, or Hydrology			•	lain any answers in		
SUMMARY OF I	FINDINGS - A	ttach site map s	howing samp	ling point locati	ons, transe	cts, important t	features, etc.	
Hydrophytic Veget	ation Present?	Yes	No X	Is the Sam	pled Area			
Hydric Soil Presen	ıt?	Yes	NoX	within a W	etland?	Yes	NoX	
Wetland Hydrology	y Present?	Yes	NoX	If yes, option	onal Wetland Sit	te ID:		
Remarks: (Explain	alternative proce	dures here or in a se	parate report.)	'				
HYDROLOGY								
Wetland Hydrolog	••							
Primary Indicators	(minimum of one	required; check all the	nat apply)				tors (minimum of	two required)
Surface Wate	` ,	_	_ Water-Stained L	` '			Cracks (B6)	
High Water Ta	. ,	_	_ Aquatic Fauna (Drainage Pa		
Saturation (A:	,	_	_ Marl Deposits (E	,		Moss Trim L	, ,	
Water Marks	` '	_	_ Hydrogen Sulfid		-t- (OO)		Water Table (C2)	
Sediment Dep	. ,	_	_	spheres on Living Ro	ots (C3)	Crayfish Bur	, ,	
Drift Deposits Algal Mat or 0	, ,	_	Presence of Rec	duced from (C4) duction in Tilled Soils	(C6)		′isible on Aerial Im Stressed Plants (D	
Iron Deposits	, ,	_	Thin Muck Surfa		(00)		Position (D2)	1)
	sible on Aerial Ima	agery (B7)	Other (Explain in			Shallow Aqu	, ,	
	etated Concave S		_	ir romano,			aphic Relief (D4)	
_ ' '		(- /				FAC-Neutral	. , ,	
F: 1101 //								
Field Observation		/oo No V	Donth (inches)	۸.				
Surface Water Pre Water Table Prese		'es NoX 'es NoX	' ' '	·				
Saturation Present		res No X ∕es No X	' ` ` '	·	Wotland Hyd	drology Present?	Yes	No X
(includes capillary		es NOX	Deptil (illiches))	vvetianu nyt	arology Fresent?	Tes	. NO <u>X</u>
(inloid des dapinary								
Describe Recorded	d Data (stream ga	auge, monitoring well,	, aerial photos, pre	vious inspections), if	available:			
Remarks:								
ixemarks.								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W001-2U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 5 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 2 x 2 = ___ FACW species Fraxinus pennsylvanica / Green ash FAC species 15 x 3 = FACU species 20 x 4 = x 5 = UPL species 60 300 97 (A) Column Totals: 6. Prevalence Index = B/A = 4.42**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Bromus inermis / Smooth brome, Smooth brome, Hungarian UPL 25 2 - Dominance Test is >50% Yes 2. Galium album / White bedstraw NI 3 - Prevalence Index ≤3.01 3. Solidago rugosa / Wrinkle-leaf goldenrod Yes FAC 4 - Morphological Adaptations1 (Provide supporting 4. Pastinaca sativa / Wild parsnip 15 Yes__ ΝI Problematic Hydrophytic Vegetation¹ (Explain) 10 No FACU 5. Solidago canadensis / Canada goldenrod 6. Centaurea jacea / Brownray knapweed 10 FACU ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. _____ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W001-2U

Depth	ription: (Describe to th Matrix			x Features				•			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarl	KS	
0-6	10YR 3/2	100					Clay Loam				
								,			
								,			
Type: C=Co	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	ation: PL=P	ore Lining, M	1=Matrix.	
hadria Cail I	n dia atawa						lu di a ata u	o fou Duck!			
Hydric Soil I				0 ((0)					ematic Hydr		
Histosol	• •		Polyvalue Belov				_	•) (LRR K, L	•	•
	oipedon (A2)		Thin Dark Surfa			149B)			edox (A16) (
	stic (A3)		Loamy Mucky N		(LRR K, L)				at or Peat (S		L, R)
	en Sulfide (A4)		Loamy Gleyed						7) (LRR K ,		
	d Layers (A5)		Depleted Matrix						Surface (S8		L)
	d Below Dark Surface (A	(11)	Redox Dark Su	, ,					ce (S9) (LR		:
	ark Surface (A12)		Depleted Dark	, ,				-	Masses (F1	, -	
	Mucky Mineral (S1)		Redox Depress	sions (F8)					plain Soils (F		
	Gleyed Matrix (S4)								A6) (MLRA	144A, 145	, 149B)
	Redox (S5)							Parent Mate			
	Matrix (S6)								rk Surface (ΓF12)	
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other	r (Explain ir	n Remarks)		
3Indiantara af	hydrophytic vegetation	and watland	hydrology must be r	rocent unlea	a diaturbad	ar problem	atio				
indicators of	Trydropriytic vegetation	and Welland	mydrology must be p	nesent, unies	s disturbed	or problem	iauo.				
Restrictive L	ayer (if observed):										
Type:											
Depth (in	ches):		<u></u>				Hydric Soil P	resent?	Yes	No	X
Remarks:											
	Gravel refusal at 6 inche	es. Gravel fill	below.								

Project/Site:	21028 Hoffman F	Falls Wetland Deli	ineation	City/Cou	nty: Towns of Eato	on, Fenner,	Nelson, and Smit	Sampling Date:	06/02/2023
Applicant/Owner:		Lib	erty Renewables		-	Sta	ate: New York	Sampling Point:	93-W001-2W
Investigator(s):		RF, RS		Section,	Township, Range:	Towns of	Eaton, Fenner, Nel	lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Lowland	Local re	elief (conc	ave, convex, none):	concave	Slop	oe (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLI	RA 244, LRR L M	LRA 172 Lat:	42.9	94685967	Long:	-75.754222	5 Datı	um: WGS 1984
Soil Map Unit Name:	. <u> </u>						NWI classification	on:	
Are climatic / hydrolo	gic conditions on th	ne site typical for t	his time of year?	Yes	X No	(If no,	explain in Remarks	s.)	
Are Vegetation						Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	_, or Hydrology _	naturally p	roblematic	? (If ne	eded, expla	ain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Att	ach site map	showing sam	npling p	oint locations	, transec	ts, important t	features, etc.	,
Hydrophytic Veget	ation Present?	Yes X			Is the Sampled	Area			
Hydric Soil Presen	ıt?	Yes X			within a Wetlan	ıd?	Yes X	No	
Wetland Hydrology	y Present?	Yes X	No	_	If yes, optional V	Vetland Site	e ID:	93-W001-2W PS	3S
	n alternative procedu ave surface with sal			e transition	from upland to we	etland			
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
1	(minimum of one re	equired: check all	that apply)				Secondary Indica	atore (minimum o	f two required)
Surface Water	,		X Water-Staine	d Leaves ('R9)			Cracks (B6)	two required)
High Water Ta	` '	-	Aquatic Faun	,	,20)		Drainage Pa	` ,	
Saturation (A	,	-	Marl Deposits	` '			Moss Trim L		
Water Marks	,	-	Hydrogen Su	, ,	(C1)			Water Table (C2)
Sediment De	` '	-			on Living Roots (0	23)	Crayfish Bur	,	,
Drift Deposits		-	Presence of F	•	• ,	,		isible on Aerial Ir	magery (C9)
Algal Mat or 0	, ,	-			in Tilled Soils (C6)			Stressed Plants ([,
Iron Deposits	, ,	-	Thin Muck Su		, ,			Position (D2)	,
	sible on Aerial Imag	gery (B7)	Other (Explai	n in Rema	rks)		Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Su	rface (B8)					Microtopogra	aphic Relief (D4)	
							X FAC-Neutral	l Test (D5)	
Field Observation	ne:								
Surface Water Pre		s No 2	X Depth (inch	es).					
Water Table Prese		s No		· —					
Saturation Present			X Depth (inch	· —	We	etland Hvdi	rology Present?	Yes X	No
(includes capillary		, ito	Bopan (mon			otiana myai	lology i rocolit.	700	
(morados sapinary									
Describe Recorde	d Data (stream gau	ge, monitoring we	ell, aerial photos, p	previous in	spections), if availa	able:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W001-2W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. 4_____(B) Species Across All Strata: 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 10 x 1 = 10 Sapling/Shrub Stratum (Plot size: 15 Feet 80 ___ x 2 = ___ FACW species __FACW 1. Salix / Willow Yes 40 x 3 = 120 FAC species 2. Cornus sericea / American dogwood NI 0 x 4 = FACU species x 5 = UPL species 15 145 (A) Column Totals: 5. 6. Prevalence Index = B/A = 2.52**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation Cornus sericea / American dogwood 30 FAC X 2 - Dominance Test is >50% Yes 2. Symphyotrichum / Aster FACW X 3 - Prevalence Index ≤3.0¹ 3. Equisetum arvense / Common horsetail FAC 4 - Morphological Adaptations1 (Provide supporting 10 FACW Problematic Hydrophytic Vegetation¹ (Explain) 4. Lysimachia nummularia / Moneywort, Creeping-jenny 10 No 10 OBL 5. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai No 6. Solidago gigantea / Smooth goldenrod 10 **FACW** ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ____ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W001-2W

	iption: (Describe to th	e depth neede			or confirm	the abser	ce of indicators	s.)
Depth	Matrix			Features			_	
(inches)	Color (moist)		Color (moist)	<u></u>	Type ¹	Loc ²	Texture	Remarks
0-18	7.5YR 3/2	95	7.5YR 5/6	5	C	PL	Clay Loam	
								
¹Type: C=Cor	centration, D=Depletion	, RM=Reduced	Matrix, MS=Maske	ed Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils³:
•			Dobavoluo Polow	Curfoss (CC) / DD D	MI DA 140		•
Histosol	, ,		Polyvalue Below	•			· —	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Surface	. , .		A 149B)		Prairie Redox (A16) (LRR K, L, R)
Black Hi	, ,		Loamy Mucky Min		LKK K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed Ma	, ,				Surface (S7) (LRR K, L)
	Layers (A5)		Depleted Matrix (alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	.11) <u>X</u>						Oark Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark Su					langanese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)		Redox Depressio	ns (F8)				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
Dark Su	face (S7) (LRR R, ML	RA 149B)					Other	(Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland hyd	drology must be pre	esent, unles	s disturbed	l or problen	natic.	
Restrictive L	ayer (if observed):							
Type:	,							
Depth (in	ches):		- -				Hydric Soil Pr	esent? Yes <u>X</u> No
Remarks:								

Project/Site:	21028 Hoffman F	Falls Wetland Deline	eation	City/County: To	owns of Eato	n, Fenner, N	Nelson, and Smit	Sampling Date:	06/02/2023
Applicant/Owner:	-	-				rk Sampling Point: 93-W002-1U			
Investigator(s):		RS RF		Section, Towns	hip, Range:	Towns of E	aton, Fenner, Ne	lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Hillslope	Local rel	lief (concave, co	onvex, none):	:	convex	Slop	pe (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLF	RA 244, LRR L MLR	RA 172 Lat:	42.920748	367	Long:	-75.6374581	Dat	um: WGS 1984
Soil Map Unit Name:		Conesus s	ilt loam, 3 to 8 pe	ercent slope			NWI classification	on:	
Are climatic / hydrolo	gic conditions on th	ne site typical for this	s time of year?	Yes X	No	(If no, e	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly	disturbed?	Are "N	Normal Circ	umstances" prese	nt? Yes _	X No
Are Vegetation	, Soil	, or Hydrology	naturally pro	oblematic?	(If nee	eded, explai	n any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Att	ach site map s	howing sam _l	pling point l	ocations,	transect	s, important t	features, etc	•
Hydrophytic Veget	ation Present?	Yes	No X	ls th	e Sampled A	Area			
Hydric Soil Presen	it?	Yes	No X	with	in a Wetland	d?	Yes	No X	
Wetland Hydrology	y Present?	Yes	No X	_ If ye	s, optional W	etland Site	ID:		
		ures here or in a sep dominated by canad		1					
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
1		equired; check all that	at apply)				Secondary Indica	itors (minimum o	f two required)
Surface Wate	,		Water-Stained	Leaves (B9)				Cracks (B6)	, , ,
High Water Ta	` '		- Aquatic Fauna	a (B13)			Drainage Pa	` '	
Saturation (A	` '		Marl Deposits	(B15)			Moss Trim L		
Water Marks	(B1)		Hydrogen Sulf	fide Odor (C1)			Dry-Season	Water Table (C2)
Sediment De	posits (B2)	_	Oxidized Rhizo	ospheres on Liv	ing Roots (C	3)	Crayfish Bur	rows (C8)	
Drift Deposits	(B3)	_	Presence of R	educed Iron (C4	1)		Saturation V	isible on Aerial I	magery (C9)
Algal Mat or 0	Crust (B4)	_	Recent Iron Re	eduction in Tille	d Soils (C6)		Stunted or S	stressed Plants (D1)
Iron Deposits	(B5)		Thin Muck Sur	rface (C7)			Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Imag	jery (B7)	Other (Explain	in Remarks)			Shallow Aqu	itard (D3)	
Sparsely Veg	etated Concave Su	rface (B8)						aphic Relief (D4)	
							FAC-Neutral	Test (D5)	
Field Observation	ns:								
Surface Water Pre	sent? Yes	s NoX	Depth (inche	es):					
Water Table Prese	ent? Yes	s No <u>X</u>	Depth (inche	es):					
Saturation Present	t? Yes	s No X	Depth (inche	es):	Wet	tland Hydr	ology Present?	Yes	NoX
(includes capillary	fringe)								
Describe Recorde	d Data (stream gau	ge, monitoring well,	aerial photos, pr	revious inspectio	ns) if availa	hle.			
Becomes records	a Bata (otroain gaa;	ge, mermering wen,	donai priotos, pr	ovious inopositi	no), n avana				
Damanika									
Remarks:									
1									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W002-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: _____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 3 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 3 x 2 = ___ FACW species 1. Lonicera morrowii / Morrow's honeysuckle FACU x 3 = FAC species 15 FAC 2. Rhamnus cathartica / European buckthorn 100 FACU species x 4 = 400 x 5 = UPL species 0 0 (A) Column Totals: 118 5 6. Prevalence Index = B/A = 3.82**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 85 1. Solidago canadensis / Canada goldenrod FACU 2 - Dominance Test is >50% FAC 2. Ranunculus acris / Acrid buttercup 3 - Prevalence Index ≤3.01 3. Anthoxanthum hirtum / Northern sweet vernal grass 3 **FACW** 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: ___93-W002-1U

Profile Desc Depth	ription: (Describe to th Matrix	e depth ne		he indicator x Features	or confirm	the abser	ice of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Rema	rks
0-16	10YR 3/3	100					Silt Loam		
	-								
	·			_					
	-								
	-			_					
	-								
				-					
	-								
¹Type: C=Co	ncentration, D=Depletion	- RM=Redu		ked Sand Gr			² l ocation	: PL=Pore Lining,	M=Matrix
		i, itivi–iteut	——————————————————————————————————————	- Sand Gi	aii is.				
Hydric Soil I								r Problematic Hyd	
Histosol	, ,		Polyvalue Belov					ck (A10) (LRR K, I	
	pipedon (A2)		Thin Dark Surfa			(149B)		airie Redox (A16)	
	stic (A3)		Loamy Mucky N	Mineral (F1)	(LRR K, L)			cky Peat or Peat (S	
Hydroge	n Sulfide (A4)		Loamy Gleyed	Matrix (F2)				face (S7) (LRR K	
Stratified	d Layers (A5)		Depleted Matrix	(F3)			Polyvalue	e Below Surface (S	88) (LRR K, L)
Deplete	d Below Dark Surface (A	\11)	Redox Dark Su	rface (F6)			Thin Dar	k Surface (S9) (LF	RR K, L)
Thick Da	ark Surface (A12)		Depleted Dark	Surface (F7)			Iron-Man	ganese Masses (F	12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy C	Gleyed Matrix (S4)						Mesic Sp	odic (TA6) (MLRA	A 144A, 145, 149B)
	Redox (S5)						Red Pare	ent Material (F21)	
	Matrix (S6)							llow Dark Surface	(TF12)
	rface (S7) (LRR R, ML	RA 149B)						kplain in Remarks)	` ,
_	, , ,	•					<u> </u>	,	
³ Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	oresent, unles	s disturbed	or problen	natic.		
	ayer (if observed):								
Type:									
Depth (in	ches):						Hydric Soil Pres	ent? Yes	NoX
Remarks:						<u> </u>			
	Gravel refusal at 16 incl	nes							

Applicant/Owner:	21028 Hoffman Fa	alls Wetland Delir	neation	City/County: Towns of	Eaton, Fenner,	Nelson, and Smit	Sampling Date:	06/02/2023
		Libe	erty Renewables	· · · · —		ate: New York		93-W002-1W
Investigator(s):		RS, RF		Section, Township, Rai	nge: Towns of	Eaton, Fenner, Nel	son, and Smithfie	ld, Madison Count
Landform (hillslope, to	errace, etc):	Lowland	Local r	elief (concave, convex, r	none):	concave	Slope	e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLR	A 244, LRR L ML	.RA 172 Lat:	42.92060633	Long:	-75.6374583	Datur	m: WGS 1984
Soil Map Unit Name:		Conesus	silt loam, 3 to 8 p	percent slopes		NWI classificatio	n:	
Are climatic / hydrolog				Yes X No	(If no,	explain in Remarks	s.)	
Are Vegetation	, Soil	, or Hydrology	significant	ly disturbed?	Are "Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation >	X, Soil	, or Hydrology	naturally p	roblematic? (If needed, expla	ain any answers in	Remarks.)	
SUMMARY OF F	INDINGS - Atta	ich site map	showing san	npling point location	ons, transec	ts, important f	eatures, etc.	
Hydrophytic Vegeta	ation Present?	Yes X	No	Is the Sam	oled Area			
Hydric Soil Present	t?	Yes X	No	within a We	etland?	Yes X		_
Wetland Hydrology	Present?	Yes X	No	If yes, option	nal Wetland Site	e ID:	93-W002-1W PF)
	alternative procedu n of NWI mapped w			field				
HYDROLOGY		-	-					
Wetland Hydrolog	ny Indicators:							
	(minimum of one re	quired: check all t	that apply)			Secondary Indica	tors (minimum of	two required)
Surface Water	,	quirou, orioon un t		ed Leaves (B9)		Surface Soil	,	two roquirou)
High Water Ta	` '	_	Aquatic Faun	(,		Drainage Pa	` '	
Saturation (A3	` '	_	Marl Deposits	, ,		Moss Trim L		
Water Marks ((B1)	_	Hydrogen Su	ılfide Odor (C1)		Dry-Season	Water Table (C2)	
Sediment Dep	posits (B2)	7	X Oxidized Rhi:	zospheres on Living Roc	ots (C3)	Crayfish Bur	rows (C8)	
Drift Deposits	(B3)	_	Presence of I	Reduced Iron (C4)		Saturation V	isible on Aerial Im	agery (C9)
Algal Mat or C	Crust (B4)	_	Recent Iron F	Reduction in Tilled Soils	(C6)	Stunted or S	tressed Plants (D	1)
Iron Deposits	(B5)	_	Thin Muck Su	urface (C7)		Geomorphic	Position (D2)	
Inundation Vis	sible on Aerial Image	ery (B7)	Other (Explai	in in Remarks)		Shallow Aqu	itard (D3)	
Sparsely Vege	etated Concave Sur	face (B8)					aphic Relief (D4)	
						FAC-Neutral	Test (D5)	
Field Observation	ns:							
Surface Water Pres	sent? Yes	No X	C Depth (inch	es):				
	nt? Yes	No X	Depth (inch	es):				
Water Table Presei		No X	Depth (inch	es):	Wetland Hyd	rology Present?	Yes X	No
Water Table Present Saturation Present	? Yes							· · · · · · · · · · · · · · · · · · ·
Saturation Present (includes capillary	fringe)							
Saturation Present (includes capillary	fringe)	je, monitoring wel	I, aerial photos, p	orevious inspections), if a	available:			
Saturation Present (includes capillary	fringe)	je, monitoring wel	l, aerial photos, μ	previous inspections), if a	available:			
Saturation Present (includes capillary	fringe)	ge, monitoring wel	l, aerial photos, μ	previous inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	l, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	l, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	l, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	'l, aerial photos, μ	previous inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	previous inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	orevious inspections), if a	available:			
Saturation Present (includes capillary to Describe Recorded	fringe)	ge, monitoring wel	ll, aerial photos, μ	previous inspections), if a	available:			

VEGETATION - Use scientific names of plants. Sampling Point: 93-W002-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Populus tremuloides / Quaking aspen FACU Species Across All Strata: (B) 2. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 60 = Total Cover OBL species 0 x 1 = 0 Sapling/Shrub Stratum (Plot size: 15 Feet 92 ___ x 2 = __ FACW species 1. Lonicera morrowii / Morrow's honeysuckle FACU Yes FAC species 33 x 3 = 2. Rhamnus cathartica / European buckthorn FAC FACU species 73 x 4 = 292 x 5 = _ UPL species 0 (A) Column Totals: 198 5. 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Onoclea sensibilis / Sensitive fern 65 **FACW** 2 - Dominance Test is >50% Yes 2. Impatiens capensis / Spotted jewelweed **FACW** X 3 - Prevalence Index ≤3.0¹ FAC 4 - Morphological Adaptations1 (Provide supporting 3. Ranunculus acris / Acrid buttercup 10 Problematic Hydrophytic Vegetation¹ (Explain) 4. Rhamnus cathartica / European buckthorn Nο FAC No 5. Anthoxanthum hirtum / Northern sweet vernal grass FACW 6. Fraxinus pennsylvanica / Green ash **FACW** ¹Indicators of hydric soil and wetland hydrology must 7. Acer rubrum / Red maple No FAC be present, unless disturbed or problematic. 8. Lonicera morrowii / Morrow's honeysuckle FACU **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 123 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes X No ___ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W002-1W

Profile Description Depth	ription: (Describe to the Matrix	ne depth need		ne indicator Features	or confirm	the abser	nce of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 3/2	98	10YR 5/6	2	С	PL	Clay Loam	Remarks
0-10	10110 3/2		10111 3/0				Clay Loaili	
								
							-	_
								<u> </u>
							-	
							-	
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Reduc	ed Matrix, MS=Mask	ked Sand Gr	ains.		² Location	on: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators f	for Problematic Hydric Soils3:
Histosol	(A1)		Polyvalue Below	Surface (S	8) (LRR R ,	MLRA 149	B) 2 cm M	luck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)	-	Thin Dark Surfa					Prairie Redox (A16) (LRR K, L, R)
Black His		_	 Loamy Mucky M			•		lucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	-	Loamy Gleyed N		. , ,			urface (S7) (LRR K, L)
	Layers (A5)	_	Depleted Matrix					lue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	\11) <u> </u>	' X Redox Dark Sur					ark Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark S					anganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)	_	Redox Depressi	, ,				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	_		00 (. 0)				Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							hallow Dark Surface (TF12)
	face (S7) (LRR R, ML	PA 1/9R)						Explain in Remarks)
Dark our	lace (O7) (EIXIX IX, INIE	(KA 140D)					Other (Explain in Remarks)
³ Indicators of	hydrophytic vegetation	and wetland h	nydrology must be pr	resent, unles	ss disturbed	or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):		<u></u>				Hydric Soil Pre	esent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman	Falls Wetland Deline	ation	City/Cour	nty: Towns of Eato	on, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Libert	y Renewables		-	Sta	ite: New York	Sampling Point:	: 93-W003-1U
Investigator(s):		JB RS GH		Section, 7	Township, Range:	Towns of I	Eaton, Fenner, Ne	Ison, and Smithf	ield, Madison Count
Landform (hillslope,	terrace, etc):	Foot of slope	Local re	elief (conca	ive, convex, none):	convex	Slo	pe (%): 2-7
		LRA 244, LRR L MLR	A 172 Lat:	42.9	9226515	Long:	-75.686788	3 Dat	um: WGS 1984
Soil Map Unit Name:	: W:	ayland soils complex,	0 to 3 percent s	slopes, free	quently flooded		NWI classification	on:	
		the site typical for this	time of year?	Yes X	(No	(If no,	- explain in Remark	is.)	
	-	, or Hydrology					:umstances" prese	,	X No
		, or Hydrology		oblematic	? (If ne	eded, expla	in any answers in	Remarks.)	
		tach site map sh				-	•	•	: .
Hydrophytic Veget		Yes X	No	, mg p	Is the Sampled		, p =		
Hydric Soil Preser		Yes	No X	_	within a Wetlan		Yes	No X	
Wetland Hydrolog		Yes	No X	-	If yes, optional V				
victiana mydrolog	y i resent:	103		_	ii yes, optional v	vetiand one			
		dures here or in a sep ed by green ash. Mair		urs in this	area.				
HYDROLOGY									
Wetland Hydrolo	gy Indicators:						<u>-</u>		
Primary Indicators	(minimum of one	required; check all tha	it apply)				Secondary Indica	ators (minimum c	of two required)
Surface Water	er (A1)		Water-Stained	l Leaves (I	B9)			l Cracks (B6)	
High Water T	able (A2)		Aquatic Fauna	a (B13)			Drainage Pa	atterns (B10)	
Saturation (A	.3)		Marl Deposits	(B15)			Moss Trim L	ines (B16)	
Water Marks	(B1)		Hydrogen Sul	fide Odor ((C1)		Dry-Season	Water Table (C2	<u>?</u>)
Sediment De	posits (B2)		Oxidized Rhiz	ospheres	on Living Roots (0	C3)	Crayfish Bu	rrows (C8)	
Drift Deposits	s (B3)		Presence of R	Reduced Iro	on (C4)	,	Saturation \	/isible on Aerial I	magery (C9)
Algal Mat or 0	Crust (B4)		Recent Iron R	eduction in	n Tilled Soils (C6)		Stunted or S	Stressed Plants (D1)
Iron Deposits	, ,		Thin Muck Su	rface (C7)	,		Geomorphic	Position (D2)	,
	isible on Aerial Ima	ngery (B7)	Other (Explain	n in Remar	·ks)		Shallow Aqu	uitard (D3)	
	etated Concave S	-	` '		,			aphic Relief (D4))
		,					FAC-Neutra	. , ,	
Field Observation									
Field Observation		a. Na V	Danth (in the	\-					
Surface Water Pre		es No _X	_ Depth (inche	· —					
Water Table Prese		es No _X	_ ' '	<i>'</i>		-41 I I I I		V V	NI-
Saturation Presen		es No <u>X</u>	_ Depth (inche	es):	VVE	etiana Hyar	ology Present?	Yes X	No
(includes capillary	Tringe)								
Describe Recorde	d Data (stream ga	uge, monitoring well,	aerial photos, p	revious ins	spections), if availa	able:			
	, ,				,				
Damanika									
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W003-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ___ 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus pennsylvanica / Green ash **FACW** Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 40 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 45 ___ x 2 = __ FACW species 1. Rhamnus cathartica / European buckthorn 25 _ x 3 = FAC species FACU species 40 x 4 = UPL species 5 x 5 = (A) Column Totals: 115 6. Prevalence Index = B/A = 3.04 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Solidago canadensis / Canada goldenrod 25 **FACU** X 2 - Dominance Test is >50% Yes 2. Symphyotrichum prenanthoides / Crooked-stem american-as FAC 3 - Prevalence Index ≤3.01 FACU 4 - Morphological Adaptations1 (Provide supporting 3. Arctium minus / Common burdock 10 4. Taraxacum officinale / Red seeded dandelion, Common dan FACU Problematic Hydrophytic Vegetation¹ (Explain) 5 Nο UPL 5. Fragaria vesca / Wild strawberry, Wood strawberry No 6. Lysimachia nummularia / Moneywort, Creeping-jenny **FACW** ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ___ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W003-1U

Depth	Matrix		Redo:	x Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remar	ks	
0-18	10YR 3/3	100	, ,				Silt Loam				
				_							
							_				
							_				
				_							
		 ,		_							
	 .										
		 .		_		 -					
ype: C=Con	centration, D=Depletion,	, RM=Redu	 ced Matrix, MS=Mas	ked Sand Gr	ains.	 -	²Locat	tion: PL=Po	ore Lining, N	Л=Matrix.	
			•								
ydric Soil In			D D.	0 ((0	o)				ematic Hyd		٥٣١
_ Histosol (` '		Polyvalue Belov					•) (LRR K, L		-
	ipedon (A2)		Thin Dark Surfa			149B)			dox (A16)		
Black His			Loamy Mucky N	. ,	(LRR K, L)				t or Peat (S		, L, R)
	n Sulfide (A4)	,	Loamy Gleyed						7) (LRR K,		
	Layers (A5)		Depleted Matrix						Surface (S		, L)
	Below Dark Surface (A1	11)	Redox Dark Su	, ,					e (S9) (LR		
_	rk Surface (A12)	,	Depleted Dark					-	Masses (F		
	ucky Mineral (S1)		Redox Depress	ions (F8)					olain Soils (F		
	eyed Matrix (S4)								46) (MLR A	144A, 14	5, 149B)
_ Sandy Re	edox (S5)						Red P	arent Mate	rial (F21)		
Stripped	Matrix (S6)						Very S	Shallow Da	rk Surface (TF12)	
Dark Surf	face (S7) (LRR R, MLR	RA 149B)					Other	(Explain in	Remarks)		
		المسملة عنين المسم	hydrology must be n	resent unles	ss disturbed	or problem	atic				
Indicators of h	hydrophytic vegetation a	ına wellana				o. p. o					
	hydrophytic vegetation a	ind welland	Trydrology must be p								
estrictive La	nydrophytic vegetation a ayer (if observed):	ind welland	Trydrology must be p								
estrictive La	ayer (if observed):	ind welland	mydrology must be p					rocont?	Vos	No	~
estrictive La	ayer (if observed):	ind welland	myuroregy must be p				Hydric Soil Pr	resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ind welland	——					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ind welland	——————————————————————————————————————					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ind welland	——					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ind welland						resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana						resent?	Yes	No.	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	myuroregy must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	myuroregy must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	myurorogy must be p					resent?	Yes	No	x
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tyuroregy must be p					resent?	Yes	No	x
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tyuroregy must be p					resent?	Yes	No	x
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tyuroregy must be p					resent?	Yes	No	x
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tyuroregy must be p					resent?	Yes	No	<u>x</u>
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tryulology must be p					resent?	Yes	No	x
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tyuroregy must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	inyuroregy must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	inyurorogy must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	inyurorogy must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	inyurorogy must be p					resent?	Yes	No	X
Type:	ayer (if observed):	ma wellana	inyuroregy must be p					resent?	Yes	No	X
estrictive La	ayer (if observed):	ma wellana	Tryulology must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tryulology must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tryulology must be p					resent?	Yes	No	X
estrictive La Type: Depth (inc	ayer (if observed):	ma wellana	Tryulology must be p					resent?	Yes	No	X

Project/Site:	21028 Hoffman Fa	alls Wetland Deline	ation Cit	y/County: Towns of E	aton, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Libert	y Renewables	· · ·		ate: New York	· · ·	93-W003-1W
Investigator(s):	J'	B, GH, RS	Se	ction, Township, Rang	je: Towns of	Eaton, Fenner, Ne	lson, and Smithfiel	d, Madison Count
Landform (hillslope,	terrace, etc):	Floodplain	Local relief	(concave, convex, no	ne):	concave	Slope	(%): 0-5
Subregion (LRR or M	MLRA): LRR R MLR	A 244, LRR L MLR	A 172 Lat:	42.92272617	Long:	-75.6868588	B3 Datun	n: WGS 1984
Soil Map Unit Name:	Wayl	land soils complex,	0 to 3 percent slop	es, frequently flooded		NWI classification	n: Wayland soils	complex, 0 to 3 p
	ogic conditions on the			s X No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil,	or Hydrology	significantly dis	sturbed? Ar	e "Normal Circ	cumstances" prese	nt? Yes 2	X No
Are Vegetation	, Soil,	or Hydrology	naturally proble	ematic? (If	needed, expla	ain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Atta	ch site map sl	nowing sampli	ng point location	ns, transec	ts, important	features, etc.	
Hydrophytic Veget	tation Present?	Yes X	No	Is the Sample	ed Area			
Hydric Soil Preser	nt?	Yes X	No	within a Wetl	and?	Yes X	No	_
Wetland Hydrology	y Present?	Yes X	No	If yes, optiona	al Wetland Site	e ID:	93-W003-1W PEN	Λ
	n alternative procedur dplain to DEC mappe		arate report.)	'				
HYDROLOGY								
Wetland Hydrolog	av Indicators:							
,	(minimum of one red	quired: check all th:	at annly)			Secondary Indica	itors (minimum of t	wo required)
Surface Water	,	Jan Gu, Griook un are	Water-Stained Le	aves (B9)			Cracks (B6)	no roquirou)
High Water Ta	` '		Aquatic Fauna (B	` '		Drainage Pa	` '	
Saturation (A	` ,		Marl Deposits (B	,		Moss Trim L		
Water Marks	(B1)		Hydrogen Sulfide	Odor (C1)		Dry-Season	Water Table (C2)	
Sediment De	posits (B2)	X	Oxidized Rhizosp	heres on Living Roots	s (C3)	Crayfish Bur	rows (C8)	
Drift Deposits	s (B3)	_	Presence of Redu	uced Iron (C4)		Saturation V	isible on Aerial Ima	agery (C9)
Algal Mat or 0	Crust (B4)	_	Recent Iron Redu	uction in Tilled Soils (C	6)	Stunted or S	Stressed Plants (D1	1)
Iron Deposits	(B5)		Thin Muck Surfac	ce (C7)		X Geomorphic	Position (D2)	
Inundation Vi	sible on Aerial Image	ery (B7)	Other (Explain in	Remarks)		Shallow Aqu	iitard (D3)	
Sparsely Veg	etated Concave Surf	ace (B8)				Microtopogra	aphic Relief (D4)	
						X FAC-Neutra	Test (D5)	
Field Observation	ns:							
Surface Water Pre		No X	Depth (inches):					
Water Table Prese		No X	_ ' ' '					
Saturation Present			Depth (inches):		Wetland Hydr	rology Present?	Yes X	No
(includes capillary			_ ' ' '			3,		
Describe Recorde	d Data (stream gaug	e, monitoring well,	aerial photos, previ	ous inspections), if av	ailable:			
Remarks:								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W003-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 25 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 30 x 2 = FACW species 120 40 x 3 = FAC species _ x 4 = 0 FACU species UPL species 10 x 5 = 105 (A) Column Totals: 6. Prevalence Index = B/A = 2.43 **Hydrophytic Vegetation Indicators:** 5 Feet 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 1. Euthamia graminifolia / Flat-top goldentop 30 FAC X 2 - Dominance Test is >50% Yes 2. Onoclea sensibilis / Sensitive fern **FACW** X 3 - Prevalence Index ≤3.0¹ 3. Eutrochium maculatum / Spotted trumpetweed OBL 4 - Morphological Adaptations1 (Provide supporting NI Problematic Hydrophytic Vegetation¹ (Explain) 4. Symphyotrichum / Aster 10 Nο 10 No FAC 5. Symphyotrichum prenanthoides / Crooked-stem american-as 6. Asclepias incarnata / Swamp milkweed OBL ¹Indicators of hydric soil and wetland hydrology must 7. Mentha arvensis / American wild mint, Field mint **FACW** be present, unless disturbed or problematic. 8. _ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 105 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W003-1W

Coche (molst) Si	Depth	iption: (Describe to the Matrix	ic deptil lice		Features	or commi	i tile absell	ice of indicators.)	
10-12	•	-	%			Type ¹	Loc²	Texture	Remarks
12-18 7.5YR 4/3 95 10YR 4/4 5 C M,PL Clay Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Plocation: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R,MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Minreal (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Thick Dark Surface (A11) X Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Thin Dark Surface (F7) Into Dark Surface (F8) (LRR K, L) Sandy Mucky Minreal (S1) Redox Depressions (F8) Pelemont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Redox Dark Surface (F8) Pelemont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Stripped Matrix (S4) Redox Dark Surface (F8) Dark Surface (F7) Into Dark Surface (F19) (MLRA 149B) Sandy Redox (S5) Stripped Matrix (S4) Redox Dark Surface (F10) Dark Surface (F10) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Plyei_ Depth (inches): Hydric Soil Present? Yes No X									Remains
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. #Hydric Soil Indicators: Histor Soil Indicators									
Hydric Soil Indicators: Histosol (A1)	12-10	7.51K 4/5	95	10 f K 4/4			IVI,PL	Clay	
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)					· ——				
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)		- <u></u> -							
Histosol (A1)	¹Type: C=Con	centration, D=Depletion	n, RM=Reduc	ed Matrix, MS=Mask	ed Sand Gr	ains.		² Location	n: PL=Pore Lining, M=Matrix.
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F2) Dark Surface (S7) (LRR K, L) Depleted Below Dark Surface (A11) X Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Hydric Soil Ir	ndicators:						Indicators fo	r Problematic Hydric Soils³:
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Fedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol	(A1)		Polyvalue Below	Surface (S	3) (LRR R ,	MLRA 149	B) 2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Black Histic (A3)		• •	_						. ,
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (S7) Thick Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Loamy Gleyed Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Polyvalue Below Surface (S8) LARR K, L) Thin Dark Surface (S9) LARR K, L) Thin Dark Surface (S9) LARR K, L) Iron-Manganese Masses (F12) LARR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) Mesic Spodic (TA6) Mesic S			=						
Stratified Layers (A5)		, ,	=			. , -,			
Depleted Below Dark Surface (A11)			_					_	
Thick Dark Surface (A12)			A11)		. ,				
Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X			_					_	
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	_		-					_	
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _ X	_		-	Redox Depressi	0113 (1 0)			_	
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _X	_								
Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _X	_							_	
3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	_		DA 140D)						
Restrictive Layer (if observed): Type:	Daik Sui	lace (37) (LIKIX IX, IVIL	.KA 143D)					Other (E	xpiairi iir iteriiarks)
Type:	³ Indicators of	hydrophytic vegetation	and wetland l	nydrology must be pr	esent, unles	s disturbed	l or problem	natic.	
Depth (inches): Hydric Soil Present? Yes No X	Restrictive L	ayer (if observed):							
	Type:								
Remarks:	Depth (inc	ches):						Hydric Soil Pres	ent? Yes NoX
	Remarks:								

Project/Site:	21028 Hoffman Fal	lls Wetland Delinea	tion City	//County: Towns of E	aton, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Liberty	Renewables			ate: New York		
Investigator(s):	JE	B RS GH	Sec	ction, Township, Rang	e: Towns of	Eaton, Fenner, Nel	lson, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Hill slope	Local relief ((concave, convex, no	ne):	convex	Slop	oe (%): 2-7
Subregion (LRR or M	ILRA): LRR R MLRA	A 244, LRR L MLRA	172 Lat:	42.92277367	Long:	-75.6867371	17 Datu	um: WGS 1984
Soil Map Unit Name:	Wayla	and soils complex, (to 3 percent slope	es, frequently flooded		NWI classification	on:	
Are climatic / hydrolo	gic conditions on the	site typical for this	time of year? Yes	<u>X</u> No	(If no,	explain in Remark	s.)	
Are Vegetation	, Soil,	or Hydrology	significantly dis	turbed? Are	e "Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil,	or Hydrology	naturally proble	matic? (If	needed, expla	ain any answers in	Remarks.)	
SUMMARY OF F	FINDINGS - Attac	ch site map sh	owing samplir	ng point location	ıs, transec	ts, important t	features, etc.	ı
Hydrophytic Vegeta	ation Present?	Yes X	No	Is the Sample	ed Area			
Hydric Soil Presen	t?	Yes	No X	within a Wetl	and?	Yes	NoX	
Wetland Hydrology	/ Present?	Yes	No X	If yes, optiona	l Wetland Site	e ID:		
	alternative procedure sted hill slope. Vegeta			ut is lacking hydric so	il and hydrolo	gy indicators.		
HYDROLOGY								
Wetland Hydrolog	av Indicators:							
, ,	(minimum of one requ	uired: check all tha	t apply)			Secondary Indica	ntors (minimum o	f two required)
Surface Wate			Water-Stained Lea	aves (B9)			Cracks (B6)	
High Water Ta	able (A2)	_	Aquatic Fauna (B1	13)		 Drainage Pa	` ,	
Saturation (A3	` '	_	Marl Deposits (B1	•		Moss Trim L		
Water Marks	(B1)	_	Hydrogen Sulfide	Odor (C1)		Dry-Season	Water Table (C2)
Sediment Dep	posits (B2)	<u> </u>	Oxidized Rhizosph	neres on Living Roots	(C3)	Crayfish Bur	rows (C8)	
Drift Deposits	(B3)		Presence of Redu	ced Iron (C4)		Saturation V	isible on Aerial Ir	nagery (C9)
Algal Mat or C	Crust (B4)	_	Recent Iron Reduc	ction in Tilled Soils (C	6)	Stunted or S	Stressed Plants (I	01)
Iron Deposits	• •		Thin Muck Surface	` '			Position (D2)	
	sible on Aerial Imager		Other (Explain in F	Remarks)		Shallow Aqu	, ,	
Sparsely Vege	etated Concave Surfa	ıce (B8)					aphic Relief (D4)	
						X FAC-Neutral	Test (D5)	
Field Observation	ns:							
Surface Water Pre	sent? Yes	No X	Depth (inches):					
Water Table Prese	nt? Yes	No X	Depth (inches):					
Saturation Present	t? Yes	No X	Depth (inches):		Wetland Hydi	rology Present?	Yes	No X
(includes capillary	fringe)		-					
Describe Recorded	d Data (stream gauge	, monitoring well, a	erial photos, previo	ous inspections), if av	ailable:			
Remarks:								
rtomants.								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W003-2U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ___ 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus pennsylvanica / Green ash **FACW** Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 70 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 150 ___ x 2 = __ FACW species 1. Rhamnus cathartica / European buckthorn 30 x 3 = FAC species 10 FACU species x 4 = UPL species 5 x 5 = (A) Column Totals: 195 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 5 Feet 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 1. Symphyotrichum / Aster 70 **FACW** X 2 - Dominance Test is >50% Yes 2. Lysimachia nummularia / Moneywort, Creeping-jenny **FACW** X 3 - Prevalence Index ≤3.0¹ 3. Rubus allegheniensis / Allegheny blackberry FACU 4 - Morphological Adaptations1 (Provide supporting 4. Fragaria vesca / Wild strawberry, Wood strawberry 5 UPL Problematic Hydrophytic Vegetation¹ (Explain) No 6. ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ___ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W003-2U

	ription: (Describe to th	ne depth nee			or confirm	the absen	ice of indicators.)	
Depth	Matrix	0/		x Features	T 1	1 2	Taxetum-	Damanis
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 3/3	100					Silt Loam	
	<u> </u>							
-								
·								
	· 							
-								
1T. 0.0				10 10				DI D. III MANA
Type: C=Col	ncentration, D=Depletio	n, RM=Reduc	ced Matrix, MS=Mas	ked Sand Gr	ains.		Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)	_	Polyvalue Belov	v Surface (S	8) (LRR R,	MLRA 149	B) 2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		Thin Dark Surfa	ce (S9) (LR	R R, MLRA	149B)	Coast Pra	irie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)	-	Loamy Mucky N	/lineral (F1)	(LRR K, L)		5 cm Muc	ky Peat or Peat (S3) (LRR K, L, R)
Hvdroge	en Sulfide (A4)	-	Loamy Gleyed I		,			ace (S7) (LRR K, L)
	d Layers (A5)	-	Depleted Matrix					Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	_ 	Redox Dark Su					Surface (S9) (LRR K, L)
	ark Surface (A12)	,	Depleted Dark S	. ,				ganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	=	Redox Depress					Floodplain Soils (F19) (MLRA 149B)
		-	Redux Depless	ions (Fo)				. , ,
	Gleyed Matrix (S4)							odic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							nt Material (F21)
	Matrix (S6)							low Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Ex	plain in Remarks)
3Indicators of	hydrophytic vegetation	and wetland	hvdrology must be p	resent unles	s disturbed	or problem	natic	
	.ayer (if observed):			,		'		
	.ayer (ii observeu).							
Type:	-h \.						Undata Oall Bassa	40 Vaa Na V
Depth (in	cnes):						Hydric Soil Prese	nt? Yes No _X
Remarks:								

Project/Site: 21	1028 Hoffman Falls	Wetland Deline	ation	City/Cou	ntv [.] Towns of F	aton Fenn	er, Nelson, and Smit	Sampling F)ate·	07/27/2023
Applicant/Owner:	020 Hollman Falls		y Renewables	Oity/Oou	ity. Iowiis of E		State: New York		_	
Investigator(s):	JB !	RS GH	<i>y</i>	Section.	Township, Rand		of Eaton, Fenner, Ne			
Landform (hillslope, terrac		Hill seep	Local re		ave, convex, no				Slope (
Subregion (LRR or MLRA	A): LRR R MLRA 2	244, LRR L MLR						33	Datum:	WGS 1984
Soil Map Unit Name:	Wayland	d soils complex,	0 to 3 percent	slopes, fre	quently flooded	<u> </u>	NWI classification	n:	PEN	м1E
Are climatic / hydrologic c							no, explain in Remark	s.)		
Are Vegetation	, Soil, or	Hydrology	significantl	y disturbed	d? Aı	e "Normal (Circumstances" prese	nt? Ye	s <u>X</u>	No
Are Vegetation						needed, ex	plain any answers in	Remarks.)		
SUMMARY OF FINE	DINGS - Attach	n site map sl	nowing sam	pling p	oint locatio	ns, trans	ects, important	features,	etc.	
Hydrophytic Vegetation	Present?	Yes X	No		Is the Sampl	ed Area				
Hydric Soil Present?		Yes X	No		within a Wet	land?	Yes X	No _		
Wetland Hydrology Pre	sent?	Yes X	No	_	If yes, option	al Wetland S	Site ID:	93-W003-2	W PFO	
Remarks: (Explain alter Hill seep o	rnative procedures drains into wetland.		arate report.)	1						
HYDROLOGY										
Wetland Hydrology In	idicators:									
Primary Indicators (min	nimum of one requir	red; check all tha	at apply)				Secondary Indica	tors (minim	um of tw	o required)
X Surface Water (A1	l)		Water-Stained	d Leaves (B9)		Surface Soil	Cracks (B6)	
X High Water Table	(A2)		Aquatic Faun	a (B13)			Drainage Pa	tterns (B10)	
X Saturation (A3)			Marl Deposits	` '			Moss Trim L	ines (B16)		
Water Marks (B1)			Hydrogen Sul				Dry-Season		∍ (C2)	
Sediment Deposits	` '			-	on Living Roots	s (C3)	Crayfish Bur			
Drift Deposits (B3)	•		Presence of F		` ,		Saturation V			
Algal Mat or Crust	` '				n Tilled Soils (C	26)	Stunted or S		. ,	
Iron Deposits (B5)	•	(DZ)	Thin Muck Su	` '	•		Geomorphic	,	2)	
	on Aerial Imagery	` '	Other (Explain	n in Rema	rks)		Shallow Aqu		(D4)	
Sparsely vegetate	ed Concave Surface	e (B6)					Microtopogra X FAC-Neutra	=	(D4)	
					<u> </u>		X TAC-Neutra	i lest (D3)		
Field Observations:										
Surface Water Present		X No	_ Depth (inche	· —	0.25					
Water Table Present?		X No	_ Depth (inche		0					
Saturation Present?		X No	_ Depth (inche	es):	0	Wetland H	ydrology Present?	Yes	<u>X</u>	No
(includes capillary fring	e)									
Describe Recorded Date	ta (stream gauge, r	monitoring well,	aerial photos, p	revious in:	spections), if av	/ailable:				
	, , ,	•			. ,					
Remarks: Signs of g	groundwater discha	rge.								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W003-2W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ___ 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus pennsylvanica / Green ash **FACW** Species Across All Strata: 3 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 70 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 155 ___ x 2 = __ FACW species 1. Rhamnus cathartica / European buckthorn 30 x 3 = FAC species 0 FACU species x 4 = x 5 = _ UPL species 0 (A) Column Totals: 185 5. 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet ____) 1 - Rapid Test for Hydrophytic Vegetation 70 1. Lysimachia nummularia / Moneywort, Creeping-jenny **FACW** X 2 - Dominance Test is >50% Yes 2. Symphyotrichum / Aster FACW X 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5. 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W003-2W

Profile Description Depth	iption: (Describe to the Matrix	ne depth need		ne indicator Features	or confirm	the absen	ice of indicators	.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 3/1	95	10YR 4/4	5	C	M	Silty Clay	Remains
0-10	10110 3/1		10111 4/4			IVI	Oilty Clay	
				· -				-
¹Type: C=Cor	centration, D=Depletio	n, RM=Reduce	ed Matrix, MS=Mask	ked Sand Gr	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil II	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol			Polyvalue Below	Surface (St	3) (LRR R .	MLRA 149		Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	Thin Dark Surfa					Prairie Redox (A16) (LRR K, L, R)
Black His		_	Loamy Mucky M			,		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N		(LIXIX IX, L)			Surface (S7) (LRR K, L)
		_	_					
	Layers (A5)	-	Depleted Matrix					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	A11) <u>/</u>	Redox Dark Sur					ark Surface (S9) (LRR K, L)
	rk Surface (A12)	_	Depleted Dark S	, ,				anganese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	_ Redox Depressi	ons (F8)				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)						Red Pa	arent Material (F21)
Stripped	Matrix (S6)						Very S	hallow Dark Surface (TF12)
Dark Sur	face (S7) (LRR R, ML	.RA 149B)					Other	(Explain in Remarks)
3Indicators of	hydrophytic vegetation	and wetland h	vdrology must be p	resent unles	s disturbed	or problem	natic	
	ayer (if observed):							
Type:	-L \.						Unidate Cell Da	
Depth (inc	cnes):						Hydric Soil Pr	esent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman F	Falls Wetland Delinea	ation City/	County: Towns of Ea	aton, Fenner, №	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:			/ Renewables	· —		te: New York		93-W003-3U
Investigator(s):		RS, GH	Secti	ion, Township, Range	E: Towns of E	Eaton, Fenner, Nel	lson, and Smithfie	ld, Madison Count
Landform (hillslope, t	errace, etc):	Hillslope	Local relief (c	oncave, convex, non	ıe):	convex	Slope	e (%): 6-11
Subregion (LRR or M	ILRA): LRR R MLF	RA 244, LRR L MLRA	172 Lat:	42.92249983	Long:	-75.6873391	17 Datui	m: WGS 1984
Soil Map Unit Name:	Way	yland soils complex,	0 to 3 percent slopes	s, frequently flooded		NWI classification	on:	
Are climatic / hydrolo	gic conditions on the	e site typical for this	time of year? Yes	X No	(If no, e	explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly distu	ırbed? Are	"Normal Circu	umstances" prese	nt? Yes	X No
		, or Hydrology			· ·	n any answers in	,	
SUMMARY OF F	FINDINGS - Atta	ach site map sh	owing sampling	g point location	s, transect	ts, important t	features, etc.	
Hydrophytic Vegeta	ation Present?	Yes	No X	Is the Sample	d Area			
Hydric Soil Presen	t?	Yes	NoX	within a Wetla	ınd?	Yes	NoX	
Wetland Hydrology	/ Present?	Yes	NoX	If yes, optional	Wetland Site	ID:		
Remarks: (Explain	alternative procedu	ures here or in a sepa	arate report.)					
HYDROLOGY								
Wetland Hydrolog	gy Indicators:							
Primary Indicators	(minimum of one re	equired; check all tha	t apply)			Secondary Indica	tors (minimum of	two required)
Surface Wate	r (A1)		Water-Stained Leav	/es (B9)		Surface Soil	Cracks (B6)	
High Water Ta	able (A2)		Aquatic Fauna (B13	3)		Drainage Pa	itterns (B10)	
Saturation (A3	3)		Marl Deposits (B15))		Moss Trim L	ines (B16)	
Water Marks	` '	_	Hydrogen Sulfide O	dor (C1)		Dry-Season	Water Table (C2)	
Sediment Dep	, ,		Oxidized Rhizosphe	eres on Living Roots	(C3)	Crayfish Bur	, ,	
Drift Deposits	, ,	_	Presence of Reduc	` ,			isible on Aerial Im	
Algal Mat or C	, ,			ion in Tilled Soils (C6	i)		stressed Plants (D	1)
Iron Deposits	. ,		Thin Muck Surface				Position (D2)	
	sible on Aerial Imag		Other (Explain in Re	emarks)		Shallow Aqu	, ,	
Sparsely Vege	etated Concave Sur	ласе (В8)				FAC-Neutral	aphic Relief (D4)	
							1 1031 (20)	
Field Observation								
Surface Water Pre		s NoX_	Depth (inches):					
Water Table Prese		S NoX	- ' ` / -					
Saturation Present		s NoX	Depth (inches):	V	Vetland Hydro	ology Present?	Yes	No <u>X</u>
(includes capillary	fringe)							
Describe Recorded	d Data (stream gaug	ge, monitoring well, a	erial photos, previou	ıs inspections), if ava	ilable:			
	, ,			. ,				
Damanda								
Remarks:								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W003-3U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Populus deltoides / Eastern cottonwood Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 30 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 0 ___ x 2 = __ FACW species 1. Salix / Willow NI 40 x 3 = FAC species 120 2. Rhamnus cathartica / European buckthorn FAC 90 FACU species x 4 = UPL species 15 x 5 = (A) ___ Column Totals: 145 5. 6. Prevalence Index = B/A = 3.83**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Centaurea jacea / Brownray knapweed 50 **FACU** 2 - Dominance Test is >50% Yes 2. Solidago canadensis / Canada goldenrod FACU 3 - Prevalence Index ≤3.0¹ FAC 4 - Morphological Adaptations1 (Provide supporting 3. Symphyotrichum / Aster 4. Cirsium arvense / Canada thistle FACU Problematic Hydrophytic Vegetation¹ (Explain) No FAC<u>U</u> 5. Galium aparine / Cleavers, Goose grass ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W003-3U

Depth	ription: (Describe to the Matrix	<u> </u>		x Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remark	(S	
0-6	10YR 3/2	100					Silt Loam				
	 .										
ype: C=Co	ncentration, D=Depletion,	, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=P	ore Lining, M	l=Matrix.	
ydric Soil I	ndicators:						Indicators	for Probl	ematic Hydr	ic Soils³:	
Histosol			Polyvalue Belov	w Surface (S	8) (LRR R,M	LRA 149E) (LRR K, L,		В)
	pipedon (A2)	•	Thin Dark Surfa	•			· —		edox (A16) (-
	stic (A3)	•	Loamy Mucky N			,			at or Peat (S3		
_	n Sulfide (A4)	•	Loamy Gleyed		, ,				7) (LRR K, l		, ,
	d Layers (A5)	,	Depleted Matrix						Surface (S8		_)
_	d Below Dark Surface (A	11)	Redox Dark Su						ce (S9) (LRI		•
Thick Da	ark Surface (A12)	,	Depleted Dark	Surface (F7)					Masses (F1		L, R)
	lucky Mineral (S1)	•	Redox Depress					-	plain Soils (F		
Sandy C	Gleyed Matrix (S4)	•					Mesic	Spodic (T	A6) (MLRA	144A, 145,	149B)
Sandy F	Redox (S5)						Red F	Parent Mate	erial (F21)		
Stripped	Matrix (S6)						Very S	Shallow Da	ark Surface (1	ΓF12)	
Dark Su	rface (S7) (LRR R, MLR	RA 149B)					Other	(Explain ir	n Remarks)		
Indicators of	hydrophytic vegetation a	and wetland	hydrology must be p	oresent, unles	ss disturbed o	r problem	atic.				
Restrictive L	.ayer (if observed):										
Type:											
Depth (in	ches):						Hydric Soil Pi	resent?	Yes	No	Х
1 \	, <u> </u>										
lemarks:	O	_									
	Gravel refusal at 6 inches	S									

Project/Site:	21028 Hoffman Fall	s Wetland Delir	neation	City/Count	ty: Towns of Eat	on, Fenner, I	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Libe	erty Renewables	•		Sta	te: New York	Sampling Point:	93-W003-3W
Investigator(s):		RS, GH		Section, To	ownship, Range:	Towns of I	Eaton, Fenner, Nel	son, and Smithfi	eld, Madison Count
Landform (hillslope, to	errace, etc):	Floodplain	Local re		ve, convex, none				pe (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLRA				2249067	Long:	-75.687322	. Dati	um: WGS 1984
Soil Map Unit Name:			x, 0 to 3 percent s		uently flooded		NWI classification	n:	PEM1E
Are climatic / hydrolog	gic conditions on the s					(If no,	explain in Remark	s.)	
Are Vegetation	, Soil, o	or Hydrology	significantly	disturbed?	? Are '	Normal Circ	umstances" prese	nt? Yes	X No
Are Vegetation			naturally pr	oblematic?			in any answers in	·	
SUMMARY OF F	INDINGS - Attac					-	•	,	
Hydrophytic Vegeta		Yes X	No		Is the Sampled	•	, ,	,	
Hydric Soil Present		Yes X		-	within a Wetlar		Yes X	No	
Wetland Hydrology		Yes X		-	If yes, optional \			93-W003-3W P	<u></u>
vvetiana riyarology	, i resent:			_	n yes, optional t	TVCIIGITG OILC		30 77000 0771	
	alternative procedured	s here or in a se	eparate report.)						
HYDROLOGY									
Wetland Hydrolog	ny Indicators:								
_	(minimum of one requ	ired: check all t	hat apply)				Secondary Indica	tore (minimum o	f two required)
Surface Water		ircu, cricck air t	Water-Stained	I Leaves (R	80)		Surface Soil	•	rtwo required)
X High Water Ta	` '	_	Aquatic Fauna	•	,5)		Drainage Pa	. ,	
X Saturation (A3	,	_	Marl Deposits				Moss Trim L		
Water Marks (*	_	Hydrogen Sul	. ,	C1)			Water Table (C2)
Sediment Dep	` '		Control of the con	,	•	33)	Crayfish Bur		,
Drift Deposits	, ,	<u>-</u>	Presence of F	-	• ,	30)		isible on Aerial I	magery (C9)
Algal Mat or C	, ,	_			Tilled Soils (C6)			tressed Plants (I	
Iron Deposits	, ,	_	Thin Muck Su		7 mod 30m3 (30)		X Geomorphic	,	3.,
	sible on Aerial Imagery	√ (B7)	Other (Explain		(s)		Shallow Aqu		
_	etated Concave Surface		(,			aphic Relief (D4)	
_ ' ' '		(- /					X FAC-Neutral	. ,	
Field Observation		N V	5 4 6 1	,					
Surface Water Pres	_	NoX	· `	<i>'</i>	10				
Water Table Prese	_	X No	Depth (inche	<i>'</i>	10			., .,	
Saturation Present	_	X No	Depth (inche	es):	8 W	etland Hydr	ology Present?	Yes X	No
(includes capillary	fringe)								
Describe Recorded	d Data (stream gauge,	monitoring well	l, aerial photos, p	revious insp	pections), if avail	able:			
	, , ,	_			•				
Domarka									
Remarks:									
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VEGETATION - Use scientific names of plants.				Sampling Point: 93-W003-3W
<u>Tree Stratum</u> (Plot size: <u>30 Feet</u>) 1. 2. 3.			Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 3 (B)
5. 4. 5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0 (A/B)
6	0 30	= Total Cov	FACW	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 80 x 1 = 80 FACW species 30 x 2 = 60 FAC species 0 x 3 = 0 FACU species 0 x 4 = 0
3				UPL species 0 x 5 = 0 Column Totals: 110 (A) 140 (B)
7. Herb Stratum (Plot size: 5 Feet)	30	= Total Cov	er	Prevalence Index = B/A =
Acorus americanus / Several-vein sweetflag Eutrochium maculatum / Spotted trumpetweed Carex vulpinoidea / Fox sedge, Brown fox sedge	30 25 15	Yes Yes No	OBL OBL	X 2 - Dominance Test is >50% X 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
 4. Chelone glabra / White turtlehead 5. 6. 7. 	_			Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12	80	= Total Cov	er	Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of
1. 2. 3. 4.				size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
	0	= Total Cov	er	Hydrophytic Vegetation Present? Yes X No
Remarks: (Explain alternative procedures here or in a separate	∍ report.)			

SOIL Sampling Point: 93-W003-3W

	iption: (Describe to th	e depth neede			or confirm	the abser	ce of indicators	s.)
Depth	Matrix			Features			_	
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc²	Texture	Remarks
0-12	10YR 4/1	90	7.5YR 4/6	10	C	PL,M	Clay Loam	
		·						
								 -
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduced	I Matrix, MS=Maske	ed Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soile ³
•			Dalvaralus Dalaur	Cfa.a.a. /C.C)	MI DA 440		for Problematic Hydric Soils ³ :
Histosol	, ,		Polyvalue Below		, -		- —	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Surface					Prairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Mucky Min		LRR K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed Ma					Surface (S7) (LRR K, L)
	Layers (A5)	<u>X</u>						alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A	.11)	Redox Dark Surfa					Oark Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark Su					langanese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)		Redox Depressio	ns (F8)				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
Dark Su	face (S7) (LRR R, ML	RA 149B)					Other	(Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland hy	drology must be pre	esent, unles	s disturbed	d or problen	natic.	
Restrictive L	ayer (if observed):							
Type:	,							
Depth (in	ches):		- -				Hydric Soil Pr	esent? Yes <u>X</u> No
Remarks:								

Project/Site:	21028 Hoffman Fa	alls Wetland Delinea	tion C	City/County: Town	ns of Eato	n, Fenner, I	Nelson, and Smit	Sampling D	ate:	07/27/2023
Applicant/Owner:			Renewables	, , <u> </u>			te: New York			93-W004-1U
Investigator(s):	J	IB RS GH	5	Section, Township	, Range:	Towns of E	Eaton, Fenner, Ne	son, and Sn	nithfield,	Madison Count
Landform (hillslope, t	terrace, etc):	Head of slope	Local relie	ef (concave, conv	ex, none)	:	concave		Slope (%): 0-5
Subregion (LRR or M	MLRA): LRR R MLRA	4 244, LRR L MLRA	172 Lat:	42.93342967	·	Long:	-75.705478	3	Datum:	WGS 1984
Soil Map Unit Name:	Wayla	and soils complex, (to 3 percent slo	opes, frequently fl	ooded		NWI classification	n:		
Are climatic / hydrolo	ogic conditions on the	site typical for this t	time of year?	/es X	No	(If no, e	explain in Remark	s.)		
Are Vegetation	, Soil,	or Hydrology	significantly o	disturbed?	Are "N	Normal Circ	umstances" prese	nt? Yes	s <u>X</u>	No
Are Vegetation	, Soil,	or Hydrology	naturally prol	blematic?	(If nee	eded, expla	in any answers in	Remarks.)		
SUMMARY OF I	FINDINGS - Atta	ch site map sh	owing samp	ling point loc	ations,	transect	ts, important t	features,	etc.	
Hydrophytic Veget	ation Present?	Yes	No X	Is the S	Sampled A	Area				
Hydric Soil Presen	ıt?	Yes X	No	within a	a Wetland	d?	Yes	No	Χ	
Wetland Hydrology	y Present?	Yes	No X	If yes, o	ptional W	etland Site	ID:			
	alternative procedure of active agriculture		rate report.)	<u>'</u>						
HYDROLOGY										
Wetland Hydrolog	av Indicators:									
1	(minimum of one req	uired: check all that	annly)				Secondary Indica	tors (minim	ım of tw	o required)
Surface Wate	,	junou, orrook un trat	Water-Stained I	Leaves (B9)			Surface Soil	•		o roquirou)
High Water Ta	` '	_	Aquatic Fauna	` ,			Drainage Pa	` ′		
Saturation (A	` ,		Marl Deposits (I	, ,			Moss Trim L			
Water Marks	(B1)	_	Hydrogen Sulfic	de Odor (C1)			Dry-Season	Water Table	(C2)	
Sediment Dep	posits (B2)		Oxidized Rhizos	spheres on Living	Roots (C	3)	Crayfish Bur	rows (C8)		
Drift Deposits	; (B3)		Presence of Re	duced Iron (C4)			Saturation V	isible on Aeı	rial Imag	jery (C9)
Algal Mat or 0	Crust (B4)	_	Recent Iron Rec	duction in Tilled S	oils (C6)		Stunted or S	tressed Plar	nts (D1)	
Iron Deposits	(B5)		Thin Muck Surfa	ace (C7)			Geomorphic	Position (D2	2)	
Inundation Vis	sible on Aerial Image	ry (B7)	Other (Explain i	in Remarks)			Shallow Aqu	itard (D3)		
Sparsely Veg	etated Concave Surfa	ace (B8)					Microtopogra	aphic Relief	(D4)	
							FAC-Neutra	Test (D5)		
Field Observation	ns:									
Surface Water Pre		No X	Depth (inches):						
Water Table Prese	•	No X		, 	-					
Saturation Present	•	No X	Depth (inches	·	We	tland Hydr	ology Present?	Yes		No X
(includes capillary			. ' `	, <u> </u>	_ `		3,			
Describe Recorded	d Data (stream gauge	e, monitoring well, a	erial photos, pre	evious inspections), if availa	able:				
Remarks:										

VEGETATION - Use scientific names of plants. Sampling Point: 93-W004-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: _____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 3 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 10 ___ x 2 = ___ FACW species Cornus sericea / American dogwood 0 ___ x 3 = __ FAC species 0 FACU species 80 x 4 = x 5 = UPL species 0 0 (A) Column Totals: 6. Prevalence Index = B/A = 3.78 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 40 1. Solidago canadensis / Canada goldenrod FACU 2 - Dominance Test is >50% FACU 2. Centaurea jacea / Brownray knapweed 3 - Prevalence Index ≤3.01 3. Dactylis glomerata / Orchardgrass FACU 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 80 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W004-1U

Depth	Matrix		Redox	x Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Rema	arks
0-18	7.5YR 3/2	98	7.5YR 4/4	2	C	М	Clay Loam		
		-		-					
		-		-					
ype: C=Con	centration, D=Depletio	n, RM=Red	duced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	ion: PL=Pore Lining,	M=Matrix.
ydric Soil In				0 ((0)	·			for Problematic Hy	
Histosol (,		Polyvalue Belov					Muck (A10) (LRR K,	•
	pedon (A2)		Thin Dark Surfa			(149B)		Prairie Redox (A16)	
Black His			Loamy Mucky N		LRR K, L)			Mucky Peat or Peat (
	Sulfide (A4)		Loamy Gleyed I					Surface (S7) (LRR I	
_	Layers (A5)		Depleted Matrix					alue Below Surface (
	Below Dark Surface (A	A11)	X Redox Dark Sur					Oark Surface (S9) (L	
	rk Surface (A12)		Depleted Dark S					• ,	F12) (LRR K, L, R)
	ucky Mineral (S1)		Redox Depress	ions (F8)					(F19) (MLRA 149B)
	eyed Matrix (S4)								RA 144A, 145, 149B)
_ Sandy Re								arent Material (F21)	
	Matrix (S6)							Shallow Dark Surface	
Dark Surf	face (S7) (LRR R, ML	D A 4 40 D \							\
-	acc (cr) (Little, inc	.KA 149B)					Other	(Explain in Remarks)
				rocent unles	a disturbed	or problem		(Explain in Remarks)
_			nd hydrology must be p	resent, unles	s disturbed	or problen		(Explain in Remarks)
Indicators of h				resent, unles	s disturbed	or problen		(Explain in Remarks)
ndicators of hadicators of hadicators of hadicators of his control of the hadicators of his control of his cont	nydrophytic vegetation			resent, unles	s disturbed	or problen	atic.)
ndicators of h	nydrophytic vegetation			resent, unles	s disturbed	or problen			X No
ndicators of hestrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	atic.		
ndicators of hestrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	atic.		
ndicators of hestrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	atic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	atic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	atic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
ndicators of hadicators of hadicators of hadicators of his control of the hadicators of his control of his cont	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
ndicators of had been detected by the control of th	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
ndicators of heterory of the lestrictive La Type: Depth (inc.)	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
ndicators of heterory of the lestrictive La Type: Depth (inc.)	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		
estrictive La Type: Depth (inc	nydrophytic vegetation			resent, unles	s disturbed	or problen	natic.		

Project/Site:	21028 Hoffman Fall	s Wetland Delin	eation	City/Cour	nty: Towns of Ea	aton, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Libe	rty Renewables	•		St	ate: New York	Sampling Point:	93-W004-1W
Investigator(s):	JB	RS GH	•	Section,	Township, Rang	e: Towns of	Eaton, Fenner, Nel	son, and Smithfi	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Swale	Local re		ave, convex, nor				e (%): 0-5
Subregion (LRR or M	ILRA): LRR R MLRA	244, LRR L ML			9333905	Long:	-75.7054593	3 Datu	ım: WGS 1984
Soil Map Unit Name:			x, 0 to 3 percent s		quently flooded		NWI classificatio	n: PS	S1/EM1Ed
Are climatic / hydrolo	gic conditions on the s						_ , explain in Remarks	s.)	
Are Vegetation	, Soil, o	or Hydrology	significantly	v disturbed	d? Are	"Normal Cir	cumstances" prese	nt? Yes	X No
Are Vegetation			naturally pr	oblematic	? (If ı	needed, expl	ain any answers in l	Remarks.)	
SUMMARY OF F						s. transe	cts. important f	features, etc.	
Hydrophytic Vegeta		Yes X	No		Is the Sample		, I	,	
Hydric Soil Presen		Yes X		_	within a Wetla		Yes X	No	
Wetland Hydrology		Yes X	No	_	If yes, optiona			93-W004-1W PE	-M
vvetiana riyarology	- Trosont:	103			n yes, optiona	i Welland Ole		30 W00+ 1W1 L	
	alternative procedures and occurs between ag			DEC Class	s C stream				
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
,	(minimum of one requ	ired: check all th	hat annly)				Secondary Indica	itore (minimum of	two required)
Surface Wate	`	ilica, cricck all ti	Water-Stained	d Leaves (R0)		Surface Soil	•	two required)
High Water Ta	` '	_	Aquatic Fauna	,	53)		Drainage Pa	` '	
Saturation (A3	` '		Marl Deposits	. ,			Moss Trim L		
Water Marks	•	_	Hydrogen Sul	, ,	(C1)			Water Table (C2)	1
Sediment Dep	` '		Oxidized Rhiz			(C3)	Crayfish Bur		,
Drift Deposits	, ,		Presence of F	-	-	(00)		isible on Aerial Ir	nagery (C9)
Algal Mat or C	, ,	-	_		n Tilled Soils (C	6)		tressed Plants ([o , , ,
Iron Deposits	, ,	_	Thin Muck Su		,	-,		Position (D2)	,
	sible on Aerial Imagery	/ (B7)	Other (Explain	, ,			Shallow Aqu		
_	etated Concave Surface	· · · —	(,			aphic Relief (D4)	
		()					X FAC-Neutral	. , ,	
									
Field Observation		NI V	5 " " 1	,					
Surface Water Pre	_	NoX	' ' '	· —					
Water Table Prese	_		Depth (inche	· —					
Saturation Present	_	NoX	Depth (inche	es):	'	Netland Hyd	Irology Present?	Yes X	No
(includes capillary	fringe)								
Describe Recorded	d Data (stream gauge,	monitoring well	, aerial photos, p	revious in:	spections), if ava	ailable:			
	, ,	· ·							
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W004-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 4 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. 4_____(B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 55 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 15 x 2 = FACW species 1. Salix / Willow 120 40 ___ x 3 = ___ FAC species 2. __ 0 x 4 = FACU species 0 UPL species x 5 = 110 (A) Column Totals: 6. Prevalence Index = B/A = 1.86 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Carex vulpinoidea / Fox sedge, Brown fox sedge 20 OBL X 2 - Dominance Test is >50% Yes 2. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai OBL X 3 - Prevalence Index ≤3.0¹ 15 _ _ Yes FACW 4 - Morphological Adaptations1 (Provide supporting 3. Onoclea sensibilis / Sensitive fern 10 OBL Problematic Hydrophytic Vegetation¹ (Explain) 4. Eutrochium maculatum / Spotted trumpetweed Nο 10 5. Scirpus atrovirens / Green bulrush OBL ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 70 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W004-1W

Profile Description Depth	ription: (Describe to the Matrix	e depth need		ne indicator Features	or confirm	the abser	ice of indicators	s.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 3/1	90	7.5YR 4/4	10	C	PL,M	Clay Loam	TO THAT TO
						,		
								 -
								<u> </u>
								<u> </u>
1Tuno: C=Con	 ncentration, D=Depletion		ad Matrix, MS=Maal	rad Sand Cr	oine		21 acct	ion: DI =Doro Lining M=Matrix
		n, Rivi-Reduc	eu Matrix, MS-Masr	teu Sanu Gr	allis.		Local	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)	_	Polyvalue Below	Surface (S	B) (LRR R	MLRA 149,	B) 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)	_	Thin Dark Surfa	ce (S9) (LR	R R, MLR	A 149B)	Coast	Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)	_	Loamy Mucky M	lineral (F1)	(LRR K, L)		5 cm N	Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N	Matrix (F2)	-			Surface (S7) (LRR K, L)
Stratified	Layers (A5)	-	Depleted Matrix	(F3)			Polyva	alue Below Surface (S8) (LRR K, L)
	I Below Dark Surface (A	\11) <u> </u>	X Redox Dark Sur				Thin D	Park Surface (S9) (LRR K, L)
Thick Da	rk Surface (A12)	_	Depleted Dark S					anganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)	_	Redox Depressi					ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	_		, ,				Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
_	Matrix (S6)							Shallow Dark Surface (TF12)
	face (S7) (LRR R, ML	RA 149B)						(Explain in Remarks)
	····· (-··) (- ·····, ···-	,					_	(,
³ Indicators of	hydrophytic vegetation	and wetland h	nydrology must be pr	resent, unles	s disturbed	d or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil Pr	esent? Yes X No
Remarks:								

Project/Site:	21028 Hoffman F	Falls Wetland Deline	ation (City/County: Tow	ns of Eato	n, Fenner, I	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Libert	y Renewables	, , <u> </u>			ite: New York		
Investigator(s):		JB RS GH		Section, Township	o, Range:	Towns of I	Eaton, Fenner, Ne	lson, and Smithf	ield, Madison Count
Landform (hillslope, t	terrace, etc):	Head of slope	Local reli	ef (concave, con	vex, none)):	convex	Slo	pe (%): 1-6
Subregion (LRR or M	ILRA): LRR R MLI	RA 244, LRR L MLR	A 172 Lat:	42.9335890	8	Long:	-75.7053573	38 Dat	tum: WGS 1984
Soil Map Unit Name:	. Wa	yland soils complex,	0 to 3 percent sle	opes, frequently	flooded		NWI classification	on:	
Are climatic / hydrolo	gic conditions on th	ne site typical for this	time of year?	Yes X	No	(If no,	explain in Remark	s.)	
Are Vegetation					Are "N	Normal Circ	umstances" prese	nt? Yes _	X No
Are Vegetation	, Soil	_, or Hydrology	naturally pro	blematic?	(If nee	eded, expla	in any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Att	ach site map sl	nowing samp	oling point lo	cations,	, transec	ts, important	features, etc	, 7=
Hydrophytic Veget	tation Present?	Yes	No X	Is the	Sampled A	Area			
Hydric Soil Presen	nt?	Yes	NoX	within	a Wetland	d?	Yes	NoX	
Wetland Hydrology	y Present?	Yes	NoX	If yes,	optional W	Vetland Site	ID:		
Remarks: (Explain Uplar	ı alternative procedu nd berm surroundin	ures here or in a sep ig POW portion of we	arate report.) etland.						
HYDROLOGY									
Wetland Hydrolog	av Indicators:								
1	••	equired; check all tha	at annly)				Secondary Indica	ators (minimum d	of two required)
Surface Wate	,	squirou, orrook air are	Water-Stained l	Leaves (B9)				Cracks (B6)	n two roquirou)
High Water Ta	` '		Aquatic Fauna	` '				atterns (B10)	
Saturation (A	` '		Marl Deposits (, ,			Moss Trim L	, ,	
Water Marks	(B1)	·	Hydrogen Sulfic	de Odor (C1)			Dry-Season	Water Table (C2	2)
Sediment De	posits (B2)		Oxidized Rhizo	spheres on Livin	g Roots (C	23)	Crayfish Bur	rrows (C8)	
Drift Deposits	s (B3)		Presence of Re	educed Iron (C4)			Saturation V	isible on Aerial l	magery (C9)
Algal Mat or 0	Crust (B4)		Recent Iron Re	duction in Tilled	Soils (C6)		Stunted or S	Stressed Plants (D1)
Iron Deposits	(B5)		Thin Muck Surf	face (C7)			Geomorphic	Position (D2)	
	sible on Aerial Imag		Other (Explain	in Remarks)			Shallow Aqu	, ,	
Sparsely Veg	jetated Concave Su	rface (B8)						aphic Relief (D4)
							FAC-Neutra	l Test (D5)	
Field Observation	ns:								
Surface Water Pre	sent? Yes	s NoX	Depth (inches	s):					
Water Table Prese	ent? Yes	s No X	Depth (inches	s):	_				
Saturation Present	t? Yes	s NoX	_ Depth (inches	s):	We	tland Hydr	ology Present?	Yes	NoX
(includes capillary	fringe)								
Describe Describe	d Data (atroons sou				-\ if -\:-il-	- la la .			
Describe Recorde	d Data (stream gau	ige, monitoring well,	aeriai pnotos, pre	evious inspection	s), if availa	able:			
Remarks:									
1									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W004-2U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 3 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species Lonicera morrowii / Morrow's honeysuckle FACU 15 ___ x 3 = __ FAC species UPL 2. Elaeagnus umbellata / Autumn olive FACU species 95 x 4 = x 5 = UPL species 10 50 120 (A) Column Totals: 5 6. Prevalence Index = B/A = 3.96 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 80 1. Solidago canadensis / Canada goldenrod FACU 2 - Dominance Test is >50% FAC 2. Equisetum arvense / Common horsetail 3 - Prevalence Index ≤3.0¹ 3. Centaurea jacea / Brownray knapweed FACU 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 100 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W004-2U

	ription: (Describe to th	ne depth nee			or confirm	the absen	nce of indicators.)	
Depth	Matrix			K Features	T. e 1	1 2	Taxetuu-	Damant-
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	7.5YR 4/3	100		- ——			Silt Loam	
-								
							·	
-								
47. 0.0								
¹Type: C=Co	ncentration, D=Depletio	n, RM=Reduc	ed Matrix, MS=Mas	ked Sand Gr	ains.		²Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	v Surface (S	8) (LRR R ,	MLRA 149	B) _ 2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)	-	Thin Dark Surfa	•	, -		· —	irie Redox (A16) (LRR K, L, R)
	stic (A3)	-	 Loamy Mucky N	. , .		,		ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)	=	Loamy Gleyed I		(=, =,			ace (S7) (LRR K, L)
	d Layers (A5)	-	Depleted Matrix					Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	\11\	Redox Dark Su					Surface (S9) (LRR K, L)
	ark Surface (A12)	-		, ,				
	, ,	-	Depleted Dark S					ganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	=	Redox Depress	ions (F8)				Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							odic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							nt Material (F21)
	l Matrix (S6)							low Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Ex	plain in Remarks)
3Indicators of	hydrophytic vegetation	and wetland	hvdrology must be p	resent. unles	ss disturbed	or problem	natic.	
	.ayer (if observed):			<u> </u>				
	ayer (ii observeu).							
Type:	-l \.						Undela Oall Bassa	
Depth (in	cnes):						Hydric Soil Prese	nt? Yes NoX
Remarks:								
remarks.								

Project/Site:	21028 Hoffma	n Falls Wetland Del	ineation	City/Cou	nty: Towns of Ea	ton, Fenner,	Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Lib	erty Renewables	•		Sta	ate: New York	Sampling Point:	93-W004-2W
Investigator(s):		JB RS GH	•	Section,	Township, Range			· -	eld, Madison Count
Landform (hillslope, t	terrace, etc):	Bowl shaped depre	essiom Local re	elief (conc	ave, convex, non	e):	convex	Slop	oe (%): 0-5
Subregion (LRR or M					933595	Long:	-75.7053423	33 Datu	um: WGS 1984
Soil Map Unit Name:	V	Vayland soils compl	ex, 0 to 3 percent	slopes, fre	equently flooded		NWI classification	on: PS	S1/EM1Ed
Are climatic / hydrolo	gic conditions on	the site typical for t	his time of year?	Yes	X No	(If no,	explain in Remark	s.)	
Are Vegetation	-					"Normal Circ	cumstances" prese	ent? Yes	X No
		, or Hydrology		roblematic	:? (If r	needed, expla	ain any answers in	Remarks.)	
SUMMARY OF F						s, transec	cts, important	features, etc.	
Hydrophytic Veget	ation Present?	Yes X	(No		Is the Sample	d Area			
Hydric Soil Presen	it?	Yes X			within a Wetla	ınd?	Yes X	No	
Wetland Hydrology		Yes X			If yes, optional	Wetland Site	e ID:	93-W004-2W PC	DW DW
	alternative proceed water.	edures here or in a s	separate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
1		required; check all	that apply)				Secondary Indica	ators (minimum of	f two required)
X Surface Wate	,		Water-Staine	d Leaves ('B9)			Cracks (B6)	
X High Water Ta	` '	-	X Aquatic Faun	,	(20)			atterns (B10)	
X Saturation (A:	` ,	-	Marl Deposits				Moss Trim L		
Water Marks	,	=	Hydrogen Su	` '	(C1)			Water Table (C2)
Sediment Dep	` ,	-			on Living Roots	(C3)	Crayfish Bur	•	,
Drift Deposits	, ,	-	Presence of F	•	· ·	(00)		/isible on Aerial Ir	magery (C9)
Algal Mat or 0	• •	-			in Tilled Soils (C6	3)		Stressed Plants ([
Iron Deposits	• •	-	Thin Muck Su		•	,	X Geomorphic	•	,
<u> </u>	sible on Aerial Im	agery (B7)	Other (Explai	` '	,		Shallow Aqu		
	etated Concave				,			aphic Relief (D4)	
		, ,					X FAC-Neutra	. , ,	
Field Observation	ne.								
Surface Water Pre		Yes X No	Depth (inch	es).	24+				
Water Table Prese		Yes X No	' ' '	′ —	0				
Saturation Present		Yes X No	Depth (inch	<i>'</i>		Votland Hyd	rology Present?	Yes X	No
(includes capillary		163 <u>X</u> 110	Deptil (illeli	<u> </u>		velianu riyu	ilology Fresent:	163 <u>X</u>	
(molades capillary									
Describe Recorded	d Data (stream g	auge, monitoring we	ell, aerial photos, p	orevious in	spections), if ava	ilable:			
Remarks: Frogs	s, crayfish and otl	her aquatic macro ir	nvertebrates obser	rved					

VEGETATION - Use scientific names of plants.				Sampling Point: 93-W004-2W
				Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 2 (A)
	Absolute	Dominant	Indicator	(ry
Tree Stratum (Plot size: 30 Feet)	% Cover	Species?	Status	Total Number of Dominant
1				Species Across All Strata: 2 (B)
2		_		Species Across Air Strata (b)
3.				Percent of Dominant Species
4				
5.				That Are OBL, FACW, or FAC: 100.0 (A/B)
6.				Prevalence Index worksheet:
7.				Total % Cover of: Multiply by:
		= Total Cov	ver	OBL species 10 x 1 = 10
Sapling/Shrub Stratum (Plot size: 15 Feet)		_		
1				· — — — — — — — — — — — — — — — — — — —
2		_		FAC species 0 x 3 = 0
2. 3.			- 	FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
				Column Totals:15 (A)20 (B)
•				
<u> </u>		-	<u> </u>	Prevalence Index = B/A = 1.33
/				
	0	_ = Total Cov	er er	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5 Feet)				X 1 - Rapid Test for Hydrophytic Vegetation
Asclepias incarnata / Swamp milkweed	10	Yes	OBL	X 2 - Dominance Test is >50%
2. Juncus dudleyi / Dudley's rush, Dudley's rush	5	Yes	FACW	X 3 - Prevalence Index ≤3.0¹
3				4 - Morphological Adaptations¹ (Provide supporting
4				Problematic Hydrophytic Vegetation¹ (Explain)
5		_		
6		_		¹ Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				
9				Definitions of Vegetation Strata
10				
11.				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
12				breast height (DBH), regardless of height.
	15	= Total Cov	er er	Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30 Feet)		-		greater than or equal to 3.28 ft (1 m) tall.
1.				Herb - All herbaceous (non-woody) plants, regardless of
2.				size, and woody plants less than 3.28 ft tall.
3.				Woody vines - All woody vines greater than 3.28 ft in
4.		-		height.
-		= Total Cov	/er	
		_		Hydrophytic
				Vegetation
				Present? YesX No
Remarks: (Explain alternative procedures here or in a separa	te report.)			

SOIL Sampling Point: 93-W004-2W

	cription: (Describe to the	ne depth need			or confirm	the absen	ce of indicators.)	
Depth (inches)	Matrix Color (moist)	0/		Features	Time of	12	Toyture	Domestics
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-6	10YR 4/1	98	10YR 3/3	2		M	Muck	
	<u> </u>							
	· .							
-						_		
								
-	· -							
		·						_
	. ———			- ——				
	<u> </u>							
¹Type: C=Co	ncentration, D=Depletio	n, RM=Reduce	d Matrix, MS=Mask	ked Sand Gr	ains.		²Location:	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils³:
Histosol	I (A1)		Polyvalue Below	/ Surface (S	8) (LRR R,I	MLRA 149	B) 2 cm Mucl	(A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		Thin Dark Surfac	ce (S9) (LR	R R, MLRA	149B)	Coast Pra	irie Redox (A16) (LRR K, L, R)
	istic (A3)	_	_ Loamy Mucky M			•		ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)	_	Loamy Gleyed N		(=, =,			ace (S7) (LRR K, L)
	d Layers (A5)			, ,				Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A		Redox Dark Sur					Surface (S9) (LRR K, L)
	,		_					
	ark Surface (A12)	_	_ Depleted Dark S	, ,				anese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)	_	_ Redox Depressi	ons (F8)				Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							edic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							nt Material (F21)
Stripped	d Matrix (S6)						Very Shall	ow Dark Surface (TF12)
Dark Su	ırface (S7) (LRR R, ML	.RA 149B)					Other (Exp	olain in Remarks)
21 1' 1								
	f hydrophytic vegetation	and wetland n	yarology must be pr	resent, unies	ss disturbed	or problem	natic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
	Gravel refusal at 6.							

Project/Site:	21028 Hoffman F	alls Wetland Delinea	tion C	City/County: Towns	of Eaton, Fenne	r, Nelson, and Smit	Sampling Date:	07/27/2023
Applicant/Owner:		Liberty	Renewables			State: New York		93-W004-3U
Investigator(s):		JB RS GH	S	Section, Township, F	ange: Towns o	of Eaton, Fenner, Nel	son, and Smithfie	id, Madison Count
Landform (hillslope, t	terrace, etc):	Hill slope	Local relie	ef (concave, convex	, none):	convex	Slope	e (%): 3-8
Subregion (LRR or M	ILRA): LRR R MLF	RA 244, LRR L MLRA	172 Lat:	42.9334044	Long:	-75.7038908	3 Datur	m: WGS 1984
Soil Map Unit Name:	:	Lansing gravelly	silt loam, 8 to 15	percent slopes		NWI classificatio	n:	
Are climatic / hydrolo	gic conditions on the	e site typical for this t	time of year? Y	es X N	o (If no	o, explain in Remarks	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly o	disturbed?	Are "Normal Ci	ircumstances" prese	nt? Yes	X No
Are Vegetation	, Soil	, or Hydrology	naturally prob	olematic?	(If needed, exp	olain any answers in	Remarks.)	
SUMMARY OF I	FINDINGS - Atta	ach site map sh	owing samp	ling point loca	tions, transe	cts, important i	features, etc.	
Hydrophytic Veget	ation Present?	Yes	No X	Is the Sa	mpled Area			
Hydric Soil Presen	nt?	Yes	No X	within a \	Wetland?	Yes	No X	
Wetland Hydrology	y Present?	Yes	No X	If yes, opt	ional Wetland Si			<u> </u>
		res here or in a sepa in active agriculture fi						
HYDROLOGY								
Wetland Hydrolog	av Indicators:							
1		equired; check all that	t annly)			Secondary Indica	tors (minimum of	two required)
Surface Water	,	quirou, orroon un urun	Water-Stained L	eaves (B9)		Surface Soil		
High Water Ta	` '		Aquatic Fauna (` ,		Drainage Pa	` '	
Saturation (A	` '	_	Marl Deposits (,		Moss Trim L		
Water Marks	,	_	Hydrogen Sulfid	,			Water Table (C2)	
Sediment De	` '			spheres on Living R	oots (C3)	Crayfish Bur	, ,	
Drift Deposits	. , ,		Presence of Re		()		isible on Aerial Im	agery (C9)
Algal Mat or 0	, ,			duction in Tilled Soil	s (C6)		tressed Plants (D	
Iron Deposits	, ,	_	Thin Muck Surfa		,		Position (D2)	,
	sible on Aerial Image	ery (B7)	Other (Explain i	` '		Shallow Aqu	,	
	etated Concave Sur		` .	,			aphic Relief (D4)	
		, ,				FAC-Neutral	Test (D5)	
Field Observation								
Surface Water Pre		s No X	Depth (inches	١.				
Water Table Prese		No X		·				
Saturation Present			Depth (inches)	·	Wotland Hy	drology Present?	Yes	No X
(includes capillary		, NOX	Deptil (illiches))	vvetianu ny	arology Fresent?	Tes	NO
(Includes capillary	milige)							
Describe Recorde	d Data (stream gauç	ge, monitoring well, a	erial photos, pre	vious inspections),	f available:			
Remarks:								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W004-3U **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 0 _____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species 0 x 3 = FAC species 15 x 4 = __ FACU species x 5 = UPL species 0 15 (A) Column Totals: 6. Prevalence Index = B/A = 4.0 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Plantago lanceolata / Ribwort, English plantain FACU 2 - Dominance Test is >50% FACU 2. Oxalis corniculata / Creeping wood sorrel 3 - Prevalence Index ≤3.01 3. Galium aparine / Cleavers, Goose grass 5 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 15 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W004-3U

	ription: (Describe to th	e depth nee			or confirm	the absen	ce of indicators	s.)			
•	Depth Matrix			Redox Features				Damada			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc²	Texture		Remark	(S	
0-12	10YR 3/3	100					Clay Loam	-			
								-			
				_			_				
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Locat	tion: PL=P	ore Lining, N	l=Matrix.	
Hydric Soil I	ndicators:						Indicators	for Probl	ematic Hydr	ic Soils³:	
Histosol	(A1)		Polyvalue Belov	w Surface (S	3) (LRR R ,	MLRA 1491	3) 2 cm l	Muck (A10) (LRR K, L	MLRA 149	B)
	ipedon (A2)						-	•	edox (A16) (
Black Hi				Thin Dark Surface (S9) (LRR R, MLRA 149B) Loamy Mucky Mineral (F1) (LRR K, L)					, , ,		-
	n Sulfide (A4)		Loamy Gleyed	. ,	(, -,		5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L)				
	Layers (A5)		Depleted Matrix				_		v Surface (S8		1.)
	l Below Dark Surface (A	.11)	Redox Dark Su						ce (S9) (LR	, -	_,
	rk Surface (A12)	,	Depleted Dark						e Masses (F1		(I D)
	lucky Mineral (S1)		Redox Depress						plain Soils (F		
			Redux Depless	ions (Fo)							
	leyed Matrix (S4)								A6) (MLRA	144A, 145,	1490)
	edox (S5)								erial (F21)	TE 40\	
	Matrix (S6)								ark Surface (IF12)	
Dark Su	face (S7) (LRR R, ML	RA 149B)					Other (Explain in Remarks)				
³ Indicators of	hydrophytic vegetation	and wetland	hvdrology must be p	resent. unles	s disturbed	or problem	atic.				
	ayer (if observed):		, 0, 1								
Type:	ayer (ii observeu).										
Depth (in	ahaa):						Hydric Soil Pr	rocont?	Yes	No	~
Deptil (iii							Tiyunc 30ii Fi	esent:			X
Remarks:											
	Gravel refusal at 12.										

Project/Site:	oject/Site: 21028 Hoffman Falls Wetland Delineation				City/County: Towns of Eaton, Fenner, Nelson, and Smitl Sampling Date: 07/27/2023						
Applicant/Owner:	Liberty Renewables							Sampling Point: 93-W004-3W			
Investigator(s):	,	JB RS GH	-	Section, 7	Township, Range		Eaton, Fenner, Ne			Madison Count	
Landform (hillslope,	terrace, etc):	Hill seep	Local r	elief (conca	ave, convex, none	e):	concave		Slope (%	5): 3-8	
Subregion (LRR or M	MLRA): LRR R MLR	A 244, LRR L M	LRA 172 Lat:	42.9	3344452	Long:	-75.7038906	6	Datum:	WGS 1984	
Soil Map Unit Name:	:	Appleto	on loam, 3 to 8 pe	rcent slope	es		NWI classification	n:	PSS1/E	M1Ed	
Are climatic / hydrolo	ogic conditions on the	e site typical for t	this time of year?	Yes >	K No	(If no,	explain in Remark	s.)			
Are Vegetation	, Soil	, or Hydrology _	significant	ly disturbed	d? Are	"Normal Cire	cumstances" prese	nt? Yes	s <u>X</u>	No	
Are Vegetation	, Soil	, or Hydrology _	naturally p	roblematic	? (If no	eeded, expla	ain any answers in	Remarks.)			
SUMMARY OF I	FINDINGS - Atta	ach site map	showing san	npling po	oint locations	s, transec	cts, important	features,	etc.		
Hydrophytic Veget	tation Present?	Yes X	(No _		Is the Sampled	l Area					
Hydric Soil Preser		Yes X		_	within a Wetla		Yes X	No			
Wetland Hydrology		Yes X		_	If yes, optional	Wetland Site	e ID:	93-W004-3V	N PEM		
Remarks: (Explain	n alternative procedu	res here or in a s	separate report.)								
HYDROLOGY											
Wetland Hydrolog	av Indicators:										
	(minimum of one re	quired: check all	that apply)				Secondary Indica	tors (minimu	ım of two	required)	
Surface Water			Water-Staine	d Leaves (I	B9)		Surface Soil				
High Water Ta	High Water Table (A2) Aquatic Fauna Aquatic Fauna				,		Drainage Patterns (B10)				
Saturation (A3) Marl Deposits							Moss Trim Lines (B16)				
Water Marks	(B1)	-	Hydrogen Su	ılfide Odor ((C1)		Dry-Season Water Table (C2)				
Sediment De	posits (B2)	·-	X Oxidized Rhiz	zospheres	on Living Roots (C3)	Crayfish Bu	rows (C8)			
Drift Deposits	s (B3)	·-	Presence of I	Reduced Ire	on (C4)		Saturation V	isible on Aer	rial Image	ery (C9)	
Algal Mat or 0	Crust (B4)	·-	Recent Iron F	Reduction in	n Tilled Soils (C6)	Stunted or S	tressed Plar	nts (D1)		
Iron Deposits	s (B5)		Thin Muck Su	urface (C7)			Geomorphic	Position (D2	2)		
Inundation Vi	sible on Aerial Image	ery (B7)	Other (Explai	in in Remar	rks)		Shallow Aqu	itard (D3)			
Sparsely Veg	etated Concave Sur	face (B8)					X Microtopogr	aphic Relief	(D4)		
							X FAC-Neutra	Test (D5)			
Field Observation	ne.										
Surface Water Pre		No 2	X Depth (inch	ies).							
Water Table Prese		No Z									
Saturation Present			X Depth (inch		w	etland Hvd	rology Present?	Yes	X N	No	
(includes capillary		110	Z Dopar (more			ctiana mya	nology i resemi.	100			
(morados sapinary											
Describe Recorde	d Data (stream gaug	je, monitoring wε	ell, aerial photos, p	orevious ins	spections), if avai	lable:					
Remarks:											

VEGETATION - Use scientific names of plants. Sampling Point: 93-W004-3W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: _____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 100 x 1 = 100 Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = 0 FACW species 0 ____ x 3 = ___ FAC species _ x 4 = 0 FACU species 0 UPL species x 5 = __ (A) 100 Column Totals: 6. Prevalence Index = B/A = 1.0 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) X 1 - Rapid Test for Hydrophytic Vegetation 80 X 2 - Dominance Test is >50% 1. Carex vulpinoidea / Fox sedge, Brown fox sedge OBL Yes 10___ 2. Scirpus atrovirens / Green bulrush OBL X 3 - Prevalence Index ≤3.0¹ 3. Juncus effusus / Common bog rush, Soft or lamp rush 10 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 100 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W004-3W

Profile Description	ription: (Describe to the Matrix	ne depth neede		e indicator	or confirm	the abser	nce of indicators	.)
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-4	7.5YR 3/2	95	10YR 4/6	5	C	PL	Silty Clay	Remains
4-10		90	10YR 5/6	10		M,PL	Clay Loam	
4-10	10YR 4/1	90	10113/0	10		IVI,PL	Clay Loaili	_
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduce	d Matrix, MS=Mask	ed Sand Gra	ains.		²Locati	on: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils³:
Histosol	(A1)		Polyvalue Below	Surface (S8	3) (LRR R ,	MLRA 149	B) 2 cm N	fuck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	Thin Dark Surfac					Prairie Redox (A16) (LRR K, L, R)
Black Hi		_	Loamy Mucky M					flucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed N	, , ,	. , -,			urface (S7) (LRR K, L)
	Layers (A5)	X		. ,				lue Below Surface (S8) (LRR K, L)
	I Below Dark Surface (A		-					ark Surface (S9) (LRR K, L)
	rk Surface (A12)	···/ <u>-</u>	Depleted Dark S					anganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)	_	Redox Depressi	. ,				ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	_	_ Redox Depressi	0113 (1 0)				Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)							hallow Dark Surface (TF12)
	face (S7) (LRR R, ML	DA 140D)						Explain in Remarks)
Daik Sui	iace (37) (LKK K, WIL	KA 143D)					Other (Explain in Kemarks)
³ Indicators of	hydrophytic vegetation	and wetland hy	drology must be pr	esent, unles	s disturbed	l or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):		<u> </u>				Hydric Soil Pre	esent? Yes X No No
Remarks:								

Project/Site:	21028 Hoffman	Falls Wetland Deline	eation	City/Cou	inty: Towns of Eato	on, Fenner,	Nelson, and Smit	Sampling Dat	te: 07/25/2023
Applicant/Owner:		Liber	ty Renewables	•	-		ate: New York		
Investigator(s):		RN RS		Section,	Township, Range:	Towns of I	Eaton, Fenner, Ne	lson, and Smit	hfield, Madison Count
Landform (hillslope, t	terrace, etc):	Hillslope	Local re	elief (cond	ave, convex, none):	convex	S	lope (%): 5-10
Subregion (LRR or M	/ILRA): LRR R ML	RA 244, LRR L MLF	RA 172 Lat:			Long:		D	atum: WGS 1984
Soil Map Unit Name:	<u> </u>	Mardin channer	ry silt loam, 8 to	15 percer	nt slopes		NWI classification	on:	
Are climatic / hydrolo	•		•			(If no,	explain in Remark	s.)	
Are Vegetation						Normal Circ	cumstances" prese	nt? Yes	X No
		_, or Hydrology				-	in any answers in	•	
SUMMARY OF I	FINDINGS - At	tach site map s	howing sam	npling p	oint locations	, transec	ts, important	features, et	tc.
Hydrophytic Veget	ation Present?	Yes	NoX		Is the Sampled	Area			
Hydric Soil Presen	ıt?	Yes	NoX	_	within a Wetlan	id?	Yes	No	X
Wetland Hydrology	y Present?	Yes	NoX_	_	If yes, optional V	Vetland Site	: ID:		
Remarks: (Explain	alternative proced	dures here or in a sep	parate report.)						
HYDROLOGY									
Wetland Hydrolog	gy Indicators:								
Primary Indicators	(minimum of one	required; check all th	at apply)				Secondary Indica	ntors (minimum	n of two required)
Surface Water	r (A1)	_	Water-Staine	d Leaves	(B9)		Surface Soil	Cracks (B6)	
High Water Ta	able (A2)	_	_ Aquatic Faun	a (B13)			Drainage Pa	itterns (B10)	
Saturation (A	.3)	_	_ Marl Deposits	s (B15)			Moss Trim L	ines (B16)	
Water Marks	(B1)	_	Hydrogen Su	lfide Odor	(C1)		Dry-Season	Water Table (0	C2)
Sediment De	posits (B2)	_	_	•	on Living Roots (C	C3)	Crayfish Bur	, ,	
Drift Deposits	. ,	_	Presence of F		` ,				l Imagery (C9)
Algal Mat or 0	. ,	_	_		in Tilled Soils (C6)			stressed Plants	, ,
Iron Deposits	, ,	_	_ Thin Muck Su					Position (D2)	
	sible on Aerial Ima		Other (Explain	n in Rema	arks)		Shallow Aqu	, ,	
Sparsely Veg	jetated Concave Si	urface (B8)					Microtopogra FAC-Neutral	aphic Relief (D	14)
							I AC-Neulia	i lest (D3)	
Field Observation	ns:								
Surface Water Pre		es No <u>X</u>	_ ' '	· —					
Water Table Prese		es NoX	_ · ·	· —					
Saturation Present		es No <u>X</u>	Depth (inche	es):	We	etland Hydr	rology Present?	Yes	No <u>X</u>
(includes capillary	fringe)								
Describe Recorde	d Data (stream gar	uge, monitoring well,	aerial photos, p	orevious in	spections), if availa	able:			
20002011.000.00	a Data (ottoani gat	.go,ogo,	шения ристее, р		,				
Remarks:									
1									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W005-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet) % Cover Species? Status **Total Number of Dominant** Picea abies / Norway spruce Species Across All Strata: 6 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 30 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 5 ___ x 2 = __ FACW species 25 ___ x 3 = __ FAC species FACU species 20 x 4 = x 5 = UPL species 50 250 100 (A) Column Totals: 6. Prevalence Index = B/A = 4.15**Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 1. Galium / Bedstraw 25 FAC 2 - Dominance Test is >50% Yes 2. Asclepias syriaca / Common milkweed **UPL** 3 - Prevalence Index ≤3.01 Yes FACU 4 - Morphological Adaptations1 (Provide supporting 3. Oxalis corniculata / Creeping wood sorrel 10 10 Yes NI Problematic Hydrophytic Vegetation¹ (Explain) 4. Valeriana officinalis / Garden valerian 10 Yes FACU 5. Taraxacum officinale / Red seeded dandelion, Common dan 6. Mentha arvensis / American wild mint, Field mint 5 **FACW** ¹Indicators of hydric soil and wetland hydrology must 7. __ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W005-1U

	ription: (Describe to th	e depth nee			or commit	ine abser	nce of indicators.)	
Depth	Matrix			x Features	T 1		- .	B
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-12	10YR 3/2	100					Sity Clay Loam	
							·	
								_
				_				
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil II	ndicators:						Indicators fo	or Problematic Hydric Soils³:
Histosol	(A1)		Polyvalue Belov	w Surface (S	3) (LRR R.N	ILRA 149		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Surfa	,			· —	rairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky N			1400)		ucky Peat or Peat (S3) (LRR K, L, R)
	, ,		Loamy Gleyed	. ,	(LIXIX IX, L)			rface (S7) (LRR K, L)
	n Sulfide (A4)			, ,				. , .
	d Layers (A5)		Depleted Matrix					ue Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	A11)	Redox Dark Su					rk Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Dark					nganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depress	ions (F8)			Piedmoi	nt Floodplain Soils (F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy R	Redox (S5)						Red Par	ent Material (F21)
Stripped	Matrix (S6)						Very Sh	allow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other (E	Explain in Remarks)
							<u> </u>	
³ Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	or problen	natic.	
Restrictive L	.ayer (if observed):							
Type:	.,							
Depth (in	chee).						Hydric Soil Pres	sent? Yes No X
Depti (iii							Tiyunc oon i res	NO X
Remarks:								
	Gravel refusal at 12in							

Project/Site:	21028 Hoffmar	n Falls Wetland De	lineation	City/Count	y: Towns of Eat	on, Fenne	r, Nelson, and Smit	Sampling Date:	07/25/2023
Applicant/Owner:		Li	berty Renewables	-	-	S	state: New York	Sampling Point:	93-W005-1W
Investigator(s):		RN RS		Section, To	ownship, Range:	Towns o	of Eaton, Fenner, Ne	elson, and Smithfie	∍ld, Madison Count
Landform (hillslope,	terrace, etc):	Bowl shaped depi	ression Local re	elief (concav	e, convex, none	e):	concave	Slop	e (%): 5-10
Subregion (LRR or N	VILRA): LRR R M	ILRA 244, LRR L N	/ILRA 172 Lat:	42.94	1065017	Long:	-75.733895	17 Datu	ım: WGS 1984
Soil Map Unit Name:	:	Mardin chan	nery silt loam, 8 to	15 percent	slopes		NWI classification	on:	-
Are climatic / hydrolo	ogic conditions on	the site typical for	this time of year?	Yes X	No	(If no	o, explain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantl	y disturbed?	? Are "	'Normal Ci	ircumstances" prese	ent? Yes	X No
Are Vegetation	, Soil	, or Hydrology	naturally p	roblematic?	(If ne	eded, exp	lain any answers in	Remarks.)	
SUMMARY OF	FINDINGS - A	ttach site map	showing sam	pling po	int locations	, transe	cts, important	features, etc.	
Hydrophytic Veget	tation Present?	Yes	X No		Is the Sampled	Area			
Hydric Soil Preser		Yes	X No		within a Wetlan		Yes X	No	
Wetland Hydrolog	y Present?	Yes	X No	_	If yes, optional V	Netland Si	te ID:	93-W001-1W PE	<u>M</u>
	n alternative proce EN ISSUES: Multip		separate report.) odate in webmap a	nd wildnote	with new wetlan	d number.			
HYDROLOGY									
Wetland Hydrolo	gy Indicators:								
Primary Indicators	0,	required: check a	ll that apply)				Secondary Indica	ators (minimum of	two required)
Surface Wate	`		Water-Stained	d Leaves (B	9)			l Cracks (B6)	
High Water T	` '		Aquatic Faun	a (B13)	,			atterns (B10)	
Saturation (A	(3)		Marl Deposits				Moss Trim I		
Water Marks	(B1)		Hydrogen Sul	fide Odor (0	C1)		Dry-Season	Water Table (C2))
Sediment De	posits (B2)		X Oxidized Rhiz	ospheres o	n Living Roots (0	C3)	Crayfish Bu	rrows (C8)	
Drift Deposits	s (B3)		Presence of F	Reduced Iro	n (C4)		Saturation \	/isible on Aerial Ir	nagery (C9)
Algal Mat or	Crust (B4)		Recent Iron R	Reduction in	Tilled Soils (C6)	1	Stunted or S	Stressed Plants (D	01)
Iron Deposits	s (B5)		Thin Muck Su	ırface (C7)			Geomorphic	Position (D2)	
Inundation Vi	isible on Aerial Ima	agery (B7)	Other (Explain	n in Remark	(s)		Shallow Aq	uitard (D3)	
Sparsely Veg	getated Concave S	Surface (B8)					Microtopogi	raphic Relief (D4)	
							X FAC-Neutra	I Test (D5)	
Field Observation	ne.								
Surface Water Pre		′es No	X Depth (inche	es).					
Water Table Prese			X Depth (inche						
Saturation Presen		es No	X Depth (inche	<i>'</i> —	w	etland Hv	drology Present?	Yes X	No
(includes capillary				/					
. ,									
Describe Recorde	d Data (stream ga	auge, monitoring w	ell, aerial photos, p	revious insp	pections), if avail	able:			
Domarko:									
Remarks:									
1									

VEGETATION - Use scientific names of plants. Sampling Point: 93-W005-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 5____(A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 5 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = 0 Sapling/Shrub Stratum (Plot size: ___ 15 Feet 45 x 2 = ___ FACW species 1. Viburnum lentago / Nanny-berry 55 ___ x 3 = ___ 165 FAC species 0 x 4 = FACU species UPL species 10 x 5 = 110 (A) Column Totals: 6. Prevalence Index = B/A = 2.77 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: ____ 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Symphyotrichum prenanthoides / Crooked-stem american-as 20 FAC X 2 - Dominance Test is >50% Yes 2. Mentha arvensis / American wild mint, Field mint **FACW** X 3 - Prevalence Index ≤3.0¹ Yes FACW 4 - Morphological Adaptations1 (Provide supporting 3. Onoclea sensibilis / Sensitive fern 15 4. Ranunculus acris / Acrid buttercup 15 FAC Problematic Hydrophytic Vegetation¹ (Explain) Yes UPL 10 No 5. Asclepias syriaca / Common milkweed 6. Euthamia graminifolia / Flat-top goldentop 10 FAC ¹Indicators of hydric soil and wetland hydrology must **FACW** be present, unless disturbed or problematic. 7. Solidago gigantea / Smooth goldenrod 8. Solidago gigantea / Smooth goldenrod **FACW Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 100 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W005-1W

	iption: (Describe to th	e depth neede			or confirm	the abse	nce of indicators	s.)
Depth	Matrix			Features			_	
(inches)	Color (moist)		Color (moist)	<u></u>	Type ¹	Loc²	Texture	Remarks
0-18	10Y 4/1	95	2.5YR 4/6	5	C	M,PL	Slty Clay Loam	
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduced	Matrix, MS=Maske	ed Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil II	ndicators:						Indicators	for Problematic Hydric Soils³:
Histosol			Polyvalue Below	Surface (S8	N (I PP P	MI PA 140		Muck (A10) (LRR K, L, MLRA 149B)
_	, ,	_		•				
	ipedon (A2)		Thin Dark Surface					Prairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky Min		LRR K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed Ma					Surface (S7) (LRR K, L)
	Layers (A5)	X						alue Below Surface (S8) (LRR K, L)
Depleted	Below Dark Surface (A	.11)	Redox Dark Surfa	ace (F6)			Thin D	eark Surface (S9) (LRR K, L)
Thick Da	rk Surface (A12)		Depleted Dark Su	ırface (F7)			Iron-M	anganese Masses (F12) (LRR K, L, R)
Sandy M	ucky Mineral (S1)		Redox Depressio	ns (F8)			Piedm	ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)						Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)						Red P	arent Material (F21)
_	Matrix (S6)							Shallow Dark Surface (TF12)
	face (S7) (LRR R, ML	RA 149R)						(Explain in Remarks)
Bark Gar	idoc (or) (Errit It, IIIE	1400)						(Explain in Remains)
³Indicators of	hydrophytic vegetation	and wetland hyd	drology must be pre	esent, unles	s disturbed	d or probler	matic.	
Restrictive L	ayer (if observed):							
Type:	,							
Depth (inc	ches):		- -				Hydric Soil Pr	esent? Yes X No
Remarks:								
Remarks.								

Project/Site:	21028 Hoffman F	alls Wetland Delinea	ation (City/County:	: Towns of Eato	n, Fenner, N	Nelson, and Smit	Sampling Da	ite:	07/26/2023
Applicant/Owner:		Liberty	/ Renewables				te: New York			93-W006-1U
Investigator(s):		RN RS		Section, Tow	vnship, Range:	Towns of E	Eaton, Fenner, Ne	lson, and Smi	thfield,	Madison Count
Landform (hillslope, t	terrace, etc):	Flat	Local reli	ief (concave	, convex, none):	:	none	5	Slope (9	%): 0
Subregion (LRR or M	ILRA): LRR R MLF	RA 244, LRR L MLRA				Long:	-75.731844		Datum:	WGS 1984
Soil Map Unit Name:		Mardin channery	silt loam, 8 to 1	5 percent sl	opes		NWI classification	on:		
Are climatic / hydrolo	gic conditions on th	e site typical for this	time of year? `	Yes X	No	(If no, e	explain in Remark	s.)		
Are Vegetation					Are "N	Normal Circu	umstances" prese	nt? Yes	X	No
Are Vegetation	, Soil	, or Hydrology	naturally pro	oblematic?	(If nee	eded, explai	in any answers in	Remarks.)		
SUMMARY OF I	FINDINGS - Att	ach site map sh	owing samp	pling poin	nt locations,	transect	ts, important t	features, e	tc.	
Hydrophytic Veget	ation Present?	Yes	No X	Is	the Sampled	Area				
Hydric Soil Presen	ıt?	Yes	No X	_ w	ithin a Wetland	d?	Yes	No	Χ	
Wetland Hydrology	y Present?	Yes	No X	_ If	yes, optional W	etland Site	ID:			
		ures here or in a sepa of bowl shaped depre								
HYDROLOGY										
Wetland Hydrolog	av Indicators:									
1		equired; check all tha	t apply)				Secondary Indica	ntors (minimur	n of two	required)
Surface Wate	,	zquirou, orrook un triu	Water-Stained	Leaves (B9))			Cracks (B6)	11 01 111	o roquirou)
High Water Ta	` '		Aquatic Fauna	` '	,		Drainage Pa	` '		
Saturation (A	` '		Marl Deposits (` '			Moss Trim L			
Water Marks	(B1)	_	Hydrogen Sulfic	ide Odor (C1	1)		Dry-Season	Water Table ((C2)	
Sediment Dep	posits (B2)		Oxidized Rhizo	ospheres on	Living Roots (C	3)	Crayfish Bur	rows (C8)		
Drift Deposits	; (B3)	_	Presence of Re	educed Iron	(C4)		Saturation V	isible on Aeria	al Imag	ery (C9)
Algal Mat or 0	Crust (B4)	_	Recent Iron Re	eduction in T	illed Soils (C6)		Stunted or S	Stressed Plant	s (D1)	
Iron Deposits	(B5)		Thin Muck Surf	face (C7)			Geomorphic	Position (D2))	
Inundation Vis	sible on Aerial Imag	jery (B7)	Other (Explain	in Remarks))		Shallow Aqu	itard (D3)		
Sparsely Veg	etated Concave Sur	rface (B8)					Microtopogra	aphic Relief (I	D4)	
							FAC-Neutra	Test (D5)		
Field Observation										
Surface Water Pre		s No X	Depth (inches	s):						
Water Table Prese		s No X	- ' '	, 						
Saturation Present			Depth (inches	′ —	Wet	tland Hydro	ology Present?	Yes		No X
(includes capillary			_ ' `	/						
Describe Recorded	d Data (stream gau	ge, monitoring well, a	erial photos, pre	evious inspe	ections), if availa	ble:				
Remarks:										
T tomanio.										

VEGETATION - Use scientific names of plants. Sampling Point: 93-W006-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: ____1 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. 7____ (B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 15 ___ x 3 = __ FAC species x 4 = FACU species 40 160 UPL species 25 x 5 = __ 125 (A) ___ Column Totals: 6. Prevalence Index = B/A = 4.13 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation 1. Symphyotrichum prenanthoides / Crooked-stem american-as FAC 15 2 - Dominance Test is >50% Yes 2. Rubus / Blackberry NI 3 - Prevalence Index ≤3.01 3. Daucus carota / Carrot, Carrot, Queen anne's lace Yes UPL 4 - Morphological Adaptations1 (Provide supporting FACU Problematic Hydrophytic Vegetation¹ (Explain) 4. Trifolium pratense / Red clover 10 Yes 10 FACU 5. Achillea millefolium / Yarrow Yes 6. Parthenocissus quinquefolia / Virginia creeper 10 FACU ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. Fragaria virginiana / Mountain strawberry FACU 8. _ **Definitions of Vegetation Strata** 9. 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W006-1U

	ription: (Describe to th	ne depth neede			or confirm	the absen	ce of indicators.))
Depth	Matrix			Features				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-4	10YR 4/4						Silt Loam	
	-							
-								
-								
¹Type: C=Coı	ncentration, D=Depletio	n, RM=Reduced	l Matrix, MS=Mask	ed Sand Gr	ains.		²Locatio	on: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils³:
Histosol			Polyvalue Below	Surface (S8	3) (LRR R.	MLRA 149	B) 2 cm M	uck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)	·	Thin Dark Surfac	,	, -		· —	Prairie Redox (A16) (LRR K, L, R)
	stic (A3)	-	Loamy Mucky M			,		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	-	Loamy Gleyed M		, ,			urface (S7) (LRR K, L)
	d Layers (A5)	·	Depleted Matrix					ue Below Surface (S8) (LRR K, L)
_	d Below Dark Surface (A		Redox Dark Surf					ark Surface (S9) (LRR K, L)
_	ark Surface (A12)		Depleted Dark S					anganese Masses (F12) (LRR K, L, R)
_	lucky Mineral (S1)	·	Redox Depression					ont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)	·		(Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)							rent Material (F21)
	Matrix (S6)							nallow Dark Surface (TF12)
	rface (S7) (LRR R, ML	RA 149B)						Explain in Remarks)
	······ (-·) (-·····, ···-	,						
³ Indicators of	hydrophytic vegetation	and wetland hyd	drology must be pr	esent, unles	s disturbed	or problem	natic.	
Restrictive L	.ayer (if observed):							
Type:	.,							
Depth (in	ches):		_				Hydric Soil Pre	sent? Yes NoX_
Damanika								
Remarks:	Gravel refusal at 4 inch	es						
	J. 4. 7. 1. 5. 4. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.							

Project/Site:	21028 Hoffman F	alls Wetland Deline	eation	City/Cou	nty: Towns of Eat	ton, Fenner,	Nelson, and Smit	Sampling Date	e: 07/26/2	2023
Applicant/Owner:		Libe	rty Renewables		-		ate: New York)6-1W
Investigator(s):		RN RS	-	Section,	Township, Range	: Towns of	Eaton, Fenner, Nel	son, and Smith	nfield, Madiso	n Count
Landform (hillslope,	terrace, etc): B	owl shaped depres	sion Local re	elief (conc	ave, convex, none	e):	concave	SI	ope (%): 6	6-11
Subregion (LRR or M							-75.731812	2 Da	atum: WGS	3 1984
Soil Map Unit Name:		Mardin channe	ry silt loam, 8 to	15 percer	nt slopes		NWI classification	n:		
Are climatic / hydrolo	gic conditions on th	e site typical for thi	s time of year?	Yes	X No	(If no,	explain in Remarks	s.)		
Are Vegetation	, Soil	, or Hydrology	significantl	ly disturbe	d? Are	"Normal Circ	cumstances" prese	nt? Yes	X No	
Are Vegetation	, Soil	, or Hydrology	naturally p	roblematio	? (If n	eeded, expla	ain any answers in	Remarks.)		
SUMMARY OF I	FINDINGS - Atta	ach site map s	howing sam	npling p	oint locations	s, transec	ts, important	features, et	c.	
Hydrophytic Veget	tation Present?	Yes X	No		Is the Sampled	d Area				
Hydric Soil Preser	nt?	Yes X	No		within a Wetla	nd?	Yes X	No		
Wetland Hydrology	y Present?	Yes X	No	_	If yes, optional	Wetland Site	e ID:	93-W006-1W	PEM	
	n alternative procedu in middle of mowed		parate report.)							
HYDROLOGY										
Wetland Hydrolog	av Indicators:									
1	gy mulcators. s (minimum of one re	aguired: check all th	nat apply)				Secondary Indica	tore (minimum	of two requir	ed)
X Surface Water	,	Adulted, criccit all ti	Water-Staine	d Leaves	(R9)		Surface Soil	•	or two require	<u>cu)</u>
High Water Ta	` ,	_	Aquatic Faun		(50)		Drainage Pa	` '		
Saturation (A	` '	_	Marl Deposits	` '			Moss Trim L			
Water Marks	,	_	Hydrogen Su	` '	(C1)			Water Table (0	(2)	
Sediment De	` '	_			on Living Roots ((C3)	Crayfish Bur	•	/	
Drift Deposits		_	Presence of F	•	•	,,		isible on Aerial	Imagery (C9))
Algal Mat or 0	• •		-		in Tilled Soils (C6	.)		tressed Plants		,
Iron Deposits	• •	_	Thin Muck Su		,	,	X Geomorphic		,	
	isible on Aerial Imag	 jery (B7)	Other (Explai	,	•		Shallow Aqu	. ,		
	jetated Concave Sur		_ ` `		,			aphic Relief (D	4)	
							X FAC-Neutral	Test (D5)		
Field Observation										
Surface Water Pre		s X No	Depth (inch	ec).	1					
Water Table Prese		s No No		· —						
Saturation Present					\ w	lotland Hydi	rology Present?	Ves	No	
(includes capillary		, NO	Deptil (illicil	es)	* '	recialiu riyul	lology Fresent?	Yes	110	
(Includes capillary	minge)									
Describe Recorde	d Data (stream gauç	ge, monitoring well,	, aerial photos, p	orevious in	spections), if avai	ilable:				
Remarks: Too r	much gravel to dig m	nore than 4" of soil								

VEGETATION - Use scientific names of plants. Sampling Point: 93-W006-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 55 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 10 x 2 = FACW species 0 ____ x 3 = ___ FAC species 0 x 4 = FACU species 0 x 5 = UPL species 65 (A) Column Totals: 6. Prevalence Index = B/A = 1.15 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet X 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 1. Eleocharis acicularis / Needle spikerush 20 OBL Yes 2. Sparganium angustifolium / Narrow leaved bur reed, Narrow OBL X 3 - Prevalence Index ≤3.0¹ 15 Yes OBL 4 - Morphological Adaptations1 (Provide supporting 3. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai 4. Phalaris arundinacea / Reed canary grass 10 **FACW** Problematic Hydrophytic Vegetation¹ (Explain) No 6. ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 65 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 93-W006-1W

Profile Desc Depth	ription: (Describe to th Matrix	e depth nee		he indicator x Features	or confirm	the absen	ce of indicators	s.)		
(inches)	Color (moist)	%	Color (moist)	x realures %	Type ¹	Loc²	Texture		Remarks	
0-4	10YR 4/1	98	5YR 5/6	2	C	PL	Clay Loam		Remarks	
U- 4	1011(4/1		311(3/0			- FL	Clay Loain			
	· -						·			
	·									
	·									
	· - 									
	· - 									
	·									
	·									
	·									
	- <u></u>									
¹Type: C=Coı	ncentration, D=Depletior	n, RM=Reduc	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=P	Pore Lining, M=Ma	trix.
Hydric Soil I	ndicators:						Indicators	for Probl	ematic Hydric So	oils³:
Histosol	(A1)		Polyvalue Belov	w Surface (St	3) (LRR R, l	MLRA 149	B) 2 cm l	Muck (A10) (LRR K, L, MLI	RA 149B)
	pipedon (A2)	•	Thin Dark Surfa	•	, -		· —	•	edox (A16) (LRR	-
	istic (A3)	-	 Loamy Mucky N	. , .		,			at or Peat (S3) (L	
	en Sulfide (A4)	-	Loamy Gleyed I		. , ,				57) (LRR K, L)	. , ,
	d Layers (A5)	-	X Depleted Matrix						v Surface (S8) (L	RR K. L)
	d Below Dark Surface (A	-	Redox Dark Su						ce (S9) (LRR K,	
	ark Surface (A12)	···,	Depleted Dark S						e Masses (F12)	-
	/lucky Mineral (S1)	-	Redox Depress						plain Soils (F19) (
	Gleyed Matrix (S4)	-		(. 0)					A6) (MLRA 144	
	Redox (S5)								erial (F21)	1, 110, 1102,
	Matrix (S6)								ark Surface (TF12	`
	rface (S7) (LRR R, ML	RA 149R)							n Remarks)	,
Dark ou	mace (O7) (LIXIX IX, IML	IVA 143D)					Other	(Explain ii	ii Kemarka)	
3Indicators of	hydrophytic vegetation	and wetland	hvdrology must be p	resent unles	s disturbed	or problem	natic			
			,							
	_ayer (if observed):									
Type:										
Depth (in	iches):						Hydric Soil Pi	resent?	Yes X	No
Remarks:										
	Gravel refusal at 4 inche	es								

Project/Site:	21028 H	Hoffman Falls		City/Cour	nty: Town of E	aton, Madison	County, New York	Sampling I	Date:	10/04/2021
Applicant/Owner:		Liber	rty Renewables	,			ate: New York		_	01-W002-1U
Investigator(s):		MA, KC	,	Section,	Township, Ran	ge:	Tov	n of Eaton	_	
Landform (hillslope, terra	.ce, etc):	Hillslope	Local re	elief (conca	ave, convex, no	one):	convex		Slope (%): 0-3
Subregion (LRR or MLRA	٩):	LRR R	Lat:	42.9	92303318	Long:	-75.6541599	4	Datum:	WGS 1984
Soil Map Unit Name:		(Cazenovia silt lo	am			NWI classificatio	n:		
Are climatic / hydrologic o	conditions on the	site typical for thi	s time of year?	Yes >	X No	(If no,	_ , explain in Remarks	s.)		
Are Vegetation	, Soil ,	or Hydrology	significantly	y disturbed	d? A	re "Normal Cir	cumstances" prese	nt? Ye	es X	No
Are Vegetation	, Soil ,	or Hydrology	naturally pr	roblematic	? (I	needed, expl	ain any answers in	Remarks.)	<u></u>	
SUMMARY OF FINI	DINGS - Atta	ch site map s	howing sam	pling p	oint locatio	ns, transed	cts, important f	eatures,	etc.	
Hydrophytic Vegetation	n Present?	Yes	No X		Is the Samp	led Area	<u>-</u>			
Hydric Soil Present?		Yes	No X	_	within a Wet		Yes	No	X	
Wetland Hydrology Pre	esent?	Yes	No X	_		al Wetland Sit				
				_	,,					
Remarks: (Explain alte Upland po	ernative procedure oint for W02.	es here or in a se	parate report.)							
HYDROLOGY										
Wetland Hydrology In										
Primary Indicators (mir		uired: check all th	nat annly)				Secondary Indica	tors (minim	num of tw	o required)
Surface Water (A1		dired, offeet dir tr	Water-Stained	d Leaves (R9)		Surface Soil			o required)
High Water Table	,	_	Aquatic Faun	,	20)		Drainage Pa	•	,	
Saturation (A3)	(* 12)	_	Marl Deposits	. ,			Moss Trim L		')	
Water Marks (B1)		_	Hydrogen Sul	` '	(C1)		Dry-Season	` '	e (C2)	
Sediment Deposit		_			on Living Root	s (C3)	Crayfish Bur		0 (02)	
Drift Deposits (B3	` '	_	Presence of F	•	-	· (00)	Saturation V		erial Imad	gery (C9)
Algal Mat or Crust	•	_	_		n Tilled Soils (0	26)	Stunted or S			
Iron Deposits (B5)	, ,		Thin Muck Su		•	,	Geomorphic			
Inundation Visible	•	ry (B7)	Other (Explain				Shallow Aqu	`	,	
Sparsely Vegetate	-		_ ` `		,		Microtopogra	. ,	f (D4)	
		. ,					FAC-Neutral	Test (D5)	. ,	
Field Observations										
Field Observations: Surface Water Present	12 Voc	No X	Donth (inch	oo).						
Water Table Present?	-	No X	_ ' '	· —						
Saturation Present?	Yes	No X	_ ' '	· —	 -	Wotland Hyd	Irology Present?	Yes		No X
(includes capillary fring	-	NO	Deptil (ilicité		 -	welland nyu	irology Fresent?	165		NO
(includes capillary ining	<u> </u>									
Describe Recorded Da	ıta (stream gauge	e, monitoring well,	aerial photos, p	revious ins	spections), if a	/ailable:				
Damarka										
Remarks:										

VEGETATION - Use scientific names of plants. Sampling Point: 01-W002-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus americana / White ash FACU Species Across All Strata: (B) 20 FACU 2. Acer saccharum / Sugar maple Yes 3. Prunus serotina / Black cherry No **FACU** 5 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 55 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 ___ x 2 = __ FACW species 1. Cornus racemosa / Gray dogwood 5 x 3 = FAC species FACU species 60 x 4 = UPL species 0 x 5 = (A) Column Totals: 65 5. 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet ___) 1 - Rapid Test for Hydrophytic Vegetation 1. Fraxinus americana / White ash 2 - Dominance Test is >50% 3 - Prevalence Index ≤3.01 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 4. 5. 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W002-1U

	ription: (Describe to th	e depth neede			or confirm	the absen	nce of indicators.)	
Depth	Matrix			Features				
(inches)	Color (moist)	<u> </u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/3	100					Silt Loam	
¹Type: C=Cor	ncentration, D=Depletion	n, RM=Reduce	d Matrix, MS=Mask	ed Sand Gra	ains.		²Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators fo	or Problematic Hydric Soils³:
Histosol			Polyvalue Below	Surface (SS	2) /I DD D	MI DA 140		uck (A10) (LRR K, L, MLRA 149B)
	` '			•	,			
	ipedon (A2)		_ Thin Dark Surfac	. , .		149B)		rairie Redox (A16) (LRR K, L, R)
Black His	, ,		_ Loamy Mucky M		LKK K, L)			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		_ Loamy Gleyed M					rface (S7) (LRR K, L)
	Layers (A5)		_ Depleted Matrix					ue Below Surface (S8) (LRR K, L)
Depleted	l Below Dark Surface (A	.11)	Redox Dark Surf				Thin Da	rk Surface (S9) (LRR K, L)
Thick Da	rk Surface (A12)		Depleted Dark S	urface (F7)			Iron-Mai	nganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depression	ons (F8)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)						Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)						Red Par	rent Material (F21)
	Matrix (S6)							allow Dark Surface (TF12)
	face (S7) (LRR R, ML	RA 149B)						Explain in Remarks)
	(2.) (2	,					(2	z.p.a temane,
³ Indicators of	hydrophytic vegetation	and wetland hy	drology must be pr	esent, unles	s disturbed	or problem	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):		_				Hydric Soil Pres	sent? Yes NoX
Remarks:								
Romans.								

Project/Site:	21028 F	Hoffman Falls		City/Count	y: Town of Eato	on, Madison	County, New York	Sampling D	ate: 10/04/2021
Applicant/Owner:			ty Renewables	- ,	,		ate: New York		-
Investigator(s):		MA, KC	•	Section, To	ownship, Range	 e:	Tov	vn of Eaton	
Landform (hillslope, terr	race, etc):	Depression	Local r	elief (concav	ve, convex, none	ıe):	concave		Slope (%): 0-3
Subregion (LRR or MLR		LRR R	Lat:	42.92	2319524	Long:	-75.6543825	9	Datum: WGS 198
Soil Map Unit Name:			Cazenovia silt lo	oam			NWI classificatio	n:	
Are climatic / hydrologic	conditions on the	site typical for thi	s time of year?	Yes X	No	(If no,	explain in Remarks	s.)	
Are Vegetation	, Soil ,	or Hydrology	significantl	ly disturbed?	? Are	"Normal Circ	cumstances" prese	nt? Yes	s X No
Are Vegetation	, Soil ,	or Hydrology	naturally p	roblematic?	(If n	needed, expla	ain any answers in	Remarks.)	
SUMMARY OF FIN	NDINGS - Atta	ch site map s	howing san	npling po	int locations	s, transec	ts, important f	eatures,	etc.
Hydrophytic Vegetation	on Present?	Yes X	No		Is the Sampled	d Area	•		
Hydric Soil Present?		Yes X	No		within a Wetla		Yes X	No	
Wetland Hydrology P	resent?	Yes X	No		If yes, optional	Wetland Site	= ID:	W002-1	IW
, 3,									
Remarks: (Explain alt PFO wit		res here or in a sep om trees (Acer sac		ng in upland	area.				
HYDROLOGY									
Wetland Hydrology	Indicators:								
Primary Indicators (m		quired: check all th	at apply)				Secondary Indica	tore (minim	ım of two required)
Surface Water (A	-	Julica, cricck all til	Water-Staine	d Leaves (B	(9)		Surface Soil		
High Water Table	,	_	Aquatic Faun	`	J		Drainage Pa	, ,	
Saturation (A3)	J (1 L)	_	Marl Deposits	. ,			Moss Trim L		
Water Marks (B1	1)		Hydrogen Su	` ,	C1)		Dry-Season	, ,	(C2)
Sediment Depos	,	X	_		n Living Roots ((C3)	Crayfish Bur		(-)
Drift Deposits (B	, ,		Presence of I	•	•	()		. ,	rial Imagery (C9)
Algal Mat or Cru	•		_		Tilled Soils (C6	3)	Stunted or S		,
Iron Deposits (B	• ,		- Thin Muck Su		,	,	Geomorphic		` ,
	le on Aerial Image	ery (B7)	Other (Explai	in in Remark	(s)		Shallow Aqu	itard (D3)	,
Sparsely Vegeta	ited Concave Surfa	ace (B8)	_ , ,				Microtopogra	aphic Relief	(D4)
							X FAC-Neutral	Test (D5)	
Field Observations									
Field Observations:		No. V	Donth (inch	20):					
Surface Water Preser Water Table Present?		NoX NoX	_ ' `	· —					
Saturation Present?			_ ' `	· —		Notional Hydr	rology Procent?	Voc	X No
(includes capillary frin	Yes	NO _X	Depth (inch	es):	W	vetiano nyor	rology Present?	Yes	X No
(includes capillary init	ige)								
Describe Recorded D	ata (stream gauge	e, monitoring well,	aerial photos, p	orevious insp	pections), if avai	ilable:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 01-W002-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 2____(A) Absolute Dominant Indicator Tree Stratum (Plot size: ___ 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Fraxinus pennsylvanica / Green ash Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 Sapling/Shrub Stratum (Plot size: 15 Feet FACW species 55 x 2 = 10 x 3 = FAC species 10 ___ x 4 = _ FACU species UPL species 0 x 5 = __ (A) Column Totals: 75 6. Prevalence Index = B/A = 2.4 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet X 1 - Rapid Test for Hydrophytic Vegetation **FACW** X 2 - Dominance Test is >50% 1. Impatiens capensis / Spotted jewelweed 50 FAC 2. Solidago rugosa / Wrinkle-leaf goldenrod X 3 - Prevalence Index ≤3.0¹ 3. Alliaria petiolata / Garlic-mustard 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 70 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Yes X No ____ Present? Remarks: (Explain alternative procedures here or in a separate report.) PFO due to adjacent upland tree cover.

SOIL Sampling Point: 01-W002-1W

	iption: (Describe to th	e depth neede			or confirm	the abser	ce of indicators	5.)
Depth	Matrix			Features				
(inches)	Color (moist)		Color (moist)		Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/2	95	10YR 6/6	5	C	M,PL	Clay Loam	
-		·						
								
								
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduced	I Matrix, MS=Maske	ed Sand Gra	ains.		²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	diagtara						Indicators	for Droblematic Hudrin Coiles.
,			Dobavoluo Polow	Surface (SC) / DD D	MI DA 140		for Problematic Hydric Soils³:
Histosol	, ,		Polyvalue Below	,	, -		- —	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Surface					Prairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky Mi		LKK K, L)			Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed Ma					Surface (S7) (LRR K, L)
	Layers (A5)	<u>X</u>						alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A		Redox Dark Surfa					Dark Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark Su					langanese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)		Redox Depressio	ilis (Fo)				cont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4) edox (S5)							Spodic (TA6) (MLRA 144A, 145, 149B) rarent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
	face (S7) (LRR R, ML	DA 1/0B)						(Explain in Remarks)
Dark Sui	lace (37) (LKK K, WL	KA 149D)					Other	(Explain in Remarks)
³ Indicators of	hydrophytic vegetation	and wetland hy	drology must be pre	esent, unles	s disturbed	d or problen	natic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):		_				Hydric Soil Pr	resent? Yes <u>X</u> No
Remarks:								

· —	21028	Hoffman Falls		City/County	: Town of Eaton, Ma	dison County, New Yorl	Sampling Date:	10/05/2021
Applicant/Owner:			ty Renewables	, .		State: New York		01-W004-1U
Investigator(s):		MA, KC	,	Section, Tov	vnship, Range:	To	own of Eaton	
Landform (hillslope, terr	race, etc):		Local re		e, convex, none):			(%): 0-3
Subregion (LRR or MLF			Lat:			g: -75.648328		n: WGS 1984
Soil Map Unit Name:			sing gravelly sil			NWI classificat		
Are climatic / hydrologic						 (If no, explain in Remar		
, ,		, or Hydrology	•			al Circumstances" pres		(No
		, or Hydrology				, explain any answers i		<u> </u>
SUMMARY OF FIN					•	•	,	
							10010100, 0101	
Hydrophytic Vegetation	on Present?	Yes			s the Sampled Area		NI- V	
Hydric Soil Present?		Yes			vithin a Wetland?		NoX	_
Wetland Hydrology P	resent?	Yes	NoX	_ "	r yes, optional vvetiar	nd Site ID:		
Remarks: (Explain alt Upland		res here or in a sep nin an agricultural fi		ed with a wildl	ife food plot mix.			
HYDROLOGY								
Wetland Hydrology	Indicators:							
Primary Indicators (m		quired: check all tha	at apply)			Secondary India	ators (minimum of t	wo required)
Surface Water (A		44	Water-Staine	d Leaves (B9)		il Cracks (B6)	
High Water Table	,		Aquatic Faun	,	,		atterns (B10)	
Saturation (A3)	- ()		Marl Deposits				Lines (B16)	
Water Marks (B1	1)		Hydrogen Su	, ,	1)		n Water Table (C2)	
Sediment Depos	,			,	Living Roots (C3)		urrows (C8)	
Drift Deposits (B	• ,		Presence of F	•	• , ,		Visible on Aerial Im	agery (C9)
Algal Mat or Cru	•		-		illed Soils (C6)		Stressed Plants (D	• , ,
Iron Deposits (B	, ,		Thin Muck Su		,		ic Position (D2)	,
I — ' '	le on Aerial Image	ery (B7)	Other (Explai	, ,)	Shallow Ad		
Sparsely Vegeta	ated Concave Sur	face (B8)	•			Microtopog	raphic Relief (D4)	
						FAC-Neutr	al Test (D5)	
Field Observations			5 " " .	00/:				
Field Observations:		No. V		es).				
Surface Water Preser	nt? Yes	NoX	_ · ·	· —				
Surface Water Presert? Water Table Present?	nt? Yes ? Yes	No X	Depth (inch	es):	Wetlens	l Uudrologu Broont?	Vac	No. V
Surface Water Preser Water Table Present? Saturation Present?	nt? Yes ? Yes Yes	No X	_ · `	es):	Wetland	d Hydrology Present?	Yes	NoX
Surface Water Presert? Water Table Present?	nt? Yes ? Yes Yes	No X	Depth (inch	es):	Wetland	l Hydrology Present?	Yes	NoX
Surface Water Preser Water Table Present? Saturation Present?	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		i Hydrology Present?	Yes	No X
Surface Water Present? Water Table Present? Saturation Present? (includes capillary frin	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		l Hydrology Present?	Yes	No X
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	No X
Surface Water Present? Water Table Present? Saturation Present? (includes capillary frin	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	No X
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	No <u>X</u>
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		I Hydrology Present?	Yes	No <u>X</u>
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		I Hydrology Present?	Yes	No <u>X</u>
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		I Hydrology Present?	Yes	NoX
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		i Hydrology Present?	Yes	NoX
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		i Hydrology Present?	Yes	NoX
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	No X
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	No X
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	No <u>X</u>
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	NoX
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		d Hydrology Present?	Yes	NoX
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		i Hydrology Present?	Yes	No X
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		I Hydrology Present?	Yes	No X
Surface Water Preset Water Table Present? Saturation Present? (includes capillary frir Describe Recorded D	nt? Yes ? Yes Yes	No X No X	Depth (inche	es):		I Hydrology Present?	Yes	No X

VEGETATION - Use scientific names of plants. Sampling Point: 01-W004-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: _____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = FACW species 30 ___ x 3 = __ FAC species 25 ___ x 4 = _ FACU species 100 x 5 = UPL species 0 (A) Column Totals: 6. Prevalence Index = B/A = 3.45 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Echinochloa crus-galli / Barnyard grass 30 FAC 2 - Dominance Test is >50% 20____ 2. Trifolium pratense / Red clover FACU 3 - Prevalence Index ≤3.01 3. Taraxacum officinale / Red seeded dandelion, Common dan 5 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must 7. ____ be present, unless disturbed or problematic. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 55 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ___ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W004-1U

Depith Matrix
O-18 10YR 4/2 100 Clay Loam "Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. "Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histoso (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedro (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Depressions (F8) Pledmont Floodplain Soils (F19) (MLRA 144B) Sandy Mucky Mineral (S1) Redox Depressions (F8) Red Parent Material (F21) Very Shallow Dark Surface (T72) Other (Explain in Remarks) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ## Cocation: PL=Pore Lining, M=Matrix. ## Coca
Hydric Soil Indicators: Histosol (A1)
Histosol (A1)
Histosol (A1)
Histic Epipedon (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Thin Dark Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Following Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Thin Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Black Histic (A3)
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (S7) (LRR K, L) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Beleted Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Stratified Layers (A5)
Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Thick Dark Surface (A12)
Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _X
Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No _X
3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes NoX
Type:
Depth (inches): Hydric Soil Present? Yes No X
Remarks:

Project/Site:	21028 F	Hoffman Falls		City/Count	y: Town of Eat	ton, Madisor	County, New York	Sampling Date:	10/05/2021
Applicant/Owner:		L	iberty Renewables	•		S	tate: New York	Sampling Point:	01-W004-1W
Investigator(s):		MA, KC	•	Section, To	ownship, Rang	e:	Tov	vn of Eaton	
Landform (hillslope, terra	ace, etc):	Toe of slop	e Local r		/e, convex, nor		concave	Slope	e (%): 0-3
Subregion (LRR or MLR	A):	LRR R	 Lat:		07969	Long:	-75.6482845	55 Datu	m: WGS 1984
Soil Map Unit Name:			Lansing gravelly si	It loam			NWI classificatio	n:	
Are climatic / hydrologic					No	(If no	 , explain in Remarks	s.)	
Are Vegetation				y disturbed	Are	e "Normal Ci	rcumstances" prese	nt? Yes	X No
			naturally p	roblematic?	(If ı	needed, exp	lain any answers in	Remarks.)	
SUMMARY OF FIN						s, transe	cts, important i	features, etc.	
Hydrophytic Vegetatio			X No		Is the Sample		•	·	
Hydric Soil Present?			X No	_	within a Wetla		Yes X	No	
Wetland Hydrology Pr	resent?		X No	_	If yes, optional			W004-1W	<u>—</u>
Remarks: (Explain alt Small PE			a separate report.) gricultural field and	upland fores	st.				
HYDROLOGY									
Wetland Hydrology I	Indicators:								
Primary Indicators (mi	inimum of one req	quired; check a	all that apply)				Secondary Indica	tors (minimum of	two required)
Surface Water (A	\1)		Water-Staine	d Leaves (B	9)		Surface Soil	Cracks (B6)	
X High Water Table	e (A2)		Aquatic Faun	a (B13)			Drainage Pa	itterns (B10)	
X Saturation (A3)			Marl Deposits	s (B15)			Moss Trim L	ines (B16)	
Water Marks (B1	,		Hydrogen Su	,	•		Dry-Season	Water Table (C2)	
Sediment Depos	` '		X Oxidized Rhiz		-	(C3)	Crayfish Bur		
Drift Deposits (B3	*		Presence of I		` ,			isible on Aerial In	
Algal Mat or Crus	, ,				Tilled Soils (Co	6)		tressed Plants (D	01)
Iron Deposits (B5	•	(DZ)	Thin Muck St		`			Position (D2)	
	e on Aerial Image	- , ,	Other (Explai	n in Remark	(S)		Shallow Aqu	, ,	
Sparsely vegetat	ted Concave Surfa	ace (B8)					X FAC-Neutral	aphic Relief (D4)	
							X FAC-Neutral	Test (D3)	
Field Observations:									
Surface Water Presen	nt? Yes	No _		· —					
Water Table Present?	Yes	X No	Depth (inch	· —	0				
Saturation Present?	Yes	X No	Depth (inch	es):	<u>0</u> \	Wetland Hyd	drology Present?	Yes X	No
(includes capillary frin	ge)								
Describe Recorded Da	ata (stream gauge	e. monitorina v	vell. aerial photos. r	orevious insi	pections), if ava	ailable:			
	(99-	-, .	· · · · · · · · · · · · · · · · · · ·		,,				
Remarks:									
I									

VEGETATION - Use scientific names of plants. Sampling Point: 01-W004-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 10 x 1 = 10 Sapling/Shrub Stratum (Plot size: 15 Feet 50 ___ x 2 = ___ FACW species 30 x 3 = FAC species 10 x 4 = FACU species UPL species 0 x 5 = _ (A) 100 Column Totals: 6. Prevalence Index = B/A = 2.4 **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet 50 FACW X 2 - Dominance Test is >50% 1. Impatiens capensis / Spotted jewelweed FAC 2. Euthamia graminifolia / Flat-top goldentop X 3 - Prevalence Index ≤3.0¹ OBL 4 - Morphological Adaptations1 (Provide supporting 3. Scirpus atrovirens / Green bulrush 4. Cirsium vulgare / Bullthistle, Bull thistle 10 FACU Problematic Hydrophytic Vegetation¹ (Explain) No 6. ___ ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 100 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No ____ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W004-1W

Depth	ription: (Describe to the Matrix	<u> </u>		Features				-		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarks	
0-18	10YR 4/2	85	10YR 3/6	15	С	M,PL	Clay Loam			
			-	-						
	-									
	<u> </u>									
		·						-		
Type: C=Coi	ncentration, D=Depletio	n, RM=Redu	uced Matrix, MS=Mask	ked Sand Gra	ins.		²Loca	ation: PL=P	ore Lining, M=Ma	ıtrix.
	·									
lydric Soil I									ematic Hydric So	
Histosol	, ,		Polyvalue Below					•) (LRR K, L, ML	•
Histic Ep	pipedon (A2)		Thin Dark Surfa	ce (S9) (LR	R R, MLR	A 149B)			edox (A16) (LRR	
Black Hi	istic (A3)		Loamy Mucky M	lineral (F1) (LRR K, L)		5 cm	Mucky Pea	at or Peat (S3) (L	RR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gleyed N	Matrix (F2)			Dark	Surface (S	7) (LRR K, L)	
Stratified	d Layers (A5)		X Depleted Matrix	(F3)			Poly\	/alue Belov	v Surface (S8) (L	RR K, L)
Depleted	d Below Dark Surface (A	A11)	Redox Dark Sur	face (F6)			Thin	Dark Surfa	ce (S9) (LRR K,	L)
Thick Da	ark Surface (A12)		Depleted Dark S	Surface (F7)			Iron-l	Manganese	e Masses (F12)	(LRR K, L, R)
Sandy N	/lucky Mineral (S1)		Redox Depressi	ons (F8)			Piedr	mont Flood	plain Soils (F19) ((MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesi	c Spodic (T	A6) (MLRA 144	A, 145, 149B)
Sandy F	Redox (S5)						Red	Parent Mat	erial (F21)	
Stripped	l Matrix (S6)						Very	Shallow Da	ark Surface (TF12	2)
Dark Su	rface (S7) (LRR R, ML	_RA 149B)					Othe	r (Explain iı	n Remarks)	
Indicators of	hydrophytic vegetation	and wetland	d hydrology must be p	resent, unles	s disturbed	d or problem	natic.			
Restrictive L	_ayer (if observed):									
Type:										
Depth (in	iches):						Hydric Soil P	resent?	Yes X	No
	, <u></u>									
Remarks:										

Project/Site:	21028 Hot	ffman Falls	(City/Count	ty: Town of Ea	ton, Madison	County, New York	Sampling D	ate: 10/06	6/2021
Applicant/Owner:			Renewables	- ,			ate: New York			005-1U
Investigator(s):	М	IA, KC		Section, To	ownship, Rang	je:	Tow	n of Eaton		
Landform (hillslope, terrae	ce, etc):	Hilltop	Local reli	ief (concav	ve, convex, noi	ne):	concave		Slope (%):	0-8
Subregion (LRR or MLRA	N):	LRR R	Lat:	42.91	1441744	Long:	-75.6402017	3	Datum: WG	SS 1984
Soil Map Unit Name:		A	ppleton Loam				NWI classificatio	n:		
Are climatic / hydrologic c	conditions on the si	ite typical for this tir	me of year?	Yes X	No	(If no,	_ explain in Remarks	s.)		
Are Vegetation	, Soil , or	r Hydrology	significantly of	disturbed'	? Are	e "Normal Circ	cumstances" preser	nt? Yes	s X No	0
Are Vegetation	, Soil, or	r Hydrology	naturally pro	blematic?	(If	needed, expla	ain any answers in l	Remarks.)		
SUMMARY OF FINE	DINGS - Attacl	n site map sho	wing samp	oling po	int location	ns, transec	ts, important f	eatures,	etc.	
Hydrophytic Vegetation	Present?	Yes	No X		Is the Sample	ed Area	<u> </u>			
Hydric Soil Present?		Yes	No X	-	within a Wetl		Yes	No	X	
Wetland Hydrology Pre	esent?	Yes	No X	-	If yes, optiona		· · · · · · · · · · · · · · · · · · ·			
, 3,				•	, , ,					
Remarks: (Explain alter Upland po	rnative procedures pint for PEM and P		ate report.)							
HYDROLOGY										
Wetland Hydrology In	dicators:									
Primary Indicators (min		ired: check all that :	annly)				Secondary Indica	tors (minim	ım of two reau	ired)
Surface Water (A1		,	Water-Stained L	Leaves (B	19)		Surface Soil		-	
High Water Table	,		Aquatic Fauna	`	,		Drainage Pa	` '		
Saturation (A3)	()		Marl Deposits (I	. ,			Moss Trim Li			
Water Marks (B1)			Hydrogen Sulfic	` '	C1)		Dry-Season	, ,	(C2)	
Sediment Deposit			Oxidized Rhizo:	,	•	(C3)	Crayfish Bur		(=-)	
Drift Deposits (B3)	, ,		Presence of Re	-	-	, (00)			rial Imagery (C	:9)
Algal Mat or Crust			Recent Iron Re		` ,	:6)	Stunted or S			,
Iron Deposits (B5)	. ,		Thin Muck Surfa		111104 05.15 (5		Geomorphic		. ,	
	on Aerial Imagery		Other (Explain i	` ,	(s)		Shallow Aqu	•	-)	
	ed Concave Surfac		24101 (<u>2</u> 742		,		Microtopogra		(D4)	
		3 (23)					FAC-Neutral	-	(= .)	
Field Observations:	0 1/		5 " " 1	`						
Surface Water Present			Depth (inches	· —						
Water Table Present?	Yes _		Depth (inches	· —	 .					
Saturation Present?	Yes	NoX	Depth (inches	s):	`	Wetland Hyd	rology Present?	Yes	No _	<u>X</u>
(includes capillary fring	e)									
Describe Recorded Da	ta (stream gauge	monitoring well ae	rial photos pre	evious insi	pections) if ava	ailable [.]				
Bosonibo recorded ba	ta (otroam gaago,	morntoning won, do	nai priotoo, pro	5 V 10 GO 11 10	pooliono), ii avi	anabio.				
Remarks:										

VEGETATION - Use scientific names of plants. Sampling Point: 01-W005-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 0 ____ (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1. Species Across All Strata: 3 (B) 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 0 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 1. Lonicera morrowii / Morrow's honeysuckle 0 ___ x 3 = __ FAC species 110 FACU species x 4 = UPL species 0 x 5 = (A) Column Totals: 110 6. Prevalence Index = B/A = 4.0 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 60 Dactylis glomerata / Orchardgrass Yes FACU 2 - Dominance Test is >50% Solidago canadensis / Canada goldenrod
 20 FACU 3 - Prevalence Index ≤3.01 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5. 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 80 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W005-1U

Depth	ription: (Describe to th Matrix			x Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarl	ks	
0-18	10YR 3/3	100					Silt Loam				
				_							
				_							
				_							
				_							
				_							
				_							
				_							
				_							
ype: C=Cor	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=P	ore Lining, M	1=Matrix.	
ydric Soil I	ndicators:						Indicators	for Probl	ematic Hydr	ric Soils³:	
Histosol	(A1)		Polyvalue Belov	w Surface (S	8) (LRR R,I	/ILRA 149E	3) 2 cm	Muck (A10) (LRR K, L	, MLRA 149	9B)
Histic Ep	pipedon (A2)		Thin Dark Surfa	ace (S9) (LR	R R, MLRA	149B)	Coast	Prairie Re	edox (A16) (LRR K, L, F	R)
Black Hi	stic (A3)		Loamy Mucky N	Mineral (F1)	(LRR K, L)		5 cm	Mucky Pea	at or Peat (S	3) (LRR K,	L, R)
 Hydroge	n Sulfide (A4)		Loamy Gleyed	Matrix (F2)			Dark :	Surface (S	7) (LRR K ,	L)	
Stratified	d Layers (A5)		Depleted Matrix	(F3)			Polyv	alue Below	Surface (S8	3) (LRR K,	L)
Depleted	d Below Dark Surface (A	\11)	Redox Dark Su	rface (F6)					ce (S9) (LR		
Thick Da	ark Surface (A12)		Depleted Dark	Surface (F7)			Iron-N	/langanese	Masses (F1	2) (LRR K	(, L, R)
Sandy M	lucky Mineral (S1)		Redox Depress	sions (F8)			Piedn	nont Flood	plain Soils (F	:19) (MLRA	149B)
Sandy G	Gleyed Matrix (S4)						Mesic	Spodic (T	A6) (MLRA	144A, 145,	, 149B)
Sandy R	Redox (S5)						Red F	Parent Mat	erial (F21)		
Stripped	Matrix (S6)						Very S	Shallow Da	rk Surface (TF12)	
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other	(Explain in	n Remarks)		
Indicators of	hydrophytic vegetation	and watland	bydrology must be n	vrocent unles	a diaturbad	or problem	otio				
		and welland	Trydrology must be p	nesent, unles	ss disturbed	or problem	alic.				
	.ayer (if observed):										
Type: Depth (in	chee).						Hydric Soil P	rosont?	Yes	No	Х
Deptii (iii							Tiyunc 3011 F	iesent:			
Remarks:											

Project/Site:	21028 F	Hoffman Falls		City/Count	v: Town of Ea	ton. Madison	County, New York	Sampling Dat	e: 10/06/2021
Applicant/Owner:			/ Renewables	, ,	·,· <u>······</u>		ate: New York		-
Investigator(s):		MA, KC		Section, To	ownship, Rang			vn of Eaton	
Landform (hillslope, terr		,	Local re		/e, convex, no				lope (%): 0-3
Subregion (LRR or MLR			Lat:	•	1429171	· 			atum: WGS 1984
Soil Map Unit Name:	· —		ing Gravelly sil	t loam		_	NWI classification	on:	Riverine
Are climatic / hydrologic	conditions on the	site typical for this	time of year?	Yes X	No	(If no,	_ explain in Remark	s.)	
Are Vegetation	, Soil ,	or Hydrology	significantly	disturbed?	? Ar	e "Normal Circ	cumstances" prese	nt? Yes	X No
Are Vegetation	, Soil,	or Hydrology	naturally pr	oblematic?	(If	needed, expla	ain any answers in	Remarks.)	
SUMMARY OF FIN	NDINGS - Atta	ch site map sh	owing sam	pling po	int location	ns, transec	ts, important	features, et	c.
Hydrophytic Vegetation		Yes X	No		Is the Sample		•	•	
Hydric Soil Present?		Yes X	No	_	within a Wet		Yes X	No	
Wetland Hydrology P	resent?	Yes X	No	_			e ID:	W005-1W	
			- '	_	,, -, -,				
Remarks: (Explain alt PEM we		es here or in a sepa ttent stream St07 ar		dairy farm a	and agricultura	l fields.			
HYDROLOGY									
Wetland Hydrology	Indicators:								
Primary Indicators (m	inimum of one red	uired; check all tha	t apply)				Secondary Indica	itors (minimum	of two required)
Surface Water (A	A1)		Water-Stained	d Leaves (B	9)		Surface Soil	Cracks (B6)	
High Water Table	e (A2)		Aquatic Fauna	a (B13)			Drainage Pa	itterns (B10)	
Saturation (A3)			Marl Deposits	` '			Moss Trim L	ines (B16)	
Water Marks (B1	,		Hydrogen Sul	`	,		 ·	Water Table (0	32)
Sediment Depos	, ,	<u>X</u>	Oxidized Rhiz	•	•	s (C3)	Crayfish Bur	, ,	
Drift Deposits (B	*		Presence of F		` ,				I Imagery (C9)
Algal Mat or Cru	• ,		Recent Iron R		Tilled Soils (C	6)		Stressed Plants	, (D1)
Iron Deposits (B	•	(D7)	Thin Muck Su	, ,	,		X Geomorphic	. ,	
	le on Aerial Image		Other (Explain	n in Remark	(s)		Shallow Aqu	, ,	
Sparsely Vegeta	ited Concave Surfa	ace (B8)						aphic Relief (D	4)
							X FAC-Neutra	i iesi (D5)	
Field Observations:									
Surface Water Preser	nt? Yes	No X	Depth (inche	es):					
Water Table Present?	Yes	No X	Depth (inche	es):					
Saturation Present?	Yes	NoX	Depth (inche	es):		Wetland Hyd	rology Present?	Yes X	No
(includes capillary frin	ıge)								
					(;) : c	2.11			
Describe Recorded D	ata (stream gauge	s, monitoring well, a	ieriai pnotos, p	revious insp	pections), if av	allable:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 01-W005-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 2 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** 2____(B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 10 x 1 = 10 Sapling/Shrub Stratum (Plot size: 15 Feet 115 x 2 = FACW species 30 x 3 = FAC species 0 x 4 = FACU species 0 UPL species x 5 = 155 (A) Column Totals: 6. Prevalence Index = B/A = 2.13 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) X 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 1. Phalaris arundinacea / Reed canary grass 70 **FACW** Yes 2. Impatiens capensis / Spotted jewelweed FACW X 3 - Prevalence Index ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting 3. Solidago rugosa / Wrinkle-leaf goldenrod FAC 10 _ _ OBL Problematic Hydrophytic Vegetation¹ (Explain) 4. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai No 5. Verbena hastata / Swamp verbena **FACW** ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 155 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W005-1W

Depth	ription: (Describe to th Matrix	ic deptii lit		Features	or commit	. เมษ สมระเ	ice of maleators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 3/2	85	10YR 3/6	15	C	M,PL	Clay Loam	
				-				
		-		-				
	-							
	-							
	-							
	· 							
				· 				
¹Type: C=Coı	ncentration, D=Depletion	n, RM=Red	uced Matrix, MS=Masl	ed Sand Gr	ains.		²Location	n: PL=Pore Lining, M=Matrix.
			•					
Hydric Soil I								r Problematic Hydric Soils³:
Histosol	` '		Polyvalue Below					ck (A10) (LRR K, L, MLRA 149B)
_	pipedon (A2)		Thin Dark Surfa					airie Redox (A16) (LRR K, L, R)
	stic (A3)		Loamy Mucky M	. ,	(LRR K, L)			cky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleyed N					face (S7) (LRR K, L)
	d Layers (A5)		Depleted Matrix					e Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A	(11)	X Redox Dark Sur				Thin Dar	k Surface (S9) (LRR K, L)
Thick Da	ark Surface (A12)		Depleted Dark S	, ,				ganese Masses (F12) (LRR K, L, R)
Sandy N	lucky Mineral (S1)		Redox Depressi	ons (F8)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy G	Gleyed Matrix (S4)						Mesic Sp	podic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)						Red Pare	ent Material (F21)
Stripped	Matrix (S6)						Very Sha	illow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other (Ex	xplain in Remarks)
3Indicators of	budraphutia vagatatian	and watlan	d budralagu muat ba n	rocent unles	o disturbas	d ar problem	aatia	
- Indicators of	hydrophytic vegetation	and wellan	u ffydrology ffiust be pi	resent, unies	ss disturbed	or problem	matic.	
	.ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Pres	ent? Yes X No
Remarks:								

Project/Site:	21028 H	offman Falls		City/County:	Town of Eaton	, Madison C	ounty, New York	Sampling Date:	10/06/2021
Applicant/Owner:		Li	berty Renewables			State	e: New York	Sampling Point:	01-W005-2W
Investigator(s):	1	MA, KC	•	Section, Tow	nship, Range:		Tov	wn of Eaton	
Landform (hillslope, terrace	e, etc):	Depression	n Local re		, convex, none):	:	concave	Slop	e (%): 0-3
Subregion (LRR or MLRA)): 	LRR R	Lat:	42.914	41039	Long:	-75.6402006	63 Datu	ım: WGS 1984
Soil Map Unit Name:			Appleton loan	n			NWI classification	on: Fresh	water Pond
Are climatic / hydrologic co	onditions on the	site typical for	this time of year?	Yes X	No	(If no, e	xplain in Remark	s.)	
Are Vegetation,	Soil , c	or Hydrology	significantl	y disturbed?	Are "N	Normal Circu	ımstances" prese	ent? Yes	X No
			naturally p	roblematic?	(If nee	eded, explair	n any answers in	Remarks.)	
SUMMARY OF FIND	INGS - Attac	h site map	showing sam	npling poin	t locations,	transect	s, important	features, etc.	
Hydrophytic Vegetation	Present?	Yes	X No	Is	the Sampled	Area			
Hydric Soil Present?			X No		ithin a Wetland		Yes X	No	
Wetland Hydrology Pres	ent?	Yes	X No		yes, optional W	/etland Site I	-	W005-2W	
Remarks: (Explain alterr POW adjac			separate report.) ural field. St07 flows	s through the	wetland.				
HYDROLOGY									
Wetland Hydrology Ind	dicators:								
Primary Indicators (mini		uired: check a	ll that apply)			:	Secondary Indica	ators (minimum of	two required)
X Surface Water (A1)	-	,	X Water-Staine	d Leaves (B9)	ı	 -	•	I Cracks (B6)	
X High Water Table (A	A2)		X Aquatic Faun	a (B13)		•	 Drainage Pa	atterns (B10)	
X Saturation (A3)			Marl Deposits	s (B15)		•	Moss Trim L		
Water Marks (B1)			Hydrogen Su	lfide Odor (C1)	•	Dry-Season	Water Table (C2))
Sediment Deposits	(B2)		Oxidized Rhiz	zospheres on	Living Roots (C	3)	Crayfish Bu	rrows (C8)	
Drift Deposits (B3)			Presence of F	Reduced Iron	(C4)		Saturation V	/isible on Aerial In	nagery (C9)
Algal Mat or Crust ((B4)		Recent Iron F	Reduction in Ti	illed Soils (C6)		Stunted or S	Stressed Plants (D	01)
Iron Deposits (B5)			Thin Muck Su	ırface (C7)			Geomorphic	Position (D2)	
Inundation Visible of	on Aerial Imager	y (B7)	Other (Explai	n in Remarks))		Shallow Aqu	uitard (D3)	
Sparsely Vegetated	d Concave Surfa	ce (B8)				•		aphic Relief (D4)	
						•	X FAC-Neutra	l Test (D5)	
Field Observations:									
Surface Water Present?	Yes	X No	Depth (inch	es): 12	+				
Water Table Present?	Yes	X No	Depth (inch	, 					
Saturation Present?	Yes	X No	Depth (inch	es): 0	Wet	tland Hydro	logy Present?	Yes X	No
(includes capillary fringe	;)		<u> </u>						<u> </u>
Describe Recorded Data	a (stream gauge	, monitoring w	ell, aerial photos, p	revious inspe	ctions), if availa	able:			
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 01-W005-2W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 1 (A) Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: _ 30 Feet) % Cover Species? Status **Total Number of Dominant** 1____ (B) Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 10 x 1 = 10 Sapling/Shrub Stratum (Plot size: 15 Feet FACW species 40 x 2 = 15 5 ____ x 3 = ___ FAC species 0 x 4 = ___ FACU species 0 UPL species x 5 = 55 (A) Column Totals: 6. Prevalence Index = B/A = 1.91 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet X 1 - Rapid Test for Hydrophytic Vegetation 30 X 2 - Dominance Test is >50% 1. Phalaris arundinacea / Reed canary grass **FACW** 2. Impatiens capensis / Spotted jewelweed FACW X 3 - Prevalence Index ≤3.0¹ 3. Lythrum salicaria / Purple loosestrife OBL 4 - Morphological Adaptations1 (Provide supporting 4. Solidago rugosa / Wrinkle-leaf goldenrod 5 No Problematic Hydrophytic Vegetation¹ (Explain) FAC 6. ___ ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. ______ Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 55 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W005-2W

	ription: (Describe to th	ne depth need			or confirm	the absen	ce of indicators.)	
Depth (inches)	Matrix Color (moist)	%		K Features %	Typo1	Loc²	Texture	Remarks
(inches)	Color (moist)		Color (moist)		Type ¹	LOC-	rexture	Remarks
				-				_
				_	·			
1T O. O		DM Dadas	- I M-4-i NO MI				21	DI Dana Lining M Matrix
	ncentration, D=Depletio	n, RIVI=Reduce	ed Matrix, MS=Masi	ked Sand Gr	ains.		Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil I								r Problematic Hydric Soils³:
Histosol	` '	_	Polyvalue Below	•	, .		· —	ick (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)	_	Thin Dark Surfa					rairie Redox (A16) (LRR K, L, R)
Black Hi		_	Loamy Mucky M		(LRR K, L)			icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N					rface (S7) (LRR K, L)
	l Layers (A5)		Depleted Matrix					e Below Surface (S8) (LRR K, L)
	l Below Dark Surface (<i>l</i> ark Surface (A12)		_ Redox Dark Sur Depleted Dark S					rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)	_	Redox Depressi					nt Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)	_	Nedox Deplessi	ions (1 o)				podic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							ent Material (F21)
	Matrix (S6)							allow Dark Surface (TF12)
	face (S7) (LRR R, ML	.RA 149B)						xplain in Remarks)
<u> </u>			duala es cuartat ha m					,
	hydrophytic vegetation	and welland n	yarology must be p	resent, unles	ss disturbed	I or problem	iauc.	
	ayer (if observed):							
Type:			<u> </u>					
Depth (in	ches):		<u>—</u>				Hydric Soil Pres	sent? Yes No
Remarks:								
	Soil sample unattainabl	e due to steep	banks and deep ar	nd potentially	/ hazardous	water.		

Project/Site:	21028 F	Hoffman Falls	С	city/County: Town of E	Eaton, Madison C	County, New York	Sampling Date:	10/06/2021
Applicant/Owner:		Liberty	/ Renewables	, , <u></u>		te: New York	_	01-W006-1U
Investigator(s):		MA, KC	S	ection, Township, Ra			vn of Eaton	
Landform (hillslope, terr		· · · · · · · · · · · · · · · · · · ·		ef (concave, convex, r		concave	Slope	(%): 3-5
Subregion (LRR or MLR			Lat:	42.92108105	Long:	-75.6335276		n: WGS 1984
Soil Map Unit Name:			ing gravelly silt lo			NWI classificatio	_	
Are climatic / hydrologic			00 7		(If no e	explain in Remarks		
		or Hydrology			• •	umstances" prese	,	K No
· · · · · · · · · · · · · · · · · · ·		or Hydrology				n any answers in		<u> </u>
SUMMARY OF FIN					•	•	•	
		-				is, important i	cutures, etc.	
Hydrophytic Vegetation		Yes		Is the Sam			N V	
Hydric Soil Present?		Yes		within a We			NoX	_
Wetland Hydrology P	resent?	Yes	No X	If yes, option	nal Wetland Site	ID:		
Remarks: (Explain alt	ternative procedure	es here or in a sepa	arate report.)					
Tromainor (Explain an	tomative procedur	55 1.5.5 51 III a 55pt						
HYDROLOGY								
Wetland Hydrology	Indicators:							
Primary Indicators (m	ninimum of one req	uired; check all tha	t apply)			Secondary Indica	tors (minimum of t	wo required)
Surface Water (A	A1)		Water-Stained L	eaves (B9)		Surface Soil	Cracks (B6)	
High Water Table	le (A2)		Aquatic Fauna (B13)		Drainage Pa	tterns (B10)	
Saturation (A3)			Marl Deposits (E	315)		Moss Trim L	ines (B16)	
Water Marks (B1	1)		Hydrogen Sulfid	e Odor (C1)		Dry-Season	Water Table (C2)	
Sediment Depos	sits (B2)		Oxidized Rhizos	spheres on Living Roo	ots (C3)	Crayfish Bur	, ,	
Drift Deposits (B	33)		Presence of Red	duced Iron (C4)		Saturation V	isible on Aerial Ima	agery (C9)
Algal Mat or Cru	ıst (B4)		Recent Iron Red	duction in Tilled Soils	(C6)	Stunted or S	tressed Plants (D1	1)
			Thin Muck Surfa	ace (C7)		Coomorphio	Docition (D2)	
Iron Deposits (B	35)		THILL WILLOW SULLA	100 (01)		Geomorphic	Position (D2)	
	35) lle on Aerial Image	ry (B7)	Other (Explain in			Shallow Aqu		
Inundation Visible						Shallow Aqu		
Inundation Visible	le on Aerial Image					Shallow Aqu	itard (D3) aphic Relief (D4)	
Inundation Visibl	ole on Aerial Image ated Concave Surfa					Shallow Aqu Microtopogra	itard (D3) aphic Relief (D4)	
Inundation Visibl Sparsely Vegeta Field Observations:	ole on Aerial Image ated Concave Surfa	ace (B8)	Other (Explain in	n Remarks)		Shallow Aqu Microtopogra	itard (D3) aphic Relief (D4)	
Inundation Visibl Sparsely Vegeta Field Observations: Surface Water Preser	ele on Aerial Image ated Concave Surfa	NoX	Other (Explain in	n Remarks)		Shallow Aqu Microtopogra	itard (D3) aphic Relief (D4)	
Inundation Visible Sparsely Vegeta Field Observations: Surface Water Present? Water Table Present?	ele on Aerial Image ated Concave Surfa int? Yes ? Yes	No X No X	Other (Explain ir Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	
Inundation Visible Sparsely Vegeta Field Observations: Surface Water Present? Saturation Present?	ele on Aerial Image ated Concave Surfa : : : : : : : : : : : : : : : : : :	NoX	Other (Explain in	n Remarks)	Wetland Hydro	Shallow Aqu Microtopogra	itard (D3) aphic Relief (D4)	No <u>X</u>
Inundation Visible Sparsely Vegeta Field Observations: Surface Water Present? Water Table Present?	ele on Aerial Image ated Concave Surfa : : : : : : : : : : : : : : : : : :	No X No X	Other (Explain ir Depth (inches) Depth (inches)	n Remarks)	Wetland Hydro	Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	NoX
Field Observations: Surface Water Preser Water Table Present? (includes capillary frin	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	NoX
Inundation Visible Sparsely Vegeta Field Observations: Surface Water Present? Saturation Present?	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No <u>X</u>
Field Observations: Surface Water Preser Water Table Present? (includes capillary frin	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frin	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	NoX
Field Observations: Surface Water Preser Water Table Present? Saturation Present? (includes capillary frindles) Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frind Describe Recorded Recor	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Preser Water Table Present? (includes capillary frin Describe Recorded D	ele on Aerial Image ated Concave Surfa int? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	itard (D3) aphic Relief (D4) Test (D5)	No X

VEGETATION - Use scientific names of plants. Sampling Point: 01-W006-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: ____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: 30 Feet % Cover Species? Status **Total Number of Dominant** 1. Acer saccharum / Sugar maple 60 Yes FACU Species Across All Strata: (B) 2. Acer rubrum / Red maple FAC 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: 65 = Total Cover OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 ___ x 2 = __ FACW species 10 ___ x 3 = __ FAC species 70 FACU species x 4 = UPL species 0 x 5 = 0 (A) __ Column Totals: 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet) 1. Rosa multiflora / Multiflora rose, Multiflora rosa **FACU** 2 - Dominance Test is >50% 2. Lonicera morrowii / Morrow's honeysuckle FACU 3 - Prevalence Index ≤3.01 3. Rhamnus cathartica / European buckthorn FAC 4 - Morphological Adaptations1 (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 6. ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 8 **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No _X__ Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W006-1U

Depth	ription: (Describe to th Matrix			x Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture		Remarl	ks	
0-18	10YR 4/3	100					Silt Loam				
								-			
				 							
Type: C=Co	ncentration, D=Depletion	n, RM=Redu	ced Matrix, MS=Mas	ked Sand Gr	ains.		²Loca	tion: PL=P	ore Lining, M	1=Matrix.	
ydric Soil I	ndicators:						Indicators	for Probl	ematic Hydr	ic Soils³:	
Histosol	(A1)		Polyvalue Belov	w Surface (S	8) (LRR R,N	/ILRA 149E	3) 2 cm	Muck (A10) (LRR K, L	, MLRA 149	B)
Histic E	pipedon (A2)		Thin Dark Surfa	ce (S9) (LR	R R, MLRA	149B)	Coast	Prairie Re	edox (A16) (LRR K, L, F	₹)
Black Hi	stic (A3)		Loamy Mucky N	Mineral (F1)	(LRR K, L)				at or Peat (S		
Hydroge	n Sulfide (A4)		Loamy Gleyed	Matrix (F2)					7) (LRR K ,		
Stratified	Layers (A5)		Depleted Matrix						Surface (S8		L)
 Deplete	d Below Dark Surface (A	A11)	Redox Dark Su						ce (S9) (LR		-
	ark Surface (A12)	,	Depleted Dark	, ,					Masses (F1		, L, R)
	lucky Mineral (S1)		Redox Depress					-	plain Soils (F		
	Gleyed Matrix (S4)			()					A6) (MLRA		
	Redox (S5)								erial (F21)	, -,	,
	Matrix (S6)								ark Surface (TF12)	
	rface (S7) (LRR R, ML	RA 149B)							n Remarks)	,	
	, , , ,	,					_		,		
Indicators of	hydrophytic vegetation	and wetland	hydrology must be p	resent, unles	s disturbed	or problem	atic.				
Restrictive L	.ayer (if observed):										
Type:											
Depth (in	ches):						Hydric Soil P	resent?	Yes	No	Χ
	<u> </u>										
Remarks:											

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	21028 Hoffman Falls	(City/County: Town of	Eaton, Madison C	County, New York	Sampling Date:	10/06/2021
Applicant/Owner:	I	_iberty Renewables		Stat	te: New York	Sampling Point:	01-W006-1W
Investigator(s):	MA, KC	;	Section, Township, Ra	inge:	Tov	vn of Eaton	
Landform (hillslope, terrace	e, etc): Access roa		ef (concave, convex,		concave	Slope	e (%): 0-3
Subregion (LRR or MLRA):		Lat:	42.92102844	Long:	-75.6333051	5 Datur	n: WGS 1984
Soil Map Unit Name:		Lansing gravelly silt	loam		NWI classificatio	n:	
Are climatic / hydrologic co	nditions on the site typical fo			(If no, e	explain in Remarks	s.)	
	Soil , or Hydrology			Are "Normal Circu	umstances" prese	nt? Yes	X No
	Soil, or Hydrology		blematic?	(If needed, explai	n any answers in	Remarks.)	
	INGS - Attach site ma	·		ons, transect	s, important f	features, etc.	
Hydrophytic Vegetation F		X No			•	·	
Hydric Soil Present?	Yes	X No	within a W	•	Yes X	No	
Wetland Hydrology Pres		X No		onal Wetland Site		W006-1W	_
	native procedures here or in a turbed PEM wetland within a		live logging area and r	road.			
HYDROLOGY							
Wetland Hydrology Ind	icators:						
Primary Indicators (minir	num of one required; check	all that apply)			Secondary Indica	tors (minimum of t	wo required)
X Surface Water (A1)		Water-Stained	Leaves (B9)	<u>.</u>	Surface Soil	Cracks (B6)	
X High Water Table (A	\2)	Aquatic Fauna	(B13)		Drainage Pa	tterns (B10)	
X Saturation (A3)		Marl Deposits ((B15)		Moss Trim L	ines (B16)	
X Water Marks (B1)		Hydrogen Sulfi	de Odor (C1)		Dry-Season	Water Table (C2)	
Sediment Deposits	(B2)	X Oxidized Rhizo	spheres on Living Ro	ots (C3)	Crayfish Bur	rows (C8)	
Drift Deposits (B3)		Presence of Re	educed Iron (C4)		Saturation V	isible on Aerial Im	agery (C9)
Algal Mat or Crust (B4)		duction in Tilled Soils	(C6)		tressed Plants (D	1)
Iron Deposits (B5)		Thin Muck Surf	, ,			Position (D2)	
	n Aerial Imagery (B7)	Other (Explain	in Remarks)		Shallow Aqu	, ,	
X Sparsely Vegetated	Concave Surface (B8)					aphic Relief (D4)	
					X FAC-Neutral	Test (D5)	
Field Observations:							
Surface Water Present?	Yes X No	Depth (inches	s): <u>0.5</u>				
Water Table Present?	Yes X No	Depth (inches	s): <u> </u>				
Saturation Present?	Yes X No	Depth (inches	s): <u> </u>	Wetland Hydro	ology Present?	Yes X	No
(includes capillary fringe))						
Describe Recorded Data	a (stream gauge, monitoring	well periol photos pro	vious inspections) if	available:			
Describe Recorded Data	(Siteam gauge, monitoring	weii, aeriai priotos, pre	evious irispections), ir	avaliable.			
Remarks:							
1							

VEGETATION - Use scientific names of plants. Sampling Point: 01-W006-1W **Dominance Test worksheet:** Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 20 x 1 = Sapling/Shrub Stratum (Plot size: 15 Feet FACW species 25 x 2 = 30 ___ x 3 = ___ FAC species 0 x 4 = FACU species 0 UPL species x 5 = __ 75 (A) Column Totals: 6. Prevalence Index = B/A = 2.13 **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5 Feet FACW X 2 - Dominance Test is >50% 1. Onoclea sensibilis / Sensitive fern 25 2. Euthamia graminifolia / Flat-top goldentop FAC X 3 - Prevalence Index ≤3.0¹ 3. Glyceria / Mannagrass OBL 4 - Morphological Adaptations1 (Provide supporting 4. Ranunculus acris / Acrid buttercup 10 Problematic Hydrophytic Vegetation¹ (Explain) No FAC ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 75 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W006-1W

Profile Desci Depth	iption: (Describe to the Matrix	ne depth need		e indicator Features	or confirm	the absen	ice of indicators	i.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/2	90	10YR 4/6	10	C	PL	Clay Loam	Homano
0 10	1011(4/2		10111 4/0				Oldy Louin	
-				· ——				
				· 				
				· ——				
								<u> </u>
¹Type: C=Cor	centration, D=Depletion	n, RM=Reduce	d Matrix, MS=Mask	ed Sand Gra	ains.		²Locati	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol			Polyvalue Below	Surface (S8	3) (LRR R ,	MLRA 149	B) 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	_	Thin Dark Surfac					Prairie Redox (A16) (LRR K, L, R)
Black Hi		_	– Loamy Mucky M	. , .		,		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Gleyed N	, , ,	(=, =-,			Surface (S7) (LRR K, L)
	Layers (A5)	X	_					alue Below Surface (S8) (LRR K, L)
	Below Dark Surface (A		Redox Dark Sur					Park Surface (S9) (LRR K, L)
	rk Surface (A12)		Depleted Dark S	. ,				langanese Masses (F12) (LRR K, L, R)
	ucky Mineral (S1)	_	Redox Depressi					ont Floodplain Soils (F19) (MLRA 149B)
		_	_ Redox Depressi	ons (Fo)				
	leyed Matrix (S4)							Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)	D.4.440D\						Shallow Dark Surface (TF12)
Dark Sui	face (S7) (LRR R, ML	RA 149B)					Other	(Explain in Remarks)
³Indicators of	hydrophytic vegetation	and wetland hy	drology must be pr	esent, unles	s disturbed	or problem	natic.	
Restrictive L	ayer (if observed):							
Type:			<u></u>					
Depth (in	ches):		_				Hydric Soil Pr	esent? Yes X No
Remarks:								

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	21028 H	offman Falls	С	city/County: Town of E	aton, Madison C	ounty, New York	Sampling Date:	10/06/2021
Applicant/Owner:		Libert	/ Renewables	· · —	Stat	e: New York	Sampling Point:	01-W008-1U
Investigator(s):		MA, KC	S	ection, Township, Rar			vn of Eaton	
Landform (hillslope, terr		,		ef (concave, convex, n		convex	Slope	(%): 0-3
Subregion (LRR or MLF			Lat:	42.92552918	Long:	-75.6347376		n: WGS 1984
Soil Map Unit Name:			sing gravelly silt lo			NWI classificatio		
Are climatic / hydrologic					(If no e	xplain in Remarks	-	
	, Soil,					ımstances" prese	,	X No
		or Hydrology				n any answers in		<u> </u>
SUMMARY OF FIN						•		
					·	o, important	icatares, etc.	
Hydrophytic Vegetation		Yes		Is the Samp			NI V	
Hydric Soil Present?		Yes		within a We			NoX	_
Wetland Hydrology P	resent?	Yes	_ NoX	If yes, option	nal Wetland Site	ID:		
Remarks: (Explain alt	ternative procedure	es here or in a sen	arate report)					
(=								
LIVEROLOGY								
HYDROLOGY								
Wetland Hydrology	Indicators:							
Primary Indicators (m	ninimum of one req	uired; check all tha	t apply)			Secondary Indica	tors (minimum of t	wo required)
Surface Water (A	A1)		Water-Stained L	.eaves (B9)		Surface Soil	Cracks (B6)	
High Water Table	le (A2)		Aquatic Fauna (B13)		Drainage Pa	itterns (B10)	
Saturation (A3)			Marl Deposits (E	315)		Moss Trim L	ines (B16)	
Water Marks (B1	1)		Hydrogen Sulfid	e Odor (C1)		Dry-Season	Water Table (C2)	
Sediment Depos	sits (B2)		Oxidized Rhizos	spheres on Living Roo	ts (C3)	Crayfish Bur	rows (C8)	
Drift Deposits (B	33)		Presence of Red	duced Iron (C4)		Saturation V	isible on Aerial Ima	agery (C9)
Algal Mat or Cru	ıst (B4)		Recent Iron Red	duction in Tilled Soils ((C6)	Stunted or S	tressed Plants (D	1)
-			Thin Must Confe	nce (C7)		_	D ''' (DO)	
Iron Deposits (B	35)		Thin Muck Surfa			Geomorphic	Position (D2)	
	85) de on Aerial Imagei	 ry (B7)	Other (Explain in			Shallow Aqu		
Inundation Visible						Shallow Aqu		
Inundation Visible	le on Aerial Image					Shallow Aqu	itard (D3) aphic Relief (D4)	
Inundation Visibl	ole on Aerial Imagei ated Concave Surfa					Shallow Aqu	itard (D3) aphic Relief (D4)	
Inundation Visible Sparsely Vegeta	ole on Aerial Imagel ated Concave Surfa		Other (Explain in	n Remarks)		Shallow Aqu	itard (D3) aphic Relief (D4)	
Inundation Visibi Sparsely Vegeta Field Observations: Surface Water Preser	ele on Aerial Imagei ated Concave Surfa territoria	NoX	Other (Explain in	n Remarks)		Shallow Aqu	itard (D3) aphic Relief (D4)	
Inundation Visibi Sparsely Vegeta Field Observations: Surface Water Present?	ole on Aerial Imager ated Concave Surfa int? Yes ? Yes	No X No X	Other (Explain in Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	
Inundation Visible Sparsely Vegeta Field Observations: Surface Water Present? Saturation Present?	ole on Aerial Imager ated Concave Surface int? Yes Yes	NoX	Other (Explain in	n Remarks)	Wetland Hydro	Shallow Aqu	itard (D3) aphic Relief (D4)	No <u>X</u>
Inundation Visibi Sparsely Vegeta Field Observations: Surface Water Present?	ole on Aerial Imager ated Concave Surface int? Yes Yes	No X No X	Other (Explain in Depth (inches)	n Remarks)	Wetland Hydro	Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	NoX
Field Observations: Surface Water Present? Saturation Present? (includes capillary frin	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Inundation Visible Sparsely Vegeta Field Observations: Surface Water Present? Saturation Present?	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frin	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No <u>X</u>
Field Observations: Surface Water Present? Saturation Present? (includes capillary frin	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	NoX
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	NoX
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No <u>X</u>
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No <u>X</u>
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	NoX
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X
Field Observations: Surface Water Present? Saturation Present? (includes capillary frir	ele on Aerial Imagei ated Concave Surfa ent? Yes ? Yes Yes nge)	No X No X No X	Other (Explain in Depth (inches) Depth (inches) Depth (inches)	n Remarks)		Shallow Aqu Microtopogra FAC-Neutral	uitard (D3) aphic Relief (D4) Test (D5)	No X

VEGETATION - Use scientific names of plants. Sampling Point: 01-W008-1U **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: _____ (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = ____ Sapling/Shrub Stratum (Plot size: 15 Feet 0 x 2 = ___ FACW species 50 ___ x 3 = __ FAC species 45 FACU species x 4 = x 5 = UPL species 5 (A) 100 Column Totals: 6. Prevalence Index = B/A = 3.55**Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet 1 - Rapid Test for Hydrophytic Vegetation 1. Euthamia graminifolia / Flat-top goldentop 50 FAC 2 - Dominance Test is >50% 2. Solidago altissima / Canada goldenrod FACU 3 - Prevalence Index ≤3.01 FACU 4 - Morphological Adaptations1 (Provide supporting 3. Elymus repens / Quack grass 4. Taraxacum officinale ssp. officinale / Common dandelion 5 Problematic Hydrophytic Vegetation¹ (Explain) NI 6. ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 100 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. ____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes ____ No __X Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W008-1U

	ription: (Describe to th	ne depth nee			or confirm	the abser	nce of indicators.)		
Depth	Matrix			x Features	T. e 1	1 2	Taxetuur-	D !	
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc²	Texture	Remarks	
0-18	10YR 3/3	100					Clay Loam		
									_
		. <u></u>							
-	·								
-									
·	· 						-		
	· 						-		
	· 								
1T O. O.		- DM Dadus	I NA - 4 NAO - NA				21 4:	DI Dana Linina M	N 4 - 4i
	ncentration, D=Depletio	n, RIVI=Reduc	ed Matrix, MS=Mas	ked Sand Gr	ains.			PL=Pore Lining, M=	
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric	Soils ³ :
Histosol	(A1)	_	Polyvalue Belov	v Surface (S	B) (LRR R,	MLRA 149	B) 2 cm Muc	k (A10) (LRR K, L, N	/ILRA 149B)
Histic E	oipedon (A2)	_	Thin Dark Surfa	ce (S9) (LR	R R, MLRA	149B)	Coast Pra	irie Redox (A16) (LI	RR K, L, R)
	stic (A3)	-	Loamy Mucky N	/lineral (F1)	(LRR K, L)			ky Peat or Peat (S3)	
	en Sulfide (A4)	=	Loamy Gleyed I					ace (S7) (LRR K, L)	
	d Layers (A5)	_	Depleted Matrix					Below Surface (S8)	
	d Below Dark Surface (A	_ \11)	Redox Dark Su					Surface (S9) (LRR	
	ark Surface (A12)		Depleted Dark S	. ,				ganese Masses (F12)	
	, ,	-						Floodplain Soils (F19	
	Mucky Mineral (S1)	-	Redox Depress	ions (Fo)					
	Gleyed Matrix (S4)							odic (TA6) (MLRA 1	44A, 145, 149B)
	Redox (S5)							nt Material (F21)	
	Matrix (S6)							low Dark Surface (TF	12)
Dark Su	rface (S7) (LRR R, ML	.RA 149B)					Other (Ex	plain in Remarks)	
3Indicators of	hydrophytic vegetation	and wetland h	nvdrology must be p	resent, unles	s disturbed	or problen	natic.		
	.ayer (if observed):								
Type:			<u> </u>						
Depth (in	ches):		<u> </u>				Hydric Soil Prese	ent? Yes	No <u>X</u>
Remarks:									
Romans.									

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	21028 F	loffman Falls		City/County	: Town of Eato	on, Madison (County, New York	Sampling Date:	10/06/2021
Applicant/Owner:		L	iberty Renewables			Sta	ate: New York	Sampling Point:	01-W008-1W
Investigator(s):		MA, KC	-	Section, To	wnship, Range		Tov	vn of Eaton	
Landform (hillslope, terra	ace, etc):	Lowland	Local re		e, convex, none		concave	Slope	e (%): 0-3
Subregion (LRR or MLR			 Lat:		577007	Long:	-75.6347248		m: WGS 1984
Soil Map Unit Name:			Teel silt loam	1			NWI classificatio	n:	
Are climatic / hydrologic	conditions on the	site typical for	this time of year?	Yes X	No	(If no,	explain in Remarks	s.)	
Are Vegetation	, Soil,	or Hydrology	significantl	y disturbed?	Are	"Normal Circ	cumstances" prese	nt? Yes	X No
·			naturally p			eeded, expla	in any answers in	Remarks.)	
SUMMARY OF FIN					nt locations	s, transec	ts, important i	features, etc.	
Hydrophytic Vegetatio			X No		s the Sampled		, I	,	
Hydric Soil Present?	iii resent:	-	X No		within a Wetla		Yes X	No	
Wetland Hydrology Pr	esent?		X No		f yes, optional			W008-1W	_
Trouding Try drology Tr			<u> </u>	_ '		Wolland One		***************************************	
Remarks: (Explain alte	ernative procedur	es here or in a	separate report.)						
HYDROLOGY									
Wetland Hydrology I	ndicators:								
Primary Indicators (mi		uired; check a	ill that apply)				Secondary Indica	tors (minimum of	two required)
X Surface Water (A			X Water-Staine	d Leaves (B9	9)		Surface Soil	•	
X High Water Table	(A2)		Aquatic Faun	ia (B13)	,		X Drainage Pa	itterns (B10)	
X Saturation (A3)	,		Marl Deposits	. ,			Moss Trim L		
Water Marks (B1)		Hydrogen Su	Ifide Odor (C	1)		Dry-Season	Water Table (C2)	
Sediment Deposi	its (B2)		X Oxidized Rhiz			(C3)	Crayfish Bur	rows (C8)	
Drift Deposits (B3	3)		Presence of F			,	Saturation V	isible on Aerial Im	agery (C9)
Algal Mat or Crus	•				Tilled Soils (C6)	i)		tressed Plants (D	
Iron Deposits (B5	5)		Thin Muck Su			,	X Geomorphic		,
	e on Aerial Image	ry (B7)	Other (Explai		3)		Shallow Aqu		
Sparsely Vegetat	ted Concave Surfa	ace (B8)					X Microtopogra	aphic Relief (D4)	
							X FAC-Neutral	Test (D5)	
Field Observations:									
Surface Water Presen	nt? Yes	X No	Donth (inch	00). 0	.5				
Water Table Present?	•	X No	Depth (inch	, 	0				
Saturation Present?	Yes	X No _	Depth (inch			lational Uvdun	rology Present?	Yes X	No
		NO	Depth (inch	es).	<u> </u>	velianu nyur	lology Present?	Yes X	No
(includes capillary fring	ge)								
Describe Recorded Da	ata (stream gauge	e, monitoring w	vell, aerial photos, p	orevious inspe	ections), if avai	ilable:			
Domarka	-								-
Remarks:									

VEGETATION - Use scientific names of plants. Sampling Point: 01-W008-1W **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: 3 (A) Absolute Dominant Indicator Tree Stratum (Plot size: ____ 30 Feet) % Cover Species? Status **Total Number of Dominant** Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 6. Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 45 x 1 = 45 Sapling/Shrub Stratum (Plot size: 15 Feet 20 x 2 = FACW species 30 ___ x 3 = ___ FAC species 0 x 4 = FACU species 0 UPL species x 5 = __ 95 (A) Column Totals: 6. Prevalence Index = B/A = 1.84 **Hydrophytic Vegetation Indicators:** Herb Stratum (Plot size: 5 Feet) 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 1. Eutrochium maculatum / Spotted trumpetweed 40 OBL 2. Euthamia graminifolia / Flat-top goldentop FAC X 3 - Prevalence Index ≤3.0¹ FACW 4 - Morphological Adaptations1 (Provide supporting 3. Solidago gigantea / Smooth goldenrod 4. Typha angustifolia / Narrow leaf cattail, Narrow-leaved cattai 5 OBL Problematic Hydrophytic Vegetation¹ (Explain) No 6. ¹Indicators of hydric soil and wetland hydrology must 7. ___ be present, unless disturbed or problematic. 8. ___ **Definitions of Vegetation Strata** 10. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at 11. breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and 95 = Total Cover greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum (Plot size: 30 Feet) Herb - All herbaceous (non-woody) plants, regardless of 1. _____ size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in = Total Cover Hydrophytic Vegetation Present? Yes X No Remarks: (Explain alternative procedures here or in a separate report.)

SOIL Sampling Point: 01-W008-1W

Profile Desci Depth	ription: (Describe to the Matrix	ne depth nee		ne indicator Features	or confirm	the absen	ce of indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-18	10YR 4/1	98	10YR 5/4	2	C	PL	Clay	TO MAINE
	-							
	-							
	-							
¹Type: C=Cor	centration, D=Depletio	n, RM=Redu	ced Matrix, MS=Masl	ced Sand Gr	ains.		²Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	adicatore:						Indicators fo	r Problematic Hydric Soils³:
Histosol			Polyvalue Belov	, Surface (S	8) (I PP P	MI RA 149		ck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Thin Dark Surfa					rairie Redox (A16) (LRR K, L, R)
Black His			Loamy Mucky M	. , .		(1400)		cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Gleyed N		(=::::::, =)			face (S7) (LRR K, L)
	Layers (A5)		X Depleted Matrix					e Below Surface (S8) (LRR K, L)
	I Below Dark Surface (A	411)	Redox Dark Sur					k Surface (S9) (LRR K, L)
	rk Surface (A12)	,	Depleted Dark S					iganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depressi					t Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)		 ·	,				podic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							ent Material (F21)
	Matrix (S6)							allow Dark Surface (TF12)
Dark Su	face (S7) (LRR R, ML	.RA 149B)					Other (E	xplain in Remarks)
3Indicators of	hydrophytic vegetation	and wetland	hydrology must be n	resent unles	se dieturhad	or problem	natio	
		una wettana	Trydrology must be p			or problem	iatio.	
	ayer (if observed):							
Type:	-L \.						Undela Oali Bara	
Depth (in	cnes):						Hydric Soil Pres	ent? Yes X No
Remarks:								

Project	21028 Hoffman Falls Wetland Delineation
ID	356751
Survey Date	06/14/2023
User	Rachael Foote
General Information	
Project ID #	05-ST001
Site	21028 Hoffman Falls
Date	06/14/2023
Time	12:50 PM
Location	
Latitude	42.9170395
Longitude	-75.68020717
Datum	NAD83/2011
Investigator(s)	MA RF
Step 1: Site overview from re	emote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Rain in the last 24 hours, moderate flow. Surrounding land use is primarily forested. Flow into NYS DEC mapped C class stream.
Step 2: Site conditions during	g field assessment
Describe Site Condition	No man-made disturbances were observed within the delineated stream.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	

Page 1 of 289

Linear and health in a send	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	Present
Changes in character of soil Indicator Location	X
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	X
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	1 Company of the Comp
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The OHWM occurs at the break in slope, the transition in vegetation, and where leaf litter has been washed away. These indicators persist throughout the reach of the delineated stream.
Additional observations or	Flows into larger perennial stream and drains wetland.

notes

Photos

Photo log attached?

Yes



Stream substrate photograph, looking upstream.



Downstream photograph.

21028 Hoffman Falls - R	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	378458
Survey Date	08/15/2023
User	Rachel Nazak
General Information	
Project ID #	05-ST006
Site	21028 Hoffman Falls
Date	08/15/2023
Time	10:26 AM
Location	
Latitude	42.9401445
Longitude	-75.76105717
Datum	NAD83/2011
Investigator(s)	JKJP
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Agriculture fields border this feature. Drains into 33-W029
Step 2: Site conditions during	g field assessment
Describe Site Condition	Rain in past 24 hrs, light drizzle during the time of the survey Stream is an excavated ditch flowing west between pasture and agriculture field.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	

made with Wildnore

Secondary channels

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	X .
transition from	Silt/clay to gravel/cobble
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	Present
Exposed Roots Indicator Location	a
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The stream follows a break in the slope and change in particle size distribution as well as a change in vegetation at the determined OHWM. Exposed roots are present above the OHWM.

notes

Photos

Photo log attached?

Yes



Upstream



Downstream

Project	21028 Hoffman Falls Wetland Delineation
ID	356288
Survey Date	06/13/2023
User	Megan Aubertine
General Information	Webarr Added the
Project ID #	10-ST003
Site	21028 Hoffman Falls
Date	06/13/2023
Time	10:35 AM
Location	
Latitude	42.92080917
Longitude	-75.675728
Datum	NAD83/2011
Investigator(s)	MA, RF, AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural resource maps
Describe land use and flow conditions from online resources.	This stream is bordered by deciduous upland forest.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Small stream flowing SW and connects to 10-ST004. Presence of base flow observed at the time of delineation. No obstructions or disturbances occur within the delineated reach of stream that would affect flow.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	

Instream bedforms and other bedload transport

evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	Present
Changes in character of soil Indicator Location	b
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Informatio	n
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope on the bank with vegetation absent to forbs along entirety of stream at the OHWM.
Additional observations or	

Additional observations or notes

Photos
Photo log attached?
Yes



Change in vegetation



Change in vegetation



Change in vegetation

	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	356289
Survey Date	06/13/2023
User	Megan Aubertine
General Information	
Project ID #	10-ST004
Site	21028 Hoffman Falls
Date	06/13/2023
Time	10:42 AM
Location	
Latitude	42.920864
Longitude	-7 5.67576917
Datum	NAD83/2011
Investigator(s)	MA, RF, AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forested upland.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream collects surface runoff from upland offsite. Connects with 10-ST003 to create second order stream. Low baseflow observed during delineation. PFO wetland borders stream.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport	

evidence

Secondary channels

Sediment Indicators	
Soil development	
Changes in character of soil	Present
Changes in character of soil Indicator Location	b
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	b
transition from	Gravel to loam.
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
ls additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The OHWM for this stream was determined using break in slope on the bank changes in character of the soil and the transition in vegetation. These indicators were persistent throughout the delineated reach of stream.
Additional observations or	

notes

Photos

Photo log attached?

Yes



Downstream photo.



Upstream photo.

Project	21028 Hoffman Falls Wetland Delineation
ID	356291
Survey Date	06/13/2023
User	Megan Aubertine
General Information	Webarr rabet and
Project ID #	10-ST005
Site	21028 Hoffman Falls
Date	06/13/2023
Time	10:49 AM
Location	1913.111
Latitude	42.919971
Longitude	-75.67616967
Datum	NAD83/2011
Investigator(s)	MA, RF, AT
Step 1: Site overview from re	
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Surrounding land use is primarily forested upland.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream receives flow from two stream other streams and flows into a wetland. Low baseflow observed during delineation.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	х
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
0.000	Present
Secondary channels	FICSCIIL

Secondary Channels

X

Indicator Location Sediment Indicators Soil development Changes in character of soil Present Changes in character of soil Indicator Location Mudcracks Changes in particle-sized distribution **Vegetation Indicators** Change in vegetation type Present and/or density Vegetation Indicator X Location Vegetation Change From vegetation absent Vegetation Change To deciduous trees Vegetation matted down and/or bent: Exposed roots below intact Present soil layer: Exposed Roots Indicator b Location **Ancillary Indicators** Wracking/presence of Present organic litter Wracking Indicator Location b Presence of large wood Leaf litter disturbed or washed away Water staining Weathered clasts or bedrock Other observed indicators? Step 4: Additional Information Is additional information needed to support this determination? Step 5: Rationale Describe rationale for The OHWM occurs at the break in slope, the change in vegetation to deciduous trees, and location of OHWM where secondary channels form. Exposed roots occur at the OHWM but occur

sporadically throughout the delineated reach of stream.

Additional observations or notes



Downstream photograph, with stream substrate visible and change in vegetation



Upstream photograph. Exposed roots are below the OHWM.



Upstream photograph.



Downstream photograph.



Secondary channel.



Stream substrate photograph.



Wracking below the OHWM visible.

	2422211 (6 - 5 11 - 11 - 11 - 11 - 11 - 11 - 11 -
Project	21028 Hoffman Falls Wetland Delineation
D	356743
Survey Date	06/14/2023
User	Rachael Foote
General Information	
Project ID #	10-ST006
Site	21028 Hoffman Falls
Date	06/14/2023
Time	09:12 AM
Location	
Latitude	42.91505717
Longitude	-75.6760485
Datum	NAD83/2011
nvestigator(s)	RF MA AB JK
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	This stream is mapped as Callahan Brook, a class C protected NYSDEC stream. Surrounding land use is primarily scrub-shrub and emergent wetland, and forested upland. Moderate rain has occurred within the past 24 hours.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Beaver activity was observed during delineation and a floodplain wetland borders the stream in patches. Medium to heavy baseflow observed.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	×
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	Present
Undercut Bank Indicator Location	x
Valley Bottom	Present
Valley Bottom Indicator Location	a
Other break in slope	

Shelving

Channel bar	
nstream bedforms and other bedload transport evidence	
Secondary channels	Present
Secondary Channels ndicator Location	X
Sediment Indicators	
Soil development	
Changes in character of soil	Present
Changes in character of soil ndicator Location	X
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Gravel and cobble to loam.
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	Present
Exposed Roots Indicator Location	X
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	Present
Presence of Large Wood ndicator Location	х
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	

Other observed indicators?

No

Step 4: Additional Information

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

The OHWM occurs at the break in slope on the bank, this is where the transition in particle size occurs. The transition from absent vegetation to forbs, where exposed roots occur along the streambank, and at undercut banks also defines the OHWM.

Additional observations or notes

Photos

Photo log attached?

Yes





Upstream photograph.



Downstream photograph.

D	24020 Haffer on Falla Walland Dallandia
Project	21028 Hoffman Falls Wetland Delineation
D	357362
Survey Date	06/15/2023
User	Megan Aubertine
General Information	
Project ID #	10-ST007
Site	21028 Hoffman Falls
Date	06/15/2023
Time	08:53 AM
Location	
Latitude	42.91644167
Longitude	-75.67668717
Datum	NAD83/2011
nvestigator(s)	MA, AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Recent rain within 48 hours, moderate to low baseflow. Surrounding land use is primarily forested.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Flows from groundwater seep and is diverted under road through a culvert and into a PS wetland.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
nstream bedforms and other bedload transport	

Secondary channels

Soil development	
Changes in character of soil	Present
Changes in character of soil ndicator Location	x
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	deciduous trees
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
s additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for ocation of OHWM	The OHWM occurs at the break in slope, where stream substrate transitions from gravel and cobble to silt loam, and at the transition in vegetation. These indicators persist throughout the delineated stream.
Additional observations or notes	
Photos	
	Yes



Absent vegetation within stream channel and overgrown around surrounding bank.



Upstream photograph, with vegetation and stream substrate transition.

Declare	21020 Hoffman Follo Wetland Delination
Project	21028 Hoffman Falls Wetland Delineation
ID	357389
Survey Date	06/15/2023
User	Megan Aubertine
General Information	
Project ID #	10-ST008
Site	21028 Hoffman Falls
Date	06/15/2023
Time	12:07 PM
Location	
Latitude	42.916697
Longitude	-75.681522
Investigator(s)	MA, AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forested. Flows into NYS DEC mapped Class C stream.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream flows out of wetland down forested hill slope into other wetland. No base flow a time of delineation
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	

made with Wildnore

Sediment Indicators

Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	b
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope with vegetation absent to forbs along entirety of stream at the OHWM. Wracking and disturbed leaf litter present below the OHWM.
Additional observations or notes	
Photos	
Photo log attached?	Yes



Break in slope and change in vegetation



Change in vegetation

Project	21028 Hoffman Falls Wetland Delineation
ID	358297
Survey Date	06/16/2023
User	Rachael Foote
General Information	
Project ID #	10-ST009
Site	21028 Hoffman Falls
Date	06/16/2023
Time	01:23 PM
Location	
Latitude	42.90925
Longitude	-75.68434233
Datum	NAD83/2011
Investigator(s)	MA, AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream overlaps a NYSDEC mapped class C stream
Step 2: Site conditions during	field assessment
Describe Site Condition	Flows from upland forest into wetland. Recent rainfall within 24 hours
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	х
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	

Sediment Indicators

Changes in character of sail	
Changes in character of soil Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	n
s additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for ocation of OHWM	Break in slope with vegetation absent to forbs were consistent along the entirety of stream and were the main indicators used in determining the OHWM.
Additional observations or notes	
Photos	
Photo log attached?	Yes



Example of substrate



Change in vegetation



View of break in slope, change in vegetation and undercut bank.

Project	21028 Hoffman Falls Wetland Delineation
ID	365936
Survey Date	07/07/2023
User	Rachael Foote
General Information	
Project ID #	12-ST001
Site	21028 Hoffman Falls
Date	07/07/2023
Time	12:18 PM
Location	
Latitude	42.94306967
Longitude	-75.76076533
Datum	NAD83/2011
Investigator(s)	MERF
Step 1: Site overview from re	mote and online resources
Check boxes for online	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic
resources used to evaluate site	maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	The delineated stream corresponds with NYS DEC mapped C(T) stream and NWI riverine feature R5UBH. A PSS riparian buffer occurs between the stream and an agriculture field Moderate baseflow was observed during the delineation. No rain in past 24 hours.
Step 2: Site conditions during	g field assessment
Describe Site Condition	A gravel ford crossing created for an agriculture service road occurs within delineated reach of the stream.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	
Undercut Bank	Present
Undercut Bank Indicator Location	x
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	

Secondary channels Sediment Indicators Soil development Changes in character of soil Mudcracks Changes in particle-sized distribution **Vegetation Indicators** Change in vegetation type Present and/or density Vegetation Indicator X Location Vegetation Change From vegetation absent Vegetation Change To graminoids Vegetation matted down Present and/or bent: Matted/Bent Vegetation X Indicator Location Exposed roots below intact soil layer: **Ancillary Indicators** Wracking/presence of Present organic litter Wracking Indicator Location X Presence of large wood Leaf litter disturbed or Present washed away Leaf Litter Indicator Location x Water staining Weathered clasts or bedrock Other observed indicators? No Step 4: Additional Information Is additional information No needed to support this determination? Step 5: Rationale Describe rationale for The OHWM was defined by a break in slope and change in vegetation. These were the location of OHWM most persistent, permanent and prevalent indicators identified. Undercut banks, matted vegetation, and wracking aided in determining the OHWM. This stream flows through delineated wetland 12-W012. Additional observations or

notes

Photos

Photo log attached?

Yes



View across stream channel, note the vegetation beginning at the OHWM.



Undercut bank.



Stream flowing over road.

Project	21028 Hoffman Falls Wetland Delineation
D	356280
Survey Date	06/13/2023
User	Megan Aubertine
General Information	
Project ID #	12-ST002
Site	21028 Hoffman Falls
Date	06/13/2023
Time	09:52 AM
Location	
Latitude	42.91987233
Longitude	-75.67674467
Investigator(s)	MA, RF, AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	PFO wetland borders stream.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream flows out of wetland through valley.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	
Undercut Bank	Present
Undercut Bank Indicator Location	b
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport	

Secondary channels

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	b
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	b
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	1
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope with vegetation absent to forbs along entirety of stream define the OHWM. Sections of the bank were undercut below the OHWM. Wracking and disturbed leaf litter present below the OHWM.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



break in slope at OHWM visible



stream within wetland



vegetation absent to forbs clearly visible



example of substrate particle size

Project	21028 Hoffman Falls Wetland Delineation
ID	356284
Survey Date	06/13/2023
User	Megan Aubertine
General Information	
Project ID #	12-ST003
Site	21028 Hoffman Falls
Date	06/13/2023
Time	10:11 AM
Location	
Latitude	42.920277
Longitude	-75.676803
Investigator(s)	MA, AT, RF
Step 1: Site overview from re	emote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is bordered by upland forest.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream flows into PFO wetland. No man made disturbances occur within the delineated reach of stream.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	X
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
CVIUCITE	

Secondary channels

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Gravel and cobble to loam.
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	deciduous trees
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	b
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope on the bank with vegetation absent to deciduous trees along entirety of stream at the OHWM. Disturbed leaf litter present below the OHWM. Changes in particle size distribution occurs at the transition from stream bed to stream banks. This indicator coincides with the other indicators used to determine OHWM.
Additional observations or	
A STATE OF THE PARTY OF THE PAR	

Photo log attached?

Yes



break in slope



change in vegetation absent to forbs



channel



substraight



downstream

Project	21028 Hoffman Falls Wetland Delineation
ID	393335
Survey Date	10/05/2023
User	Rachel Nazak
General Information	
Project ID #	12-ST003A
Site	21028 Hoffman Falls
Date	06/13/2023
Time	09:30 AM
Location	
Latitude	42.919913
Longitude	-75.677059
Investigator(s)	RF
Step 1: Site overview from re	emote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream exists in a forested area that is bordered by agricultural fields.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Small stream that drains portions of wetland 12-W003 into stream 12-ST002.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	

Soil development

Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	i e
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	A break in slope and change in vegetation density from absent to forbs were two of the most consistent indicators of OHWM along the stream reach.
Additional observations or notes	
Photos	
Photo log attached?	No
Explain why not	

None

21028 Hoffman Falls - R	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
D	361873
Survey Date	06/16/2023
User	Megan Aubertine
General Information	
Project ID #	12-ST004
Site	21028 Hoffman Falls
Date	06/16/2023
Time	01:33 PM
Location	
Latitude	42.909565
Longitude	-75.68445217
Datum	NAD83/2011
Investigator(s)	RF
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Topography mapping indicates the presence of a stream channel
Step 2: Site conditions during	; field assessment
Describe Site Condition	Stream borders wetland and upland and dissipates into wetland.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	х
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	b
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	
Other Berms Description	

Channel bar

Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	Present
Exposed Roots Indicator Location	X
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	X
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	i e
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	This stream has several indicators present at the OHWM consistently throughout the reach of the stream, but the most consistent being break in slope and vegetation change.
Additional observations or notes	
Photos	



stream dissipating into wetland



stream substrate



headcut upstream



dense vegetation on bank



pool

Project	apid Ordinary High Water Mark (OHWM) 1.1 21028 Hoffman Falls Wetland Delineation
ID	361872
Survey Date	06/16/2023
User	Megan Aubertine
General Information	Webarr raser time
Project ID #	12-ST005
Site	21028 Hoffman Falls
Date	06/16/2023
Time	01:22 PM
Location	
Latitude	42.90963
Longitude	-75.68390183
Datum	NAD83/2011
Investigator(s)	RF
Step 1: Site overview from re	
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream at the edge of forest and agricultural field.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Intermittent stream drains wetland complex. Rain in the last 24 hours. Bordered by dens vegetation.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport	

evidence

Secondary channels Sediment Indicators Soil development Changes in character of soil Mudcracks Changes in particle-sized distribution **Vegetation Indicators** Change in vegetation type Present and/or density Vegetation Indicator X Location Vegetation Change From vegetation absent forbs Vegetation Change To Vegetation matted down and/or bent: Exposed roots below intact soil layer: **Ancillary Indicators** Wracking/presence of organic litter Presence of large wood Leaf litter disturbed or Present washed away Leaf Litter Indicator Location x Water staining Weathered clasts or bedrock Other observed indicators? No Step 4: Additional Information Is additional information No needed to support this determination? Step 5: Rationale Change in vegetation density from absent to forbs was one of the most consistent Describe rationale for

notes

Photos

Photos

location of OHWM

Photo log attached?

Additional observations or

disturbed leaf litter.

Yes

indicators of OHWM along the stream reach, in addition to both a break in slope and



stream surrounded by dense vegetation on bank



substrate

21028 Hoffman Falls - R	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	361874
Survey Date	06/16/2023
User	Megan Aubertine
General Information	
Project ID #	12-ST006
Site	21028 Hoffman Falls
Date	06/16/2023
Time	01:52 PM
Location	
Latitude	42.90965333
Longitude	-75.68391367
Datum	NAD83/2011
Investigator(s)	RF
Step 1: Site overview from re	emote and online resources
Check boxes for online	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic
resources used to evaluate site	maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream corresponds with a NYSDEC mapped class C stream, and topography mapping indicates the presence of a channel.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Rain in the last 24 hours. Stream draining wetland meets another stream. Bordered by wetland and upland.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
CONTRACTOR OF CO	
Instream bedforms and other bedload transport evidence	
other bedload transport	Present

Indicator Location

Sediment Indicators

Soil development

Changes in character of soil

Mudcracks

Changes in particle-sized

distribution

Vegetation Indicators

Change in vegetation type and/or density

Present

Vegetation Indicator

Location

X

Vegetation Change From

vegetation absent

Vegetation Change To

forbs

Vegetation matted down

and/or bent:

Exposed roots below intact

soil layer:

Ancillary Indicators

Wracking/presence of organic litter

Presence of large wood

Leaf litter disturbed or

Present

washed away

Leaf Litter Indicator Location x

Water staining

Weathered clasts or bedrock

Other observed indicators?

DOCTOR ITTATEMENT

Yes

Describe

Oxidized iron in stream

Step 4: Additional Information

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

Change in vegetation density from absent to forbs was one of the most consistent indicators of OHWM along the stream reach, in addition to both a break in slope and disturbed leaf litter.

Additional observations or notes

Photos

Photo log attached?

Yes



dense vegetation



view across channel



substrate

	apid Ordinary High Water Mark (OHWM) 1.1	
Project	21028 Hoffman Falls Wetland Delineation	
ID	362495	
Survey Date	06/27/2023	
User	Rachael Foote	
General Information		
Project ID #	12-ST007	
Site	21028 Hoffman Falls	
Date	06/27/2023	
Time	01:31 PM	
Location		
Latitude	42.90985517	
Longitude	-75.68328167	
Datum	NAD83/2011	
Investigator(s)	RFAT	
Step 1: Site overview from re	mote and online resources	
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps	
Other	Natural Resource Mapper	
Describe land use and flow conditions from online resources.	Stream corresponds to NYSDEC mapped class C stream.	
Step 2: Site conditions during	g field assessment	
Describe Site Condition	Rain in the last 24 hours, drains wetland system. Newly constructed, man-made pond within stream. Two streams converge to form 12-ST007	
Step 3 Indicators		
Geomorphic Indicators		
Break in slope	Present	
Break in Slope Indicator Location	x	
On the bank		
Undercut Bank		
Valley Bottom		
Other break in slope description		
Shelving		
Channel bar	Present	
Channel Bar Indicator Location	X	

Shelving (berms) on bar

Unvegetated

Vegetation transition (go to veg. indicators) Sediment transition (go to sed. indicators) Upper limit of deposition on bar: Instream bedforms and other bedload transport evidence Secondary channels Present Secondary Channels X Indicator Location Sediment Indicators Soil development Changes in character of soil Mudcracks Changes in particle-sized distribution **Vegetation Indicators** Change in vegetation type Present and/or density Vegetation Indicator X Location Vegetation Change From vegetation absent forbs Vegetation Change To Vegetation matted down and/or bent: Exposed roots below intact soil layer: **Ancillary Indicators** Wracking/presence of organic litter Presence of large wood Leaf litter disturbed or washed away Water staining Weathered clasts or bedrock Other observed indicators? No Step 4: Additional Information Is additional information No needed to support this determination? Step 5: Rationale

Additional observations or notes

Photos

Photo log attached?

Yes



stream flows into newly constructed ponds



drainage in pond



pond



culvert draining pond back to natural stream channel



disturbed area



streambed/substrate



secondary channel



disturbed area



stream channel

	apid Ordinary High Water Mark (OHWM) 1.1		
Project	21028 Hoffman Falls Wetland Delineation		
ID	364981		
Survey Date	07/05/2023		
User	Rachael Foote		
General Information			
Project ID #	12-ST009		
Site	21028 Hoffman Falls		
Date	07/05/2023		
Time	02:15 PM		
Location			
Latitude	42.90106267		
Longitude	-75.65658633		
Datum	NAD83/2011		
Investigator(s)	RF, AT		
Step 1: Site overview from re	mote and online resources		
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps		
Other	Natural Resource Mapper		
Describe land use and flow conditions from online resources.	Corresponds with NYS DEC mapped C class stream NWI mapped riverine feature R5UBH. Stream is bordered by agriculture fields. No rain in last 48 hours.		
Step 2: Site conditions during	g field assessment		
Describe Site Condition	Stream drains wetland, adjacent to active agricultural field. No disturbances affecting flow within the delineated reach of stream. Delineated wetland 12-W011 outlets into this stream.		
Step 3 Indicators			
Geomorphic Indicators			
Break in slope	Present		
Break in Slope Indicator Location	x		
On the bank			
Undercut Bank			
Valley Bottom	Present		
Valley Bottom Indicator Location	x		
Other break in slope description			
Shelving			
Channel bar			
Instream bedforms and			

other bedload transport

evidence			
Secondary channels			
Sediment Indicators			
Soil development			
Changes in character of soil			
Mudcracks			
Changes in particle-sized distribution			
Vegetation Indicators			
Change in vegetation type and/or density	Present		
Vegetation Indicator Location	Х		
Vegetation Change From	vegetation absent		
Vegetation Change To	forbs		
Vegetation matted down and/or bent:	Present		
Matted/Bent Vegetation Indicator Location	X		
Exposed roots below intact soil layer:	Present		
Exposed Roots Indicator Location	Х		
Ancillary Indicators			
Wracking/presence of organic litter	Present		
Wracking Indicator Location	X		
Presence of large wood			
Leaf litter disturbed or washed away	Present		
Leaf Litter Indicator Location	X		
Water staining			
Weathered clasts or bedrock			
Other observed indicators?	No		
Step 4: Additional Information			
le additional information	NIE		

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

The OHWM is defined by the break in slope and a vegetative transition from absent to forbs, wracking and bent vegetation. These indicators were persistent throughout the delineated reach of stream.

Additional observations or

Photo log attached?

Yes



substrate



secondary channel visible through shrubs



change in vegetation density



exposed roots visible below intact soil layer upstream

Project	21028 Hoffman Falls Wetland Delineation
ID	365931
Survey Date	07/07/2023
Jser	Rachael Foote
General Information	
Project ID #	12-ST012
Site	21028 Hoffman Falls
Date	07/07/2023
<u> Fime</u>	10:43 AM
ocation	
Latitude	42.95553667
Longitude	-75.7370485
Datum	NAD83/2011
nvestigator(s)	ME RF
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	The surrounding land use is primarily forested uplands and wetlands. No rain has occurred within the previous 24 hours. Low baseflow was observed during the delineation.
Step 2: Site conditions during	g field assessment
Describe Site Condition	No observations of man-made or natural disturbances were made within the delineated reach of this stream.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	
Jndercut Bank	
/alley Bottom	
Other break in slope description	
Shelving	
Channel bar	Present
Channel Bar Indicator Location	x
Shelving (berms) on bar	

Unvegetated

Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	Present
Presence of Large Wood Indicator Location	X
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	n
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	A break in slope and channel bars were two of the most consistent indicators of OHWM along the stream reach. Large wood was also noted as being present at the location of the OHWM.
Additional observations or notes	This stream runs through and diffuses into delineated wetland 12-W013.

Yes



Break in slope and large wood.



Break in slope present.



More photos of large wood.

Project	21028 Hoffman Falls Wetland Delineation		
ID	366409		
Survey Date	07/10/2023		
User	Rachael Foote		
General Information	Nachael Foote		
Project ID #	12-ST014		
Site	21028 Hoffman Falls		
Date	07/10/2023		
Time	01:52 PM		
Location	OTISET W		
Latitude	42.93487733		
Longitude	-75.728111		
Datum	NAD83/2011		
Investigator(s)	RF, AT		
Step 1: Site overview from re			
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps		
Other	Natural Resource Mapper		
Describe land use and flow conditions from online resources.	No state or federal stream mapped; however, based on contour, a channel is present. Agriculture fields occur adjacent to stream.		
Step 2: Site conditions during	field assessment		
Describe Site Condition	Rain during the time of the survey. Narrow ravine in between two active agricultural field		
Step 3 Indicators			
Geomorphic Indicators			
Break in slope	Present		
Break in Slope Indicator Location	X		
On the bank			
Undercut Bank			
Valley Bottom			
Other break in slope description			
Shelving			
Channel bar			
Instream bedforms and other bedload transport evidence			

Sediment Indicators

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SA S S S	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	1
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope with vegetation absent to forbs along entirety of stream at the OHWM.
Additional observations or notes	
Photos	

Photo log attached?

Photos

Yes



dense vegetation near stream channel



view across stream channel



vegetation obstructing the view of stream channel

Project	21028 Hoffman Falls Wetland Delineation
ID	370069
Survey Date	07/19/2023
User	Rachael Foote
General Information	
Project ID #	12-ST015
Site	21028 Hoffman Falls
Date	07/19/2023
Time	01:33 PM
Location	
Latitude	42.93936967
Longitude	-75.767666
Datum	NAD83/2011
Investigator(s)	RF RN
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Primary land use is active pastureland. Rainfall occurred within previous 24 hours. Moderate baseflow was observed during the delineation. This feature corresponds with NYS DEC mapped C(T) stream. This stream is bordered by NWI mapped wetland PSS1/EM1Eb.
Step 2: Site conditions during	g field assessment
Describe Site Condition	A gravel ford crossing for a service road occurs within the streambed.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	Present
On the bank Indicator Location	X
Undercut Bank	Present
Undercut Bank Indicator Location	X
Valley Bottom	Present
Valley Bottom Indicator Location	b
Other break in slope description	

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Channel bar	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	x
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	Present
Bedforms Indicator Location	x
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	х
transition from	Gravel and cobble to loam.
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	X

Presence of large wood

Leaf litter disturbed or	
washed away	

Present

Leaf Litter Indicator Location x

Water staining

Present

Water Staining Indicator

Location

X

Weathered clasts or bedrock Present

Weathered clasts or bedrock x

Indicator Location

Other observed indicators?

No

Step 4: Additional Information

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

The OWHM was determined by the changes in particle size distribution. This change coincides with the break in slope on the stream bank and a transition in vegetation. These indicators were the most consistent throughout the entire reach of the delineated stream.

Additional observations or notes

Photos

Photo log attached?

Yes



Upstream photograph, with break in slope and vegetation transition present.



Downstream photograph, with stream substrate present. Some wracking of woody material visible further downstream.



Stream substrate photograph. Leaf litter has been washed away in this photograph.

Project	apid Ordinary High Water Mark (OHWM) 1.1 21028 Hoffman Falls Wetland Delineation
ID	367096
Survey Date	07/12/2023
User	Rachael Foote
General Information	TAGE TO SEC
Project ID #	12-ST015A
Site	21028 Hoffman Falls
Date	07/12/2023
Time	09:28 AM
Location	
Latitude	42.92389467
Longitude	-75.681049
Datum	NAD83/2011
Investigator(s)	RF AT BA
Step 1: Site overview from re Check boxes for online	
resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Successional scrubland buffers stream before transitioning to agriculture field.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Rain in the last 24 hours. Drains overland flow from upland agriculture/pasture. Drains into PSS wetland complex.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	Present
Undercut Bank Indicator Location	x
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport	

evidence

Secondary channels

Sediment Indicators

Soil development

Changes in character of soil

Mudcracks

Changes in particle-sized distribution

Vegetation Indicators

Change in vegetation type and/or density

Present

Vegetation Indicator Location

X

Vegetation Change From

forbs

Vegetation Change To

woody shrubs

Vegetation matted down and/or bent:

Exposed roots below intact soil layer:

Ancillary Indicators

Wracking/presence of organic litter

Presence of large wood

Leaf litter disturbed or washed away

Present

Leaf Litter Indicator Location x

Water staining

Weathered clasts or bedrock Present

Weathered clasts or bedrock x Indicator Location

Other observed indicators? No

Step 4: Additional Information

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

Break in slope with an undercut bank and change in vegetation from forbs to woody shrubs, along entirety of stream at the OHWM. Disturbed leaf litter and weathered bedrock aided in the determination of the OHWM.

Additional observations or notes

Photos

Photo log attached?

No

Explain why not

Please attach photos from photopoints



stream flowing with forbes in streambed



stream flowing with forbes in streambed



looking across channel

Project	21028 Hoffman Falls Wetland Delineation
ID	378740
Survey Date	08/11/2023
User	Rachael Foote
General Information	Rachael Foote
Project ID #	12-ST016
Site	21028 Hoffman Falls
Date	08/11/2023
Time	11:48 AM
Location	_ 1 V 0 V 0 V V
Latitude	42.937095
Longitude	-75.730948
Investigator(s)	RF AT
Step 1: Site overview from re	mote and online resources
Check boxes for online	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic
resources used to evaluate site	maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Deciduous forest borders stream. Rain and moderate baseflow was present during the delineation.
Step 2: Site conditions during	g field assessment
Describe Site Condition	
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	Present
On the bank Indicator Location	X
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	X
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	

Other Berms Description

Page 69 of 289

Channel bar	Present
Channel Bar Indicator Location	X
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	b
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	X
Secondary channels	Present
Secondary Channels Indicator Location	X
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	х
Vegetation Change From	vegetation absent
Vegetation Change To	moss
Vegetation matted down and/or bent:	
Exposed roots below intact	

soil layer:

Ancillary Indicators

Wracking/presence of organic litter

Present

Wracking Indicator Location

Presence of large wood

Leaf litter disturbed or washed away

Present

Leaf Litter Indicator Location x

Water staining

Present

Water Staining Indicator Location

X

Weathered clasts or bedrock

Other observed indicators?

No

Step 4: Additional Information

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

The OHWM was determined to occur at the break in slope, where wracking of leaf litter has occurred, where vegetation transitions from absent to moss, and where erosional bedload indicators are present. These indicators were persistent throughout the entire reach of the delineated stream.

Additional observations or notes

Photos

Photo log attached?

Yes



Downstream photograph of delineated stream where break in slope, vegetation transition, and erosional bedload indicators occur at the OHWM.



Stream substrate photo, facing upstream, with erosional bedload indicators present.

Project	21028 Hoffman Falls Wetland Delineation
D	378708
Survey Date	08/09/2023
Jser	Rachael Foote
General Information	
Project ID #	12-ST016A
Site	21028 Hoffman Falls
Date	08/09/2023
<u> </u>	02:48 PM
ocation	
Latitude	42.938494
Longitude	-75.765017
Datum	NAD83/2011
nvestigator(s)	RFAT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographi maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Adjacent land use is active pastureland. Rain in the last 24 hours. No baseflow observed during the delineation.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream flows through active pasture.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	Present
On the bank Indicator Location	x
Jndercut Bank	
/alley Bottom	
Other break in slope description	
Shelving	
Channel bar	
nstream bedforms and other bedload transport	

Secondary channels

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	graminoids
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	Present
Water Staining Indicator Location	X
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
ls additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The OHWM was determined by a continuous break in slope on the bank and transition in vegetation, which persisted throughout the entire reach of the delineated stream. Observations of water staining and washed-out leaf litter aided in this determination, but did not persist throughout the reach of this stream.
Additional observations or notes	This feature abruptly terminates.
Photos	
Photo log attached?	Yes
Photos	





Downstream photograph, with break in slope and stream channel visible.

21020 Homman Talls To	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	378738
Survey Date	08/11/2023
User	Rachael Foote
General Information	
Project ID #	12-ST018
Site	21028 Hoffman Falls
Date	08/11/2023
Time	11:48 AM
Location	
Latitude	42.93705583
Longitude	-75.73092517
Datum	NAD83/2011
Investigator(s)	RFAT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Forested and agricultural land are the adjacent land uses. This stream corresponds with a NYS DEC mapped C(T) stream and NWI riverine feature R5UBH.
Step 2: Site conditions during	g field assessment
Describe Site Condition	No observations of man-made or natural disturbances were present at the time of the delineation. Low baseflow present during the delineation and rainfall present during the delineation. Various fringe wetlands occur along stream banks.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	х
On the bank	Present
On the bank Indicator Location	х
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	x
Shelf at top of bank	

Natural Levee

Other Berms Description	
Channel bar	Present
Channel Bar Indicator Location	х
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	X
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	x
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	x
Secondary channels	Present
Secondary Channels ndicator Location	x
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	moss

Vegetation matted down and/or bent: Exposed roots below intact soil layer: **Ancillary Indicators** Wracking/presence of Present organic litter Wracking Indicator Location X Presence of large wood Leaf litter disturbed or Present washed away Leaf Litter Indicator Location x Water staining Present Water Staining Indicator X Location Weathered clasts or bedrock Other observed indicators? No Step 4: Additional Information Is additional information No needed to support this determination? Step 5: Rationale OHWM was determined to occur at the break on the bank and at the transition in Describe rationale for location of OHWM vegetation. These indicators were persistent throughout the stream. Other indicators such as channel bars, instream bedforms, erosional and depositional bedload indicators, secondary channels indicate the OHWM but their occurrences were sporadic.

Additional observations or notes

Photos
Photo log attached?

Yes

Photos

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Downstream photograph with defined break in slope and stream substrate transition.



Stream substrate photo with low baseflow.



Upstream photograph with defined vegetation transition and stream substrate transition. Instream bedforms present within this reach. Scouring and erosion of substrate is additionally present.

Project	21028 Hoffman Falls Wetland Delineation
D	365443
Survey Date	07/06/2023
Jser	Rachael Foote
General Information	
Project ID #	12-ST020
Site	21028 Hoffman Falls
Date	07/06/2023
Time	09:05 AM
Location	
Latitude	42.90206983
Longitude	-75.66228917
Datum	NAD83/2011
nvestigator(s)	RF AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Deciduous forest borders stream.
Step 2: Site conditions during	field assessment
Describe Site Condition	No rain in the last 24 hours. Converges with 12-ST011
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Jndercut Bank	
/alley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	X
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	
Hall Hidde Belling of Ecrees	

Channel bar

nstream bedforms and	
other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	forbs
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	n en
s additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The OHWM is defined by the break in slope and change in vegetation. Other indicators such as wracking, shelving, and disturbed leaf litter also occur at the OHWM help support this determination.
Additional observations or notes	



upstream



substrate of stream



undercut bank

21028 Hoffman Falls - R	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	367101
Survey Date	07/12/2023
User	Rachael Foote
General Information	
Project ID #	12-ST021
Site	21028 Hoffman Falls
Date	07/12/2023
Time	01:08 PM
Location	
Latitude	42.92308333
Longitude	-75.68191133
Datum	NAD83/2011
Investigator(s)	BA RF AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
site	
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	The surrounding land use is primarily forested. Very low baseflow observed during the delineation. Rainfall has occurred within the last 24 hours.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Stream drains overland sheet flow from surrounding upland areas. No observations of man-made or natural disturbances were present during the delineation.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	х
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Cacandanichannala	Present
Secondary channels	Tesent

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
ls additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The OHWM was determined by a break in slope and transition in vegetation. Additional indicators including secondary channels and disturbed leaf litter aided in the determination of the OHWM. These indicators were consistent throughout the entire reach of the delineated stream.
Additional observations or notes	This stream terminates abruptly and does not share a hydrologic connection with any other features.
Photos	
Photo log attached?	Yes



Stream substrate with vegetation transition present.



Break in slope present within the delineated stream.



Upstream photograph, with break in slope present.

21028 Hoffman Falls - R	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	401515
Survey Date	10/31/2023
User	Rachael Foote
General Information	
Project ID #	12-ST022
Site	21028 Hoffman Falls
Date	10/30/2023
Time	09:47 AM
Location	
Latitude	42.943541
Longitude	-75.761205
Investigator(s)	RF AT
Step 1: Site overview from re	emote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Land use maps, geologic maps, satellite imagery, LiDAR, and topographic maps used to determine approximate location of stream within study area. Environmental resource mapper was used to determine stream class as well as assumed stream order based on relationships with mapped NYSDEC stream and NWI riverine areas. Climate data used to determine flow regime in relation to storm events.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Ephemeral stream/ditch likely conveys storm water. Water flowing in stream at time of delineation. Persistent rain in the last 24 hours.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	

made with Wildnote

Secondary channels

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	X
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	Х
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	ı
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM determined by the presence of a break in slope that corresponds with a change in vegetation and disturbed leaf litter.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	
3 6 3 3	



Upstream view - break in slope

2102011011111011110115 10	apid Ordinary High Water Mark (OHWM) 1.1
Project	21028 Hoffman Falls Wetland Delineation
ID	401509
Survey Date	10/31/2023
User	Rachael Foote
General Information	
Project ID #	12-ST023
Site	21028 Hoffman Falls
Date	10/30/2023
Time	10:30 AM
Location	
Latitude	42.9433446
Longitude	-75.7611384
Investigator(s)	RF AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	This stream corresponds with NYSDEC mapped C(T) class stream. The banks are brodered by successional scrub shrub.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Perennial stream (Chittenango Creek) flows through residential and agricultural areas and enter study area through culvert under Wyss Road. Persistent rain in the last 12 hours.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	X
On the bank	Present
On the bank Indicator Location	X
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	X
Shelf at top of bank	Present
Shelf at top of bank Indicator Location	· x

Natural Levee

Step 4: Additional Information

Is additional information needed to support this determination?

VO

Step 5: Rationale

Describe rationale for location of OHWM

OHWM determined by a break in slope the corresponds with a natural line impressed on the bank, a shelf at the top of bank, and change in vegetation type and/or density. A change in particle size distribution from silt to cobble, matted vegetation, and leaf litter washed away at the OHWM.

Additional observations or notes

Photos

Photo log attached?



Break in slope, shelf at time of bank, leaf litter washed away



Wracking, change in vegetation, vegetation bent



Natural line on the bank



Wracking

21028 Hoffman Falls - Rapid Ordinary High Water Mark (OHWM) 1.1

Project 21028 Hoffman Falls Wetland Delineation

ID 406640
Survey Date 11/16/2023
User Rachael Foote

General Information

Project ID # 12-ST024

Site 21028 Hoffman Falls

Date 11/16/2023 Time 10:55 AM

Location

Latitude 42.94239017
Longitude -75.71306667
Datum NAD83/2011
Investigator(s) RF AT

Step 1: Site overview from remote and online resources

Check boxes for online resources used to evaluate site

LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic

maps

Other Environmental resource

Describe land use and flow conditions from online resources.

Land use maps, geologic maps, satellite imagery, LiDAR, and topographic maps used to determine approximate location of stream within study area. Environmental resource mapper was used to determine stream class as well as assumed stream order based on relationships with mapped NYSDEC stream and NWI riverine areas. Climate data used to determine flow regime in relation to storm events.

Step 2: Site conditions during field assessment

Describe Site Condition

Perennial trout stream through active agriculture. Gentle gradient. Includes minor man made berm adjacent to agricultural field. Debris has been pushed into stream from agriculture practices. This stream flows south through active agriculture field. This stream corresponds with a NYS DEC mapped C(T) class stream.

Step 3 Indicators

Geomorphic Indicators

Break in slope Present

Break in Slope Indicator

Location

Χ

On the bank

Undercut Bank

Valley Bottom Present

Valley Bottom Indicator

Location

X

Other break in slope

description

Shelving Present

Shelving Indicator Location	3
Shelving Indicator Location Shelf at top of bank	a Present
Shelf at top of bank Indicator	
Location	
Natural Levee	
Man-made Berms or Levees	Present
Man-made berms or levees Indicator Location	X
Other Berms Description	Man made berm adjacent to agricultural field
Channel bar	Present
Channel Bar Indicator Location	X
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	X
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x

Vegetation Change From

vegetation absent

Vegetation Change To woody shrubs Vegetation matted down Present and/or bent: Matted/Bent Vegetation Χ Indicator Location Exposed roots below intact soil layer: **Ancillary Indicators** Wracking/presence of Present organic litter Wracking Indicator Location Presence of large wood Leaf litter disturbed or Present washed away Leaf Litter Indicator Location x Water staining Weathered clasts or bedrock Other observed indicators? No Step 4: Additional Information Is additional information No needed to support this determination? Step 5: Rationale Describe rationale for The OHWM was determined primarily based on the strong presence pf a break in slope, location of OHWM shelving, a change in vegetation type/density, and disturbed leaf litter. The stream was observed within a valley bottom and one bank was influenced by a man-made berm. Channel bars, instream bedforms, depositional bedload indicators, matted vegetation, and wracking were observed within the OHWM. The stream channel and banks are void of vegetation and transition to woody shrubs at the shelf at the top of the bank. These indicators were persistent throughout the delineated reach of stream. Additional observations or notes **Photos**

Photo log attached?

Yes



Debris from agriculture practices.



Stream substrate.



Break in slope, Transition in vegetation.



Upstream view, Shelf at top of bank.



Downstream view.



Break in slope.

The second secon	apid Ordinary High Water Mark (OHWM) 1.1 21028 Hoffman Falls Wetland Delineation
Project	The state of the s
ID Surana Baha	365085
Survey Date	07/05/2023
User	Rachel Nazak
General Information	
Project ID #	23-ST001A
Site	21028 Hoffman Falls
Date	07/05/2023
Time	12:09 PM
Location	
Latitude	42.9254236
Longitude	-75.69309552
Datum	WGS84
Investigator(s)	RF RN AT
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	This stream corresponds with NYSDEC mapped C class stream and NWI mapped rivering feature R5UBH.
Step 2: Site conditions during	field assessment
Describe Site Condition	No rain in the last 24 hours. No disturbances occur within the delineated reach of stream that would affect flow. A forested riparian buffer occurs between stream and agriculture field.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	Present
Valley Bottom Indicator Location	x
Other break in slope description	
Shelving	

Instream bedforms and other bedload transport

evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
∕egetation Indicator Location	x
egetation Change From	vegetation absent
egetation Change To	forbs
/egetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Vracking/presence of organic litter	
Presence of large wood	
eaf litter disturbed or vashed away	Present
eaf Litter Indicator Location	x
Vater staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	6
s additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for ocation of OHWM	The OHWM was determined using break in slope, valley bottom and transition in vegetation. These were the most permanent, persistent, and prevalent indicators identified. Leaf litter has been washed away coincides with the other indicators observed at the OHWM.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	100

Hammey Co.







upstream

Project	21028 Hoffman Falls Wetland Delineation
ID	366261
Survey Date	07/07/2023
User	Bennett Amberger
General Information	
Project ID #	23-ST002A
Site	21028 Hoffman Falls
Date	07/07/2023
Time	09;22 AM
Location	
Latitude	42.93918367
Longitude	-75.72661267
Datum	NAD83/2011
Investigator(s)	RN, RS
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream corresponds to a mapped DEC class C(T) stream. NWI mapped feature PSS1/ EM1Bd borders stream
Step 2: Site conditions during	field assessment
Describe Site Condition	Wetland drainage channelizes into stream. No disturbances occur affecting flow.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	х
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	X
Shelf at top of bank	

Natural Levee

Man-made Berms or Levees

Channel bar	
Instream bedforms and	
other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	i)
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope on the bank and transition in vegetation from absent to forbs were consistent along the streams reach. These indicators were used to define the OHWM.
Additional observations or notes	
Photos	
Photo log attached?	Yes



Upstream



View of stream substrate



View across stream channel



Downstream

Project	21028 Hoffman Falls Wetland Delineation
ID	366262
Survey Date	07/07/2023
User	Bennett Amberger
General Information	
Project ID #	23-ST003A
Site	21028 Hoffman Falls
Date	07/07/2023
Time	09:44 AM
Location	
Latitude	42.939195
Longitude	-75.72662617
Datum	NAD83/2011
Investigator(s)	RN, RS
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	DEC mapped class C(T) stream. NWI mapped feature PSS1/EM1Bd borders stream.
Step 2: Site conditions during	g field assessment
Describe Site Condition	Overflow from beaver dam. Rain previous night
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	x
Shelf at top of bank	

Natural Levee

Man-made Berms or Levees

Other Berms Description	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM was determined using break in slope on the bank and and transition in vegetation from absent to forbs were present throughout the delineated reach of stream.
Additional observations or notes	
Photos	
100000000000000000000000000000000000000	Yes



Upstream and substrate



substrate



example of vegetation density on stream bank



Downstream shelving

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Project	21028 Hoffman Falls Wetland Delineation
ID	366263
Survey Date	07/07/2023
User	Bennett Amberger
General Information	
Project ID #	23-ST004A
Site	21028 Hoffman Falls
Date	07/07/2023
Time	10:43 AM
Location	
Latitude	42.938146
Longitude	-75.72547033
Datum	NAD83/2011
Investigator(s)	RN RS
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream corresponds to NYSDEC mapped class C(T) stream flowing through NWI mapped wetland. Rain occurred within previous 24 hours. Strong baseflow was observed during the delineation. Surrounding land use is primarily forested upland and wetland.
Step 2: Site conditions during	r field assessment
Describe Site Condition	No evidence of man-made or natural disturbances were observed within the delineated stream.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	

Other Berms Description

Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Clay to gravel
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	b
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The indicators most consistent throughout the stream reach, which were used to determine the OHWM, were a break in slope and change in particle size distribution. Wracking was also noted as present below the OHWM.

Photo log attached?

Yes



Particle size change.



Upstream photograph.



Downstream, undercut bank, and shelving.



Stream substrate.



Transition to vegetation occurs above the OHWM.

Project	21028 Hoffman Falls Wetland Delineation	
ID	366264	
Survey Date	07/07/2023	
User	Bennett Amberger	
General Information		
Project ID #	23-ST005	
Site	21028 Hoffman Falls	
Date	07/07/2023	
Time	11:18 AM	
Location		
Latitude	42.93850983	
Longitude	-75.72626583	
Datum	NAD83/2011	
Investigator(s)	RN RS	
Step 1: Site overview from re	mote and online resources	
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps	
Other	Natural Resource Mapper	
Describe land use and flow conditions from online resources.		
Step 2: Site conditions during	g field assessment	
Describe Site Condition	No evidence of man-made or natural disturbances were observed during the delineation	
Step 3 Indicators		
Geomorphic Indicators		
Break in slope	Present	
Break in Slope Indicator Location	x	
On the bank		
Undercut Bank		
Valley Bottom		
Other break in slope description		
Shelving	Present	
Shelving Indicator Location	x	
Shelf at top of bank		
Natural Levee		

Other Berms Description

Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	Present
Changes in character of soil Indicator Location	x
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	A change in absent vegetation to forbs was one of the most consistent indicators of OHWM along the stream reach, in addition to both a break in slope and wracking of organic matter.

Photo log attached?

Yes



Abrupt break in slope.



Shelving present, facing downstream.



Wracking present.



Upstream facing photograph.



Stream substrate.

Project	21028 Hoffman Falls Wetland Delineation
ID	391294
Survey Date	09/29/2023
User	Andrew Leonardi
General Information	
Project ID #	26-ST002
Site	21028 Hoffman Falls
Date	06/29/2023
Time	05:01 PM
Location	
Latitude	42.948404
Longitude	-75.745799
Investigator(s)	AL ME
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Surrounding land is upland forest.
Step 2: Site conditions during	g fleld assessment
Describe Site Condition	Stream is a ravine with steep sloped banks. Stream is fed by wetland 26-W007 from the north until it converges with stream 66-ST002 to the south. No apparent man-made

impact at the time of survey. No abnormal flow conditions during time of survey.

Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	

Additional observations or notes	
Describe rationale for location of OHWM	Break in slope and change in particle size distribution were found at the streams OHWM Change in vegetation type and density was also present, but was not as strong of an indicator for this stream.
Step 5: Rationale	
ls additional information needed to support this determination?	No
Step 4: Additional Information	
Other observed indicators?	No
Weathered clasts or bedrock	
Water staining	
Leaf litter disturbed or washed away	
Presence of large wood	
Wracking/presence of organic litter	
Ancillary Indicators	
Exposed roots below intact soil layer:	
Vegetation matted down and/or bent:	
Vegetation Change To	deciduous trees
Vegetation Change From	vegetation absent
Vegetation Indicator Location	x
Change in vegetation type and/or density	Present
Vegetation Indicators	
Silt deposits	
Upper limit of sand-sized particles	
transition from	Cobbles to silt
Changes in particle-sized distribution Indicator Location	X
Changes in particle-sized distribution	Present
Mudcracks	

Photo log attached?	No	
Explain why not	Photos were lost during data upload issues.	
Photos	None	

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Desirat	24 020 Hoffman Follo Method Delinastics
Project	21028 Hoffman Falls Wetland Delineation
ID	381825
Survey Date	06/27/2023
User	Josh Bean
General Information	
Project ID #	26-ST003
Site	21028 Hoffman Falls (26-ST003)
Date	06/27/2023
Time	01:12 PM
Location	
Latitude	42.92542217
Longitude	-75.70110633
Datum	NAD83/2011
Investigator(s)	ALME
Step 1: Site overview from re	mote and online resources
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	The surrounding land use is primarily forested and agricultural. This stream is a NYSDEC mapped C class stream bordered by NWI mapped wetland PSS1E.
Step 2: Site conditions during	field assessment
Describe Site Condition	This stream crosses a farm road via culvert. Moderate to low baseflow was observed during the delineation.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	Present
Channel Bar Indicator	x
Location	

Unvegetated

Vegetation transition (go to veg. indicators)	Present
Vegetation Transition Indicator Location	b
Sediment transition (go to sed. indicators)	Present
Sediment Transition Indicator Location	x
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	
Secondary channels	Present
Secondary Channels Indicator Location	x
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator	b
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this	No

determination?

Step 5: Rationale

Describe rationale for location of OHWM

The OHWM was defined by the break in slope, developed channel bars, and sediment transition. These indicators were consistent throughout the entire reach of the delineated stream.

Additional observations or notes

Photos

Photo log attached?

Yes



Upstream photograph, with OHWM occurring at the break in slope.



Downstream photograph, with cobble channel bar present and transition from cobble and gravel substrate to silt.